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November 30, 2011

Michael B. Smith Site Manager
Vermont Waste Management Division, Sites Management Section
103 South Main Street,
Waterbury, Vermont 05671-0404

Subject: **Report of Site Investigation - Vermont Composites**
25 Performance Drive, Bennington, Vermont
VT SMS Site #2011-4213
Latitude: -73.194866 degrees Longitude 42.894540 degrees

Dear Mr. Smith:

We are pleased to present the attached investigation report for the above-referenced project. An electronic version is being up-loaded to the VT WMD FTP Site. The report discusses the investigation and petroleum impacted soils remediation conducted at the Vermont Composites facility this autumn. It includes a recommendation for Site Management Activity Completed (SMAC) status, pending lodging of a notice to the land records and closing of the monitoring wells.

A Well Abandonment Workplan is included as Attachment 7 to the report. Please note that Vermont Composites was purchased by Kaman Corporation on November 4, 2011. Additional excavation is planned December 8th in the two areas still containing PAHs that are above residential screening levels, however below industrial screening levels. The result of those excavations and subsequent additional confirmation sampling will be provided to VT SMS in a separate report, which will also include a draft notice to the land records for VT SMS review and comment.

We hope to have your permission to properly abandon the monitoring wells prior to the scheduled date for abandonment of December 16th.

Thank you for your previous help in developing the work plan in this time-critical effort.

Sincerely yours,

THE JOHNSON COMPANY, INC.

By: Don Maynard

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Enclosure

CC: Patrick Wheeler, Vermont Composites, 25 Performance Drive, Bennington, VT 05201
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Report of Site Investigation
Vermont Composites
25 Performance Drive
Bennington,Vermont

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ENVIRONMENTAL SCIENCE AND ENGINEERING SOLUTIONS

PARTNERS FOR SMART THINKING AND CREATIVE STRATEGIES

EXECUTIVE SUMMARY

Vermont Composites is located at 25 Performance Drive in Bennington, Vermont (the Site). Two environmental conditions of concern were identified during a Phase II Environmental Site Assessment performed by ERM in August, 2011. The conditions included concentrations of polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs) in on-site soils. Notifications of these conditions were reported to the Vermont Department of Environmental Conservation Spills Section, in an August 30, 2011 letter. A copy of the letter was provided to Ms. Kim Tisa, Regional PCB Coordinator for Region I, Environmental Protection Agency (EPA). The Vermont Sites Management Section (VT SMS), assigned the property a hazardous waste site number; VT SMS #2011-4213. The Johnson Company, Inc. of Montpelier, Vermont was retained as an environmental consultant for Vermont Composites. A phone call was held with Michael Smith, Site Manager for VT SMS, on September 28th, 2011. Two additional environmental conditions of concern; the presence of 1,4 dioxane, and arsenic in on-site soils, were discussed during the call. Also discussed were proposed investigation techniques and details, which were confirmed in writing in subsequent e-mails. Expressway notification for the PAH contaminated soils was provided to VT SMS on September 29th.

Available environmental data for the Site include: the ERM Phase II data, subsequent additional data collected by ERM in accordance with the proposed investigation details provided to VT SMS, and data collected during remediation of petroleum and PAH impacted soils, including confirmation tests. A summary of the environmental conditions is provided below.

77.3 parts per billion (ppb) Aroclor 1254 (a PCB) were reported in the surface sample SB-16 located near a transformer pad. This concentration is below the most conservative (lowest) applicable Vermont Department of Health (VT DOH) soil screening value (120 ppb total PCBs) and the EPA Regional Screening Level (RSL) of 220 ppb for residential exposure. Eight additional soil samples were collected in the vicinity of SB-16 and the transformer pad. No PCBs were detected in these additional samples. No further action and no further testing for PCBs is proposed.

PAHs were reported in soils associated with the fill pipe of a #2 fuel oil above ground storage tank (AST) in soil borings SB-05 and SB-07 at depths of 0-1 feet. The fuel oil is used for heating the building. The AST is in a cast-in-place concrete secondary containment structure. Elevated PAHs in samples from 0-1 fbgs in borings SB-05 and SB-07 samples appear to be related to historic releases incidental to filling of the tank. A deeper sample from 2-3 fbgs at SB-07 did not contain detectable PAHs. The area potentially impacted by the releases is bounded on

four sides by the AST secondary containment structure, a building with a concrete slab-on-grade foundation, a concrete pad holding propane tanks, and an asphalt parking lot. A sample of groundwater from a downgradient monitoring well (ERM-1) did not contain any detectable volatile organic compounds (VOCs). The photoionization detector PID headspace concentrations were not elevated, and were well below the 10 parts per million by volume (ppmV) fuel oil soils screening level which generally triggers the need for further evaluation. One or more individual PAH concentration was above VT DOH soil screening levels (SSLs) and EPA residential and industrial RSLs. Additionally, total petroleum hydrocarbons (TPH) were reported at 205 parts per million (ppm), above the VT SMS 200 ppm guidance level for residential exposure. On October 20, 2011 approximately 29 cubic yards were excavated, including the impacted soils down to the water table approximately three feet below ground surface (fbgs), and transported under manifest for off-site thermal desorption treatment and disposal at ESMI of Glens Falls, NY. Confirmation samples were collected at six locations in the excavation, with laboratory analysis for PAHs and TPH. The results of the confirmation analysis indicated that TPH and PAHs were still present in the soils above industrial RSLs and SSLs, with maximum reported concentrations of 3,100 mg/kg TPH and 1,400 ug/kg benzo (a) pyrene (a PAH). An additional 46 cubic yards of soil were excavated on October 27, 2011 and transported to ESMI. Six additional confirmation samples were collected. No TPH was detected in any of these second-round confirmation samples. PAHs were detected in five of the six samples. However, only one PAH, benzo (a) pyrene was reported present at concentrations above VT DOH SSLs or EPA RSLs, and only at two locations. Concentrations of benzo (a) pyrene were reported up to 41 ug/kg, compared with the VT DOH SSL of 10 ug/kg, and the EPA residential RSL of 15 ug/kg. These concentrations are below the 210 ug/kg EPA industrial RSL. No further investigations are recommended in regard to this environmental concern. The only remedial action recommended for this environmental concern is the posting of a notice to land records that the potential exists for benzo (a) pyrene to be present in near-surface soils at concentrations above VT DOH SSLs and EPA residential RSLs.

PAHs were unexpectedly detected in a single soil sample collected for the purpose of delineating potential PCB contamination near SB-16 and the transformer. The concentration of the PAH benzo(a)pyrene (BaP) and three other PAHs reported at SB-25 from 0-1 feet below ground surface were above EPA residential RSLs and VT DOH SSLs. However, the deeper SB-25 sample, collected from 1.5-2 feet did not contain any PAHs, nor did the nine other soil samples collected in the vicinity of the transformer. Based upon visual observations of recent tire tracks, and anecdotal evidence regarding previous work in the area, a possible source of the PAHs reported in the shallow SB-25 sample is historical minor drips from power company vehicles

which park in that area when servicing the transformers. Neither TPH nor PAHs were detected in a deeper SB-25 sample collected from 1.5 to 2 feet. Four drums of soil were excavated from the vicinity of SB-25 to a depth of one foot on October 20, 2011. Confirmation sampling included three locations in the excavation, with laboratory analysis for PAHs and TPH. TPH were reported at 20 and 30 mg/kg in the confirmation samples. Additionally, BaP was reported at 11, 39 and 45 ug/kg; above the VT DOH SSL of 10 ug/kg. An additional five cubic yards of soil were excavated into transport boxes on October 27 to a depth of 1.5 feet. Four confirmation samples were collected from the excavation edges. TPH was not detected in any of the additional confirmation samples, but PAHs were reported present in all four. However, only one PAH, benzo (a) pyrene was reported present at concentrations above VT DOH SSLs or EPA RSLs. Concentrations of BaP were reported between 10 and 25 ug/kg, compared with the VT DOH SSL of 10 ug/kg, and the EPA residential RSL of 15 ug/kg. These concentrations are below the 210 ug/kg EPA industrial RSL. The drummed and boxed soils were transported for off-site treatment/disposal by ENPRO of Williston, Vermont. No further investigations are recommended in regard to this environmental concern. The only remedial action recommended for this environmental concern is the posting of a notice to land records that the potential exists for benzo (a) pyrene to be present in near-surface soils at concentrations above VT DOH SSLs and EPA residential RSLs.

1,4 Dioxane was reported in soils below the building slab near a former floor drain (now sealed) at concentrations of 15.2 and 15.8 mg/kg in SB-20, above the residential RSL of 4.9 mg/kg, but below the industrial RSL of 17 mg/kg. Three additional samples collected in the vicinity had smaller reported concentrations (5.05 to 7.68 mg/kg in SB27, and 0.164 mg/kg in SB28). The 1,4 Dioxane is present in soil from the base of the concrete slab to the water table approximately six feet below the slab. Nine additional soil samples collected in the vicinity had no detected 1,4 Dioxane. Two groundwater monitoring wells were installed inside the room and downgradient of SB20, and were sampled for volatile organic compounds (VOCs) in addition to six monitoring wells outside the building. No 1,4 Dioxane was detected in any of the groundwater samples. This chemical is not used by Vermont Composites, and its presence is presumed to be related to previous occupants of the building. No further investigations are recommended in regard to this environmental concern. The only remedial action recommended for this environmental concern is the posting of a notice to land records that the potential exists for 1,4 Dioxane to be present below a limited portion of the building at concentrations above residential RSLs.
Arsenic was detected in all soil samples at concentrations ranging from 1.93 to 8.43 mg/kg. Arsenic is a naturally occurring element in Vermont soils. The pervasive nature of the observed arsenic, combined with regional geological evidence of naturally occurring arsenic, suggests a

natural source. Concentrations up to 4.46 mg/kg were reported in soil samples considered to be characteristic of background conditions. The two locations with concentrations above 5 mg/kg are beneath the building and the core assembly room (SB-19 and SB-20). No further investigation or remediation is recommended.

The site and surrounding properties are served by municipal water and sewer. A review of the VT ANR interactive web-sites for potential sensitive receptors indicates that there are no cellars, water supply wells, wetlands, schools, daycares or surface water that are likely to have been impacted by the observed non-volatile PCB or PAH soil contamination, nor to the 1,4 Dioxane soil contamination, which is limited to a discrete area on the property.

The Johnson Company recommends that the Site be granted Site Management Activity Completed (SMAC) status, pending lodging of the aforementioned notice to the land records, and upon approval of VT SMS, sealing and abandonment of all monitoring wells in accordance with Section 12.3.5 in Appendix A of the Vermont Water Supply Rule-Chapter 21. A detailed list of how the Site meets the requirements for SMAC status is provided in the Conclusions and Recommendations of the report.

Additional excavation is planned in the two areas containing PAHs above residential screening levels. The result of those excavations and subsequent additional confirmation sampling will be provided to VT SMS in a separate report, which will also include a draft notice to the land records for VT SMS review and comment.

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1.0 INTRODUCTION

Vermont Composites is located at 25 Performance Drive in Bennington, Vermont (the Site, see Figure 1). Vermont Composites Corporation is the Site owner, operator and potentially responsible party. Two environmental conditions of concern were identified during a Phase II Environmental Site Assessment performed by ERM in August, 2011. The conditions included concentrations of polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs) in on-site soils. Notifications of these conditions were reported to the Vermont Department of Environmental Conservation Spills Section, in an August 30, 2011 letter (included in Attachment 1). A copy of the letter was provided to Ms. Kim Tisa, Regional PCB Coordinator for Region I, Environmental Protection Agency (EPA).

The Vermont Sites Management Section (VT SMS), assigned the property a hazardous waste site number; VT SMS #2011-4213. The Johnson Company, Inc. of Montpelier, Vermont was retained as an environmental consultant for Vermont Composites. A phone call was held with Michael Smith, Site Manager for VT SMS, on September 28th, 2011. Two additional environmental conditions of concern; the presence of 1,4 dioxane, and arsenic in on-site soils, were discussed during the call. Also discussed were proposed investigation techniques and details, which were confirmed in writing in subsequent e-mails. Expressway notification for the PAH contaminated soils was provided to VT SMS on September 29th, and a VT SMS letter approving the proposed investigation was provided on September 30, 2011 (both in Attachment 1).

The remainder of this document describes the site history, contaminants of concern, geology and hydrogeology, investigation methods and results, a sensitive receptor evaluation, conceptual site model, and conclusions and recommendations. Figures, Tables, and Attachments are provided at the end of the document.

2.0 SITE DESCRIPTION AND HISTORY

The Site encompasses approximately 29 acres, located north of Kocher Drive, between East Road and Performance Drive (see Figure 2). This property is described in town records as tax parcel #37-50-14-00. The property has a one-story 82,000 square foot building used for office and manufacturing purposes, and a 3,200 square foot building near the northern property line. A 10,000 gallon above ground storage tank (AST) used for #2 fuel oil is present in a cast-in-place secondary containment structure north of the main building. The buildings are constructed with slab-on-grade foundations, and are heated using #2 fuel oil and propane. The Site and surrounding area are served by municipal water and sewer. There is no known stormwater collection system.

The Site was initially developed in 1968. Between 1968 and 2003, the site was owned and occupied by Bijur Lubricating Corporation. Bijur Lubricating used the Site for the manufacture, assembly and distribution of lubrication systems and equipment. Bijur historically generated paint wastes until circa 1996, and trichloroethene until 1987 (URS, Phase I Environmental Site Assessment, Bijur Lubricating Corp. 50 Kocher Drive, Bennington, Vt; September, 2003). Bijur was classified as a small quantity generator of hazardous waste by VT DEC (RCRA #10811). No releases of petroleum products or hazardous materials were reported by the Bijur Lubricating Corporation.

Since the purchase of the Site by Vermont Composites, hazardous waste is stored in the chemical storage room located on the north central side of the main building. All other solid waste items are stored externally on the north side of the facility as well.

Current potential sources of contamination include spray coating applications through any one of the three spray booths located within the main building. All three have filters to minimize contamination to the external environment. All three are covered by a current air permit issued by VT DEC.

Vermont Composites disposes of hazardous materials through containerizing, profiling and shipping to the ENPRO treatment, storage and disposal facility in Williston, Vermont. Materials that are both hazardous and non-hazardous are handled by ENPRO. Solid waste is handled by a local waste hauler.

There are no known previous hazardous materials releases at the Site based upon the URS Phase I environmental Site Assessment and The Johnson Company discussions with the current employees of Vermont Composites.

3.0 SOURCES AND CONTAMINANTS

There are four general contaminants of concern, all in soils. No contaminants of concern have been reported in groundwater. The four contaminants include: polychlorinated biphenyls (PCBs); petroleum compounds, particularly polycyclic aromatic hydrocarbons (PAHs); 1,4 Dioxane, and arsenic. Applicable Vermont Groundwater Enforcement Standards (VTGWES) Vermont Department of Health (VT DOH) Soil Screening Levels (SSLs) and Environmental Protection Agency (EPA) Region III Regional Screening Levels (RSLs) are provided in the summary tables of analytical results.

Potential sources of PCBs include a transformer formerly located near the northeast corner of the facility (see Figure 2 and Photograph 1 in Attachment 2). Historically, the northern transformer pad held a transformer that contained PCBs, although Central Vermont Public Service (CVPS) and Bijur representatives had no knowledge of any releases from that transformer (URS, Phase I Environmental Site Assessment, Bijur Lubricating Corp. 50 Kocher Drive, Bennington, Vt; September, 2003). The current transformers do not contain PCBs. Initially, ERM collected near-surface (0-1 feet below ground surface, or fbgs) samples in the vicinity of the transformers during their Phase II ESA. The only PCB detection in these samples was 77.3 parts per billion (ppb) Aroclor 1254 in the surface sample SB-16. This concentration is below the most conservative (lowest) applicable Vermont Department of Health (VT DOH) soil screening value (SSL is 120 ppb total PCBs) and the EPA Regional Screening Levels (RSL) of 220 ppb for residential exposure. The probable source of this de-minimus soil contamination is a minor release during replacement of historical transformers.

PAHs and total petroleum hydrocarbons (TPH) were reported in soils associated with the fill pipe of a #2 fuel oil above ground storage tank (AST) in soil borings SB-05 and SB-07 at depths of 0-1 feet (see Figure 2 and Photographs 2 and 3 in Attachment 2). The AST is located north of the building and contains fuel oil is used for heating the building. The AST is in a cast-in-place concrete secondary containment structure. Elevated PAHs in samples from 0-1 fbgs in

borings SB-05 and SB-07 samples, and TPH in SB-5, appear to be related to historic releases incidental to filling of the tank. No volatile organic compounds (VOCs) were reported in the Phase II ERM samples above VT DOH SSLs or EPA RSLs. No photoionization detector soil headspace readings were above the VT SMS 10 parts per million by volume (ppmV) screening level. One or more individual PAH concentration was above VT DOH residential and industrial guidance levels and EPA RSLs. Additionally, TPH were reported above the VT SMS 200 mg/kg guidance level for residential exposure.

PAHs were also detected in a single soil sample (SB-25) collected near SB-16 and the transformer (see Figure 2 for sample location). The concentration of the PAH benzo(a)pyrene (BaP) and three other PAHs reported at SB-25 from 0-1 feet below ground surface were above EPA residential RSLs and VT DOH screening levels. However, the deeper SB-25 sample, collected from 1.5-2 feet did not contain any PAHs, nor did the nine other soil samples collected in the vicinity of the transformer. TPH values up to 30 mg/kg were reported in some confirmation samples. Based upon visual observations of recent tire tracks, and anecdotal evidence regarding previous work in the area, one probable source of the PAHs reported in the shallow SB-25 sample was likely historical minor drips from power company vehicles which park in that area when servicing the transformers.

1,4 Dioxane was reported in soils below the building slab near a former floor drain (now sealed) at concentrations of 15.2 and 15.8 ppm in SB-20, above the residential RSL of 4.9 ppm, but below the industrial RSL of 17 ppm (see Figure 2 for sample location). Three additional samples collected in the vicinity had smaller reported concentrations (5.05 to 7.68 ppm in SB27, and 0.164 ppm in SB28). Nine additional soil samples collected in the vicinity had no detected 1,4 Dioxane. No 1,4 Dioxane was detected in any groundwater samples. This chemical is not used by Vermont Composites. Its presence is presumed to be related to previous occupants of the building, and releases to the former floor drains. 1,4 Dioxane is used as a metal inhibitor stabilizer for methyl chloroform (Thomas Mohr, Environmental Investigation and Remediation; 1,4 Dioxane and other Solvent Stabilizers; CRC press, 2010). Other uses include printing,

staining, varnishes, paint and varnish removers, glues and cosmetics. It has a boiling point of 101.1 degrees Celsius, an organic carbon partitioning coefficient (Log $K_{oc)}$ of 1.23, a molecular weight of 88.1 grams/mole, a vapor pressure of 38.09 millimeters mercury, a density of 1.0329 grams per cubic centimeter, a Henry's Law Constant of 4.80 x 10^{-6} atmosphere cubic meters per mole, and a 3.03 vapor density relative to air (Mohr, 2010). Its half-life in surface water is estimated at 4.8 days.

Arsenic was detected in all soil samples at concentrations ranging from 1.93 to 8.43 ppm (see Figure 3). The EPA RSLs for arsenic are 0.39 ppm for residential exposure, and 1.6 ppm for industrial uses. Arsenic is a naturally occurring element in Vermont soils. The pervasive nature of the observed arsenic, combined with regional geological evidence of naturally occurring arsenic, suggests a natural source. Concentrations up to 4.46 ppm were reported in soil samples considered to be characteristic of background conditions. The two locations with concentrations above 5 ppm are beneath the building and the core assembly room (SB-19 and SB-20).

Other VT SMS Sites in the vicinity include: #770031, Kocher Drive Dump located northwest of the Site; #441578, Bennington Square Mall (with SMAC status) located south across Kocher Drive from the Site; and #951748, Nemer Motors, located west across Performance Drive, and downgradient of the Site.

4.0 GEOLOGY AND HYDROGEOLOGY

Soil boring and monitoring well logs from the ERM Phase II ESA and subsequent investigation are provided in Attachment 3. Note that three monitoring wells (MW-01 through MW-03) had been installed previously (prior to 2003), and no information is available for them beyond their total depths and top-of-casing relative elevations. The maximum depth of investigation is approximately 15 feet.

Overburden is mapped as glacio-fluvial outwash (Charles Doll, Surficial Geologic Map of Vermont, 1970). The overburden investigated for this report is primarily fluvial sand, gravel and cobble deposits. In general, the soils observed during sampling and excavation consisted of medium and fine sand and gravel, some pebbles, some rounded cobbles, little coarse sand, little silt. Occasionally, discrete layers of fine sand, sometimes with thin units of organic silty sand, were observed. However, due to the erosive nature of the river flow which deposited the surrounding sand and gravel units, it is likely that these finer grained sands are not laterally extensive. Silt was encountered below the sandy gravels at approximately 13 feet in SB-2/ERM-1, but since the hole was terminated at 15 feet, the vertical extent of this deposit is unknown. In SB-10/ERM-3 silt and sand was reported between 7.5 and 12 feet, and was underlain by more sandy gravel. No laterally extensive potential confining layers could be correlated between the soil borings.

The organic carbon content of the sandy gravels is expected to be low, relative to that typical for topsoil or similar deposits that contain vegetative matter. The hydraulic conductivity of the sandy gravels is expected to be relatively high, on the order of one to ten feet per day or more, based upon their grain size distribution.

Bedrock in the vicinity is mapped as Monkton Quartzite and Winooski Dolomite (Charles Doll, Centennial Geologic Map of Vermont, 1961). Bedrock was not encountered in any borings or investigations. No detailed evaluation of bedrock was performed, due to the observed limited

shallow vertical extent of soil contamination, and the lack of VT GWES exceedances in monitoring well samples.

The direction of groundwater flow was determined based upon measurements in water-table monitoring wells conducted in September, 2011. Groundwater flows to the surface at the northeast corner of the Site at MW-01 (see Figure 4). This is likely due to a local up-ward gradient associated with discharge at the base-of-slope in that location. The depth to groundwater along the north-center edge of the Site is approximately 2-3 fbgs. The depth to groundwater increases below the building, and to the south and east to approximately six fbgs. Because of the expected high relative permeability of the sandy gravel, no specific preferential pathways are expected. The groundwater gradient, based upon the monitoring wells screened across the water table, slopes down towards the west-southwest at approximately 0.01 ft/ft.

5.0 SAMPLING METHODOLOGY

ERM conducted 22 soil borings during the Phase II ESA, and collected soil samples at 15 additional locations in an investigation (discussed with VT SMS during a September 28 phone call) designed to delineate the extent of potential PCB, 1,4 Dioxane, and arsenic contamination in soils, and potential 1,4 dioxane contamination in groundwater. Eighteen additional soil samples were collected by The Johnson Company and three by ERM on October 20 and October 27 during excavation of PAH contaminated soils.

Soil samples were collected by The Johnson Company using decontaminated shovels, hand augers and split spoon samplers. Details regarding the methodologies used by ERM are presented in their Phase II Environmental Site Assessment (ESA) report dated August, 2011. All samples for laboratory analysis were placed in glass containers on ice, and shipped under chain-of-custody procedures to the lab. ERM samples were analyzed by Spectrum analytical of Agawam, MA. The Johnson Company samples were analyzed by Eastern Analytical of Concord, NH.

Photoionization detector (PID) headspace assays were performed on-site on the soil samples collected by ERM and The Johnson Company using resealable plastic bags. PID assays during the petroleum soils excavations were performed using a Thermo-Environmental Model 508B OVM with a 10.2 electron volt (eV) lamp calibrated to a benzene equivalent (e.g. isobutylene). Calibrations were performed each day the instrument was in use. The instrument was calibrated on-site prior to use, and the calibration checked at the end of the day. An instrument log book was maintained by the operator and shall be provided to the SMS for review upon request. The log book contains the PID make and model, the date and time of calibration, and the type of calibration gas used. Information included in the field notes includes humidity, wind, temperature, sample locations, background air and empty container values and any other relevant information.

Headspace vapor readings on samples were taken by placing a sample of soil or debris into a closed plastic bag. The sample occupied approximately 50% of the volume of the sample container. The sample container was vigorously agitated, then allowed to sit undisturbed for approximately one minute to allow for sample equilibration, and finally a headspace vapor concentration measured using the PID. SOPs for sample collection are maintained by The Johnson Company and are available to the SMS upon request.

Three previously installed monitoring wells (MW-01 through MW-03) were found on-site, and ERM installed five addition wells (ERM-01 through ERM-05). The locations are shown on Figure 2, and logs are provided for the ERM wells in Attachment 3. The ERM wells were installed using hollow stem augers, and were screened across the water table, generally with ten-foot long 2-inch diameter screens (although shorter screens were used for ERM-4 and ERM-5 installed inside the building). Monitoring wells were developed prior to sampling, and slow-purge methods using peristaltic pumps were used for sampling. Logs of the slow purge-low stress sampling conducted by ERM are provided in Attachment 4.

The monitoring well top-of-casing elevations were surveyed by TRM to the nearest 0.01 foot, relative to the MW-01 top-of-casing which was arbitrarily set to 100 feet as a temporary benchmark. The locations were determined by ERM using a GPS with approximate plus-or-minus three feet accuracy. The soil boring and well coordinates are provided in Attachment 3.

6.0 QUALITY ASSURANCE/QUALITY CONTROL

The quality of the laboratory analyses was in general, acceptable in accordance with the laboratory protocols and acceptance standards. Details are provided in the laboratory reports included in Attachment 5. Some Spectrum Laboratory quality control results for soils analyses were beyond method acceptance ranges including the following analytes: aluminum, chromium, nickel, mercury, thallium, and a large number of volatile organic compounds (VOCs).

Results for 1,4 Dioxane in soil samples SB-19 and SB-20 are considered to have a low bias based upon 67% recovery (below the 70% individual acceptance criteria) in the laboratory control samples. Results for acetone in many soil samples are considered to have a high bias based upon recovery above the 130% individual acceptance criteria in the laboratory control samples.

The Spectrum laboratory analyses of groundwater had bromomethane laboratory control sample recoveries above the 130% individual acceptance criteria, and therefore bromomethane concentrations are considered to have a high bias.

The only deviation from the work proposed to VT SMS in the September 29 E-mail was the location of the monitoring well ERM-4, which was installed approximately 15 feet southwest of the originally proposed location due to refusal above the water table at the original location. VT SMS was verbally notified of this change at the time, and verbally concurred with the revised location.

Several of the Spectrum PAH analyses did not have reporting limits sufficiently low enough to evaluate if EPA residential RSLs or VT SSLs were met. However, all of the Eastern Analytical PAH analyses were performed using selective ion monitoring (SIM), which resulted in reporting limits below 10 ug/kg, the lowest PAH RSL or SSL. Since Eastern Analytical analyzed all of the confirmation samples that still remain in place (were not excavated), the

higher reporting limits for the Spectrum analyses do not affect the conclusions presented in this report.

Two duplicate samples were collected during the confirmation analyses performed following the petroleum impacted soils excavations (see Table 6). One duplicate pair was JCO-05 and AST-SE. No TPH was detected in either sample. One PAH was reported present in JCO-05 at a concentration of 8 ug/kg. It was not detected in AST-SE, but the reporting limit was 348 ug/kg. The second duplicate pair was JCO-18 and JCO-dup. No TPH were detected in either sample. Ten PAHs were detected in both samples. The only PAH exceeding EPA Residential RSLs and VT SSLs was BaP, which had reported concentrations of 17 and 25 ug/kg, with a relative percent difference (RPD) of 38%. The RPDs for the other nine detected PAHs ranged between 24 and 40%. This reproducibility is acceptable for soils, and the data are suitable for use in determining the nature, extent, and risk of the residual in-place soil contamination.

Given the limited detections of compounds of concern, the acceptable results for arsenic analyses, the lack of any VOC detections in groundwater, and the collection of additional samples for 1,4 Dioxane characterization beyond SB-19 and SB-20, the validity of the data are sufficient to establish credible recommendations. The data collected are also suitable to determine the risk posed by the contaminant(s), and the potential remedial actions.

7.0 RESULTS

Available environmental data for the Site include: the ERM Phase II data, subsequent additional data collected by ERM in accordance with the proposed investigation details provided to VT SMS, and data collected during remediation of petroleum and PAH impacted soils, including confirmation tests. Laboratory analytical reports are provided in Attachment 5. Summary tables of the results are provided at the end of the document.

No visual or olfactory evidence of contaminated soils was observed. No PID headspace readings above 1 ppmV were detected in soil samples collected during the petroleum impacted soils excavation. The background readings in an empty sealed plastic bag were recorded up to 0.6 ppmv. No quantitative responses were detected in the PID screenings conducted by ERM on the other soil samples (ERM, Phase II ESA, August 2011).

Groundwater sampling and analysis for VOCs by EPA Method 8260 was performed by ERM. Samples were collected from eight monitoring wells using slow-purge low-stress methods. No VOCs were detected in Groundwater (see Table 1). Groundwater flows east-southeast across the Site, at depths from zero to approximately 6 fbgs (see Figure 4).

77.3 parts per billion (ppb) Aroclor 1254 (a PCB) were reported in the surface soil sample SB-16 located near the northern transformer pad located east of the main building (see Figure 5 for location). Additional work in this area included collection of soils from four locations (SB-23 through SB-26) at depths of 0-1 fbgs, and from native soils at the seasonal high groundwater table (as indicated by the presence of mottles). The samples were analyzed for PCBs. PCBs were not detected in the eight additional soil samples collected in the vicinity of SB-16 and the transformer pad (see Table 2).

PAHs were reported in soils associated with the fill pipe of a #2 fuel oil above ground storage tank (AST) in soil borings SB-05 and SB-07 at depths of 0-1 feet, and at lower concentrations in SB-06 from 0-1 fbgs (see Figure 6 and Table 3). Deeper samples from SB-06 and SB-07 did not contain detectable PAHs. The area potentially impacted by the releases is bounded on four sides by the AST secondary containment structure, a building with a concrete slab-on-grade foundation, a concrete pad holding propane tanks, and an asphalt parking lot. Additionally, total petroleum hydrocarbons (TPH) were reported at 205 parts per million (ppm) in SB-05, and at lower concentrations in SB-06 and SB-07.

On October 20, 2011 approximately 29 cubic yards were excavated, including the impacted soils down to the water table approximately three feet below ground surface (fbgs), and transported under manifest for off-site thermal desorption treatment and disposal at ESMI of Glens Falls, NY. Photographs of the excavation are in Attachment 2. Confirmation samples were collected at six locations in the excavation, with laboratory analysis for PAHs and TPH. Samples included JCO-1, JCO-2, JCO-3, JCO-5 (duplicate of AST-SE), AST-NE and AST-NW as shown on Figure 6). JCO-3 was collected from the base of the excavation, below the former SB-5 location, and the remainders of the samples were collected from the excavation walls. The results are provided in Table 6. The results of the confirmation analysis indicated that TPH and PAHs were still present in the soils above industrial RSLs and SSLs, with maximum reported concentrations of 3,100 mg/kg TPH and 1,400 ug/kg benzo (a) pyrene (a PAH).

An additional 46 cubic yards of soil were excavated on October 27, 2011 and transported to ESMI. Manifests are in Attachment 1 and photographs of the excavation are in Attachment 2. Six additional confirmation samples were collected (JCO-09 through JCO-14). No TPH was detected in any of these second-round confirmation samples. PAHs were detected in five of the six samples. However, only one PAH, benzo (a) pyrene (BaP) was reported present at concentrations above VT DOH SSLs or EPA RSLs, and only at two locations (JCO-09 and JCO-11, at the northeast and northwest edges of the excavation). Concentrations of benzo (a) pyrene

were reported up to 41 ug/kg, compared with the VT DOH SSL of 10 ug/kg, and the EPA residential RSL of 15 ug/kg. These concentrations are below the 210 ug/kg EPA industrial RSL.

PAHs were also detected in a single soil sample (SB-25 from 0-1 fbgs) collected for the purpose of delineating potential PCB contamination near SB-16 and the transformer (see Table 3 and Figure 5). However, the deeper SB-25 sample, collected from 1.5-2 feet did not contain any PAHs, nor did nine other soil samples collected by ERM in the vicinity of the transformer (see Figure 5 and Table 3).

Four drums of soil were excavated from the vicinity of SB-25 on October 20, 2011. Photographs of the excavation are in Attachment 2. Confirmation sampling included three locations in the excavation (JCO-6, JCO-7 and JCO-8), with laboratory analysis for PAHs and TPH. TPH were reported at 20 and 30 mg/kg in the confirmation samples (see Figure 5 and Table 6). Additionally, BaP was reported at 11, 39 and 45 ug/kg; above the VT DOH SSL of 10 ug/kg.

An additional five cubic yards of soil were excavated from the vicinity of SB-25 into transport boxes on October 27 to a depth of 1.5 feet. Photographs of the excavation are in Attachment 2. Four confirmation samples were collected from the excavation edges (JCO-15 through JCO-18 on Figure 5, and Table 6). TPH was not detected in any of the additional confirmation samples, but PAHs were reported present in all four. However, only one PAH, benzo (a) pyrene was reported present at concentrations above VT DOH SSLs or EPA RSLs. Concentrations of BaP were reported between 10 and 25 ug/kg, compared with the VT DOH SSL of 10 ug/kg, and the EPA residential RSL of 15 ug/kg. These concentrations are below the 210 ug/kg EPA industrial RSL. The drummed and boxed soils were transported for off-site treatment/disposal by ENPRO of Williston, Vermont (manifests are in Attachment 1).

The facility has two former floor drains in the core assembly area (see Figure 7). These drains are now sealed. 1,4 Dioxane was reported at 15.2 and 15.8 mg/kg in soils from 1-3 fbgs at boring SB-20 adjacent to a former drain (see Table 4). It was not detected in samples from SB-19, located south of SB-20. Additional work in this area included soil samples from five additional locations (SB-27 through SB-31 on Figure 7). Samples were collected for low-level VOC analysis (with distilled water preservation) by EPA Method 8260. Samples were collected from 0-1 feet below the concrete slab, and from at the water table, where it could be reached. Three samples had smaller reported concentrations (5.05 and 7.68 mg/kg at SB27, and 0.164 mg/kg in SB28). The 1,4 Dioxane is present in soil from the base of the concrete slab to the water table approximately six feet below the slab. Nine additional soil samples collected in the vicinity had no detected 1,4 Dioxane.

Acetone was detected in five soil samples collected from beneath the building, but at concentrations below VT DOH SSLs and EPA residential RSLs.

Metals were detected in all the soil samples. Only arsenic was reported at concentrations above applicable VT DOH SSLs or EPA residential RSLs. The widespread occurrence of metals is generally consistent with natural sources. The concentrations of arsenic reported in soils are shown on Figure 2, and Table 5 provides a summary of the analytical results.

8.0 CONTAMINANT FATE AND TRANSPORT

Three of the contaminants of concern (PCBs, PAHs and arsenic) are generally immobile and tend to sorb to organic carbon in soils (in the absence of PCB non-aqueous phase liquid). PCBs and PAHs degrade slowly, over periods of decades, while arsenic does not degrade. The extent of the detections of PCBs and PAHs indicate local releases with little or no migration beyond the point of release. Arsenic detections in soils are pervasive and generally uniform across the Site, and are likely the result of natural sources in the soils and rock. The likely fate of these analytes is long-term persistence in the soils where they occur, and minimal migration.

1,4 Dioxane is a VOC which can slowly dissolve in groundwater, or volatilize into soil gas. In its pure form it is denser than water (1.0329 grams per cubic centimeter) (Mohr, 2010). However, it is rarely used in its pure form, and the concentrations observed in soils are not indicative of non-aqueous phase liquid. Its half-life in surface water is estimated at 4.8 days (Mohr, 2010). The lack of any detections in groundwater suggests that the observed concentrations in soils represent residual contamination that is the result of decades-old release(s) to the northern floor drain. As such, given that the contamination is isolated from recharge under the building slab, no future migration is expected.

9.0 RECEPTOR EVALUATION

The Site and surrounding area is served by public water supplies and public sanitary sewers. There are no known stormwater drains or conduits on-site.

A review of the VT ANR interactive web-sites and available aerial photographs for potential sensitive receptors indicates that there are no cellars, water supply wells, wetlands, schools, daycares or surface water that are likely to have been impacted by the observed PCB or 1,4 Dioxane soil contamination, which is limited to discrete areas on the property.

The VT ANR water well map downloaded from the web site is provided in Attachment 6. The nearest well reportedly used as a water supply is more than 2,000 feet from the Site (not including the test well east of the Site, and using the correct approximate location of Well Tag #599 based upon the owners address instead of the "screen digitized" location from the driller's report map).

All the buildings on-site, and the buildings downgradient across Performance Drive, are slab-on-grade construction. There are residences located across East Road, east and up-gradient of the Site. These residences probably have cellars. In terms of evaluation for risk to indoor air quality, only the detected VOCs (acetone and 1,4 Dioxane) are of potential concern. Because both of these VOCs were only detected beneath the on-site building, and were not detected in groundwater, they do not pose a threat to the residents.

With the exception of arsenic and PAHs, contamination above EPA residential RSLs and VT DOH SSLs in the upper two feet of soils has been removed. There is residual 1,4 Dioxane contamination above EPA residential RSLs below the center of the building slab, but it is not accessible without demolition of the slab. Therefore, there is no current unacceptable direct contract risk for industrial use from the observed contamination on-site with the exception of the naturally occurring arsenic and low level PAHs (below the EPA Industrial RSL) in the soils.

The Roaring Branch of the Walloomsac River is located approximately 1,000 feet south of the Site, and a tributary to it is located to the south across Kocher Drive. The closest Class II wetlands mapped by VT ANR are south across the tributary and beneath the pavement of the developed area west of Performance Drive (see Attachment 6). The localized on-site soil contamination will not affect these wetlands, the tributary or the river, particularly considering the lack of stormwater conveyances and since no VOCs have been detected in groundwater.

Based upon the evaluation above, there are no impacted or threatened third parties.

10.0 CONCEPTUAL SITE MODEL

PCBs were released to the ground surface at SB-16 during maintenance or removal of a former transformer. The contamination is limited to concentrations below VT DOH SSLs and EPA residential RSLs, and to a localized area well defined by non-detects in surrounding samples. The residual PCBs in the surface soils are unlikely to migrate and do not pose a threat to human health or the environment.

Petroleum products were released to the ground surface in the vicinity of the fuel oil AST fill pipe during historical filling events, and at SB-25 from vehicle drips. The petroleum impacted soils are contaminated with PAHs above EPA residential RSLs, but not industrial RSLs, and the contamination is limited to the near-surface (less than 1.5 feet) soils. Volatilization has resulted in residual contamination which does not contain VOCs. The soils contaminated above 200 mg/kg TPH and EPA Industrial RSLs have been excavated and sent off-site for disposal at licensed facilities. The data from the downgradient wells, including ERM-01, where no VOCs were detected, indicate that the residual contamination did not adversely impact groundwater quality.

1,4 Dioxane was released to the northern floor drain in the Core Assembly Area in the 1980's, probably associated with a dilute solvent release. No VOCs were detected in monitoring wells installed adjacent to, and downgradient of, the release point and observed soil contamination. The 1,4 dioxane is currently present in the unsaturated soils between the concrete building floor and the water table located approximately six feet below the floor. Under current conditions it is unlikely to migrate further.

Arsenic is present in all of the soil samples at concentrations less than nine mg/kg. It is likely naturally occurring, and will remain in the soils for the foreseeable future.

11.0 CONCLUSIONS AND RECOMMENDATIONS

77.3 parts per billion (ppb) Aroclor 1254 (a PCB) were reported in the surface sample SB-16 located near a transformer pad. This concentration is below the most conservative (lowest) applicable Vermont Department of Health (VT DOH) screening value (120 ppb total PCBs) and the EPA Regional Screening Levels (RSL) of 220 ppb for residential exposure. Eight additional soil samples were collected in the vicinity of SB-16 and the transformer pad. No PCBs were detected in these additional samples. No further action, and no further testing for PCBs is proposed.

PAHs were reported in soils associated with the fill pipe of a #2 fuel oil above ground storage tank (AST) at depths of 0-1 feet. The fuel oil is used for heating the building. The AST is in a cast-in-place concrete secondary containment structure. Elevated PAHs in samples from 0-1 fbgs in borings SB-05 and SB-07 samples appear to be related to historic releases incidental to filling of the tank. A deeper sample from 2-3 fbgs at SB-07 did not contain detectable PAHs. The area potentially impacted by the releases is bounded on four sides by the AST secondary containment structure, a building with a concrete slab-on-grade foundation, a concrete pad holding propane tanks, and an asphalt parking lot. A sample of groundwater from a downgradient monitoring well (ERM-1) did not contain any detectable volatile organic compounds (VOCs). One or more individual PAH concentration was above VT DOH residential and industrial guidance levels and EPA RSLs. The PID headspace concentrations were not elevated, and were well below the 10 parts per million by volume (ppmV) fuel oil soils screening level which generally triggers the need for further evaluation. Additionally, total petroleum hydrocarbons (TPH) were reported above the VT SMS 200 mg/kg guidance level for residential exposure and 1,000 mg/kg guidance level for industrial exposure. 75 cubic yards of soil were excavated in two events and transported to ESMI for thermal desorption. No TPH was detected in any of the second-round confirmation samples collected at the limits of excavation. PAHs were detected in confirmation samples. However, only one PAH, benzo (a) pyrene was reported present in the confirmation samples at concentrations above VT DOH SSLs or EPA residential

RSLs, and only at two locations. Concentrations of residual benzo (a) pyrene were reported up to 41 ug/kg, compared with the VT DOH SSL of 10 ug/kg, and the EPA residential RSL of 15 ug/kg. These concentrations are below the 210 ug/kg EPA industrial RSL. No further investigations are recommended in regard to this environmental concern. The only remedial action recommended for this environmental concern is the posting of a notice to land records that the potential exists for benzo (a) pyrene to be present in near-surface soils at concentrations above VT DOH SSLs and EPA residential RSLs.

PAHs were unexpectedly detected in a single soil sample collected for the purpose of delineating potential PCB contamination near SB-16 and the transformer. The concentration of the PAH benzo(a)pyrene (BaP) and three other PAHs reported at SB-25 from 0-1 feet below ground surface were above EPA residential RSLs and VT DOH screening levels. Neither TPH nor PAHs were detected in a deeper SB-25 sample collected from 1.5 to 2 feet. Four drums of soil were excavated from the vicinity of SB-25 to a depth of one foot on October 20, 2011 and an additional five cubic yards of soil were excavated into transport boxes on October 27 to a depth of 1.5 feet. The drummed and boxed soils were transported for off-site treatment/disposal by ENPRO of Williston, Vermont. Four confirmation samples collected from the excavation edges following the second excavation did not contain detectable TPH, but PAHs were reported present. However, only one PAH, benzo (a) pyrene was reported present at concentrations above VT DOH SSLs or EPA RSLs. Concentrations of BaP in the second set of confirmation samples were reported between 10 and 25 ug/kg, compared with the VT DOH SSL of 10 ug/kg, and the EPA residential RSL of 15 ug/kg. These concentrations are below the 210 ug/kg EPA industrial RSL. No further investigations are recommended in regard to this environmental concern. The only remedial action recommended for this environmental concern is the posting of a notice to land records that the potential exists for benzo (a) pyrene to be present in near-surface soils at concentrations above VT DOH SSLs and EPA residential RSLs.

1,4 Dioxane was reported in soils below the building slab near a former floor drain (now sealed) at concentrations of 15.2 and 15.8 ppm in SB-20, above the residential RSL of 4.9 ppm, but below the industrial RSL of 17 ppm. Three additional samples collected in the vicinity had smaller reported concentrations (5.05 to 7.68 ppm in SB27, and 0.164 ppm in SB28). The 1,4 Dioxane is present in soil from the base of the concrete slab to the water table approximately six feet below the slab. Nine additional soil samples collected in the vicinity had no detected 1,4 Dioxane. Two groundwater monitoring wells were installed inside the room and downgradient of SB20, and were sampled for volatile organic compounds (VOCs) in addition to six monitoring wells outside the building. No 1,4 Dioxane was detected in any of the groundwater samples. This chemical is not used by Vermont Composites, and its presence is presumed to be related to previous occupants of the building. No further investigations are recommended in regard to this environmental concern. The only remedial action recommended for this environmental concern is the posting of a notice to land records that the potential exists for 1,4 Dioxane to be present below a limited portion of the building at concentrations above residential RSLs.

Arsenic was detected in all soil samples at concentrations ranging from 1.93 to 8.43 ppm. Arsenic is a naturally occurring element in Vermont soils. The pervasive nature of the observed arsenic, combined with regional geological evidence of naturally occurring arsenic, suggests a natural source. Concentrations up to 4.46 ppm were reported in soil samples considered to be characteristic of background conditions. The two locations with concentrations above 5 ppm are beneath the building and the core assembly room (SB-19 and SB-20). No further investigation or remediation is recommended.

The site and surrounding properties are served by municipal water and sewer. A review of the VT ANR interactive web-sites for potential sensitive receptors indicates that there are no cellars, water supply wells, wetlands, schools, daycares or surface water that are likely to have been impacted by the observed PCB, PAH or by the 1,4 Dioxane soil contamination which is limited to discrete areas on the property.

The Johnson Company recommends that the Site be granted Site Management Activity Completed (SMAC) status, pending lodging of the aforementioned 1,4 Dioxane and PAH notice to the land records, and upon approval of VT SMS, sealing and abandonment of all monitoring wells in accordance with Section 12.3.5 in Appendix A of the Vermont Water Supply Rule-Chapter 21.

A detailed list of how the Site meets the requirements for SMAC status is provided below. The site is eligible for a SMAC designation because the following conditions have been met:

- The sources nature, degree, and extent of the contamination have been adequately defined.
- The sources of contamination have been removed, remediated, or adequately contained. All remedial action objectives (e.g. EPA RSLs and VT DOH screening values) have been achieved, with the exception of 1,4 Dioxane and PAHs in soils above EPA Residential RSLs which will be handled by institutional controls, and remedial actions and activities have been completed.
- No contaminants of concern have been reported in groundwater, and concentrations in impacted soils are expected to remain stable or decline over time. All post-remedial phase monitoring has been completed.
- Groundwater enforcement standards have been met at compliance points established for the site in accordance with the Groundwater Protection Rule and Strategy.
- Appropriate risk-based soil guideline concentrations have been met at compliance/exposure points, with the exception of 1,4 Dioxane and PAHs which will be handled by institutional controls.
- The groundwater quality data demonstrates that migration of contaminants from soil to groundwater is not occurring at concentrations which will result in an exceedance of the Groundwater Enforcement Standards beyond the established compliance boundary.
- The existence of municipal water supplies and a review of VT ANR published well locations indicates that there are no water supply wells at risk of contamination from the Site, particularly given the lack of groundwater enforcement standard exceedances in on-site monitoring wells.

- There are no known cellars on the Site, or on properties adjacent to the Site except up-gradient to the east. Groundwater enforcement standards were not exceeded in monitoring wells. These data, combined with the limited areal extent and relatively low concentrations (compared with industrial RSLs) of the only VOC of concern, 1,4 Dioxane in soils, indicates that there are no unacceptable risks to indoor air quality.

- Vermont Water Quality standards and Air Pollution Control Emission standards are not applicable.

- No unacceptable threat to human health or the environment exists at the site from exposure to hazardous materials.

- Vermont Hazardous Waste Management Regulations have been adhered to.

- The Site is not subject to regulation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

- There are no outstanding or overdue balances owed to the state (e.g. PCF deductible, Environmental Contingency Fund (ECF) cost recovery).

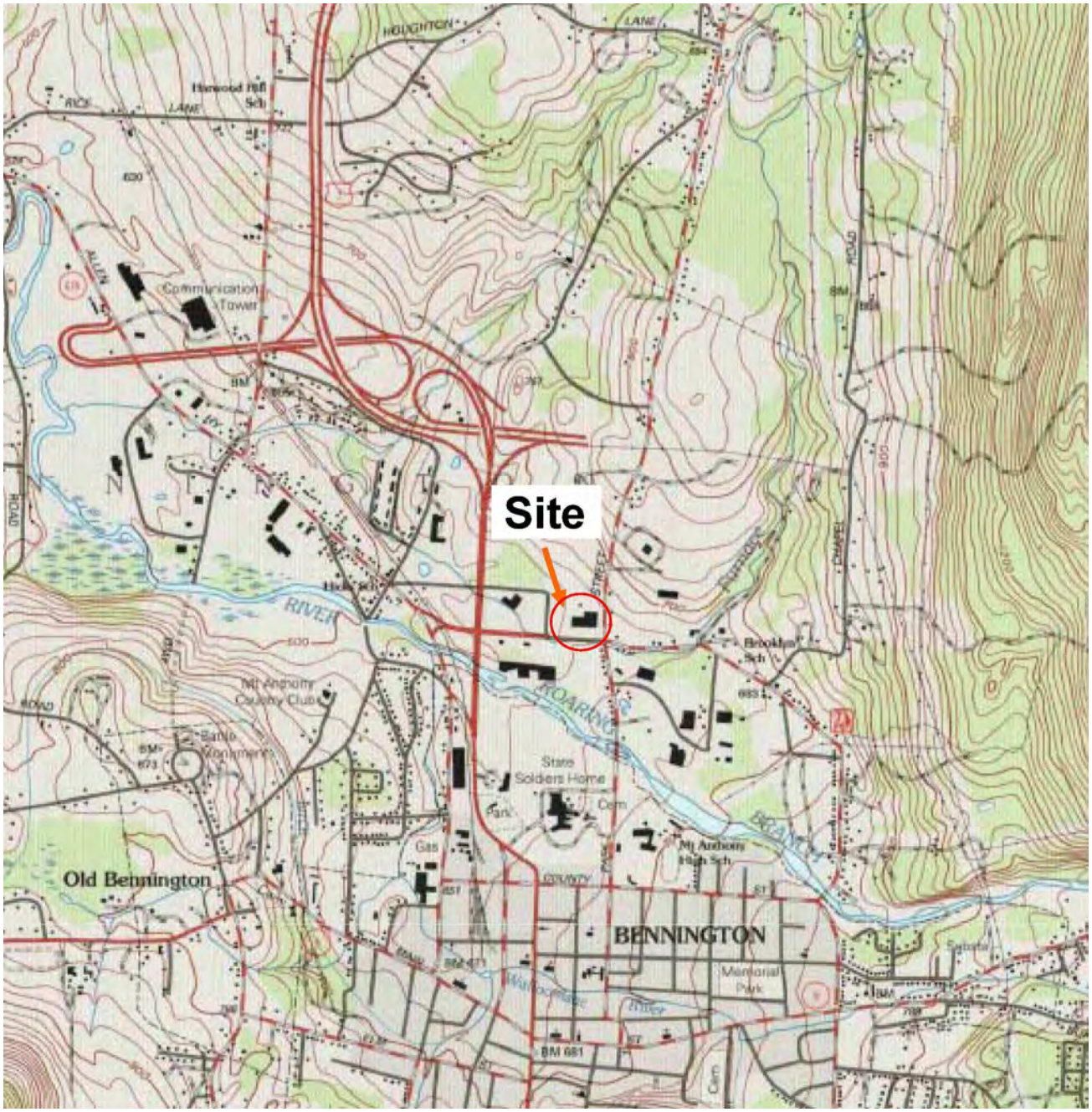
Additional excavation is planned in the two areas containing PAHs above residential screening levels. The result of those excavations and subsequent additional confirmation sampling will be provided to VT SMS in a separate report. A draft notice to the land records will be included in this second report for VT SMS review and approval.

113011Investigation Report Vt Composites VT SMS Site 2011-4213.docx

FIGURES

K:\3-2221-1\CAD\LOCMAP.dwg

SOURCE: SITE LOCATION MAP BY ERM (UNDATED)



N

1 0.5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000

FEET

CONTOUR INTERVAL 20 FEET

VT

MAP LOCATION

BASE MAP: USGS 7.5 Minute Topographic Quadrangle BENNINGTON, VERMONT 1997

FIGURE 1: SITE LOCATION MAP
VERMONT COMPOSITES, INC.
BENNINGTON, VERMONT

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: TJK	Date: 10/26/11
Reviewed by: DMM	Date: 10/26/11
Scale: As Shown	Project: 3-2221-1

LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL SAMPLE LOCATION
- MONITORING WELL LOCATION

N

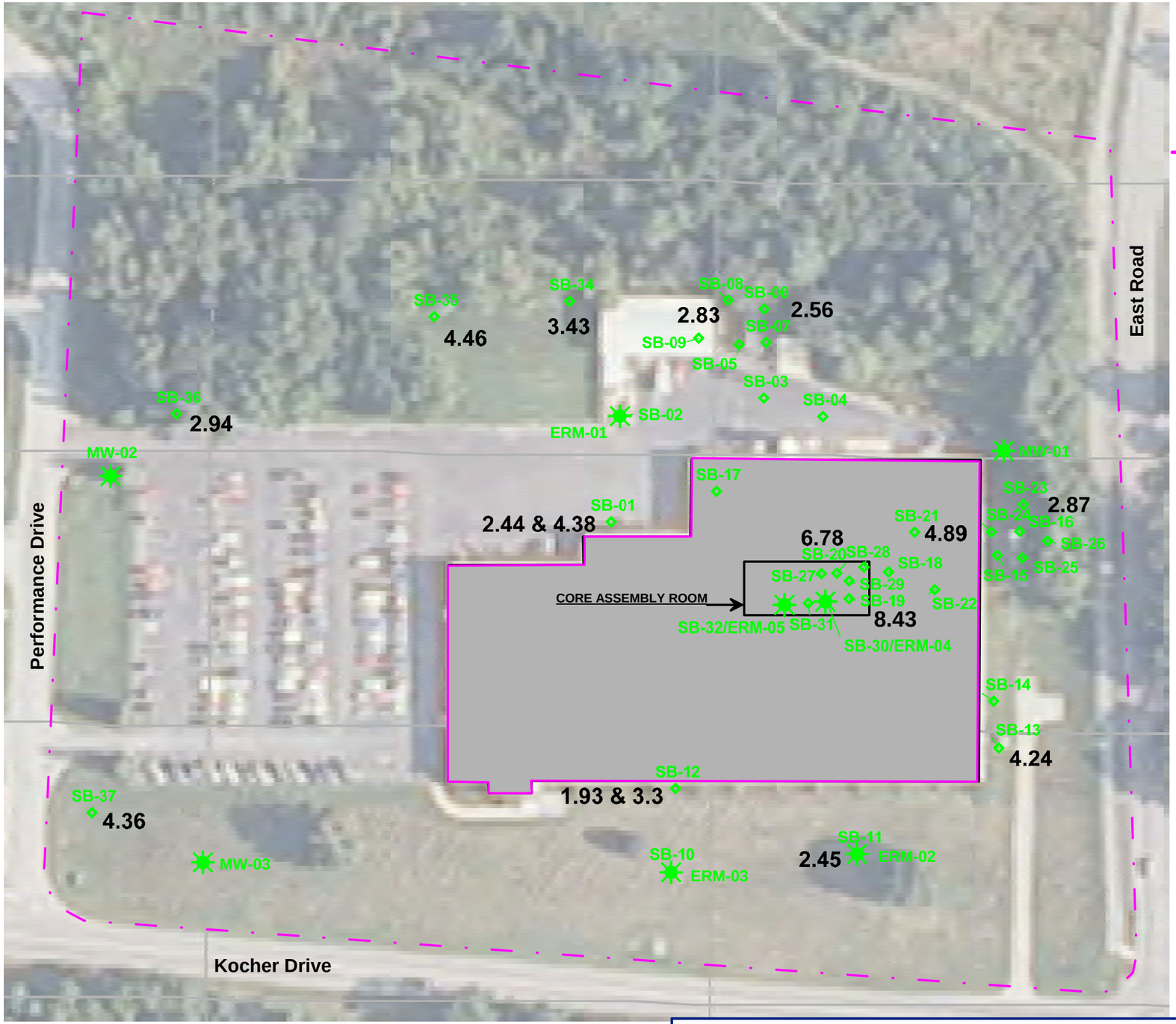
0 25 50 75 100 125 150 175 200
SCALE IN FEET

Some Sample Locations and Analytical Data from ERM
Aerial Photo from NAIP 2009 Orthophoto (VT ANR Website)
FIGURE 2 SITE sketch 102611.srf

FIGURE 2 SITE SKETCH
VERMONT COMPOSITES
25 PERFORMANCE DRIVE
BENNINGTON, VERMONT

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600

Drawn by: DMM	Date: 10/26/2011
Chk'd by: JKM	Date: 10/27/2011
Scale: AS SHOWN	Project: 3-2221-1



LEGEND

- APPROXIMATE PROPERTY LINE
- SOIL SAMPLE LOCATION
- MONITORING WELL LOCATION
- 4.36 ARSENIC CONCENTRATION (MG/KG)

N

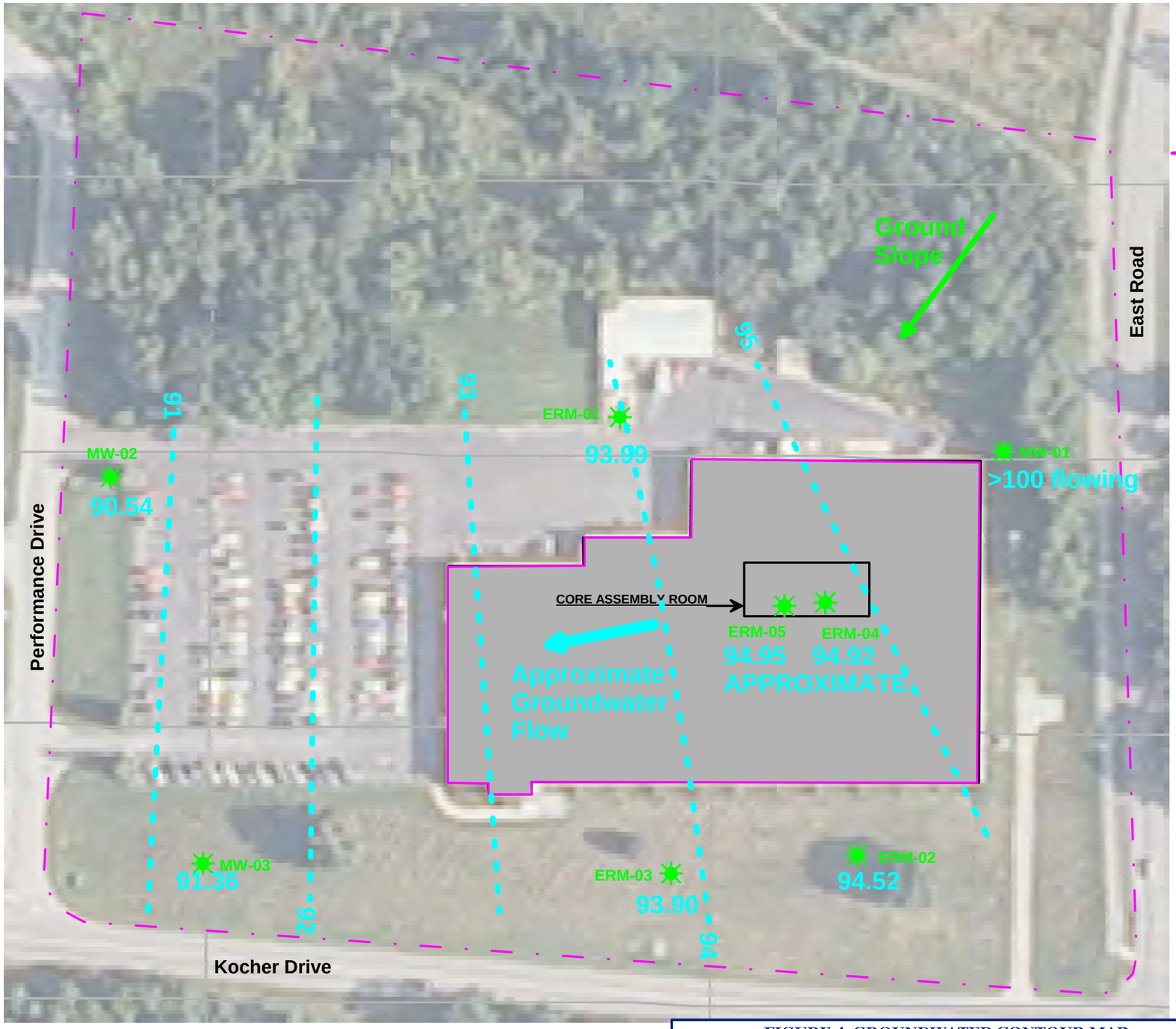
0 25 50 75 100 125 150 175 200
SCALE IN FEET

Some Sample Locations and Analytical Data from ERM
Aerial Photo from NAIP 2009 Orthophoto (VT ANR Website)
Vt Composites Arsenic in soils sketch 102611.srf

FIGURE 3 ARSENIC CONCENTRATIONS IN SOILS
VERMONT COMPOSITES
25 PERFORMANCE DRIVE
BENNINGTON, VERMONT

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600

Drawn by: DMM Date: 10/26/2011
Chk'd by: JKM Date: 10/27/2011
Scale: AS SHOWN Project: 3-2221-1



LEGEND

APPROXIMATE PROPERTY LINE

MONITORING WELL LOCATION

90.54 SEPT 29, 2011 GROUNDWATER ELEVATION (FEET RELATIVE TO ARBITRARY 100 FOOT MW-01 TOP-OF-CASING ELEVATION)

N

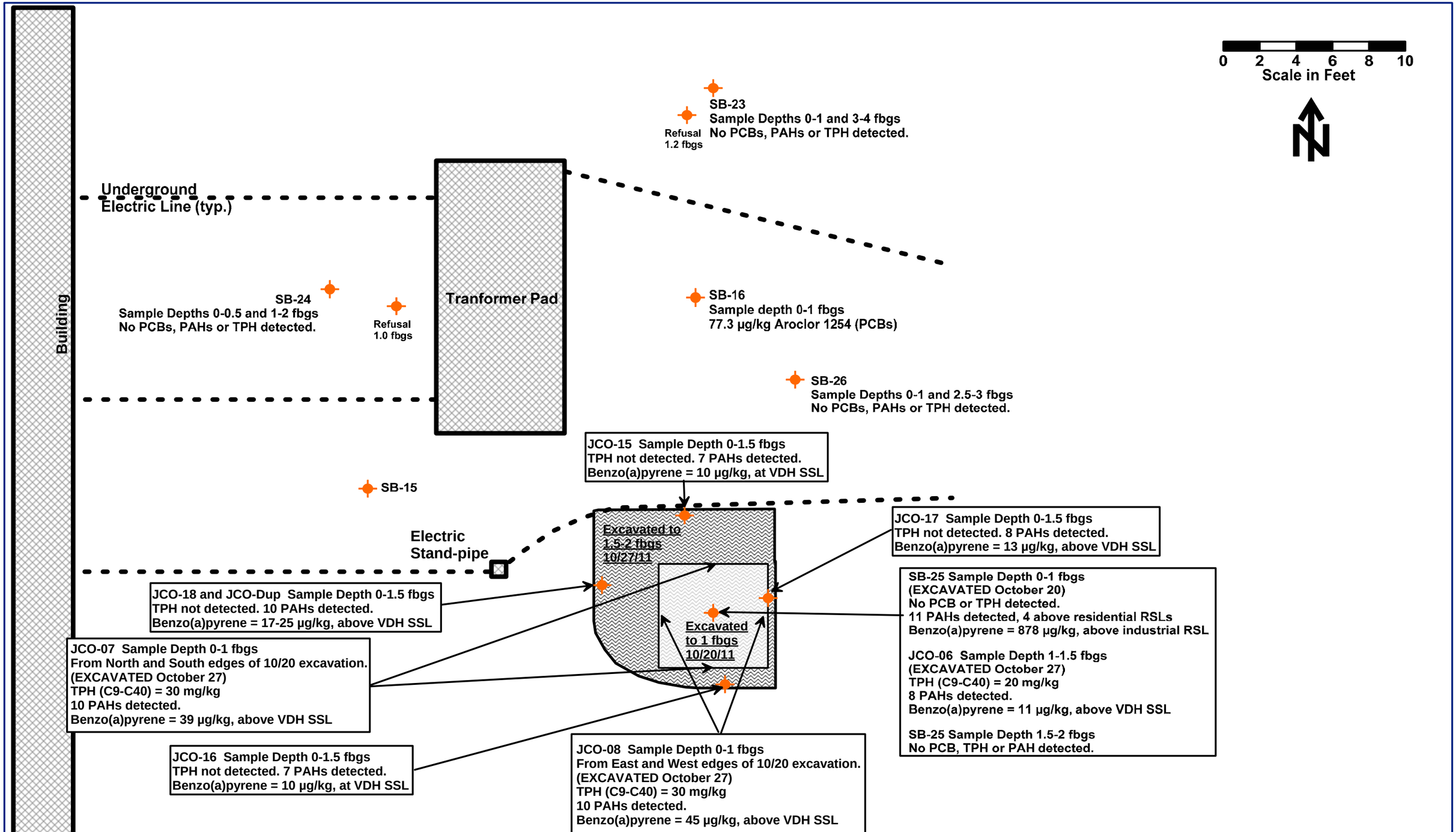
0 25 50 75 100 125 150 175 200
SCALE IN FEET

Some Sample Locations and Analytical Data from ERM
Aerial Photo from NAIP 2009 Orthophoto (VT ANR Website)
GW CONTOURS sketch 102611.srf

FIGURE 4 GROUNDWATER CONTOUR MAP
VERMONT COMPOSITES
25 PERFORMANCE DRIVE
BENNINGTON, VERMONT

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600

Drawn by: DMM Date: 10/26/2011
Chk'd by: JKM Date: 10/27/2011
Scale: AS SHOWN Project: 3-2221-1



Some analytical and location data provided by ERM
Transformer sketch 111111.srf

FIGURE 5 TRANSFORMER AREA PCB, TPH AND PAH RESULTS
VERMONT COMPOSITES
25 PERFORMANCE DRIVE
BENNINGTON, VERMONT

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600

Drawn by: DMM Date: 11/11/2011
Chk'd by: JKM Date: 11/14/2011
Scale: AS SHOWN Project: 3-2221-1

Figure 6
AST Sample Locations and excavation 111111.srf

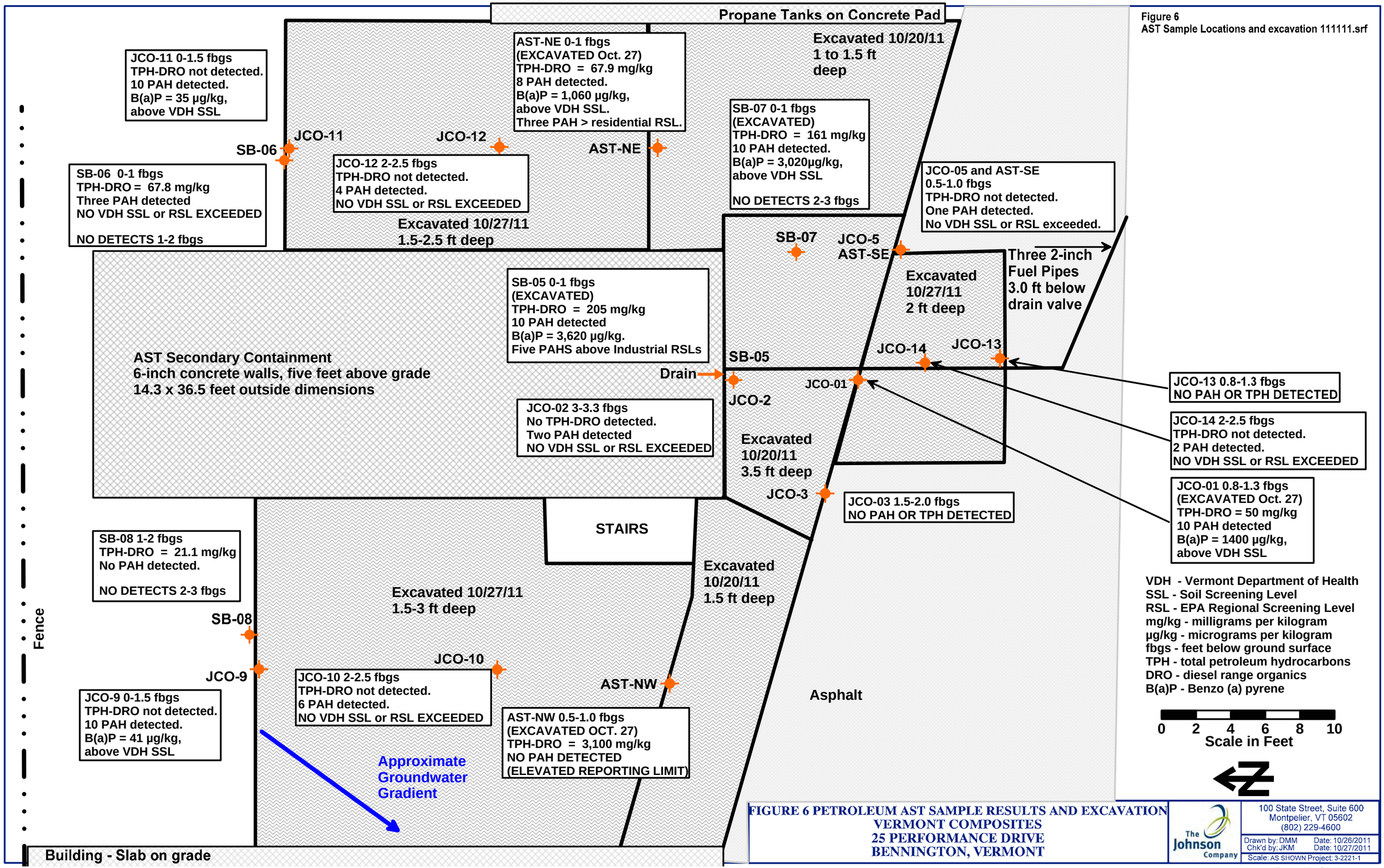


FIGURE 6 PETROLEUM AST SAMPLE RESULTS AND EXCAVATION
VERMONT COMPOSITES
25 PERFORMANCE DRIVE
BENNINGTON, VERMONT

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600

Drawn by: DMM Date: 10/26/2011
Chk'd by: JKM Date: 10/27/2011
Scale: AS SHOWN Project: 3-2221-1

Figure 7 core assembly room sketch 111411.srf

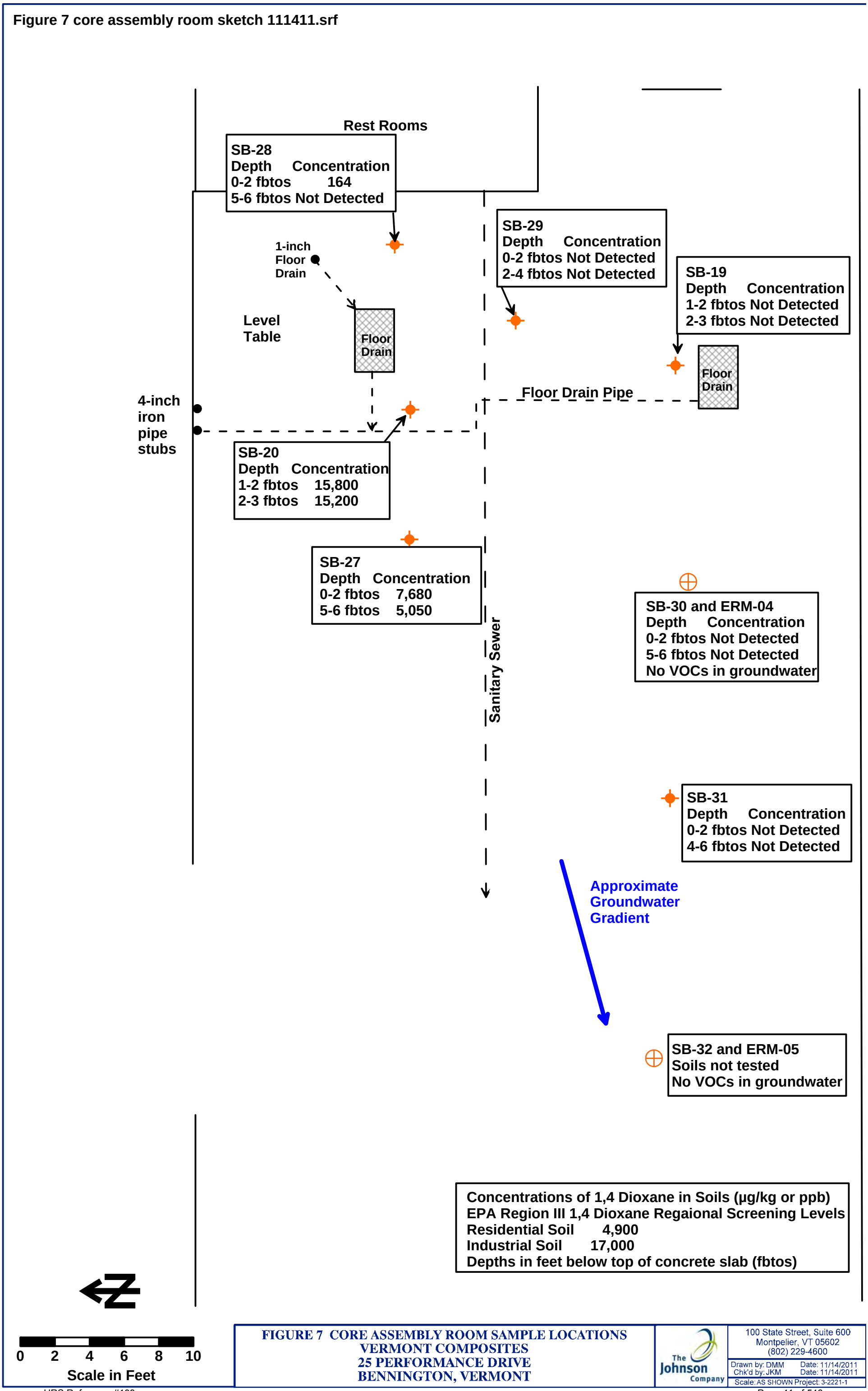


FIGURE 7 CORE ASSEMBLY ROOM SAMPLE LOCATIONS
VERMONT COMPOSITES
25 PERFORMANCE DRIVE
BENNINGTON, VERMONT

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Drawn by: DMM Date: 11/14/2011
Chk'd by: JKM Date: 11/14/2011
Scale: AS SHOWN Project: 3-2221-1

TABLES

Table 1 - GroundwaterAnalytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	VT DEC Preventive Action Levels	ERM-01-20110810-01	ERM-02-20110810-01	ERM-03-20110810-01	ERM-04-20111006-01	ERM-05-20111006-01	MW-01-20110810-01	MW-02-20110810-01	DUP-001-20110810-01	MW-03-20111006-01	TB-01-20110810-01
Laboratory ID		SB33235-06	SB33235-04	SB33235-01	SB36938-01	SB36938-02	SB33235-05	SB33235-07	SB33235-02	SB36938-03	SB33235-03
Sample Date		8/10/2011	8/10/2011	8/10/2011	10/06/2011	10/06/2011	8/10/2011	8/10/2011	8/10/2011	10/06/2011	8/10/2011
Total Petroleum Hydrocarbons (mg/l)											
Fuel Oil #2	NE	NT	BRL	BRL	NT	NT	BRL	BRL	BRL	BRL	NT
Fuel Oil #4	NE	NT	BRL	BRL	NT	NT	BRL	BRL	BRL	BRL	NT
Fuel Oil #6	NE	NT	BRL	BRL	NT	NT	BRL	BRL	BRL	BRL	NT
Motor Oil	NE	NT	BRL	BRL	NT	NT	BRL	BRL	BRL	BRL	NT
Aviation Fuel	NE	NT	BRL	BRL	NT	NT	BRL	BRL	BRL	BRL	NT
Unidentified	NE	NT	BRL	BRL	NT	NT	BRL	BRL	BRL	BRL	NT
Other Oil	NE	NT	BRL	BRL	NT	NT	BRL	BRL	BRL	BRL	NT
Diesel Range Organics (DRO)	NE	NT	BRL	BRL	NT	NT	BRL	BRL	BRL	BRL	NT
Volatile Organic Compounds (µg/l)											
1,1,2-Trichlorotrifluoroethane (Freon 113)	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	350	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acrylonitrile	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzene	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	9	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Butanone (MEK)	2,100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon disulfide	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon tetrachloride	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	50	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	15	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	50	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	50	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromo-3-chloropropane	0.02	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromoethane (EDB)	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	300	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	300	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	37.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane (Freon12)	500	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	35	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	0.7	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	35	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	50	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Table 1 - GroundwaterAnalytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	VT DEC Preventive Action Levels	ERM-01-20110810-01	ERM-02-20110810-01	ERM-03-20110810-01	ERM-04-20111006-01	ERM-05-20111006-01	MW-01-20110810-01	MW-02-20110810-01	DUP-001-20110810-01	MW-03-20111006-01	TB-01-20110810-01
Laboratory ID		SB33235-06	SB33235-04	SB33235-01	SB36938-01	SB36938-02	SB33235-05	SB33235-07	SB33235-02	SB36938-03	SB33235-03
Sample Date		8/10/2011	8/10/2011	8/10/2011	10/06/2011	10/06/2011	8/10/2011	8/10/2011	8/10/2011	10/06/2011	8/10/2011
Ethylbenzene	350	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone (MBK)	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Isopropyltoluene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-butyl ether	20	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Methyl-2-pentanone (MIBK)	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene chloride	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	10	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	50	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	35	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	500	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	35	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trichlorobenzene	20	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	100	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	2.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	0..5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichlorofluoromethane (Freon 11)	1,050	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	2.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl chloride	0.5	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylene	5,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	5,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrahydrofuran	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl ether	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Di-isopropyl ether	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-Butanol / butyl alcohol	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	20	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,4-Dichloro-2-butene	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethanol	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

NT - Not Tested
NE - Not Established
BRL - Below Reported Limits
mg/L - milligrams per liter
µg/L - micrograms per liter
VT DEC - Vermont Department of Environmental Conservation

Table 2 - PCB Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-16-0-1-20110803-01	SB-23-0-1-20110927-1	SB-23-3-4-20110927-1	SB-24-0-0.5-20110927-1	SB-24-1-2-20110927-1	SB-25-0-1-20110928-01	SB-25-1.5-2.0-20110928-01	SB-26-0-1-20110928-01	SB-26-2.5-3.0-20110928-01
Laboratory ID				**SB32792-04RE1**	**SB36292-01**	**SB36292-02**	**SB36292-03**	**SB36292-04**	**SB36355-01**	**SB36355-02**	**SB36355-03**	**SB36355-04**
Sample Date				**8/3/2011**	**9/27/2011**	**9/27/2011**	**9/27/2011**	**9/27/2011**	**9/28/2011**	**9/28/2011**	**9/28/2011**	**9/28/2011**
Polychlorinated Biphenyls (µg/kg)			120									
Aroclor-1016	3,900	21,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1221	140	540	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1232	140	540	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1242	220	740	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1248	220	740	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1254	220	740	NE	**77.3**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1260	220	740	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1262	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aroclor-1268	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

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mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
Calculated As - Most closely matches the unidentified TPH range
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 3 - TPH and PAH Analytical Results - Before Excavation
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-01-0-1-20110802-01	SB-05-0-1-20110802-01	SB-06-0-1-20110802-01	SB-06-1-2-20110802-01	SB-07-0-1-20110802-01	SB-07-2-3-20110802-01	SB-08-0-1-20110802-01	SB-08-2-3-20110802-01	SB-10-0-1-20110802-01	SB-11-0-1-20110802-01	SB-12-0-1-20110802-01
Laboratory ID				SB32755-01	SB32755-09	SB32755-10	SB32755-11	SB32755-12	SB32755-13	SB32755-14	SB32755-15	SB32755-18	SB32755-21	SB32755-23
Sample Date				8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011
Total Petroleum Hydrocarbons (mg/kg)														
Fuel Oil #2	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fuel Oil #4	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fuel Oil #6	NE	NE	NE	BRL	Calculated as	Calculated as	BRL	Calculated as	BRL	BRL	BRL	BRL	BRL	BRL
Motor Oil	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aviation Fuel	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Unidentified	NE	NE	NE	BRL	**205**	**67.8**	BRL	**161**	BRL	**21.1**	BRL	BRL	BRL	**34.3**
Other Oil	NE	NE	NE	BRL	Calculated as	Calculated as	BRL	Calculated as	BRL	Calculated as	BRL	BRL	BRL	Calculated as
Diesel Range Organics (DRO)	NE	NE	NE	BRL	**205**	**67.8**	BRL	**161**	BRL	**21.1**	BRL	BRL	BRL	**34.3**
Polycyclic Aromatic Hydrocarbons (µg/kg)														
Acenaphthene	3,400,000	33,000,000	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	NT
Acenaphthylene	NE	NE	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	NT
Anthracene	17,000,000	170,000,000	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	NT
Benzo (a) anthracene	150	2,100	NE	NT	**2,880**	BRL	BRL	**2,520**	BRL	BRL	BRL	NT	NT	NT
Benzo (a) pyrene	15	210	10	NT	**3,620**	BRL	BRL	**3,020**	BRL	BRL	BRL	NT	NT	NT
Benzo (b) fluoranthene	150	2,100	NE	NT	**3,320**	BRL	BRL	**2,930**	BRL	BRL	BRL	NT	NT	NT
Benzo (g,h,i) perylene	NE	NE	NE	NT	**2,250**	BRL	BRL	**1,580**	BRL	BRL	BRL	NT	NT	NT
Benzo (k) fluoranthene	1,500	21,000	NE	NT	**3,400**	BRL	BRL	**2,570**	BRL	BRL	BRL	NT	NT	NT
Chrysene	15,000	210,000	NE	NT	**3,890**	BRL	BRL	**3,260**	BRL	BRL	BRL	NT	NT	NT
Dibenzo (a,h) anthracene	15	210	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	NT
Fluoranthene	2,300,000	22,000,000	NE	NT	**8,080**	**1,040**	BRL	**6,850**	BRL	BRL	BRL	NT	NT	NT
Fluorene	2,300,000	22,000,000	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	NT
Indeno (1,2,3-cd) pyrene	150	2,100	NE	NT	**2,100**	BRL	BRL	**1,560**	BRL	BRL	BRL	NT	NT	NT
1-Methylnaphthalene	22,000	99,000	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	NT
2-Methylnaphthalene	310,000	4,100,000	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	NT
Naphthalene	3,600	18,000	1,070,000	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	NT
Phenanthrene	NE	NE	NE	NT	**2,610**	**472**	BRL	**2,430**	BRL	BRL	BRL	NT	NT	NT
Pyrene	1,700,000	17,000,000	NE	NT	**6,110**	**775**	BRL	**5,260**	BRL	BRL	BRL	NT	NT	NT

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µg/kg - micrograms per kilogram
Calculated As - Most closely matches the unidentified TPH range
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 3 - TPH and PAH Analytical Results - Before Excavation
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-12-2-3-20110810-01	SB-13-0-1-20110803-01	SB-14-0-1-20110803-01	SB-15-0-1-20110803-01	SB-16-0-1-20110803-01	SB-18-0-120110804-01	SB-19-1-2-20110804-01	SB-20-1-2-20110804-01	SB-21-0-1-20110804-01	SB-22-3-4-20110804-01	SB-22-5-6-20110804-01
Laboratory ID				SB33235-09	SB32792-01RE1	SB32792-02RE1	SB32792-03RE1	SB32792-04RE1	SB33042-01	SB33042-02	SB33042-04RE1	SB33042-06	SB33042-08	SB33042-07
Sample Date				8/10/2011	8/3/2011	8/3/2011	8/3/2011	8/3/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011
Total Petroleum Hydrocarbons (mg/kg)														
Fuel Oil #2	NE	NE	NE	BRL	NT	NT	NT	NT	BRL	BRL	BRL	BRL	BRL	BRL
Fuel Oil #4	NE	NE	NE	BRL	NT	NT	NT	NT	BRL	BRL	BRL	BRL	BRL	BRL
Fuel Oil #6	NE	NE	NE	BRL	NT	NT	NT	NT	BRL	BRL	BRL	BRL	BRL	BRL
Motor Oil	NE	NE	NE	BRL	NT	NT	NT	NT	BRL	BRL	BRL	BRL	BRL	BRL
Aviation Fuel	NE	NE	NE	BRL	NT	NT	NT	NT	BRL	BRL	BRL	BRL	BRL	BRL
Unidentified	NE	NE	NE	BRL	NT	NT	NT	NT	BRL	BRL	BRL	BRL	BRL	BRL
Other Oil	NE	NE	NE	BRL	NT	NT	NT	NT	BRL	BRL	BRL	BRL	BRL	BRL
Diesel Range Organics (DRO)	NE	NE	NE	BRL	NT	NT	NT	NT	BRL	BRL	BRL	BRL	BRL	BRL
Polycyclic Aromatic Hydrocarbons (µg/kg)														
Acenaphthene	3,400,000	33,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Acenaphthylene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Anthracene	17,000,000	170,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Benzo (a) anthracene	150	2,100	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Benzo (a) pyrene	15	210	10	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Benzo (b) fluoranthene	150	2,100	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Benzo (g,h,i) perylene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Benzo (k) fluoranthene	1,500	21,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Chrysene	15,000	210,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Dibenzo (a,h) anthracene	15	210	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Fluoranthene	2,300,000	22,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Fluorene	2,300,000	22,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Indeno (1,2,3-cd) pyrene	150	2,100	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
1-Methylnaphthalene	22,000	99,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
2-Methylnaphthalene	310,000	4,100,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Naphthalene	3,600	18,000	1,070,000	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Phenanthrene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL
Pyrene	1,700,000	17,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	NT	NT	BRL	BRL	BRL

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VDH - Vermont Department of Health
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
Calculated As - Most closely matches the unidentified TPH range
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 3 - TPH and PAH Analytical Results - Before Excavation
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	DUP002-20110802-01	SB-23-0-1-20110927-1	SB-23-3-4-20110927-1	SB-24-0-0.5-20110927-1	SB-24-1-2-20110927-1	SB-25-0-1-20110928-01	SB-25-1.5-2.0-20110928-01	SB-26-0-1-20110928-01	SB-26-2.5-3.0-20110928-01
Laboratory ID				SB32755-20	SB36292-01	SB36292-02	SB36292-03	SB36292-04	SB36355-01	SB36355-02	SB36355-03	SB36355-04
Sample Date				8/2/2011	9/27/2011	9/27/2011	9/27/2011	9/27/2011	9/28/2011	9/28/2011	9/28/2011	9/28/2011
Total Petroleum Hydrocarbons (mg/kg)												
Fuel Oil #2	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fuel Oil #4	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fuel Oil #6	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Motor Oil	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Aviation Fuel	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Unidentified	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Other Oil	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Diesel Range Organics (DRO)	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Polycyclic Aromatic Hydrocarbons (µg/kg)												
Acenaphthene	3,400,000	33,000,000	NE	NT	BRL	BRL	BRL	BRL	**419**	BRL	BRL	BRL
Acenaphthylene	NE	NE	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Anthracene	17,000,000	170,000,000	NE	NT	BRL	BRL	BRL	BRL	**771**	BRL	BRL	BRL
Benzo (a) anthracene	150	2,100	NE	NT	BRL	BRL	BRL	BRL	**1,080**	BRL	BRL	BRL
Benzo (a) pyrene	15	210	10	NT	BRL	BRL	BRL	BRL	**878**	BRL	BRL	BRL
Benzo (b) fluoranthene	150	2,100	NE	NT	BRL	BRL	BRL	BRL	**802**	BRL	BRL	BRL
Benzo (g,h,i) perylene	NE	NE	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzo (k) fluoranthene	1,500	21,000	NE	NT	BRL	BRL	BRL	BRL	560	BRL	BRL	BRL
Chrysene	15,000	210,000	NE	NT	BRL	BRL	BRL	BRL	**1,020**	BRL	BRL	BRL
Dibenzo (a,h) anthracene	15	210	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Fluoranthene	2,300,000	22,000,000	NE	NT	BRL	BRL	BRL	BRL	**3,180**	BRL	BRL	BRL
Fluorene	2,300,000	22,000,000	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Indeno (1,2,3-cd) pyrene	150	2,100	NE	NT	BRL	BRL	BRL	BRL	**408**	BRL	BRL	BRL
1-Methylnaphthalene	22,000	99,000	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Methylnaphthalene	310,000	4,100,000	NE	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	3,600	18,000	1,070,000	NT	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Phenanthrene	NE	NE	NE	NT	BRL	BRL	BRL	BRL	**4,320**	BRL	BRL	BRL
Pyrene	1,700,000	17,000,000	NE	NT	BRL	BRL	BRL	BRL	**2,340**	BRL	BRL	BRL

NT - Not Tested
NE - Not Established
BRL - Below Reported Limits
VDH - Vermont Department of Health
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
Calculated As - Most closely matches the unidentified TPH range
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 4 - VOC Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-01-0-1-20110802-01	SB-02-0-1-20110802-01	SB-03-0-1-20110802-01	SB-04-0-1-20110802-01	SB-05-0-1-20110802-01	SB-06-0-1-20110802-01	SB-07-0-1-20110802-01	SB-08-0-1-20110802-01	SB-09-0-1-20110802-01
Laboratory ID				SB32755-01	SB32755-02RE	SB32755-04RE1	SB32755-07RE1	SB32755-09	SB32755-10	SB32755-12	SB32755-14	SB32755-16
Sample Date				8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011
Volatile Organic Compounds (µg/kg)												
1,1,2-Trichlorotrifluoroethane (Freon 113)	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	61,000,000	630,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acrylonitrile	240	1,200	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzene	1,100	5,400	6,240	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	300,000	1,800,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	160,000	680,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	270	1,400	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	62,000	220,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	7,300	32,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Butanone (MEK)	28,000,000	200,000,000	40,400,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	3,900,000	51,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon disulfide	820,000	3,700,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon tetrachloride	610	3,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	290,000	1,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	290	1,500	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	120,000	500,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromo-3-chloropropane	5.4	69	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	680	3,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromoethane (EDB)	34	170	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	25,000	110,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	1,900,000	9,800,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	2,400	12,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane (Freon12)	94,000	400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	3,300	17,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	430	2,200	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	940	4,700	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	5,400	27,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	6,200	22,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone (MBK)	210,000	1,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Isopropyltoluene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-butyl ether	43,000	220,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Methyl-2-pentanone (MIBK)	5,300,000	53,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene chloride	11,000	53,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	3,600	18,000	1,070,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	3,400,000	21,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	6,300,000	36,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	1,900	9,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	560	2,800	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	550	2,600	800	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	5,000,000	45,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	49,000	490,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	22,000	99,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trichlorobenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	8,700,000	38,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	1,100	5,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	2,800	14,000	860	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichlorofluoromethane (Freon 11)	790,000	3,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	5	95	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	62,000	260,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	780,000	10,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl chloride	60	1,700	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylene	6,000,000	26,500,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	690,000	3,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrahydrofuran	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl ether	16,000,000	200,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Di-isopropyl ether	2,400,000	10,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-Butanol / butyl alcohol	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	4,900	17,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,4-Dichloro-2-butene	6.9	35	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethanol	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

NT - Not Tested NE - Not Established BRL - Below Reported Limits
VDH - Vermont Department of Health
mg/kg - milligrams per kilogram µg/kg - micrograms per kilogram
Bold - Exceeds laboratory reporting limits **Exceeds at least one screening level criteria**

Table 4 - VOC Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-10-0-1-20110802-01	SB-11-0-1-20110802-01	SB-12-0-1-20110802-01	SB-13-0-1-20110803-01	SB-14-0-1-20110803-01	SB-15-0-1-20110803-01	SB-16-0-1-20110803-01	SB-17-5-6-20110803-01
Laboratory ID				SB32755-18	SB32755-21	SB32755-23	SB32792-01RE1	SB32792-02RE1	SB32792-03RE1	SB32792-04RE1	SB32792-06RE1
Sample Date				8/2/2011	8/2/2011	8/2/2011	8/3/2011	8/3/2011	8/3/2011	8/3/2011	8/3/2011
Volatile Organic Compounds (µg/kg)											
1,1,2-Trichlorotrifluoroethane (Freon 113)	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	61,000,000	630,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	**64**
Acrylonitrile	240	1,200	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzene	1,100	5,400	6,240	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	300,000	1,800,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	160,000	680,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	270	1,400	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	62,000	220,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	7,300	32,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Butanone (MEK)	28,000,000	200,000,000	40,400,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	3,900,000	51,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon disulfide	820,000	3,700,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon tetrachloride	610	3,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	290,000	1,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	290	1,500	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	120,000	500,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromo-3-chloropropane	5.4	69	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	680	3,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromoethane (EDB)	34	170	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	25,000	110,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	1,900,000	9,800,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	2,400	12,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane (Freon12)	94,000	400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	3,300	17,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	430	2,200	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	940	4,700	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	5,400	27,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	6,200	22,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone (MBK)	210,000	1,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Isopropyltoluene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-butyl ether	43,000	220,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Methyl-2-pentanone (MIBK)	5,300,000	53,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene chloride	11,000	53,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	3,600	18,000	1,070,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	3,400,000	21,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	6,300,000	36,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	1,900	9,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	560	2,800	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	550	2,600	800	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	5,000,000	45,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	49,000	490,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	22,000	99,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trichlorobenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	8,700,000	38,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	1,100	5,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	2,800	14,000	860	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichlorofluoromethane (Freon 11)	790,000	3,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	5	95	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	62,000	260,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	780,000	10,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl chloride	60	1,700	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylene	6,000,000	26,500,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	690,000	3,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrahydrofuran	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl ether	16,000,000	200,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Di-isopropyl ether	2,400,000	10,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-Butanol / butyl alcohol	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	4,900	17,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,4-Dichloro-2-butene	6.9	35	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethanol	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

NT - Not Tested NE - Not Established BRL - Below Reported Limits
VDH - Vermont Department of Health
mg/kg - milligrams per kilogram µg/kg - micrograms per kilogram
Bold - Exceeds laboratory reporting limits **Exceeds at least one screening level criteria**

Table 4 - VOC Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-18-0-120110804-01	SB-19-1-2-20110804-01	SB-19-2-3-20110804-01	SB-20-1-2-20110804-01	SB-20-2-3-20110804-01	SB-21-0-1-20110804-01	SB-22-3-4-20110804-01	SB-22-5-6-20110804-01	Dup-001-20110802-01	DUP002-20110802-01
Laboratory ID				SB33042-01	SB33042-02	SB33042-03	SB33042-04RE1	SB33042-05	SB33042-06	SB33042-08	SB33042-07	SB32755-06RE1	SB32755-20
Sample Date				8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/4/2011	8/2/2011	8/2/2011
Volatile Organic Compounds (µg/kg)													
1,1,2-Trichlorotrifluoroethane (Freon 113)	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	61,000,000	630,000,000	NE	**244**	BRL	**109**	BRL	**59.2**	**1,200**	**301**	**753**	BRL	BRL
Acrylonitrile	240	1,200	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzene	1,100	5,400	6,240	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	300,000	1,800,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	160,000	680,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	270	1,400	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	62,000	220,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	7,300	32,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Butanone (MEK)	28,000,000	200,000,000	40,400,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	3,900,000	51,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon disulfide	820,000	3,700,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon tetrachloride	610	3,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	290,000	1,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	290	1,500	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	120,000	500,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromo-3-chloropropane	5.4	69	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	680	3,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromoethane (EDB)	34	170	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	25,000	110,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	1,900,000	9,800,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	2,400	12,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane (Freon12)	94,000	400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	3,300	17,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	430	2,200	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	940	4,700	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	5,400	27,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	6,200	22,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone (MBK)	210,000	1,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Isopropyltoluene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-butyl ether	43,000	220,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Methyl-2-pentanone (MIBK)	5,300,000	53,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene chloride	11,000	53,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	3,600	18,000	1,070,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	3,400,000	21,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	6,300,000	36,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	1,900	9,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	560	2,800	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	550	2,600	800	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	5,000,000	45,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	49,000	490,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	22,000	99,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trichlorobenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	8,700,000	38,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	1,100	5,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	2,800	14,000	860	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichlorofluoromethane (Freon 11)	790,000	3,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	5	95	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	62,000	260,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	780,000	10,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl chloride	60	1,700	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylene	6,000,000	26,500,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	690,000	3,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrahydrofuran	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl ether	16,000,000	200,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Di-isopropyl ether	2,400,000	10,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-Butanol / butyl alcohol	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	4,900	17,000	NE	BRL	BRL	BRL	**15,800**	**15,200**	BRL	BRL	BRL	BRL	BRL
trans-1,4-Dichloro-2-butene	6.9	35	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethanol	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

NT - Not Tested NE - Not Established BRL - Below Reported Limits
VDH - Vermont Department of Health
mg/kg - milligrams per kilogram µg/kg - micrograms per kilogram
Bold - Exceeds laboratory reporting limits **Exceeds at least one screening level criteria**

Table 4 - VOC Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-27-0-2-20110928-01	SB-27-5-6-20110928-01	SB-28-0-2-20110927-01	SB-28-4-5-20110927-01	SB-29-0-2-20110928-01	SB-29-2-4-20110928-01	SB-30-0-2-20110929-01	SB-30-5-6-20110929-01
Laboratory ID				SB36355-09	SB36355-10	SB36366-01RE1	SB36366-02RE1	SB36468-01RE1	SB36468-02RE1	SB36468-05RE1	SB36468-06RE1
Sample Date				9/28/2011	9/28/2011	9/27/2011	9/27/2011	9/28/2011	9/28/2011	9/29/2011	9/29/2011
Volatile Organic Compounds (µg/kg)											
1,1,2-Trichlorotrifluoroethane (Freon 113)	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acetone	61,000,000	630,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Acrylonitrile	240	1,200	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Benzene	1,100	5,400	6,240	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromobenzene	300,000	1,800,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromochloromethane	160,000	680,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromodichloromethane	270	1,400	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromoform	62,000	220,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Bromomethane	7,300	32,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Butanone (MEK)	28,000,000	200,000,000	40,400,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Butylbenzene	3,900,000	51,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
sec-Butylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
tert-Butylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon disulfide	820,000	3,700,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Carbon tetrachloride	610	3,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chlorobenzene	290,000	1,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroethane	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloroform	290	1,500	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Chloromethane	120,000	500,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromo-3-chloropropane	5.4	69	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromochloromethane	680	3,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dibromoethane (EDB)	34	170	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dibromomethane	25,000	110,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichlorobenzene	1,900,000	9,800,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichlorobenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dichlorobenzene	2,400	12,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Dichlorodifluoromethane (Freon12)	94,000	400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethane	3,300	17,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloroethane	430	2,200	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,2-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,2-Dichloroethene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2-Dichloropropane	940	4,700	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3-Dichloropropane	1,600,000	20,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2,2-Dichloropropane	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
cis-1,3-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
trans-1,3-Dichloropropene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	5,400	27,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Hexachlorobutadiene	6,200	22,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
2-Hexanone (MBK)	210,000	1,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Isopropyltoluene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methyl tert-butyl ether	43,000	220,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
4-Methyl-2-pentanone (MIBK)	5,300,000	53,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Methylene chloride	11,000	53,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	3,600	18,000	1,070,000	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
n-Propylbenzene	3,400,000	21,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Styrene	6,300,000	36,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	1,900	9,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	560	2,800	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrachloroethene	550	2,600	800	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	5,000,000	45,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichlorobenzene	49,000	490,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trichlorobenzene	22,000	99,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trichlorobenzene	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,1-Trichloroethane	8,700,000	38,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,1,2-Trichloroethane	1,100	5,300	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichloroethene	2,800	14,000	860	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Trichlorofluoromethane (Freon 11)	790,000	3,400,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	5	95	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,2,4-Trimethylbenzene	62,000	260,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,3,5-Trimethylbenzene	780,000	10,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl chloride	60	1,700	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m,p-Xylene	6,000,000	26,500,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	690,000	3,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tetrahydrofuran	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl ether	16,000,000	200,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-amyl methyl ether	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethyl tert-butyl ether	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Di-isopropyl ether	2,400,000	10,000,000	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Tert-Butanol / butyl alcohol	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
1,4-Dioxane	4,900	17,000	NE	**7,680**	**5,050**	**164**	BRL	BRL	BRL	BRL	BRL
trans-1,4-Dichloro-2-butene	6.9	35	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethanol	NE	NE	NE	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

NT - Not Tested NE - Not Established BRL - Below Reported Limits
VDH - Vermont Department of Health
mg/kg - milligrams per kilogram µg/kg - micrograms per kilogram
Bold - Exceeds laboratory reporting limits **Exceeds at least one screening level criteria**

Table 4 - VOC Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-31-0-2-20110929-01	SB-31-4-6-20110929-01
Laboratory ID				SB36468-08RE1	SB36468-09RE1
Sample Date				9/29/2011	9/29/2011
Volatile Organic Compounds (µg/kg)					
1,1,2-Trichlorotrifluoroethane (Freon 113)	NE	NE	NE	BRL	BRL
Acetone	61,000,000	630,000,000	NE	BRL	**51.8**
Acrylonitrile	240	1,200	NE	BRL	BRL
Benzene	1,100	5,400	6,240	BRL	BRL
Bromobenzene	300,000	1,800,000	NE	BRL	BRL
Bromochloromethane	160,000	680,000	NE	BRL	BRL
Bromodichloromethane	270	1,400	NE	BRL	BRL
Bromoform	62,000	220,000	NE	BRL	BRL
Bromomethane	7,300	32,000	NE	BRL	BRL
2-Butanone (MEK)	28,000,000	200,000,000	40,400,000	BRL	BRL
n-Butylbenzene	3,900,000	51,000,000	NE	BRL	BRL
sec-Butylbenzene	NE	NE	NE	BRL	BRL
tert-Butylbenzene	NE	NE	NE	BRL	BRL
Carbon disulfide	820,000	3,700,000	NE	BRL	BRL
Carbon tetrachloride	610	3,000	NE	BRL	BRL
Chlorobenzene	290,000	1,400,000	NE	BRL	BRL
Chloroethane	NE	NE	NE	BRL	BRL
Chloroform	290	1,500	NE	BRL	BRL
Chloromethane	120,000	500,000	NE	BRL	BRL
2-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL
4-Chlorotoluene	1,600,000	20,000,000	NE	BRL	BRL
1,2-Dibromo-3-chloropropane	5.4	69	NE	BRL	BRL
Dibromochloromethane	680	3,300	NE	BRL	BRL
1,2-Dibromoethane (EDB)	34	170	NE	BRL	BRL
Dibromomethane	25,000	110,000	NE	BRL	BRL
1,2-Dichlorobenzene	1,900,000	9,800,000	NE	BRL	BRL
1,3-Dichlorobenzene	NE	NE	NE	BRL	BRL
1,4-Dichlorobenzene	2,400	12,000	NE	BRL	BRL
Dichlorodifluoromethane (Freon12)	94,000	400,000	NE	BRL	BRL
1,1-Dichloroethane	3,300	17,000	NE	BRL	BRL
1,2-Dichloroethane	430	2,200	NE	BRL	BRL
1,1-Dichloroethene	NE	NE	NE	BRL	BRL
cis-1,2-Dichloroethene	NE	NE	NE	BRL	BRL
trans-1,2-Dichloroethene	NE	NE	NE	BRL	BRL
1,2-Dichloropropane	940	4,700	NE	BRL	BRL
1,3-Dichloropropane	1,600,000	20,000,000	NE	BRL	BRL
2,2-Dichloropropane	NE	NE	NE	BRL	BRL
1,1-Dichloropropene	NE	NE	NE	BRL	BRL
cis-1,3-Dichloropropene	NE	NE	NE	BRL	BRL
trans-1,3-Dichloropropene	NE	NE	NE	BRL	BRL
Ethylbenzene	5,400	27,000	NE	BRL	BRL
Hexachlorobutadiene	6,200	22,000	NE	BRL	BRL
2-Hexanone (MBK)	210,000	1,400,000	NE	BRL	BRL
Isopropylbenzene	NE	NE	NE	BRL	BRL
4-Isopropyltoluene	NE	NE	NE	BRL	BRL
Methyl tert-butyl ether	43,000	220,000	NE	BRL	BRL
4-Methyl-2-pentanone (MIBK)	5,300,000	53,000,000	NE	BRL	BRL
Methylene chloride	11,000	53,000	NE	BRL	BRL
Naphthalene	3,600	18,000	1,070,000	BRL	BRL
n-Propylbenzene	3,400,000	21,000,000	NE	BRL	BRL
Styrene	6,300,000	36,000,000	NE	BRL	BRL
1,1,1,2-Tetrachloroethane	1,900	9,300	NE	BRL	BRL
1,1,2,2-Tetrachloroethane	560	2,800	NE	BRL	BRL
Tetrachloroethene	550	2,600	800	BRL	BRL
Toluene	5,000,000	45,000,000	NE	BRL	BRL
1,2,3-Trichlorobenzene	49,000	490,000	NE	BRL	BRL
1,2,4-Trichlorobenzene	22,000	99,000	NE	BRL	BRL
1,3,5-Trichlorobenzene	NE	NE	NE	BRL	BRL
1,1,1-Trichloroethane	8,700,000	38,000,000	NE	BRL	BRL
1,1,2-Trichloroethane	1,100	5,300	NE	BRL	BRL
Trichloroethene	2,800	14,000	860	BRL	BRL
Trichlorofluoromethane (Freon 11)	790,000	3,400,000	NE	BRL	BRL
1,2,3-Trichloropropane	5	95	NE	BRL	BRL
1,2,4-Trimethylbenzene	62,000	260,000	NE	BRL	BRL
1,3,5-Trimethylbenzene	780,000	10,000,000	NE	BRL	BRL
Vinyl chloride	60	1,700	NE	BRL	BRL
m,p-Xylene	6,000,000	26,500,000	NE	BRL	BRL
o-Xylene	690,000	3,000,000	NE	BRL	BRL
Tetrahydrofuran	NE	NE	NE	BRL	BRL
Ethyl ether	16,000,000	200,000,000	NE	BRL	BRL
Tert-amyl methyl ether	NE	NE	NE	BRL	BRL
Ethyl tert-butyl ether	NE	NE	NE	BRL	BRL
Di-isopropyl ether	2,400,000	10,000,000	NE	BRL	BRL
Tert-Butanol / butyl alcohol	NE	NE	NE	BRL	BRL
1,4-Dioxane	4,900	17,000	NE	BRL	BRL
trans-1,4-Dichloro-2-butene	6.9	35	NE	BRL	BRL
Ethanol	NE	NE	NE	BRL	BRL

NT - Not Tested NE - Not Established BRL - Below Reported Limits
VDH - Vermont Department of Health
mg/kg - milligrams per kilogram µg/kg - micrograms per kilogram
Bold - Exceeds laboratory reporting limits **Exceeds at least one screening level criteria**

Table 5 - Metals Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-01-0-1-20110802-01	SB-01-2-3-20110810-01	SB-06-1-2-20110802-01	SB-08-2-3-20110802-01	SB-11-0-1-20110802-01	SB-12-0-1-20110802-01	SB-12-2-3-20110810-01	SB-13-0-1-20110803-01	SB-16-0-1-20110803-01	SB-19-1-2-20110804-01	SB-20-1-2-20110804-01	SB-21-0-1-20110804-01
Laboratory ID				SB32755-01	SB33235-08	SB32755-11	SB32755-15	SB32755-21	SB32755-23	SB33235-09	SB32792-01RE1	SB32792-04RE1	SB33042-02	SB33042-04RE1	SB33042-06
Sample Date				8/2/2011	8/10/2011	8/2/2011	8/2/2011	8/2/2011	8/2/2011	8/10/2011	8/3/2011	8/3/2011	8/4/2011	8/4/2011	8/4/2011
Total Metals (mg/kg)															
Aluminum	77,000	990,000	NE	**2,130**	NT	NT	NT	NT	**5,130**	NT	NT	NT	**2,390**	**1,600**	NT
Antimony	31	410	NE	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	BRL	BRL	NT
Nickel	1,500	20,000	NE	**6.21**	NT	NT	NT	NT	**6.40**	NT	NT	NT	**9.23**	**8.51**	NT
Selenium	390	5,100	NE	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	BRL	BRL	NT
Silver	390	5,100	NE	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	BRL	BRL	NT
Thallium	0.78	10	NE	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	BRL	BRL	NT
Zinc	23,000	310,000	NE	**30.6**	NT	NT	NT	NT	**43**	NT	NT	NT	**24.3**	**23.9**	NT
Arsenic	0.39	1.6	NE	**4.38**	**2.44**	**2.56**	**2.83**	**2.45**	**3.3**	**1.93**	**4.24**	**2.87**	**8.43**	**6.78**	**4.89**
Beryllium	160	2,000	NE	BRL	NT	NT	NT	NT	BRL	NT	NT	NT	BRL	BRL	NT
Cadmium	70	800	34.5	**0.899**	NT	NT	NT	NT	**0.707**	NT	NT	NT	BRL	BRL	NT
Total, Chromium	NE	NE	NE	**3.83**	NT	NT	NT	NT	**6.06**	NT	NT	NT	**3.85**	**4.62**	NT
Copper	3,100	41,000	NE	**17.4**	NT	NT	NT	NT	**6.41**	NT	NT	NT	**13.5**	**21.6**	NT
Lead	400	800	NE	**8.17**	NT	NT	NT	NT	**18.4**	NT	NT	NT	**6.41**	**7.3**	NT
Mercury	10	43	NE	BRL	NT	NT	NT	NT	**0.0478**	NT	NT	NT	BRL	BRL	NT

NT - Not Tested
NE - Not Established
BRL - Below Reported Limits
VDH - Vermont Department of Health
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 5 - Metals Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH Screening Levels	SB-34-1-2-20110928-01	SB-35-1-2-20110928-01	SB-36-1-2-20110928-01	SB-37-1-2-20110929-01
Laboratory ID				**SB36355-06**	**SB36355-07**	**SB36355-08**	**SB36468-04**
Sample Date				**9/28/2011**	**9/28/2011**	**9/28/2011**	**9/29/2011**
Total Metals (mg/kg)							
Aluminum	77,000	990,000	NE	NT	NT	NT	NT
Antimony	31	410	NE	NT	NT	NT	NT
Nickel	1,500	20,000	NE	NT	NT	NT	NT
Selenium	390	5,100	NE	NT	NT	NT	NT
Silver	390	5,100	NE	NT	NT	NT	NT
Thallium	0.78	10	NE	NT	NT	NT	NT
Zinc	23,000	310,000	NE	NT	NT	NT	NT
Arsenic	0.39	1.6	NE	**3.43**	**4.46**	**2.94**	**4.36**
Beryllium	160	2,000	NE	NT	NT	NT	NT
Cadmium	70	800	34.5	NT	NT	NT	NT
Total, Chromium	NE	NE	NE	NT	NT	NT	NT
Copper	3,100	41,000	NE	NT	NT	NT	NT
Lead	400	800	NE	NT	NT	NT	NT
Mercury	10	43	NE	NT	NT	NT	NT

NT - Not Tested
NE - Not Established
BRL - Below Reported Limits
VDH - Vermont Department of Health
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 6 - Confirmation Sample TPH and PAH Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH or VT SMS Screening / Guidence Levels	AST-NE	AST-NW	AST-SE (duplicate of JCO-5)	JC01	JC02
Laboratory				Spectrum Anal.	Spectrum Anal.	Spectrum Anal.	EAI	EAI
Sample Date				10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011
AREA OF CONCERN				**AST**	**AST**	**AST**	**AST**	**AST**
DISPOSITION OF SOILS REPRESENTED BY SAMPLE				**EXCAVATED**	**EXCAVATED**	**IN-PLACE**	**EXCAVATED**	**IN-PLACE**
Total Petroleum Hydrocarbons (mg/kg - milligrams per kilogram - or ppm)								
Fuel Oil #2	NE	NE	200/1,000	<30.9	<74.2	<14.0	NT	NT
TPH (C9-C40)	NE	NE	200/1,000	NT	NT	NT	**50**	< 20
Diesel Range Organics (DRO)	NE	NE	200/1,000	**67.9**	**3100**	<14.0	NT	NT
Polycyclic Aromatic Hydrocarbons (µg/kg- micrograms per kilogram - or ppb)								
Acenaphthene	3,400,000	33,000,000	NE	<768	<7340	<348	**64**	<8
Acenaphthylene	NE	NE	NE	<768	<7340	<348	**12**	<8
Anthracene	17,000,000	170,000,000	NE	<768	<7340	<348	**330**	<8
Benzo (a) anthracene	150	2,100	NE	**966**	<7340	<348	**1300**	<8
Benzo (a) pyrene	15	210	10	**1060**	<7340	<348	**1400**	<8
Benzo (b) fluoranthene	150	2,100	NE	**1110**	<7340	<348	**1800**	<8
Benzo (g,h,i) perylene	NE	NE	NE	<768	<7340	<348	**1000**	<8
Benzo (k) fluoranthene	1,500	21,000	NE	**971**	<7340	<348	**690**	<8
Chrysene	15,000	210,000	NE	**1210**	<7340	<348	**1500**	<8
Dibenzo (a,h) anthracene	15	210	NE	<768	<7340	<348	**250**	<8
Fluoranthene	2,300,000	22,000,000	NE	**3220**	<7340	<348	**2600**	**13**
Fluorene	2,300,000	22,000,000	NE	<768	<7340	<348	**88**	<8
Indeno (1,2,3-cd) pyrene	150	2,100	NE	<768	<7340	<348	**1100**	<8
1-Methylnaphthalene	22,000	99,000	NE	<768	<7340	<348	NT	NT
2-Methylnaphthalene	310,000	4,100,000	NE	<768	<7340	<348	**9**	<8
Naphthalene	3,600	18,000	1,070,000	<768	<7340	<348	**9**	<8
Phenanthrene	NE	NE	NE	**1080**	<7340	<348	**1200**	<8
Pyrene	1,700,000	17,000,000	NE	**2180**	<7340	<348	**2200**	**12**

NT - Not Tested
NE - Not Established

< - Not detected, associated value is reporting limit
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 6 - Confirmation Sample TPH and PAH Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH or VT SMS Screening / Guidence Levels	JC03	JC05 (duplicate of AST-SE)	JC06	JC07	JC08
Laboratory				EAI	EAI	EAI	EAI	EAI
Sample Date				10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011
AREA OF CONCERN				**AST**	**AST**	**SB-25**	**SB-25**	**SB-25**
DISPOSITION OF SOILS REPRESENTED BY SAMPLE				**IN-PLACE**	**IN-PLACE**	**EXCAVATED**	**EXCAVATED**	**EXCAVATED**
Total Petroleum Hydrocarbons (mg/kg - milligrams per kilogram - or ppm)								
Fuel Oil #2	NE	NE	200/1,000	NT	NT	NT	NT	NT
TPH (C9-C40)	NE	NE	200/1,000	< 20	< 13	**20**	**30**	**30**
Diesel Range Organics (DRO)	NE	NE	200/1,000	NT	NT	NT	NT	NT
Polycyclic Aromatic Hydrocarbons (µg/kg- micrograms per kilogram - or ppb)								
Acenaphthene	3,400,000	33,000,000	NE	<8	<7	<8	<8	<8
Acenaphthylene	NE	NE	NE	<8	<7	<8	<8	<8
Anthracene	17,000,000	170,000,000	NE	<8	<7	<8	<8	<8
Benzo (a) anthracene	150	2,100	NE	<8	<7	**12**	**30**	**36**
Benzo (a) pyrene	15	210	10	<8	<7	**11**	**39**	**45**
Benzo (b) fluoranthene	150	2,100	NE	<8	<7	**16**	**54**	**66**
Benzo (g,h,i) perylene	NE	NE	NE	<8	<7	**8**	**30**	**32**
Benzo (k) fluoranthene	1,500	21,000	NE	<8	<7	<8	**23**	**25**
Chrysene	15,000	210,000	NE	<8	<7	**11**	**39**	**44**
Dibenzo (a,h) anthracene	15	210	NE	<8	<7	<8	<8	<8
Fluoranthene	2,300,000	22,000,000	NE	<8	**8**	**21**	**70**	**87**
Fluorene	2,300,000	22,000,000	NE	<8	<7	<8	<8	<8
Indeno (1,2,3-cd) pyrene	150	2,100	NE	<8	<7	**10**	**33**	**37**
1-Methylnaphthalene	22,000	99,000	NE	NT	NT	NT	NT	NT
2-Methylnaphthalene	310,000	4,100,000	NE	<8	<7	<8	<8	<8
Naphthalene	3,600	18,000	1,070,000	<8	<7	<8	<8	<8
Phenanthrene	NE	NE	NE	<8	<7	<8	**19**	**25**
Pyrene	1,700,000	17,000,000	NE	<8	<7	**18**	**57**	**71**

NT - Not Tested
NE - Not Established

< - Not detected, associated value is reporting limit
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 6 - Confirmation Sample TPH and PAH Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH or VT SMS Screening / Guidence Levels	JCO-9	JCO-10	JCO-11	JCO-12	JCO-13	JCO-14
Laboratory				EAI	EAI	EAI	EAI	EAI	EAI
Sample Date				10/27/2011	10/27/2011	10/27/2011	10/27/2011	10/27/2011	10/27/2011
AREA OF CONCERN				**AST**	**AST**	**AST**	**AST**	**AST**	**AST**
DISPOSITION OF SOILS REPRESENTED BY SAMPLE				**IN-PLACE**	**IN-PLACE**	**IN-PLACE**	**IN-PLACE**	**IN-PLACE**	**IN-PLACE**
Total Petroleum Hydrocarbons (mg/kg - milligrams per kilogram - or ppm)									
Fuel Oil #2	NE	NE	200/1,000	NT	NT	NT	NT	NT	NT
TPH (C9-C40)	NE	NE	200/1,000	< 20	< 20	< 20	< 20	< 20	< 20
Diesel Range Organics (DRO)	NE	NE	200/1,000	NT	NT	NT	NT	NT	NT
Polycyclic Aromatic Hydrocarbons (µg/kg- micrograms per kilogram - or ppb)									
Acenaphthene	3,400,000	33,000,000	NE	<8	<7	<8	<8	<7	<7
Acenaphthylene	NE	NE	NE	<8	<7	<8	<8	<7	<7
Anthracene	17,000,000	170,000,000	NE	<8	<7	<8	<7	<7	<7
Benzo (a) anthracene	150	2,100	NE	**39**	**12**	**36**	**11**	<7	<7
Benzo (a) pyrene	15	210	10	**41**	**9**	**35**	<8	<7	<7
Benzo (b) fluoranthene	150	2,100	NE	**60**	**11**	**56**	**10**	<7	<7
Benzo (g,h,i) perylene	NE	NE	NE	**28**	<7	**29**	<8	<7	<7
Benzo (k) fluoranthene	1,500	21,000	NE	**26**	<7	**29**	<8	<7	<7
Chrysene	15,000	210,000	NE	**47**	**8**	**58**	<8	<7	<7
Dibenzo (a,h) anthracene	15	210	NE	<8	<7	**9**	<8	<7	<7
Fluoranthene	2,300,000	22,000,000	NE	**100**	**15**	**150**	**13**	<7	**11**
Fluorene	2,300,000	22,000,000	NE	<8	<7	<8	<8	<7	<7
Indeno (1,2,3-cd) pyrene	150	2,100	NE	**32**	<7	**33**	<8	<7	<7
1-Methylnaphthalene	22,000	99,000	NE	NT	NT	NT	NT	NT	NT
2-Methylnaphthalene	310,000	4,100,000	NE	<8	<7	<8	<8	<7	<7
Naphthalene	3,600	18,000	1,070,000	<8	<7	<8	<8	<7	<7
Phenanthrene	NE	NE	NE	**30**	<7	**61**	<7	<7	<7
Pyrene	1,700,000	17,000,000	NE	**83**	**15**	**98**	**13**	<7	**8**

NT - Not Tested
NE - Not Established

< - Not detected, associated value is reporting limit
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

Table 6 - Confirmation Sample TPH and PAH Analytical Results
25 Performance Drive, Bennington, Vermont

Sample Location	EPA Region III Screening Levels - Residential Soil	EPA Region III Screening Levels - Industrial Soil	VDH or VT SMS Screening / Guidence Levels	JCO-15	JCO-16	JCO-17	JCO-18	JCO-Dup (Parant JCO-18)
Laboratory				EAI	EAI	EAI	EAI	EAI
Sample Date				10/27/2011	10/27/2011	10/27/2011	10/27/2011	10/27/2011
AREA OF CONCERN				**SB-25**	**SB-25**	**SB-25**	**SB-25**	**SB-25**
DISPOSITION OF SOILS REPRESENTED BY SAMPLE				**IN-PLACE**	**IN-PLACE**	**IN-PLACE**	**IN-PLACE**	**IN-PLACE**
Total Petroleum Hydrocarbons (mg/kg - milligrams per kilogram - or ppm)								
Fuel Oil #2	NE	NE	200/1,000	NT	NT	NT	NT	NT
TPH (C9-C40)	NE	NE	200/1,000	< 20	< 20	< 20	< 20	< 20
Diesel Range Organics (DRO)	NE	NE	200/1,000	NT	NT	NT	NT	NT
Polycyclic Aromatic Hydrocarbons (µg/kg- micrograms per kilogram - or ppb)								
Acenaphthene	3,400,000	33,000,000	NE	<8	<8	<8	<8	<8
Acenaphthylene	NE	NE	NE	<8	<8	<8	<8	<8
Anthracene	17,000,000	170,000,000	NE	<8	<8	<8	<8	<8
Benzo (a) anthracene	150	2,100	NE	**11**	**11**	**13**	**16**	**23**
Benzo (a) pyrene	15	210	10	**10**	**10**	**13**	**17**	**25**
Benzo (b) fluoranthene	150	2,100	NE	**13**	**14**	**17**	**25**	**37**
Benzo (g,h,i) perylene	NE	NE	NE	<8	<8	**10**	**13**	**18**
Benzo (k) fluoranthene	1,500	21,000	NE	<8	<8	<8	**10**	**14**
Chrysene	15,000	210,000	NE	**8**	**9**	**11**	**17**	**23**
Dibenzo (a,h) anthracene	15	210	NE	<8	<8	<8	<8	<8
Fluoranthene	2,300,000	22,000,000	NE	**17**	**17**	**20**	**35**	**48**
Fluorene	2,300,000	22,000,000	NE	<8	<8	<8	<8	<8
Indeno (1,2,3-cd) pyrene	150	2,100	NE	**8**	**8**	**11**	**14**	**21**
1-Methylnaphthalene	22,000	99,000	NE	NT	NT	NT	NT	NT
2-Methylnaphthalene	310,000	4,100,000	NE	<8	<8	<8	<8	<8
Naphthalene	3,600	18,000	1,070,000	<8	<8	<8	<8	<8
Phenanthrene	NE	NE	NE	<8	<8	<8	**11**	**14**
Pyrene	1,700,000	17,000,000	NE	**16**	**16**	**16**	**30**	**42**

NT - Not Tested
NE - Not Established

< - Not detected, associated value is reporting limit
Bold - Exceeds laboratory reporting limits

Exceeds at least one screening level criteria

ATTACHMENT 1

CORRESPONDANCE AND DOCUMENTATION

Vermont Composites, Inc.
25 Performance Drive
Bennington, VT 05201-1947
(802) 442-9964
Fax: (802) 447-3642
www.vtcomposites.com

August 30, 2011

Department of Environmental Conservation
Spill Reporting Department
103 South Main St.
Waterbury, VT 05671

To Spill Reporting Department:

In connection with certain due diligence assessments, a Phase II Environmental Assessment ("ESA") was performed at the Vermont Composites' property located at 25 Performance Drive, Bennington, Vermont. The Phase II identified two (2) reportable conditions that were brought to our attention.

The first environment condition was the detection of PCB Aroclor 1254 in the first foot horizon of the surficial soil. This sample was taken adjacent to an existing transformer.

The second environmental condition was the detection of elevated PAH's in shallow soil samples from around a fuel oil containment cell. Deeper samples in the same area also detected PAHs but not above the RQ's.

These appear to be localized environmental conditions that are contained to surficial soils that can be excavated. Our plan is to promptly commence remediation activities and report the results to you as soon as remediation is successfully completed.

Please note that we reported these two conditions on the agency's voice mail system today. However, given the recent hurricane, we were unable to speak with someone directly or to log on to the agency's website. Accordingly, we submit this letter as a follow-up to our voice mail from earlier today.

As a courtesy, we are also providing a copy of this correspondence to Ms. Kim Tisa – Regional PCB Coordinator – Region 1 EPA.

Respectfully,

Matt Schade

Environmental, Heath and Safety Officer

AS 9100 & ISO 9001
Certificate No.
FM 503923
FM 40073

Appendix A

Waste Management Division
103 South Main Street/West Office
Waterbury, Vermont 05671-0404
(802) 241-3888, FAX (802) 241-3296

SITE INVESTIGATION EXPRESSWAY NOTIFICATION FORM

Site Owner: Vermont Composites, Patrick Wheeler, President and CEO; Pat.Wheeler@vtcomposites.com

Site Name, Town: Vermont Composites, 25 Performance Dr., Bennington, VT

_X_ **Yes, this site will participate in the Site Investigation Expressway Process.**
(for #2 Fuel Oil AST related release)

__ **No, this site will not participate in the Site Investigation Expressway Process.**

If yes, please complete the checklist below:

- **Contamination present in soils above action levels** _X_ **Yes** __ **No**

If yes, summarize levels:
Several PAHs were detected in shallow soils (SB-05)near the fill spout above industrial EPA RSLs.
TPH was detected in one sample (SB-05) at 205 ppm.

- **Free product observed** __ **Yes** _X_ **No**
- **Groundwater contamination observed** __ **Yes** _X_ **No**
- **Surface water contamination observed** __ **Yes** _X_ **No**
- **Suspected release of hazardous substances** _X_ **Yes** __ **No**

If yes, please explain:
Suspected historical incidental spills of #2 fuel oil during re-fueling of Above Ground Storage Tank used for heating purposes.

- **Affected receptors** _X_ **Yes** __ **No**

If yes, please identify receptors including names and addresses of third party receptors:
On-site shallow soils are the only affected receptor, and they are limited in extent due to adjacent buildings, the concrete secondary containment structure and an asphalt parking lot.

Please provide an estimated date of when you expect to submit Site Investigation Report: October 21, 2011

Owner's Signature/Date: Patrick J Wheeler 9/28/2011 **Consultant's Signature/Date:** 9/28/11 Donald Maynard

VERMONT

AGENCY OF NATURAL RESOURCES

State of Vermont
Department of Environmental Conservation
Waste Management Division
103 South Main Street/West Building
Waterbury, VT 05671-0404
(802) 241-3879
FAX (802) 241-3296
michael.b.smith@state.vt.us

30 September 2011

Mr. Patrick Wheeler
Vermont Composites
25 Performance Drive
Bennington, Vermont 05201

Sent by EMAIL Only

Dear Mr. Wheeler:

The Sites Management Section (SMS) of the Department of Environmental Conservation, Waste Management Division has been informed of the presence of petroleum fuel oil related, 1,4 Dioxane, and possible PCB contamination of soils at the Vermont Composites facility located at 25 Performance Drive in Bennington VT. Arsenic was also found in shallow soils at this facility.

Based on the reported information, the SMS has added this property to our hazardous sites list and has assigned the site the name: Vermont Composites, and the hazardous site number: 20114213. The SMS has also determined additional work is necessary to establish the severity of the contamination and to determine if it poses any threat to human health or the environment. The SMS requests that the Vermont Composites continue to retain the services of a qualified environmental consultant to perform the following:

Further define the degree and extent of surficial and subsurface soil contamination.

Determine the degree and extent of contamination, to groundwater if any. Existing monitoring well and new monitoring wells as necessary shall be sampled and installed to determine if groundwater below the facility is contaminated and if contamination is present, adequately define the severity of site contamination and potential for the contamination to migrate off site. Analyze groundwater samples for Chlorinated Solvents and other contaminants as appropriate.

Assess the potential for contaminant impact on sensitive receptors. Base this update on all available information and include basements of adjacent buildings, nearby surface water, any proximal drinking water sources, wetlands, sensitive ecologic areas, outdoor or indoor air, sewers, or utility corridors as appropriate to the site.

Determine the need for long-term treatment and/or monitoring that addresses the contamination.

The investigation must follow the process detailed in the SMS Site Investigation Procedures.

Submit a summary report that outlines the work performed, as well as provides conclusions and recommendations. This report must follow the format detailed in the SMS Site Investigation Procedures.

I am including the internet link to the Site Investigation Procedures:
http://www.anr.state.vt.us/dec/wastediv/sms/pubs/SI_Procedures.pdf

I have also including a link to a document called "Improving Site Investigation". This may help to explain or answer questions about the site investigation process.
http://www.anr.state.vt.us/dec/wastediv/sms/pubs/ImprovingSI.pdf

Please note that we have been working with your consultant, the Johnson Company, and have received a number of work plans detailing work proposed to assess the contamination present at this site. The SMS will consider this ongoing work with your consultant as the initial work necessary to fulfill the requirement to conduct a site investigation as detailed above. If the investigations demonstrate that contamination is more widespread than we presently believe, we reserve the right to require that the site inspections be expanded as necessary to fully delineate the contamination.

The information that the SMS has received indicates that there is an area of soil contamination related to intermittent spills that occurred in the vicinity of an above ground storage tank. Your consultant, the Johnson Company, has submitted a form proposing to excavate shallow fuel oil contaminated soils under the "Expressway" process. This is acceptable to the SMS. Please submit a report detailing the soils excavation process and results of confirmatory sampling. If confirmatory sampling indicates that soils that were not excavated do not exhibit contamination above SMS screening levels, we may determine that no further response to this contamination is necessary.

We have also requested that the arsenic present in the surficial soils at this facility be investigated to determine if it is naturally occurring., I have received a draft work plan detailing a process to assess this issue,. The work plan is acceptable to the SMS. Please submit a report detailing the results of this investigation. If we determine that the arsenic is naturally occurring we may determine no further action is necessary.

We have also received a draft work plan to investigate subsurface soils and groundwater under the building in relation to 1,4 Dioxane and to investigate the presence of PCB's in soil adjacent to a transformer. As part of this work, soils will be sampled, and existing monitoring wells on the property and new monitoring wells will be sampled. The draft work plan is acceptable to the SMS. Depending on the results of this investigation, we may be able to determine that a notice to the land record is a sufficient response.

If any of the investigatory work however indicates that contamination is more wide spread or at higher concentrations than we anticipate, we reserve the right to require further actions to address. These may include more investigation phases and active remediation.

Thank you for your cooperation in this process. Please respond with your intention to continue the process.

Sincerely,

Michael B. Smith
Hydrogeologist

ENVIRONMENTAL SOIL MANAGEMENT COMPANIES
Generator Waste Profile

ESMI Customer: The Johnson Company, Inc.		**Purchase Order #** 3-2221-1	
Customer Address: 100 State St., Suite 600	**City:** Montpelier	**State:** Vt	**Zip:** 05602
Contact: Don Maynard, (cell 802-272-8868)	**Tel:** 802-229-4600	**Fax:** 802-229-5876	
Site Contact: Matthew Schade	**Tel:** (802) 442 9964 ext 1266	**Cell:** 802 379 6351	
Site Name: VT Composites, Inc.	**Site Tel:** (802) 442 9964		
Site Address: 25 Performance Drive	**City:** Bennington	**State:** VT	**Zip:** 05201

History of Site Use: ☐ **Residential** ☐ **Commercial** ■ **Industrial** ☐ **Other:**

If commercial, industrial or other, please describe history of site:
Manufacturing of composite products. #2 fuel oil AST outside building used for heating fuel

Event/process generating waste: ☐ Leaking UST ☐ Leaking AST ■ Surface Spill ☐ other(*describe*):
Apparent historical minor releases of #2 vigin fuel oil to ground surface at re-fueling point for AST

Waste Material Description: ***Soil/media is contaminated with:*** (Check All That Apply)

✓ NON-HAZARDOUS ***VIRGIN PETROLEUM*** CONTAMINATED SOIL
■ #2, ☐ #4, ☐ #6 Fuel Oil ☐ Diesel Fuel ☐ Gasoline ☐ Jet Fuel ☐ Animal/Vegetable/Tall oils ☐ White Oil
☐ Kerosene ☐ Mixed Fuels (gas/fuel oil) ☐ Petroleum Solvent ☐ Hydraulic Oil ☐ Motor Oil

___ NON-HAZARDOUS ***NON-VIRGIN PETROLEUM*** CONTAMINATED SOIL
☐ Used Oils ☐ Grease/Lubes ☐ Used Animal/Vegetable/Tall Oils ☐ Waxes ☐ Petrolatum ☐ Hydraulic Oil
☐ Lubricating Oils ☐ Metal Working Oils ☐ Industrial Oils ☐ Used Petroleum Solvent ☐ Electrical Oil
☐ Transformer Oil (non-PCB) ☐ Urban Fill

___ NON-HAZARDOUS ***COAL TAR or PCB*** CONTAMINATED SOIL
☐ Coal Tar ☐ PCB's (<50ppm; Not PCB Remediation Waste)

___ NON-HAZARDOUS ***DREDGE*** CONTAMINATED SOIL (Also Identify Contaminant)
☐ Dredge Soil associated with Upland Remediation

Are there any known or suspected past releases of contaminants other than the above listed? NO ■ **YES** ☐
If **YES**, Specify: No evidence of any other releases in the vicinity of the AST.

Approximate Tonnage: 40-80

Physical Characteristics: %Gravel 45 %Sand 45 %Clay/Silt 10 % H20 0 %Debris 0 ∑ =100%
Describe Debris:

I hereby certify, to the best of my knowledge, (a) I am a responsible official of the generator, (b) that the sampling requirements, pursuant to Env-Or 611.04(NH only), and any additional sampling required by the state of origin, has been adhered to, (c) that the information provided in the profile is correct and complete, (d) that the transport, treatment and recycling of the contaminated materials do not violate any laws or regulations of the state of origin.

Signature: [signature] **Date:** 10/7/11

Typed/Printed Name: Matthew Schade **Company:** Vermont Composites, Inc.

Check One: Owner: ■ **Generator:** ☐ **Contractor:** ☐ **Consultant:** ☐ **Other (explain):**

Acceptance of all projects is predicated on the review of this form and the analytical results of the material to be received.

ESMI of New Hampshire
67 International Drive
Loudon, New Hampshire 03307
Phone: 603.783.0228
Fax: 603.783.0104

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828
Phone: 518.747.5500
Fax: 518.747.1181

ESMI OF NEW YORK **Customer Usage** 10/24/2011 8:20:24AM

From Customer: TJC10 To: TJC10
From Order: 9136 To: 9136 From: 10/21/2011 To: 10/24/2011
From Material: To: zzzzzzzz

Ticket Date	Ticket Number	Truck/Trl'r ID	Mat'l ID	Material Unit	Material Net	Revenue Mat'l	Revenue Delivery	Revenue Tax/Misc.	Revenue Total
Customer:	**TJC10**								
Order:	**9136**								
10/21/11	2052422	JG-002	FO02		22.230 tn	- 25 Ton min.			
10/21/11	2052423	RG-99	FO02		21.220 tn	- 25 Ton min.			
02 #2 FUEL OIL Totals					43.450 tn				
VT Composites Totals 25 Performance Drive Bennington, VT					43.450 tn				
THE JOHNSON COMPANY Totals					43.45tn 0.00				
Grand Totals					43.45 tn 0.00				

ESMI OF NEW YORK
304 Towpath Road
Fort Edward, New York 12828

(518)747-5500

Ticket No : 2052422
Date :10/21/2011

Max. Acceptable Soil: 150.00

Customer: TJC10
THE JOHNSON COMPANY
100 STATE STREET
SUITE 600
MONTPELIER,VT 05602

Job No :9136
VT Composites
25 Performance Drive
Bennington VT
Running Tonnage: 22.23

Trucker:
JG-002 JBG Transport

Gross : 80140 Scale 1 In 1:38:37PM
Tare : 35680 STORED Out

Net : 44460 lb
22.230

F002 02 #2 FUEL OIL

Weigh Master: Kim Matteson #530022

Driver:

Remarks:

Material $
Delivery $
Misc $
Tax $

Total $

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
VT Compos. Tes INC
#25 Performance Drive
BENNINGTON VT

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name
JBG TRANSPORT
U.S. EPA ID Number
5A-683

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
E.S.M.I. OF NEW YORK
304 TOWPATH RD. - FORT EDWARD, NY 12828
U.S. EPA ID Number
NY STATE FACILITY ID #
5-5330-00038/00019

Facility's Phone: 800-511-3764 NYSDEC PROGRAM ID # 58Z01

	9. Waste Shipping Name and Description NON HAZ	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Petroleum contaminated soil	1	DT	22.23T		
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X MATTHEW SCHADE
Signature:
Month 10 Day 21 Year 11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JASON GOODSON
Signature:
Month 10 Day 21 Year 11

Transporter 2 Printed/Typed Name
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature:
Month 10 Day 21 Year 11

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

ESMI OF NEW YORK
304 Towpath Road
Fort Edward, New York 12828

(518)747-5500

Ticket No : 2052423
Date :10/21/2011

Max. Acceptable Soil: 150.00

Customer: TJC10
THE JOHNSON COMPANY
100 STATE STREET
SUITE 600
MONTPELIER,VT 05602

Job No :9136
VT Composites
25 Performance Drive
Bennington VT
Running Tonnage: 43.45

Trucker:
RG-99 R.GALUSHA TRANS

Gross : 78300 Scale 1 In 1:39:26PM
Tare : 35860 STORED Out

Net : 42440 lb
21.220

F002 02 #2 FUEL OIL

Weigh Master: Kim Mattesson #530022

Driver:

Remarks:

Material $
Delivery $
Misc $
Tax $

Total $

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

5. Generator's Name and Mailing Address
JOHNSON COMP.
100 STATE ST SUITE 600
MONTPELIER VT 05602
Generator's Phone:

Generator's Site Address (if different than mailing address)
V.T COMPOSITES
25 PEFORMANCE DR
BENNINGTON V.T 05201

6. Transporter 1 Company Name
R. GALUSHA TRANSPORT
U.S. EPA ID Number: 5A-735

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
E.S.M.I. OF NEW YORK
304 TOWPATH RD. - FORT EDWARD, NY 12828
Facility's Phone: 800-511-3764 NYSDEC PROGRAM ID # 58Z01
U.S. EPA ID Number
NY STATE FACILITY ID #
5-5330-00038/00019

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. 1 LOAD NON/HAZ CONTAMINATED SOIL			21 TONS	
	2.			21.22	
	3.				
	4.				

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: DONALD M. MAYNARD FOR VT COMPOS.
Signature:
Month 10 Day 21 Year 11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: NOLIN TURCOTTE
Signature:
Month 10 Day 21 Year 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month 10 Day 21 Year 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

DESIGNATED FACILITY'S COPY

From Customer: TJC10 To: TJC10
From Order: 9136 To: 9136
From Material: To: zzzzzzzz

From: 11/3/2011 To: 11/3/2011

Ticket Date	Ticket Number	Truck/Trl'r ID	Mat'l ID	Material Unit	Material Net	Revenue Mat'l	Revenue Delivery	Revenue Tax/Misc.	Revenue Total
Customer:	TJC10								
Order:	9136								
11/3/11	2052570	RG-03	FO02		33.790 tn				
11/3/11	2052572	RG-01	FO02		35.140 tn				
02 #2 FUEL OIL Totals					68.930 tn				
VT Composites Totals					68.930 tn				
25 Performance Drive									
Bennington, VT									
THE JOHNSON COMPANY Totals					68.93tn				
					0.00				
Grand Totals					68.93 tn				
					0.00				

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address
VERMONT COMPOSITES, INC.
25 PERFORMANCE DR
BENNINGTON VT 05201
Generator's Phone: 8024429964

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: R. GALUSHA TRANS. #3
U.S. EPA ID Number: SA-735

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
E.S.M.I. OF NEW YORK
304 TOWPATH RD. - FORT EDWARD, NY 12828
Facility's Phone: 800-511-3764 NYSDEC PROGRAM ID # 58Z01
U.S. EPA ID Number
NY STATE FACILITY ID # 5-5330-00038/00019

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. 1 Load of Soil w/o N/Haz.			20 Tons		
	2.			33.79		
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MATTHEW SCHADE
Signature: [signature]
Month 11 Day 3 Year 11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: John D. Lent JR.
Signature: [signature]
Month 11 Day 3 Year 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month 11 Day 3 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number: 5A-735

5. Generator's Name and Mailing Address
VERMONT COMPOSITES INC
25 PERFORMANCE DR
BENNINGTON VT
Generator's Phone: 802 442 9964

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: R- Galusha
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
E.S.M.I. OF NEW YORK
304 TOWPATH RD. - FORT EDWARD, NY 12828
Facility's Phone: 800-511-3764 NYSDEC PROGRAM ID # 58Z01

U.S. EPA ID Number
NY STATE FACILITY ID #
5-5330-00038/00019

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.	
	1. one load of none Haz soil			35.14		
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MATTHEW SCHADE
Signature
Month 11 Day 3 Year 11

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Howard Hall
Signature
Month 11 Day 3 Year 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month 11 Day 3 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

Jointa Galusha, L.L.C.
203 WARREN ST / PO BOX 302
GLENS FALLS, NY 12801
Ph (518) 792-5029 / Fax (518) 792-3145

Ticket 475463

10/21/2011 7:27:00AM

Location: PATTENS MILLS

Carrier:	21457	R. GALUSHA TRANSPORT, L.L.C.
Vehicle:	99	2010 RED KENWORTH/TURCOTT
Customer:	70511	ESMI of NY
Order:		
Product:	ROB	ROB Fill
Mix:		
Freight:	Pickup	
Zone:		
P.O.:	BENNINGTON, VT	
Deliver:		

Comment:
Weighmaster: Deb ST Amour
Received: Sign: Print:

	Qty		Rate	Amount
Product	30.50	Ton		
Freight				
Tax (County)	WAS			
Fuel Surcharge				
Total			$	

	Pounds	Tons	Metric
Gross	95000	47.50	43.09
Tare	34000	17.00	15.42
Net	61000	30.50	27.67

	Today
Loads	2
Cumulative	64.85

Jointa Galusha, L.L.C.
203 WARREN ST / PO BOX 302
GLENS FALLS, NY 12801
Ph (518) 792-5029 / Fax (518) 792-3145

Ticket 475462

10/21/2011 7:26:00AM

Location: PATTENS MILLS

Carrier:	21457	R. GALUSHA TRANSPORT, L.L.C.
Vehicle:		
Customer:	70511	ESMI of NY
Order:		JBG/TRK # 002 PETERBILT
Product:	ROB	ROB Fill
Mix:		
Freight:	Pickup	
Zone:		
P.O.:	BENNINGTON, VT	
Deliver:		

Comment:
Weighmaster: Deb ST Amour
Received: Sign: Print:

	Qty		Rate	Amount
Product	34.35	Ton		
Freight				
Tax (County)	WAS			
Fuel Surcharge				
Total			$	

	Pounds	Tons	Metric
Gross	105000	52.50	47.63
Tare	36300	18.15	16.47
Net	68700	34.35	31.16

	Today
Loads	1
Cumulative	34.35

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	VTD019092766	1	18009661102	001556000 GBF

5. Generator's Name and Mailing Address
Vermont Composites
25 Performance Drive
Bennington VT 05201
Generator's Phone: 802 4429964
Att: Matt Schade
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ENPRO SERVICES, INC. — U.S. EPA ID Number: MAD980670004

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
ENPRO SERVICES OF VERMONT, INC.
54 AVENUE D
WILLISTON VT 05495
Facility's Phone: 802 860-1200
U.S. EPA ID Number: VTR000517052

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1263, WASTE Paint related material, 3, PGIII	1	DM	200	P	D001	D011	D035
	2. Non-RCRA, non-DOT	1	DM	420	P	VT99		
	3. Non-RCRA, non-DOT solids	4	DM	2345	P	VT99		
	4.							

14. Special Handling Instructions and Additional Information 1)(I,E) WIP# VTCOMP-LP Approval# VT-1011-05710 ERG#128 2)(L) Hydraulic oil for recycling. WIP#VTCOMP-HYFLU Approval#VT-1011-05321 3)(S) non-hazardous soils. WIP# VTCOMP-NS. VT02 exempt media. APP#VT-1011-_____ ENPRO PO#17887-61

ENPRO JOB# 8178-11

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: MATTHEW SCHADE — Signature: Matthew Schade — Month 10 Day 27 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Nathaniel Tulunda — Signature: [signature] — Month 10 Day 27 Year 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141	H141	

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jeffrey A. Baker — Signature: [signature] — Month 10 Day 28 Year 11

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

HRS Reference #108 Page 77 of 546

EPA Form 8700-22 (Rev. 3/05) Previous editions are obsolete.

TRANSPORTER'S COPY

www.enpro.com www.tsdf.com www.hazardouswaste.com www.enpro.com www.hazardouswaste.com www.tsdf.com www.hazardouswaste.com www.enpro.com

ENPRO

NON HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. VTD010002700 Manifest Document No. 18733

2. Page 1 of

3. Generator's Name and Mailing Address
Vermont Composites
26 Performance Drive
Bennington, VT 05201
Attn: Matt Schade

4. Generator's Phone (802) 442 9984

A. Non-Hazardous Manifest Document Number NHZ001 18733

B. S.G.I. (Gen. Site Address) SAME

5. Transporter 1 Company Name ENPRO SERVICES, INC.

6. US EPA ID Number MAD980670004

C. S.T.I. (Lic. Plate #)

D. Transporter's Phone VT 978-405-1595

7. Transporter 2 Company Name

8. US EPA ID Number

E. S.T.I. (Lic. Plate #)

F. Transporter's Phone

9. Designated Facility Name and Site Address
ENPRO SERVICES OF VERMONT, INC
54 AVENUE D
WILLISTON VT 05495

10. US EPA ID Number VTR000517052

G. State Facility's ID SAME

H. Facility's Phone 802-860-1200

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Non-RCRA, non-DOT solids	5	CF	100.00	P	State NONE State VT99
b.					State State
c.					State State
d.					State State

J. Additional Descriptions for Materials Listed Above
a. (S) non-hazardous soils. WIP# VTCOMP-NS, VT82 exempt media.
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. Interim Final b. Interim Final
c. d.

15. Special Handling Instructions and Additional Information
Emergency Contact: 1)
John Curley
18009661102
ENPRO PO#17994-61
Point of Departure: ENPRO JOB# 8231-11

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable state laws and regulations.

Printed/Typed Name MATTHEW SCHADE
Signature [signature]
Month Day Year 11 10 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Nathaniel Tylende
Signature [signature]
Date Month Day Year 11 10 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Date Month Day Year

HRS Reference #108

GENERATOR'S COPY

www.enpro.com www.tsdf.com www.hazardouswaste.com www.enpro.com www.tsdf.com www.hazardouswaste.com

ATTACHMENT 2

PHOTOGRAPHS

Photograph 1: Transformers

Photograph 2: #2 Fuel Oil AST

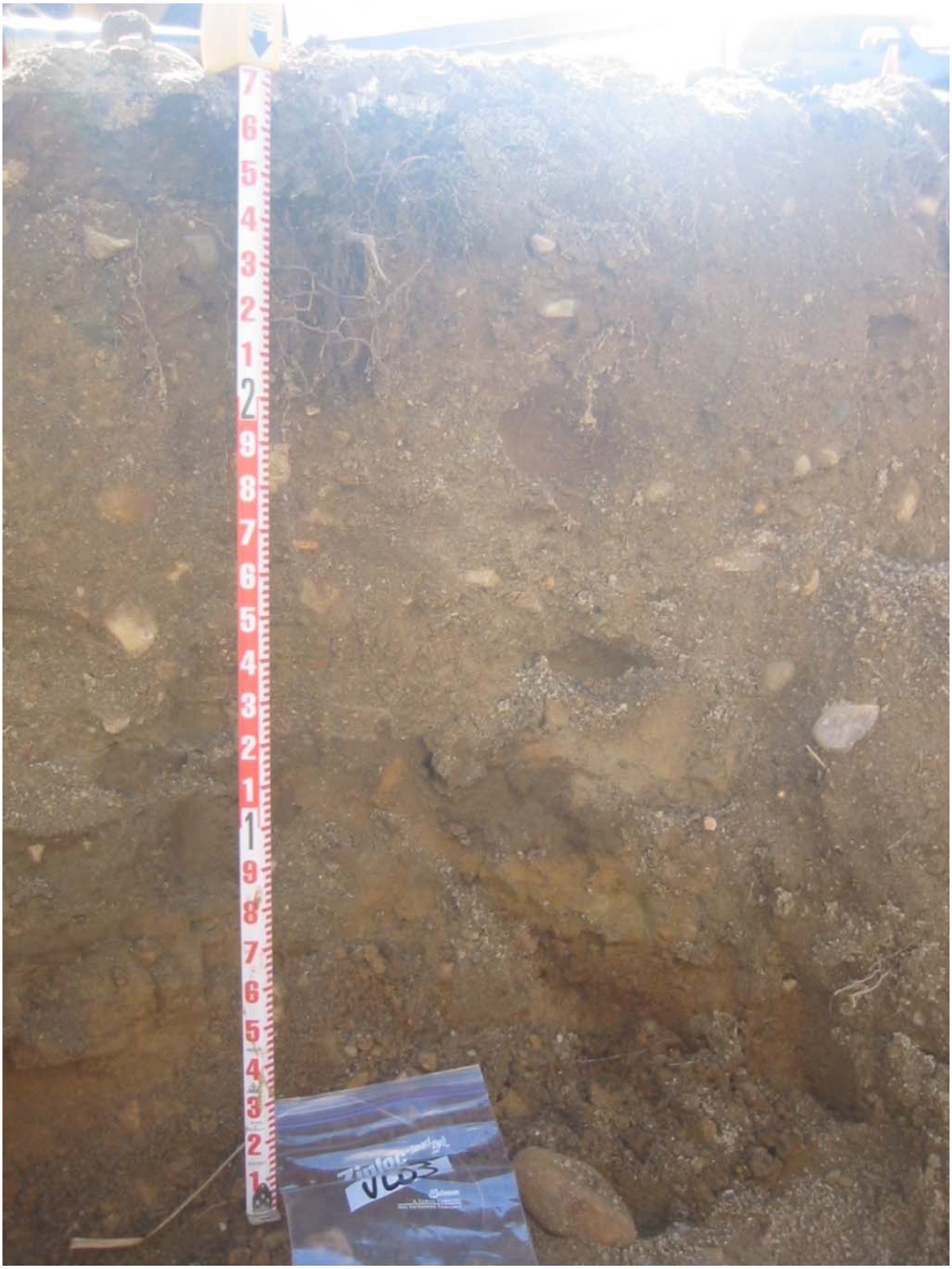
Photograph 3: #2 Fuel Oil AST

Photograph 4: #2 Fuel Oil AST Excavation on October 20

Photograph 5: #2 Fuel Oil AST Excavation on October 20

Photograph 6: #2 Fuel Oil AST Excavation on October 20

Photograph 7: #2 Fuel Oil AST Excavation on October 20



Photograph 8: #2 Fuel Oil AST Excavation on October 20

Photograph 9: #2 Fuel Oil AST Excavation on October 20

Photograph 10: #2 Fuel Oil AST Excavation on October 27 – West Side

Photograph 11: #2 Fuel Oil AST Excavation on October 27 – East Side

Photograph 12: #2 Fuel Oil AST Excavation on October 27 – south Side excavation incomplete

Photograph 13: #2 Fuel Oil AST Excavation on October 27 – south side

Photograph 14: SB-25 Petroleum Soils Excavation on October 20

Photograph 15: SB-25 Petroleum Soils Excavation on October 27

Photograph 16: SB-25 Petroleum Soils Excavation on October 27

Photograph 17: SB-25 Petroleum Soils Excavation on October 27

C:\homework\vermont composites\attachment 2 photographs.docx

ATTACHMENT 3

MONITORING WELL AND SOIL BORING LOGS

Layer	Position X	Position Y	SOIL_BORING
ERM-Soil Borings (Exterior (201108))-Approx	1454247.5026	144676.0998	SB-01
ERM-Soil Borings (Exterior (201108))-Approx	1454252.4153	144754.7852	SB-02
ERM-Soil Borings (Exterior (201108))-Approx	1454360.8716	144767.6530	SB-03
ERM-Soil Borings (Exterior (201108))-Approx	1454404.6630	144753.9945	SB-04
ERM-Soil Borings (Exterior (201108))-Approx	1454342.4946	144807.2104	SB-05
ERM-Soil Borings (Exterior (201108))-Approx	1454361.1555	144833.5917	SB-06
ERM-Soil Borings (Exterior (201108))-Approx	1454362.5583	144808.7431	SB-07
ERM-Soil Borings (Exterior (201108))-Approx	1454334.4509	144839.9563	SB-08
ERM-Soil Borings (Interior (201108))-Approx	1454312.4829	144812.0187	SB-09
ERM-Soil Borings (Exterior (201108))-Approx	1454291.3218	144417.7510	SB-10
ERM-Soil Borings (Exterior (201108))-Approx	1454430.8961	144430.6149	SB-11
ERM-Soil Borings (Exterior (201108))-Approx	1454295.3347	144478.7795	SB-12
ERM-Soil Borings (Exterior (201108))-Approx	1454535.1327	144508.7559	SB-13
ERM-Soil Borings (Exterior (201108))-Approx	1454531.3599	144543.3341	SB-14
ERM-Soil Borings (Exterior (201108))-Approx	1454533.8833	144651.3547	SB-15
ERM-Soil Borings (Exterior (201108))-Approx	1454550.7345	144668.9942	SB-16
ERM-Soil Borings (Interior (201108))-Approx	1454325.6829	144698.6081	SB-17
ERM-Soil Borings (Interior (201108))-Approx	1454453.3606	144639.0669	SB-18
ERM-Soil Borings (Interior (201108))-Approx	1454424.0446	144619.1882	SB-19
ERM-Soil Borings (Interior (201108))-Approx	1454415.0297	144638.0455	SB-20
ERM-Soil Borings (Interior (201108))-Approx	1454472.7842	144668.4395	SB-21
ERM-Soil Borings (Interior (201108))-Approx	1454487.6621	144625.8636	SB-22
ERM-Soil Borings (Exterior (201108))-Approx	1454553.4339	144688.9662	SB-23
ERM-Soil Borings (Exterior (201108))-Approx	1454529.6796	144668.4544	SB-24
ERM-Soil Borings (Exterior (201108))-Approx	1454552.5982	144649.3836	SB-25
ERM-Soil Borings (Exterior (201108))-Approx	1454571.2496	144661.9770	SB-26
ERM-Soil Borings (Interior (201108))-Approx	1454403.5769	144637.6861	SB-27
ERM-Soil Borings (Interior (201108))-Approx	1454435.1117	144642.5961	SB-28
ERM-Soil Borings (Interior (201108))-Approx	1454424.1424	144632.3215	SB-29
ERM-Soil Borings (Interior (201108))-Approx	1454407.0698	144618.1860	SB-30/ERM-04
ERM-Soil Borings (Interior (201108))-Approx	1454393.8128	144615.8370	SB-31
ERM-Soil Borings (Interior (201108))-Approx	1454376.3651	144615.2631	SB-32/ERM-05
ERM-Soil Borings (Exterior (201108))-Approx	1454216.7199	144839.2038	SB-34
ERM-Soil Borings (Exterior (201108))-Approx	1454116.2573	144827.8683	SB-35
ERM-Soil Borings (Exterior (201108))-Approx	1453925.0542	144756.0771	SB-36
ERM-Soil Borings (Exterior (201108))-Approx	1453862.3987	144460.9211	SB-37

ID	EAST	NORTH	ELEV
MW-02	1453880.975	144712.3271	90.54
MW-03	1453947.958	144423.3502	91.36
ERM-01	1454252.415	144754.7852	93.99
ERM-02	1454430.896	144430.6149	94.52
ERM-03	1454291.322	144417.751	93.9

ERM

WELL : ERM-01

99 East River Drive, East Hartford, Connecticut 06108

MONITORING WELL CONSTRUCTION LOG

Project Name & Location	Project No.	Water Level(s) (ft below top of PVC casing)			Site Elevation Datum (feet)
Project Green	**0140857**				
Drilling Company	*Foreman*	Date	Time	Level (feet)	*Ground Elevation (feet)*
Zebra	-				
Surveyor					*Top of Protective Steel Cap Elevation (feet)*
-					
Date and Time of Completion	*Geologist*				*Top of Riser Pipe Elevation (feet)*
8/3/2011	Patrick Diggins				

Generalized Soil Description	PID ppm	**Depth	CONSTRUCTION DETAILS
			PROTECTIVE STEEL CAP FLUSH WITH GROUND
	0.00	0.0	*GROUND SURFACE*
	0.00	0.0	<--- WATER TIGHT CAP WITH LOCK
			< ---- PROTECTIVE STEEL CASING CEMENTED IN PLACE
	0.00		
	0.00	2.00'	<-- BENTONITE SEAL
	0.00		
	0.00		<------- RISER
			DIAMETER:____2"_____
			MATERIAL:____PVC_____
			<------- WELL SCREEN
			SLOT SIZE:_____0.020"_____
			DIAMETER:____2"_____
			MATERIAL:____PVC_____
			<------ SAND PACK
			TYPE:_____#2 Sand_____
	0.00		<------- BOTTOM CAP
	0.00	12.0'	
			BOTTOM OF BOREHOLE

REMARKS _____

** Depth in feet below ground surface

ERM

WELL : ERM-02

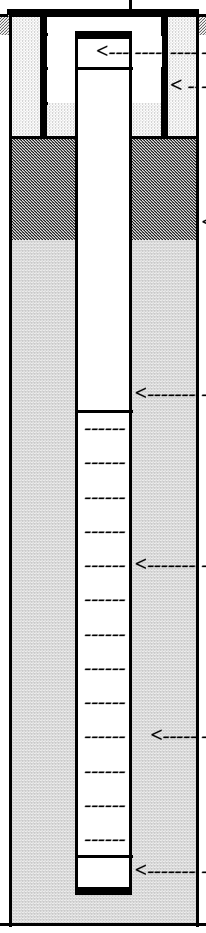
99 East River Drive, East Hartford, Connecticut 06108

MONITORING WELL CONSTRUCTION LOG

Project Name & Location	Project No.	Water Level(s) (ft below top of PVC casing)			Site Elevation Datum (feet)
Project Green	**0140857**				
Drilling Company	*Foreman*	Date	Time	Level (feet)	*Ground Elevation (feet)*
Zebra	-				
Surveyor					*Top of Protective Steel Cap Elevation (feet)*
-					
Date and Time of Completion	*Geologist*				*Top of Riser Pipe Elevation (feet)*
8/3/2011	Patrick Diggins				

Generalized Soil Description	PID ppm	**Depth
	0.00	0.0
	0.00	0.0
	0.00	
	0.00	2.00'
	0.00	
	0.00	
	0.00	
	0.00	
	0.00	12.0'

CONSTRUCTION DETAILS



PROTECTIVE STEEL CAP FLUSH WITH GROUND

GROUND SURFACE

<--- WATER TIGHT CAP WITH LOCK

< ---- PROTECTIVE STEEL CASING CEMENTED IN PLACE

<-- BENTONITE SEAL

<------- RISER

DIAMETER:____2"_____

MATERIAL:____PVC_____

<------- WELL SCREEN

SLOT SIZE:_____0.020"_____

DIAMETER:____2"_____

MATERIAL:____PVC_____

<------ SAND PACK

TYPE:_____#2 Sand_____

<------- BOTTOM CAP

BOTTOM OF BOREHOLE

REMARKS _____

** Depth in feet below ground surface

ERM

WELL : ERM-03

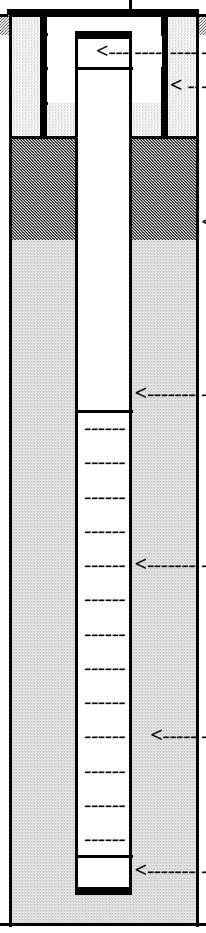
99 East River Drive, East Hartford, Connecticut 06108

MONITORING WELL CONSTRUCTION LOG

Project Name & Location	Project No.	Water Level(s) (ft below top of PVC casing)			Site Elevation Datum (feet)
Project Green	**0140857**				
Drilling Company	*Foreman*	Date	Time	Level (feet)	*Ground Elevation (feet)*
Zebra	-				
Surveyor					*Top of Protective Steel Cap Elevation (feet)*
-					
Date and Time of Completion	*Geologist*				*Top of Riser Pipe Elevation (feet)*
8/3/2011	Patrick Diggins				

Generalized Soil Description	PID ppm	**Depth
	0.00	0.0
	0.00	0.0
	0.00	
	0.00	2.00'
	0.00	
	0.00	
	0.00	
	0.00	12.0'

CONSTRUCTION DETAILS



PROTECTIVE STEEL CAP FLUSH WITH GROUND

GROUND SURFACE

<--- WATER TIGHT CAP WITH LOCK

<--- PROTECTIVE STEEL CASING CEMENTED IN PLACE

<-- BENTONITE SEAL

<--- RISER

DIAMETER:____2"_____

MATERIAL:____PVC_____

<--- WELL SCREEN

SLOT SIZE:_____0.020"_____

DIAMETER:____2"_____

MATERIAL:____PVC_____

<--- SAND PACK

TYPE:_____#2 Sand_____

<--- BOTTOM CAP

BOTTOM OF BOREHOLE

REMARKS _____

** Depth in feet below ground surface

ERM, Inc.

WELL : ERM-04

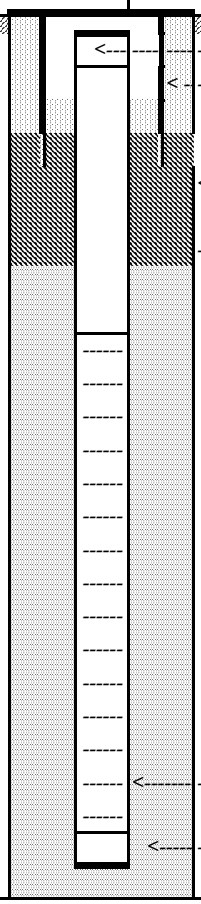
99 East River Drive, East Hartford, CT

MONITORING WELL CONSTRUCTION LOG

Project Name & Location	Project No.	Water Level(s) (ft below top of PVC casing)			Total Depth of Well
Project Green	**0140857**				9.25
Drilling Company	*Foreman*	Date	Time	Level (feet)	
Geosearch	RD				
Drilling Equipment					
Hollow Stem Auger					
Date and Time of Completion	*Geologist*				
9/29/2011	P. Brousseau				

Generalized Soil Description	**Depth
Medium to fine SAND some gravel	0.5
	2.0
	4.3
Gravelly coarse to fine SAND	
	9.3

CONSTRUCTION DETAILS



REMARKS _____

** Depth in feet below ground surface

ERM, Inc.

WELL : ERM-05

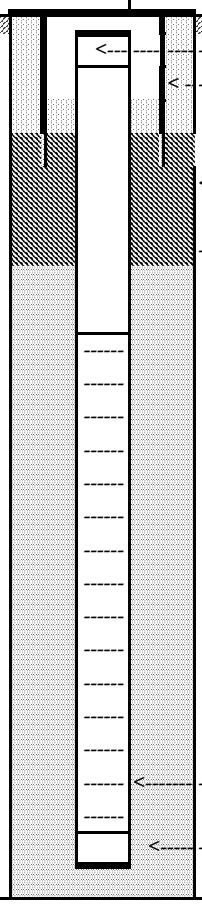
99 East River Drive, East Hartford, CT

MONITORING WELL CONSTRUCTION LOG

Project Name & Location	Project No.	Water Level(s) (ft below top of PVC casing)			Total Depth of Well
Project Green	**0140857**				10
Drilling Company	*Foreman*	Date	Time	Level (feet)	
Geosearch	RD				
Drilling Equipment					
Hollow Stem Auger					
Date and Time of Completion	*Geologist*				
9/29/2011	P. Brousseau				

Generalized Soil Description	**Depth
Medium to fine SAND some gravel	0.5
	3.0
	5.0
Gravelly medium to fine SAND	
	10.0

CONSTRUCTION DETAILS



REMARKS

** Depth in feet below ground surface

ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

WELL MW-01

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED _____ **DATE COMPLETED** _____

DRILLING CONTRACTOR _____ **DRILLING METHOD** _____

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL** 0 ft bgs

LOGGED BY _____ **CHECKED BY** _____

NOTES Actual well construction details are unknown

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0.0					Total depth = 8.50' bgs.		Flushmount Road Box
2.5							
5.0							2" Diameter PVC Well
7.5							
					8.5 Bottom of hole at 8.5 feet.		

ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

WELL MW-02

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED _____ **DATE COMPLETED** _____

DRILLING CONTRACTOR _____ **DRILLING METHOD** _____

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL** 3.65 ft bgs

LOGGED BY _____ **CHECKED BY** _____

NOTES Actual well construction details are unknown

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0.0					Total depth = 8.15' bgs.		Flushmount Road Box
2.5							
							2" Diameter PVC Well
5.0							
7.5							
					8.2		

Bottom of hole at 8.2 feet.

ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-01

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/10/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES Collected deep sample with hand auger

Asphalt

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					Asphalt. 0.3		
	SB-01-0-1		SW		MEDIUM SAND with little gravel, well graded, very loose, dry, medium brown. 2.0	0	
1							
2	SB-01-2-3		SW		FINE SAND with trace gravel, well graded, soft, wet, dark brown. 2.5	0	
		50					
3							
4							
5					Bottom of hole at 5.0 feet.		

ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-02/ERM-01

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/3/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL** 2.85 ft bgs

LOGGED BY JP Diggins **CHECKED BY**

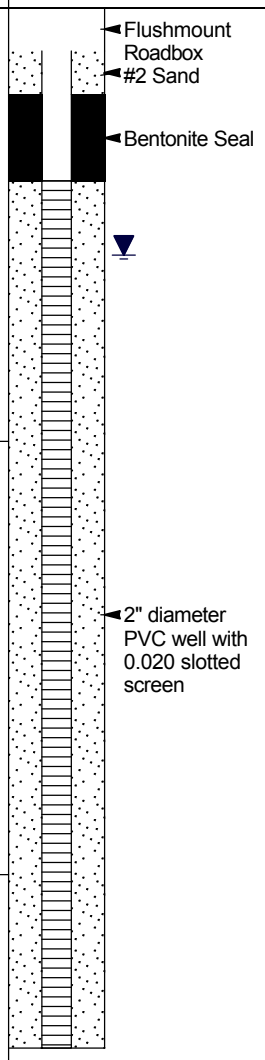
NOTES

Asphalt
USCS Silt
USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	SB-02-0-1	50			0.3 Asphalt.	0
			SW		MEDIUM SAND with trace silt, little gravel, well graded, medium dense, dry, light brown.	
	SB-02-2-2.5		SW		2.0 COARSE SAND with little gravel, significant iron staining, well graded, very loose, dry, reddish brown.	0
2.5					2.5	
5.0		10	SW		5.5 COARSE SAND with little gravel, significant iron staining, well graded, very loose, wet, reddish brown.	
7.5						
10.0		100	SW		COARSE SAND with some gravel, well graded, very loose, wet, reddish brown.	
12.5					13.0	
			ML		SILT with little gravel, trace sand, well graded, very stiff, wet, gray.	
15.0					15.0	

Bottom of hole at 15.0 feet.

CONSTRUCTION DIAGRAM



ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-03

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/2/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Asphalt

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					Asphalt. 0.3		
	SB-03-0-1	100	SW		SAND with little gravel, well graded, loose, dry, reddish brown.	0.0	
1							
	SB-03-1-2					0.0	
2					2.0		
3							
4							
5					Bottom of hole at 5.0 feet.		

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Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-04

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/2/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Asphalt; USCS Silt; USCS Well-graded Sand; USCS Poorly-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					Asphalt. 0.3		
	SB-04-0-1		SW		MEDIUM SAND with little gravel, well graded, loose, dry, light brown. 1.0	0.0	
1			SW		MEDIUM SAND with little gravel, well graded, loose, dry, gray. 1.2		
	SB-04-1-2		ML		SILT and sand, trace gravel, well graded, low plasticity, moist, gray/brown. 1.8	0.0	
2			SP		MEDIUM SAND poorly graded, loose, moist, reddish brown. 2.2		
		50			Cobble. 2.5		
3							
4							
5					Bottom of hole at 5.0 feet.		

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Fax: (617) 267-6447

SB-05

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/2/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Hand Auger

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					ORGANICS with trace sand, well graded, very loose, moist, brown.		
	SB-05-0-1	100			0.5	0.0	
			SW		SAND with trace gravel, well graded, very loose, dry, brown.		
1					1.0		
					Bottom of hole at 1.0 feet.		

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SB-06

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/2/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					ORGANICS with trace sand, well graded, loose, moist, brown. 0.3		
	SB-06-0-1				MEDIUM SAND with little gravel, well graded, medium dense, dry to moist, brown.	0.0	
1			SW				
	SB-06-1-2					0.0	
2					2.0		
		40					
3							
4							
5							
					Bottom of hole at 5.0 feet.		

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Fax: (617) 267-6447

SB-07

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/2/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0		720			ORGANICS with trace sand, well graded, loose, moist, brown. 0.3		
	SB-07-0-1		SW		SAND with little gravel, trace silt, well graded, medium dense, dry to moist, reddish brown.	0.0	
1							
2							
	SB-07-2-3					0.0	
3					3.0		
4							
5							
					Bottom of hole at 5.0 feet.		

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Fax: (617) 267-6447

SB-08

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/2/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil | USCS Silt | USCS Well-graded Sand | USCS Poorly-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0							
					ORGANICS with trace sand, well graded, loose, moist, brown. 0.3		
	SB-08-0-1		SW		MEDIUM SAND with little gravel, trace silt and organics, well graded, very loose, dry to moist, reddish brown. 1.5	0	
1							
			ML		SILT and sand, well graded, low plasticity, moist to wet, gray/brown. 2.0		
2							
	SB-08-2-3	60	SP		MEDIUM SAND poorly graded, loose, moist to wet, brown. 2.8	0	
			ML		SILT and sand, trace gravel, well graded, stiff, moist to wet, gray. 3.0		
3							
4							
5							
					Bottom of hole at 5.0 feet.		

ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-09

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/2/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Concrete; USCS Poorly-graded Sand; USCS Well-graded Sand; USCS Well-graded Gravel

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0							
	SB-09-0-1				CONCRETE. 0.5	0.0	
1			SW		MEDIUM SAND with little gravel, trace silt, well graded, loose, dry to moist, reddish brown. 2.0		
2	SB-09-2-3	60	SP		MEDIUM SAND poorly graded, loose, wet, gray/brown. 2.8	0.0	
3			GW		GRAVEL and sand, well graded, very loose, wet, reddish brown. 3.0		
4							
5							
					Bottom of hole at 5.0 feet.		

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399 Boylston St 6th Floor
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Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-10/ERM-03

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/3/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL** 5.01 ft bgs

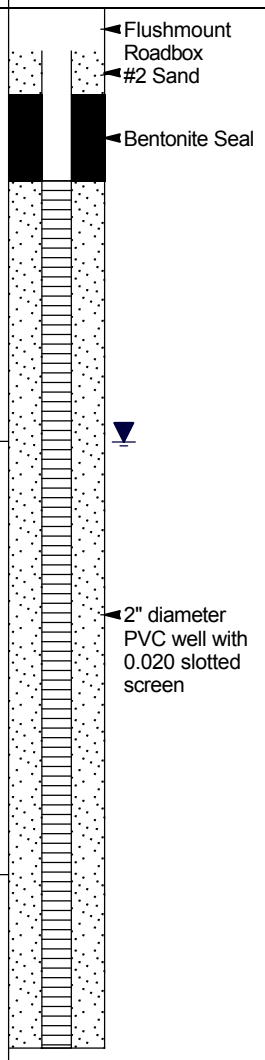
LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil | USCS Silt | USCS Well-graded Sand | USCS Well-graded Gravel

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0	SB-10-0-1				ORGANICS with little sand, well graded, soft, moist, brown. (1.0)	0.0
2.5	SB-10-2-3	80	SW		SAND and silt, well graded, medium stiff, moist, light brown. (4.0)	0.0
5.0			SW		COARSE SAND and gravel, well graded, very loose, wet, medium brown. (7.0)	
7.5		40				
10.0			ML		SILT and sand, well graded, soft, wet, light brown. (12.5)	
12.5		100	GW		GRAVEL and sand, well graded, very loose, wet, light brown. (15.0)	
15.0					Bottom of hole at 15.0 feet.	

CONSTRUCTION DIAGRAM



ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-11/ERM-02

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/3/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL** 5.45 ft bgs

LOGGED BY JP Diggins **CHECKED BY**

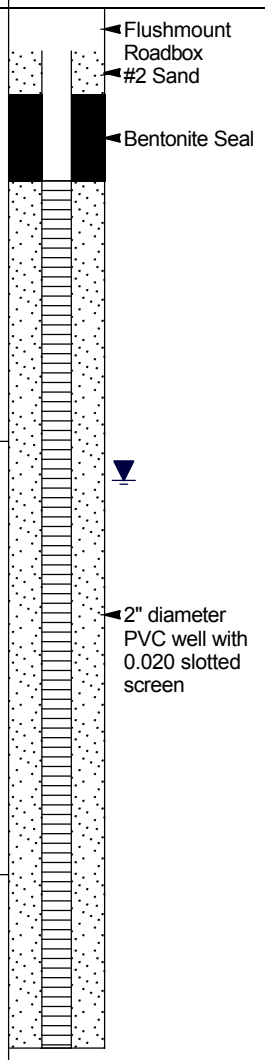
NOTES

Topsoil; USCS Well-graded Sand; USCS Poorly-graded Sand; USCS Well-graded Gravel

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0						
	SB-11-0-1	50			ORGANICS with trace fine sand, well graded, soft, moist, brown. (0.4)	0.0
			SP		MEDIUM SAND poorly graded, loose, moist. (1.5)	
					Cobble. (2.5)	
2.5						
5.0						
	SB-11-5-6	40	SW		SAND and gravel, well graded, very loose, dry, light brown. (5.8)	0.0
					Cobble. (6.0)	
			GW		GRAVEL and coarse sand, well graded, very loose, wet, light brown. (7.0)	
7.5						
10.0						
		70	GW		GRAVEL and sand, well graded, very loose, wet, light brown. (12.0)	
12.5			GW		GRAVEL and sand, trace silt and organics, well graded, very loose, wet, dark brown. (13.5)	
15.0						

Bottom of hole at 15.0 feet.

CONSTRUCTION DIAGRAM



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Fax: (617) 267-6447

SB-12

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/10/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Hand Auger

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES Refused at 3' bgs

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					SAND and organics, well graded, very soft, dry, brown.		
	SB-12-0-1					0.0	
1							
		100	SW				
2							
	SB-12-2-3					0.0	
3					3.0		
					Bottom of hole at 3.0 feet.		

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399 Boylston St 6th Floor
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Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-13

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/2/11 **DATE COMPLETED** 8/2/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Hand Auger

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0							
	SB-13-0-1	100			ORGANICS with trace fine sand, well graded, soft, dry, brown.	0.0	
1					1.0		
					Bottom of hole at 1.0 feet.		

ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-14

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/3/11 **DATE COMPLETED** 8/3/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Hand Auger

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0	SB-14-0-1	100			ORGANICS with trace fine sand, well graded, very soft, dry, brown.	0.0	
1					1.0		
					Bottom of hole at 1.0 feet.		

ERM
399 Boylston St 6th Floor
Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-15

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/3/11 **DATE COMPLETED** 8/3/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Hand Auger

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0	SB-15-0-1	100			ORGANICS with trace fine sand, well graded, very soft, dry, brown.	0.0	
1					1.0		
					Bottom of hole at 1.0 feet.		

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SB-16

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/3/11 **DATE COMPLETED** 8/3/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Hand Auger

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Topsoil

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0	SB-16-0-1	100			ORGANICS with trace fine sand, well graded, very soft, dry, brown.	0.0	
1					1.0		
					Bottom of hole at 1.0 feet.		

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Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-17

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/3/11 **DATE COMPLETED** 8/3/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES

Concrete

USCS Well-graded Gravel

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0.0							
				0.5	Concrete Floor.		
2.5		80	SW	4.0	SAND with trace gravel, fill beneath elevated factory floor, well graded, loose, dry, medium brown.	0.0	
5.0							
	SB-17-5-6		SW	7.0	SAND with trace gravel, rust staining, well graded, very loose, dry to moist, brown.	0.0	
	SB-17-6-7					0.0	
7.5		60	GW	8.0	GRAVEL with little sand, well graded, very loose, wet, brown.		
10.0							
12.5							
15.0					Bottom of hole at 15.0 feet.		

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SB-18

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/4/11 **DATE COMPLETED** 8/4/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES Refused at 3' bgs

Concrete

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					Concrete Floor. 0.5		
1	SB-18-0-1	67	SW		MEDIUM SAND with trace gravel, fill, well graded, very loose, medium brown. 2.0	0.0	
2							
3							
					Bottom of hole at 3.0 feet.		

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Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-19

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/4/11 **DATE COMPLETED** 8/4/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES Refused at 3' bgs

Concrete

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					Concrete Floor.		
	SB-19-0-1				0.5	0.0	
			SW		MEDIUM SAND with trace gravel, slight evidence of rust staining from 1 to 3 ft beneath floor, well graded, very loose, dry, medium brown.		
1							
	SB-19-1-2	100				0.0	
2							
3					3.0		
					Bottom of hole at 3.0 feet.		

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SB-20

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/4/11 **DATE COMPLETED** 8/4/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES Refused at 3' bgs

Concrete

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					Concrete Floor.		
	SB-20-0-1				0.5 MEDIUM SAND with trace gravel, well graded, very loose, dry, medium brown.	1.8	
1							
		100	SW			2.2	
2							
	SB-20-2-3					2.1	
3					3.0		
					Bottom of hole at 3.0 feet.		

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Boston, MA 02116
Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-21

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/4/11 **DATE COMPLETED** 8/4/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES Refused at 1.5' bgs

Concrete

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					Concrete Floor.		
0.5					MEDIUM SAND with trace gravel, refused at 1.5 ft below ground surface, well graded, very loose, dry, medium brown.		
	SB-21-0-1	100	SW			0.0	
1							
1.5					Bottom of hole at 1.5 feet.		

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Telephone: (617) 646-7800
Fax: (617) 267-6447

SB-22

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 8/4/11 **DATE COMPLETED** 8/4/11

DRILLING CONTRACTOR Zebra **DRILLING METHOD** Geoprobe

HOLE DIAMETER 2 inches **GROUNDWATER LEVEL**

LOGGED BY JP Diggins **CHECKED BY**

NOTES Refused at 6' bgs

Concrete
USCS Poorly-graded Sand
USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0							
	SB-22-0-1	80			Concrete Floor. 0.5	0.0	
1			SW		MEDIUM SAND with trace gravel, well graded, very loose, dry, medium brown.		
2							
3					3.5		
			SP		MEDIUM SAND poorly graded, loose, moist, medium brown. 4.0		
4							
5							
	SB-22-5-6	100	SW		COARSE SAND with trace gravel, well graded, very loose, moist, reddish brown.	0.0	
6					6.0		
					Bottom of hole at 6.0 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-23

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/27/11 **DATE COMPLETED** 9/27/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL** 4 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

USCS Silty Sand

USCS Silt

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0							
			SM		SILTY FINE SAND trace coarse sand, with roots, loose, dry, dark brown.		
1					1.0		
			ML		FINE SANDY SILT little coarse to fine gravel, trace coarse to medium sand with roots, loose, dry, dark brown.	0	
2							
3					3.8		
			ML		SILT trace coarse to fine sand, with a light brown silty medium to fine SAND lens at 4', loose, moist - wet, medium brown.		
4					4.3		
					Bottom of hole at 4.5 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-24

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/27/11 **DATE COMPLETED** 9/27/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL** 2 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

USCS Silt

USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0			ML		FINE SANDY SILT trace coarse to medium sand, trace, fine gravel, roots, loose, dry, dark brown. 0.8		
1			SM		SILTY FINE SAND trace coarse to medium sand, with occasional cobbles and coarse gravel, loose, moist, dark brown. 2.0	0	
2			SM		SILTY MEDIUM TO FINE SAND little coarse sand, little coarse to fine gravel, loose, wet, light brown. 2.5		
					Bottom of hole at 2.5 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-25

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/28/11 **DATE COMPLETED** 9/28/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL** 3.25 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

USCS Silt

USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0			ML		FINE SANDY SILT with roots, loose, dry, dark brown.		
0.5			SM		SILTY FINE SAND little coarse to fine gravel, trace coarse to medium sand, loose, moist, dark brown.		
1							
2							
3							
3.0			SM		SILTY MEDIUM TO FINE SAND little coarse to fine gravel, with occasional cobbles, loose, wet, brown.		
3.3					Bottom of hole at 3.3 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-26

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/28/11 **DATE COMPLETED** 9/28/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL** 3.5 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

USCS Silt

USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0			ML		FINE SANDY SILT with roots, loose, dry, dark brown.		
0.5			SM		SILTY FINE SAND trace coarse sand, trace fine gravel, piece of plastic at 2', loose, moist, dark brown.		
1							
2							
2.5			SM		SILTY FINE SAND mottled, loose, moist, dark brown to light brown.		
3							
3.5			SM		SILTY FINE SAND with roots, loose, wet, brown.		
4							
4.0					Bottom of hole at 4.0 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-27

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/28/11 **DATE COMPLETED** 9/28/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hollow Stem Auger

HOLE DIAMETER 8 inches **GROUNDWATER LEVEL** 6 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES Refused at 7' bgs

Concrete
USCS Well-graded Gravel
USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0.0					CONCRETE. 0.5		
		83	SM		SILTY MEDIUM TO FINE SAND some coarse to fine gravel, little coarse sand, very dense, dry, brown. 2.0		
2.5		63	GW		COARSE TO FINE GRAVEL and medium to fine sand, trace silt, common cobbles at 4' Augered to 5', very dense, dry, brown. 4.0		
5.0			SM		SILTY FINE SAND some coarse to fine gravel, trace coarse to medium sand, possible staining at 6', no odor, very dense, wet, brown. 7.0		
					Bottom of hole at 7.0 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-28

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/27/11 **DATE COMPLETED** 9/27/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hollow Stem Auger

HOLE DIAMETER 8 inches **GROUNDWATER LEVEL**

LOGGED BY P. Brousseau **CHECKED BY**

NOTES Refused at 5' bgs

Concrete

USCS Well-graded Sand with Silt

USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0					CONCRETE. 0.5		
1		50	SM		SILTY MEDIUM TO FINE SAND trace coarse sand and fine gravel, on cobble at 2', very dense, dry, brown. 2.0		
3		75	SW-SM		COARSE TO FINE GRAVELLY COARSE TO FINE SAND little silt, Refusal at 5' on cobble or boulder, very dense, dry, light brown.		
5		33			5.0		

Bottom of hole at 5.0 feet.

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-29

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/28/11 **DATE COMPLETED** 9/28/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hollow Stem Auger

HOLE DIAMETER 8 inches **GROUNDWATER LEVEL** 6 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

Concrete
USCS Well-graded Sand
USCS Poorly-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0.0					Concrete. 0.5		
		75	SP		MEDIUM TO FINE SAND little coarse to fine gravel, little silt, very dense, dry, brown. 2.0		
2.5		54	SP		MEDIUM TO FINE SAND little fine gravel, coarse sand, trace silt with common cobbles and boulders to 5'. Augered to 5', very dense, dry, brown. 4.0		
5.0		58	SW		COARSE TO FINE GRAVELLY MEDIUM TO FINE SAND little coarse sand, trace silt, very dense, brown. 7.0		
					Bottom of hole at 7.0 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-30/ ERM-04

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/29/11 **DATE COMPLETED** 9/29/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hollow Stem Auger

HOLE DIAMETER 8 inches **GROUNDWATER LEVEL** 6.2 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES Refused at 9.25' bgs

Concrete

USCS Poorly-graded Sand with Silt

USCS Poorly-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0.0					Concrete. 0.5		
		88	SP		MEDIUM TO FINE SAND some coarse to fine gravel, trace silt, coarse sand, very dense, dry, brown. 2.0		
2.5		71	SP-SM		COARSE TO FINE GRAVELLY COARSE TO FINE SAND trace silt, cobbles from 4 to 4.5'. Augered to 5', dense, dry, brown. 4.0		
5.0		63	SP-SM		COARSE TO FINE GRAVELLY COARSE TO FINE SAND trace silt, frequent cobbles and boulders from 5-8.5' caused the auger to walk making the boring angled. Augered to refusal at 9.25', very dense, moist - wet, brown. 7.0		
7.5							

Bottom of hole at 9.3 feet.

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-31

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/29/11 **DATE COMPLETED** 9/29/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hollow Stem Auger

HOLE DIAMETER 8 inches **GROUNDWATER LEVEL** 6.2 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

Concrete

USCS Well-graded Sand with Silt

USCS Well-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0.0					Concrete. 0.5		
		83	SW		COARSE TO FINE SAND some coarse to fine gravel, trace silt, dense, dry, brown. 2.0		
2.5		46	SW-SM		COARSE TO FINE GRAVELLY COARSE TO FINE SAND trace silt, dense, dry, brown. 4.0		
5.0		67	SW		COARSE TO FINE GRAVELLY MEDIUM TO FINE SAND little coarse sand, with a piece coarse gravel in the spoon tip. Spoon refusal at 6', dense, dry, brown. 6.0		
			SW-SM		COARSE TO FINE GRAVELLY COARSE TO FINE SAND trace silt, very dense, wet, brown. 7.2		
					Bottom of hole at 7.2 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-32/ ERM-05

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/29/11 **DATE COMPLETED** 9/29/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hollow Stem Auger

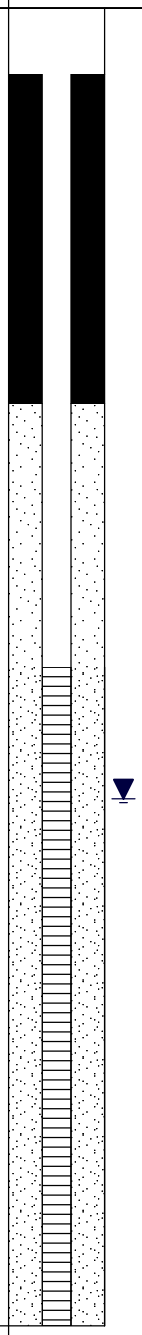
HOLE DIAMETER 8 inches **GROUNDWATER LEVEL** 6 ft bgs

LOGGED BY P. Brousseau **CHECKED BY**

NOTES Refused at 10' bgs

Concrete
USCS Well-graded Sand
USCS Poorly-graded Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0.0					Concrete. 0.5		
			SP		Augered straight to 10' to install the well. No samples collected. Soil descriptions from Auger cuttings.. 1.0		
2.5			SP		MEDIUM TO FINE SAND some coarse to fine gravel, trace silt with cobbles at 3.5', dry to moist, brown. 5.0		
5.0			SW		COARSE TO FINE GRAVELLY FINE SAND little coarse to medium sand, trace silt. Wet at 7', moist - wet, brown. 8.0		
7.5			SW		FINE GRAVELLY MEDIUM TO FINE SAND little coarse sand, trace coarse gravel, wet, brown. 10.0		
10.0					Bottom of hole at 10.0 feet.		



ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-33

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/28/11 **DATE COMPLETED** 9/28/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL**

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

Topsoil

USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0			ML		FINE SANDY SILT trace medium sand, trace fine gravel with roots, loose, moist, dark brown.		
					0.8		
			SM		SILTY FINE SAND trace coarse sand, trace, fine gravel with roots, loose, moist, dark brown.		
1							
2					2.0		
					Bottom of hole at 2.0 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-34

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/28/11 **DATE COMPLETED** 9/28/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL**

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

Topsoil
USCS Silty Sand
USCS Sandy Silt

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0			ML		FINE SANDY SILT little coarse to fine gravel, trace medium to fine sand, loose, moist, dark brown.		
					0.8		
			SM		SILTY FINE SAND little coarse to medium sand, loose, moist, dark brown.		
1					1.5		
			SM		SILTY MEDIUM TO FINE SAND some coarse to fine gravel, with occasional roots, liquified, moist, dark brown.		
2					2.0		
					Bottom of hole at 2.0 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-35

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/28/11 **DATE COMPLETED** 9/28/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL**

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

Topsoil | USCS Silt | USCS Well-graded Sand | USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0			SM		SILT little coarse to fine sand, trace fine gravel, with roots, very loose, moist, dark brown.		
					0.3		
			SW		COARSE TO FINE SAND medium dense, moist, grey-brown.		
					0.8		
			ML		SILT little coarse to fine sand, trace fine gravel with wood fragments and roots, moist, dark brown.		
1					1.0		
			SM		SILTY FINE SAND some coarse to fine gravel, trace coarse to medium sand with wood fragments, glass and roots, moist, dark brown.		
2					2.0		
					Bottom of hole at 2.0 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-36

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/28/11 **DATE COMPLETED** 9/28/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL**

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

USCS Poorly-graded Gravel

USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0			GP		FINE GRAVEL AND MEDIUM TO FINE SAND trace silt, coarse sand, with roots, loose, moist, dark brown.		
0.5			SM		SILTY FINE SAND trace coarse to medium sand, fine gravel. Refusal on cobble at 2', loose, moist, brown.		
1							
2							
2.0					Bottom of hole at 2.0 feet.		

ERM
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Telephone: (860)466-8500

SB-37

Client: Kaman **Project Name:** Project Green

Project Number: 0140857 **Project Location:** 25 Performance Drive, Bennington, VT

DATE STARTED 9/29/11 **DATE COMPLETED** 9/29/11

DRILLING CONTRACTOR Geosearch, Inc. **DRILLING METHOD** Hand Auger

HOLE DIAMETER 3 inches **GROUNDWATER LEVEL**

LOGGED BY P. Brousseau **CHECKED BY**

NOTES

USCS Silt

USCS Silty Sand

DEPTH (ft)	SAMPLE ID	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	CONSTRUCTION DIAGRAM
0			ML		SILT trace medium to fine sand, fine gravel, with roots, loose, moist, dark brown.		
0.5			SM		SILTY FINE SAND little coarse to fine gravel, TRACE COARSE SAND, loose, moist - wet, brown.		
1			ML		FINE SANDY SILT trace clay, organic odor, slightly plastic, wet, gray.		
1.5							
2							
2.0					Bottom of hole at 2.0 feet.		

ATTACHMENT 4

FIELD NOTES

Site Name: Project Green- Bennington, VT
Low-Flow Groundwater Sampling Form

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

Well ID: ERM-01	
Date: 8/10/11	Tubing used: 12 ft
Sampling Personnel: JPD	Silicone tubing used: 6" ft
Weather Conditions: Sunny 80°F	Field filter used:
Time: 1305	
YSI Unit Serial Number:	
Total Depth (T.D.): 11.60	Screen Length: 10'
Depth to Water (D.T.W): (1) 2.85	Well Diameter: 2"
Total Volume Purged: 2 gal	Casing Type: PVC
Average Purge Rate: 120 mL/min	Sampling Device: YSI/Peri
Tubing Type: Poly	Measuring Point: TOC
Pump Intake (ft below M.P.): 8'	color*: Ø odor*: Ø

Time: (min)	DTW: (feet)	Purge Rate (ml/min)	Temp (°C)	SpC (uS/cm)	Cond (uS/cm)	DO (mg/L)	Turbidity	pH (std units)	ORP mV
Stabalization Criteria[2]	(see note below)[3]		+/- 3%	+/- 3%	+/- 3%	+/- 10%[4]	+/- 3%	+/- 0.1 unit	+/- 10 mV
0:00	2.85	200	26.00	851	867	2.93	11.1	7.52	104.1
5:00	2.85	150	24.73	853	848	2.61	12.2	7.42	151.8
10:00	2.85	130	23.93	871	854	3.25	11.13	7.18	95.1
15:00	2.85	120	23.98	873	855	3.38	7.52	7.16	80.3
20:00	2.85	120	23.91	875	857	3.38	7.16	7.16	76.7
25:00	2.85	120	23.82	875	855	3.40	6.41	7.15	81.2
30:00	2.85	120	23.87	873	852	3.43	4.77	7.15	82.1
35:00	2.85	120	23.50	874	849	3.45	4.11	7.16	78.3
40:00	2.85	120	23.58	873	850	3.45	4.19	7.16	76.7
45:00	2.85	120	23.59	873	850	3.45	4.17	7.16	80.3
50:00									
55:00									
60:00									
65:00									
70:00									
75:00									
80:00									
85:00									
90:00									
95:00									
100:00									

JPD

Sampling Time: 1400

DUP or MS/MSD: Ø

Bottles Collected:	Analysis Requested:	Preservative:	Lab:
☒ 2 40mL VOAs	VOCs	HCl	~~Alpha~~ Spectrum
☐ 2 40mL VOAs	TPH 8015	HCl	~~Alpha~~

Notes:
(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Stabilization criteria based on three most recent consecutive measurements.
(3) - Total drawdown in well to be less than 0.1 m (0.32 ft). Purging rate to be lowered as necessary to keep drawdown below 0.1 m (0.32 ft).
(4) - Unless DO < 0.30 for three consecutive readings.
*Record color and odor at time of sample collection

Site Name: Project Green- Bennington, VT
Low-Flow Groundwater Sampling Form

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

Well ID: ERM-02	
Date: 8/18/11	Tubing used: 12 ft
Sampling Personnel: JPM	Silicone tubing used: 6" ft
Weather Conditions: Cloudy 70°F	Field filter used: Ø
Time: 945	
YSI Unit Serial Number: 99K005AC	
Total Depth (T.D.): 11.65	Screen Length: 10'
Depth to Water (D.T.W): (1) 5.45	Well Diameter: 2"
Total Volume Purged: 1.5 gal	Casing Type: PVC
Average Purge Rate: 110 ml/min	Sampling Device: YSI / Peri
Tubing Type: Poly	Measuring Point: TOC
Pump Intake (ft below M.P.): 8'	color*: Ø odor*: Ø

Time: (min)	DTW: (feet)	Purge Rate (ml/min)	Temp (°C)	SpC (uS/cm)	Cond (uS/cm)	DO (mg/L)	Turbidity	pH (std units)	ORP mV
Stabalization Criteria[2]	(see note below)[3]		+/- 3%	+/- 3%	+/- 3%	+/- 10%[4]	+/- 3%	+/- 0.1 unit	+/- 10 mV
0:00	5.45	200	17.74	431	369	5.12	24.1	7.05	135.5
5:00	5.45	120	16.43	444	372	3.79	14.4	6.89	158.5
10:00	5.45	110	16.22	448	373	3.73	7.61	6.88	168.0
15:00	5.45	110	16.29	448	373	3.74	5.72	6.88	175.0
20:00	5.45	110	16.25	448	373	3.76	3.88	6.88	180.0
25:00	5.45	110	16.33	447	373	3.76	3.39	6.89	183.2
30:00	5.45	110	16.30	448	3.73	3.77	3.31	6.89	183.0
35:00	5.45	110	16.31	448	3.73	3.76	3.35	6.89	182.1
40:00									
45:00									
50:00									
55:00									
60:00									
65:00									
70:00									
75:00									
80:00									
85:00									
90:00									
95:00									
100:00									

Sampling Time: 1030

DUP or MS/MSD: Ø

Bottles Collected:	Analysis Requested:	Preservative:	Lab:
☒ 2 40mL VOAs	VOCs	HCl	~~Alpha~~ Spectrum
☒ 2 ~~40mL VOAs~~ 1L Amber	TPH 8015	HCl	~~Alpha~~

Notes:
(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Stabilization criteria based on three most recent consecutive measurements.
(3) - Total drawdown in well to be less than 0.1 m (0.32 ft). Purging rate to be lowered as necessary to keep drawdown below 0.1 m (0.32 ft).
(4) - Unless DO < 0.30 for three consecutive readings.
*Record color and odor at time of sample collection

Site Name: Project Green- Bennington, VT
Low-Flow Groundwater Sampling Form

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

Well ID:	ERM-02		
Date:	8/10/11	Tubing used:	Poly 12' ft
Sampling Personnel:	JPD	Silicone tubing used:	6" ft
Weather Conditions:	Cloudy 70°F	Field filter used:	Ø
Time:	815		
YSI Unit Serial Number:	09K0055AC		
Total Depth (T.D.):	11.58	Screen Length:	10'
Depth to Water (D.T.W): (1)	5.01	Well Diameter:	2"
Total Volume Purged:	2 gal	Casing Type:	PVC
Average Purge Rate:	110 mL/min	Sampling Device:	YSI / Rei
Tubing Type:	Poly	Measuring Point:	TOC
Pump Intake (ft below M.P.):	8'	color*: Ø	odor*: Ø

Time: (min)	DTW: (feet)	Purge Rate (ml/min)	Temp (°C)	SpC (uS/cm)	Cond (uS/cm)	DO (mg/L)	Turbidity	pH (std units)	ORP mV
Stabalization Criteria[2]	(see note below)[3]		+/- 3%	+/- 3%	+/- 3%	+/- 10%[4]	+/- 3%	+/- 0.1 unit	+/- 10 mV
0:00	5.01	200	17.53	351	300	3.10	15.9	7.55	120.8
5:00	5.34	110	17.36	320	274	2.41	18.8	7.18	126.9
10:00	5.34	110	17.07	308	261	1.91	23.0	7.05	80.4
15:00	5.34	110	17.08	315	267	1.84	24.3	7.06	60.4
20:00	5.34	110	17.11	316	269	1.80	22.9	7.06	44.6
25:00	5.34	110	17.11	310	264	1.81	16.5	7.04	38.5
30:00	5.34	110	16.97	303	257	1.89	14.2	7.04	37.9
35:00	5.34	110	16.99	301	255	1.87	12.4	7.02	35.5
40:00	5.34	110	16.99	301	254	1.89	12.1	7.02	33.3
45:00	5.34	110	16.98	302	255	1.88	12.3	7.02	31.4
50:00									
55:00									
60:00									
65:00									
70:00									
75:00									
80:00									
85:00									
90:00									
95:00									
100:00									

JPD

Sampling Time: 900

DUP or MS/MSD: DUP-001

Bottles Collected:	Analysis Requested:	Preservative:	Lab:
☒ 2 40mL VOAs	VOCs	HCl	~~Alpha~~ Spectrum
☐ 2 ~~40mL VOAs~~ L	TPH 8015	HCl	~~Alpha~~

Notes:
(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Stabilization criteria based on three most recent consecutive measurements.
(3) - Total drawdown in well to be less than 0.1 m (0.32 ft). Purging rate to be lowered as necessary to keep drawdown below 0.1 m (0.32 ft).
(4) - Unless DO < 0.30 for three consecutive readings.
*Record color and odor at time of sample collection

Site Name: Project Green
Low-Flow Groundwater Sampling Form

Project # 0140857

Well ID: ERM-04
Date: 10/6/11
Sampling Personnel: S. Seekins
Weather Conditions: INDOORS
Time: 15:45
YSI File Name: *YSI Unit Serial Number:*
Total Depth (T.D.): ≈9.25' Actual = 9.10' Screen Length: 5'
Depth to Water (D.T.W): (1) Well Diameter: 2
Total Volume Purged: 6.16' Casing Type: PVC
Average Purge Rate: 100 ml/min Sampling Device: low-flow/peristaltic
Tubing Type: polypropylene Measuring Point: TOC
Pump Intake (ft below M.P.): ≈ 6.75' color*: clear odor*: none

	Time: (min) Stabalization Criteria[2]	DTW: (feet) (see note below)[3]	Purge Rate (ml/min)	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	Cond (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	ORP mV +/- 10 mV	Turb (NTU) +/- 10%
32	0	6.34	100	19.7	586	526	1.56	7.25	87.3	5.84
35	3	6.40	↓	19.7	567	510	1.78	7.33	86.3	11.4
38	6	6.41	↓	19.8	567	510	2.35	7.22	87.4	13.6
41	9	6.41	↓	19.8	571	514	2.83	7.06	86.5	10.84
44	12	↓	↓	19.7	576	519	2.85	6.98	85.2	7.06
47	15	↓	↓	19.7	580	521	3.13	6.93	83.9	2.78
50	18	↓	↓	19.7	582	524	3.19	6.89	82.9	2.59
53	21	↓	↓	19.7	583	524	3.13	6.88	82.5	2.64
	24									
	27									
	30									
	33									
	36									
	39									
	42									
	45									
	48									
	51									
	54									
	57									
	60									

Sampling Time: 16:10 **Sampling Time according to YSI:**

Bottles Collected: 3 HCL VOAs
Analysis Requested: VOC 8260 Full Suite
Preservative: HCL
Lab: SA

Notes:
(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Stabilization criteria based on three most recent consecutive measurements.
(3) - Total drawdown in well to be less than 0.1 m (0.32 ft). Purging rate to be lowered as necessary to keep drawdown below 0.1 m (0.32 ft).
*Record color and odor at time of sample collection

Static Volume = (πr2/144)(H)(7.48)

Site Name: Project GREEN Project # 0140857

Low-Flow Groundwater Sampling Form

Well ID: EPM-05

Date: 10/6/11

Sampling Personnel: S. Spokins

Weather Conditions: INDOORS

Time: 14:50

YSI File Name: *YSI Unit Serial Number:*

Total Depth (T.D.): ≈ 10' Actual = 8.95' Screen Length: 5'

Depth to Water (D.T.W): (1) 6.23' Well Diameter: 2

Total Volume Purged: ~ 3.0 L Casing Type: PVC

Average Purge Rate: 100 ml/min Sampling Device: low-flow/peristaltic

Tubing Type: polypropylene Measuring Point: TOC

Pump Intake (ft below M.P.): ≈ 7.5' color*: Clear odor*: None

	Time: (min) Stabalization Criteria[2]	DTW: (feet) (see note below)[3]	Purge Rate (ml/min)	Temp (°C) +/- 3%	SpC (uS/cm) +/- 3%	Cond (uS/cm) +/- 3%	DO (mg/L) +/- 10%	pH (std units) +/- 0.1 unit	ORP mV +/- 10 mV	Turb (NTU) +/- 10%
47	0	6.25	100	19.3	618	551	3.55	6.87	97.1	32.1
50	3	6.26		19.2	618	550	3.12	6.83	93.5	15.5
53	6			19.2	616	548	3.15	6.81	90.4	11.6
56	9			19.2	616	548	3.17	6.81	88.5	8.64
59	12			19.2	615	547	3.18	6.81	86.8	6.88
02	15			19.2	614	547	3.17	6.81	85.7	5.61
05	18			19.2	614	546	3.19	6.80	84.7	5.78
08	21			19.2	614	546	3.19	6.80	83.7	6.29
11	24			19.2	614	546	3.16	6.80	82.8	4.90
14	27			19.2	614	546	3.19	6.80	82.1	5.12
17	30			19.3	614	547	3.20	6.80	81.4	4.95
	33									
	36									
	39									
	42									
	45									
	48									
	51									
	54									
	57									
	60									

Sampling Time: 15:30 **Sampling Time according to YSI:**

Bottles Collected:	Analysis Requested:	Preservative:	Lab:
3 HCL VOAs	VOCs 8260 Full Suite	HCL	SA

Notes:

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Stabilization criteria based on three most recent consecutive measurements.
(3) - Total drawdown in well to be less than 0.1 m (0.32 ft). Purging rate to be lowered as necessary to keep drawdown below 0.1 m (0.32 ft).
*Record color and odor at time of sample collection

Static Volume = (πr2/144)(H)(7.48)

Site Name: Project Green- Bennington, VT
Low-Flow Groundwater Sampling Form

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

Well ID: MW-01			
Date: 8/10/11	Tubing used:	13	ft
Sampling Personnel: JM	Silicone tubing used:	6"	ft
Weather Conditions: Sunny 80°F	Field filter used:	Ø	
Time: 1105			
YSI Unit Serial Number:			
Total Depth (T.D.): 8.50	Screen Length: Unknown		
Depth to Water (D.T.W): (1) 0.0	Well Diameter: 2"		
Total Volume Purged: 1.5 gal	Casing Type: PVC		
Average Purge Rate: 120 mL/min	Sampling Device: Peri/YSI		
Tubing Type: Poly	Measuring Point: TOC		
Pump Intake (ft below M.P.): 6'	color*: Ø	odor*: Ø	

Time: (min)	DTW: (feet)	Purge Rate (ml/min)	Temp (°C)	SpC (uS/cm)	Cond (uS/cm)	DO (mg/L)	Turbidity	pH (std units)	ORP mV
Stabalization Criteria[2]	(see note below)[3]		+/- 3%	+/- 3%	+/- 3%	+/- 10%[4]	+/- 3%	+/- 0.1 unit	+/- 10 mV
0:00	0.0*	200	14.86	568	458	5.30	9.14	7.59	124.5
5:00	0.0	150	13.91	570	449	4.33	5.65	7.48	150.3
10:00	0.0	120	13.70	570	446	4.13	4.67	7.41	182.6
15:00	0.0	120	13.70	570	447	4.03	2.37	7.37	208.0
20:00	0.0	120	13.20	570	441	3.97	4.14	7.38	231.5
25:00	0.0	120	13.21	569	441	3.96	4.24	7.39	233.2
30:00	0.0	120	13.34	570	443	3.91	4.20	7.41	236.9
35:00	0.0	120	13.41	570	444	3.88	4.14	7.41	241.2
40:00	0.0	120	13.46	570	444	3.88	4.19	7.41	244.4
45:00									
50:00									
55:00									
60:00									
65:00									
70:00									
75:00									
80:00									
85:00									
90:00									
95:00									
100:00									

Sampling Time: 1145

DUP or MS/MSD:

Bottles Collected:	Analysis Requested:	Preservative:	Lab:
☒ 2 40mL VOAs	VOCs	HCl	~~Alpha~~
☑ 2 ~~40mL VOAs~~ 1L Amber	TPH 8015	HCl	~~Alpha~~ Spectrum

Notes:
(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Stabilization criteria based on three most recent consecutive measurements.
(3) - Total drawdown in well to be less than 0.1 m (0.32 ft). Purging rate to be lowered as necessary to keep drawdown below 0.1 m (0.32 ft).
(4) - Unless DO < 0.30 for three consecutive readings.
*Record color and odor at time of sample collection

* Roadway flooded - WT @ gs

Site Name: Project Green- Bennington, VT
Low-Flow Groundwater Sampling Form

ERM
399 Boylston Street, 6th Floor
Boston, MA 02116

Well ID: MW-02	
Date: 8/10/11	Tubing used: 13 ft
Sampling Personnel: JPM	Silicone tubing used: 6" ft
Weather Conditions: Sunny 85°F	Field filter used: Ø
Time: 1420	
YSI Unit Serial Number:	
Total Depth (T.D.): 8.15	Screen Length: Unknown
Depth to Water (D.T.W): (1) 3.65	Well Diameter: 2"
Total Volume Purged: 2 gal	Casing Type: PVC
Average Purge Rate: 120 ml/min	Sampling Device: Peri/YSI
Tubing Type: Poly	Measuring Point: TOC
Pump Intake (ft below M.P.): 6'	color*: Ø odor*: Ø

Time: (min)	DTW: (feet)	Purge Rate (ml/min)	Temp (°C)	SpC (uS/cm)	Cond (uS/cm)	DO (mg/L)	Turbidity	pH (std units)	ORP mV
Stabalization Criteria[2]	(see note below)[3]		+/- 3%	+/- 3%	+/- 3%	+/- 10%[4]	+/- 3%	+/- 0.1 unit	+/- 10 mV
0:00	3.65	200	25.33	961	967	-455	52.9	7.11	128.7
5:00	3.65	150	24.26	946	937	2.94	55.0	6.96	166.7
10:00	3.65	120	23.48	923	897	2.53	5.49	6.93	211.1
15:00	3.65	120	23.30	916	887	2.35	3.41	6.93	214.6
20:00	3.65	120	23.22	913	882	2.24	2.66	6.93	215.4
25:00	3.65	120	23.44	909	882	2.16	~~2.16~~ 1.77	6.92	216.8
30:00	3.65	120	23.56	907	882	2.09	1.12	6.91	220.2
35:00	3.65	120	23.64	905	882	2.05	0.66	6.90	220.0
40:00	3.65	120	23.62	905	882	2.05	0.65	6.90	230.3
45:00	3.65	120	23.62	905	882	2.05	0.63	6.89	230.3
~~50:00~~									
55:00									
60:00									
65:00									
70:00									
75:00									
80:00									
85:00									
90:00									
95:00									
100:00									

JPM

Sampling Time: 1500

DUP or MS/MSD:

Bottles Collected:	Analysis Requested:	Preservative:	Lab:
☒ 2 40mL VOAs	VOCs	HCl	~~Alpha~~ Spectrum
☒ 2 ~~40mL VOAs~~ 1L Amber	TPH 8015	HCl	~~Alpha~~

Notes:
(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Stabilization criteria based on three most recent consecutive measurements.
(3) - Total drawdown in well to be less than 0.1 m (0.32 ft). Purging rate to be lowered as necessary to keep drawdown below 0.1 m (0.32 ft).
(4) - Unless DO < 0.30 for three consecutive readings.
*Record color and odor at time of sample collection

Site Name: Project GREEN Project # 014857

Low-Flow Groundwater Sampling Form

Well ID: MW-03

Date: 10/6/11

Sampling Personnel: S. Seekins

Weather Conditions: Sunny, 65°F

Time: 13:40

YSI File Name: *YSI Unit Serial Number:*

Total Depth (T.D.): ≈ 6.25 Actual = 7.5' Screen Length: Unknown

Depth to Water (D.T.W): (1) 2.32 Well Diameter: 2

Total Volume Purged: ~3 L Casing Type: PVC

Average Purge Rate: 100 ml/min Sampling Device: low-flow/peristaltic

Tubing Type: polypropylene Measuring Point: TOC

Pump Intake (ft below M.P.): ≈ 5' color*: clear odor*: none

	Time: (min)	DTW: (feet)	Purge Rate (ml/min)	Temp (°C)	SpC (uS/cm)	Cond (uS/cm)	DO (mg/L)	pH (std units)	ORP mV	Turb (NTU)
	Stabalization Criteria[2]	(see note below)[3]		+/- 3%	+/- 3%	+/- 3%	+/- 10%	+/- 0.1 unit	+/- 10 mV	+/- 10%
37	0	2.50	100	16.9	327.3	276.7	1.74	7.81	95.4	24.2
40	3	2.50		16.9	312.4	263.4	0.99	7.24	86.7	21.7
43	6			16.9	300.0	253.4	1.63	6.98	85.1	10.12
46	9			16.9	295.1	249.6	1.78	6.85	84.2	6.77
49	12			16.9	293.7	248.5	1.78	6.78	83.4	4.23
52	15			16.9	293.6	248.0	1.80	6.75	82.8	3.05
55	18			16.9	294.1	248.7	1.72	6.72	81.5	3.03
58	21			16.9	293.9	248.6	1.76	6.70	81.3	2.51
01	24			16.9	293.7	248.7	1.73	6.69	80.8	0.96
04	27			16.9	293.6	247.5	1.72	6.68	80.4	1.01
07	30			16.9	293.7	248.0	1.73	6.69	80.3	1.03
	33									
	36									
	39									
	42									
	45									
	48									
	51									
	54									
	57									
	60									

Sampling Time: 14:30 **Sampling Time according to YSI:**

Bottles Collected:	Analysis Requested:	Preservative:	Lab:
3 HCl VOAS	VOCs 8260 Full Suite	HCL	SA
1 HCL 1L+ Amber	TPH DRO 8015	HCL	SA

Notes:
(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Stabilization criteria based on three most recent consecutive measurements.
(3) - Total drawdown in well to be less than 0.1 m (0.32 ft). Purging rate to be lowered as necessary to keep drawdown below 0.1 m (0.32 ft).
*Record color and odor at time of sample collection

Static Volume = (πr2/144)(H)(7.48)

Location VT Composites Date 9-27-11

Project / Client 3-2221-1 DMM#45

65-75° partly cloudy

on-site: 10:00

Fitchburg, Mass Davey Drill

Geosearch - DK 525 -

Drillers...

~~MATT~~ Mark + Rodney

978-348-1989

Deet Mosquito repellant used.

Transformer Soils

Brn Humid FS, Lit. SLT

Tr GVL TO 3.7'

SB23 TD - 4.5' Deep.

Native 3.7-4.5' Brn Mot. moist,

mod dense SLt + FS

SB24 TD 2.5 FBGS

0-2' Brn Hum FS L. SLT Tr GVL

2-2.5' Tan Dry F+MS,

Lit SA GVL.

DM

Location VT Composites Date 9-27-11

Project / Client D. Maynard FB DMM#45

Water Levels

Well	SU (FAGS)	WL FBTOC	Time
MW-01	-0.02	>+0.02 Artesian	12:59 Flowing
ERM-02	-0.2	5.03	13:07
ERM-03	-0.2	4.52	13:12
MW-03	-0.1	2.45	13:17
MW-02	-0.5	3.17	13:23
ERM-1	-0.45	2.18	13:32

	TOC	WL	WL Elev
MW01	100		>100
ERM-02	99.55		94.52
ERM-03	98.42		93.90
MW03	93.81		91.36
MW02	93.71		90.54
ERM-1	96.17		93.99

Top concrete slab 101.15

EAST DOOR #20

DM

Location VT. Composites Date 9-27-11

Project / Client D. Maynard

3-2221-1 DMM #45

In Core Assembly Room:
install SSpoon + well - SB27 - ERM04
~9 FT West of N. Floor Drain
10-inch Concrete Cover

Conc. thickness - 6 inch.
1/4" mesh in Lower 1-2 inches

core SB-28 (~3' W of mens room)
SS refusal @ 2 F.B. Top of concrete.
Brn Dry Loose
0.5-1.5 M+CS, Lit SLT, ang gvl Trc Peb
~14" rec. Quartize pebble in tip.
Auger TO 2'
SS2-4' 18" rec.
Dry Drn, Dense M+CS + SR GVL,
Lit-sm peb - SR Qtzite.
massive Trc SLT
SS4-5' (refus) 9 in. rec. - SAA
off site: TD -
7:30. Sample From
4-5 For VOC

EMM

Location Date 9-28-11

Project / Client DMM #45

onsite: 9:15 offsite 7:40
overcast, 65-70°F
showers SO. wind

Goals: PCB soil sampling
AS BG soil tests
indoor soil samples
+ well install.

Geosearch - erm on-site 10:00 AM
Emilie Wyner
~~Geosearch~~ Kevin GODIN
PCB samples core SB25
SE of transformer pad.
9.75' S + 5.5' E of SE cnr Pad.
0-1.9' Brn Humid Mass FS, Little SLT
Trc SAG.
refusal on cob
offset 2 1/2' E
Backfill w/ native.
0-2.5 SAA, grading Down TO
FS, sm SLT, trc Ang gvl
Orang Fine prom. mott ~ 2 FBG
2.5-3.25' TD Brn Hum FS+MS,
sm ang gvl, SILT Little SA peb SHC

Location VT Composites - Benn. Date 9-28-11

Project / Client DNM #45

3-2221-1 D. Maynard.

PCB SB-26

12.5' E + 3' N. of Pad SE CNR

0-4' TD Brn Hum. Mod Dense

FS + SLT, Lit-Tic ang-SA gvl

piece of plastic ~ 3 FBGS (FILL)

color change - Tan + orange

mottles 3-4 FBGS

Backfilled holes w/ Bent chips

SB25 + SB26.

SB 27 / ~~ERM 04~~ DM - 6" conc.

SS 0.5-2' 18" rec

Brn Dry Dense F+MS, Sm SA-SR

massive GVL, Little SILT, Peb, CS

(Quartzite)

SS 2-4' Same as Above 14" rec.

Auger to

Auger angled sideways - Cannot withdraw.

worked it out - Auger to 4' on Angle.

SS 4-6 (ref @ 6') 0.4' rec.

spoon wet @ tip.

SAA - but Dk. Brn + Black

Stains in Lower 0.1 F

DM

Location Date 9-28-11

Project / Client

Auger to 7 FBGS

check ⊻ - No water

Auger refusal @ 7 FBGS

Abandon Boring w/ no well

installed. - BFW Native, 1/2 Bag

Bent chips @ surface

move to SB-29 in fr

SS 0-2' 18" recovery

Brown Dry M + FS, Some SA-SR

GVL, Little SILT, Qtz pebbles, CS.

massive.

SS 2-4 15" recovery.

Same as above.

Auger to ~ 4 FBGS

SS-5-7 16" recovery

wet @ tip.

Orange + black stained F+MS,

Some SA-SR gvl, Little pebbles,

SILT

No water to 6.5' in

open hole

DM Back FILL as above for SB 27 DM

Location VT Composites Date 9-29-11

Project / Client DMM #45

D. Maynard

onsite 14:15

70-75° overcast, shovers
so. wind - Heavy rain @ 5pm.

purpose:
core inside BLDG +
install wells

New Driller's Girard
Helper

SS Core SB30 - ~9' W. of SB19

SS 0-2 21 in recovery
VOC samples from 1st spoon.
w/ Disposable syringe
2 DI Vials - 1 meoH

Tan/Brn Dry Dense massive
M+FS, Little SA GVL, SILT, CS
Trace Quartzite pebbles.

SS2-4' BRN/Tan. 1.3' Rec.
VOC samples collected
Dry mass. Dense
F+MS, Sm SA GVL, Little CS, QTZ
peb, SILT

DMM

Location Date 9-29-11

Project / Client

SB30 - cont.

Auger - cobbles @ 4' per
TO 5' Drill character

SS5-7' Hard Driving 5-5.5' (cob)
1.2' rec. wet @ 0.6'
VOC samples above/below ψ
apparent ψ = 6.5' ±

0-0.6 Brn Dry Dense
F+MS, Sm SA-SR GVL, QTZ Peb,
Little CS, SILT SHC

0.6-1.2' orange, Brn + Black
mottles, sa.a.
wet, Dense, massive

Auger - not plumb - rubbing
conc. @ edge of 10" hole
Hard Augering TO 7 FT.
SND, GVL + pebble spoil
@ 7' and deeper.
Auger to 9 FBGS
water table taped 7.5 FB Conc
caved TO 8'3" FB. Conc

DM.

Location VT. composites Date 9-29-11

Project / Client DMU # 45

D. Maynard.

install well in 5830 corehole
ERM-04
use 5' screen] TD = 8.5'
+ 3.5' riser
2" sched 40 PVC flush thread.

well TD 9.3
TS 4.1
pull augers to 5' (50# Bag)
1/3 Bag Sand Filpro # 2 ~1 FT HOLD
Sand @ 6 FT
Natural caved around screen
~ lower 2 FT.

Add 2/3 Bag Sand
pull augers to 5'
1/3 Top of well 0.9' B conc.
Add Sand @ 5 FT
Add ~~1/2 Bag~~ 1 Bag Sand to 3 FT (1 Bag)
Pull augers. - Add ~~one~~ TWO Bag Sand to 2 FT
pure Gold Bent chips
(1/2 50# Bag to 1.2)
(hole enlarged 3-5' visibly) DMM

Location Date 9-29-11

Project / Client

ADD Friction Coupling
(No glue) and 0.75 FT Riser.
New SG - 0.25 FB conc.
2/3 Bag chips to 6" (Base conc.)

Total 2 2/3 Bag Sand
1 1/3 Bag chips

ERM completed @ 17:30

Note - slight hydraulic fluid drip under ctr of Rig.
Decon Lead auger + New Auger head + Rods / Bullnose + spoons w/ soap + water (manic H2O) between holes + spoons between samples.

DM

Location VT. Composites Date 9-29-11

Project / Client DMM#45

D. Magnard.

Move to ~~SB31~~ pm - most western of all indoor Locations called. SB32 - ERM5

Logged from Auger Spoil no SS.

Spoil 0-3' Brn Dry F+MS Sm GVL, Lit SA pb, SLT

Cobbles @ 3.5'-4.5

3-5' SAA, but Rnd-SR Peb. increased to some,

(ran to 5' w/o Bull Nose, Augers Filled to ~ 3' w/spoil Hammer in Bull nose

cobbles 7-10

5-8' Brn FS+MS gn. SR GVL, peb, Lit SLT.

DM Wet spoil when Augers ~ 8'

Location Date 9-29-11

Project / Client

SB-32 / ERM5 Cont.

No spoil 8-10' (similar to SB30) @ 5-7 FT.

Auger Head has Red-Brn wet F+MS + SA GVL, Lit. SLT.

1:8:30 Dinner Break.

Driller calls refusal @ 10'

1/2 FT soil in Augers

7:02 ~0.3-0.4' H_2O in Augers

Pull up augers to 9.5 FT

Drop in plug to clear auger

Hole open to 10 FBGS

4.9' screen init TP = 9.5'

~~m~~ sump <0.1'

init SU = -0.2'

Pull auger to 8 add 1/2 Bag SND

pull Auger to 6 - pull to 5'

Add 1/2 Bag - Sand ~1.5' inside Auger

Pull Auger to 4' Sand @ 5'

Add 1 Bag sand - Pull Auger to 3'

SAND @ 4' Add 1/2 Bag Sand.

Pull Auger to 2' Sand @ 3'

DM 1/2 Bag Bent chips to 0.5 FB cont.

Location VT composites Date 9-29-11

Project / Client D. Maynard DMM#45

101.15-6.23 = 95.92

ERM-04 @ 6.0 FBTOC @ 8pm ~~95.15~~

SU - 0.23 FB conc.

SS SB-31 - midway between SB-30 + SB32

SS 0-2' VOC samples
1.9' rec. Pebble (Qtzite) in tip.
Tan/Brn Dry mass Dense
F+MS, Som SAGVL,
Litt. Qtz peb, SILT, CS

SS 2-4 1' rec peb in tip
Brn Dry Dense mass
F+MS, Sm SAG
Sm Qtz peb, Litt CS, SLT

DM

Location Date 9-29-11

Project / Client

SB-31 cont.

SS 4-6 (SS Hole open - No Auger)
refus. (Hole open to 5.5'
1.6' rec peb in tip
SAA.

SS 6-7.2 (No Auger)
Pound on Cobbles / Pebbles
to 6.2' - pull - SS empty
SS pound 6.2-7.2
0.6' rec. (nothing in tip)
0-0.3' Tan/Brn SAA (Poss slough)
0.3-0.6 Brn/orange Dense Mass
FS + MS + SAGVL, Litt SILT
Wet. VOC sample
TD 7.2' BF Native

All holes have 2" Bent. placed + hydrated Just Below slab.

DM

Location Vt. Composites Date 9-29-11

Project / Client D. Maynard pm#45

9:18 ERM-05 w/ 5.95 FBTOC

SU = -0.25

101.15 - 6.2 = 95.95

4 waste Drums

2 SOIL, 1 decon water

1/3 purge water

Cmt in ROAD Boxes over wells

Off site

10:45

PM

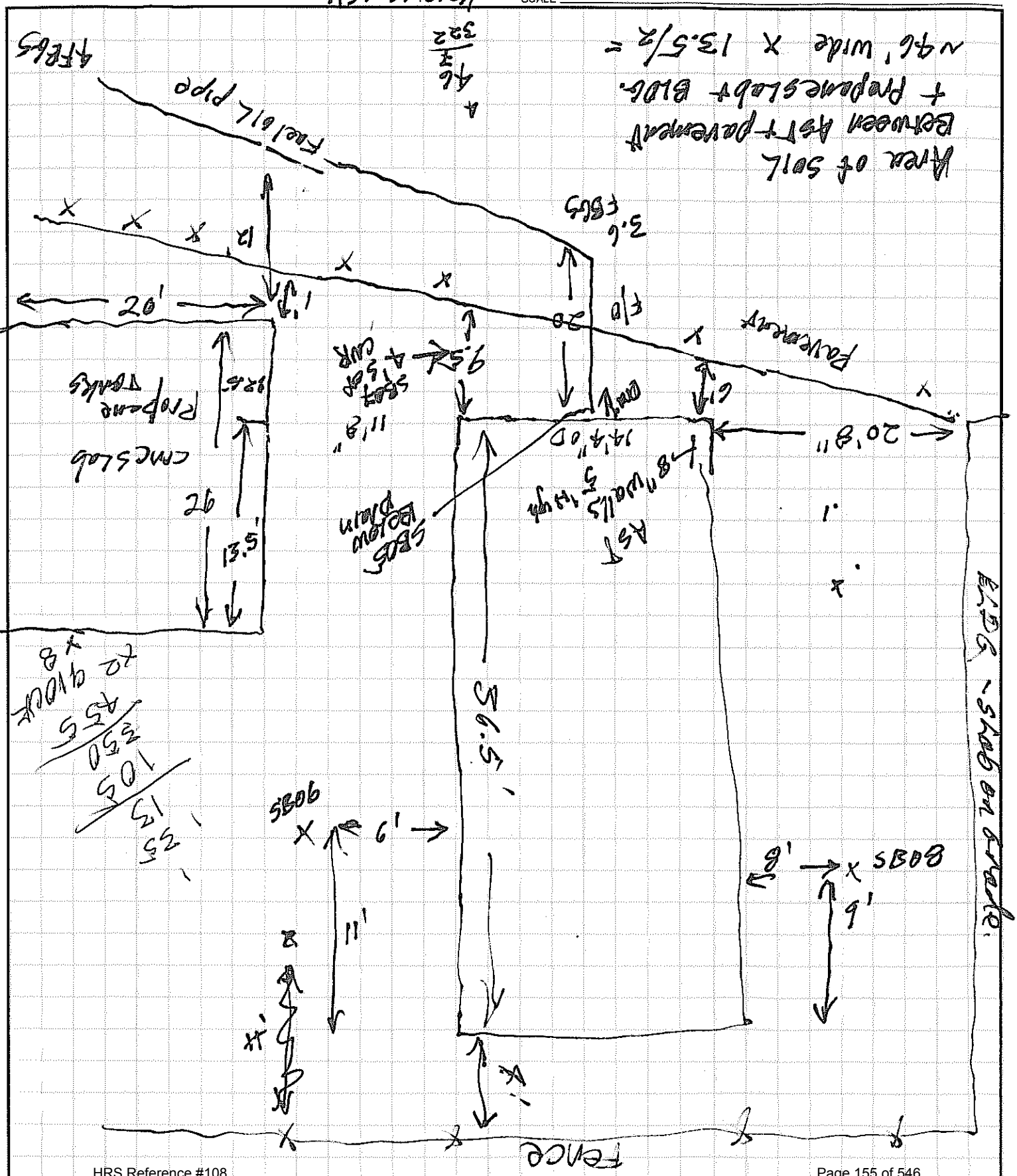
Location Date

Project / Client

THE JOHNSON CO., INC.
100 STATE ST #600
MONTPELIER, VT 05602
802-229-4600 , Fax 802-229-5876

JOB VT. composites
SHEET NO. ____ OF ____
CALCULATED BY WJ DATE 9-27-11
CHECKED BY ____ DATE ____
SCALE ____

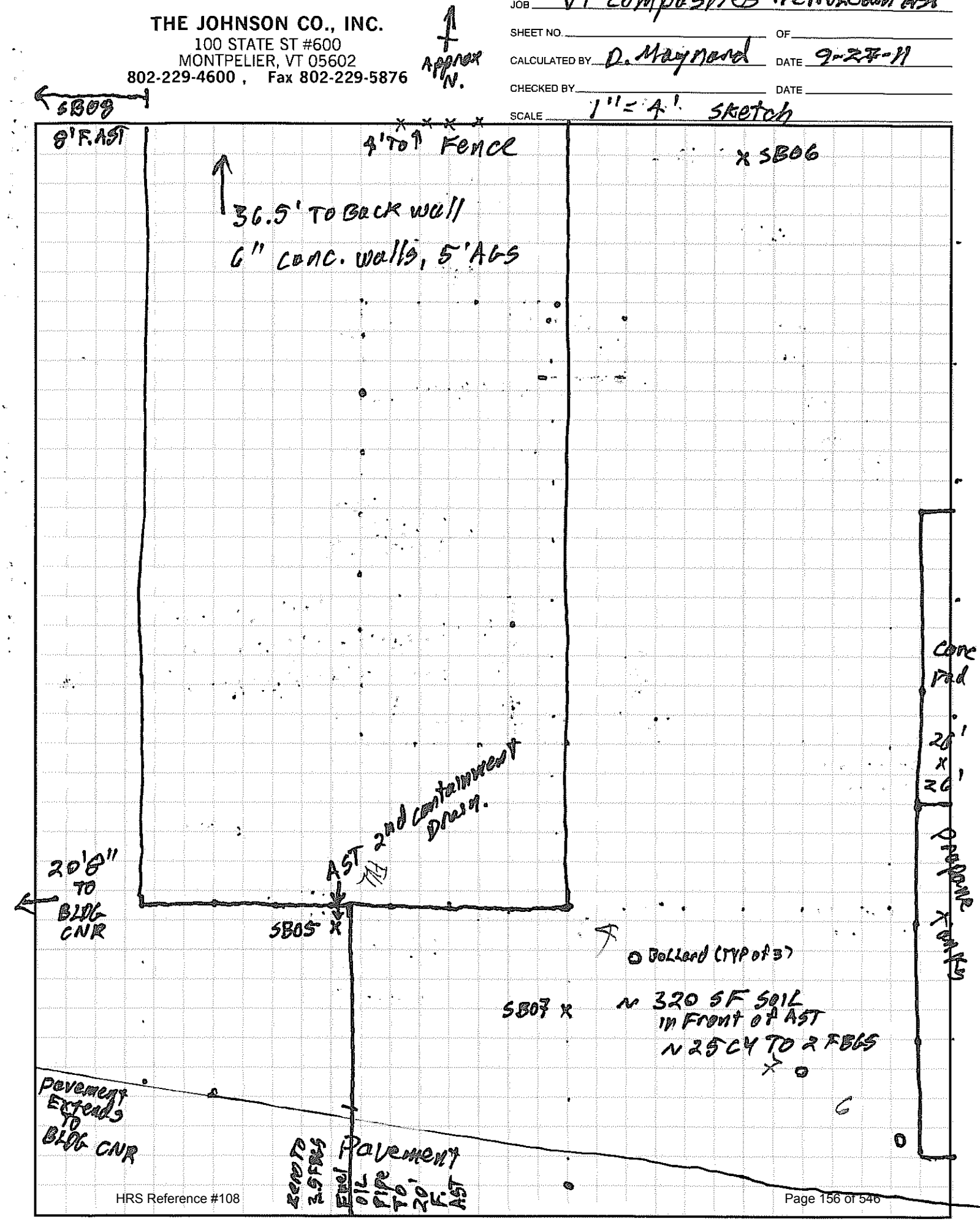
AST sketch



PRODUCT 204-1 (Single Sheets) 205-1 (Padded)

THE JOHNSON CO., INC.
100 STATE ST #600
MONTPELIER, VT 05602
802-229-4600 , Fax 802-229-5876

JOB VT composites - Petroleum AST
SHEET NO. ____ OF ____
CALCULATED BY D. Maynard DATE 9-27-11
CHECKED BY ____ DATE ____
SCALE 1" = 4' sketch

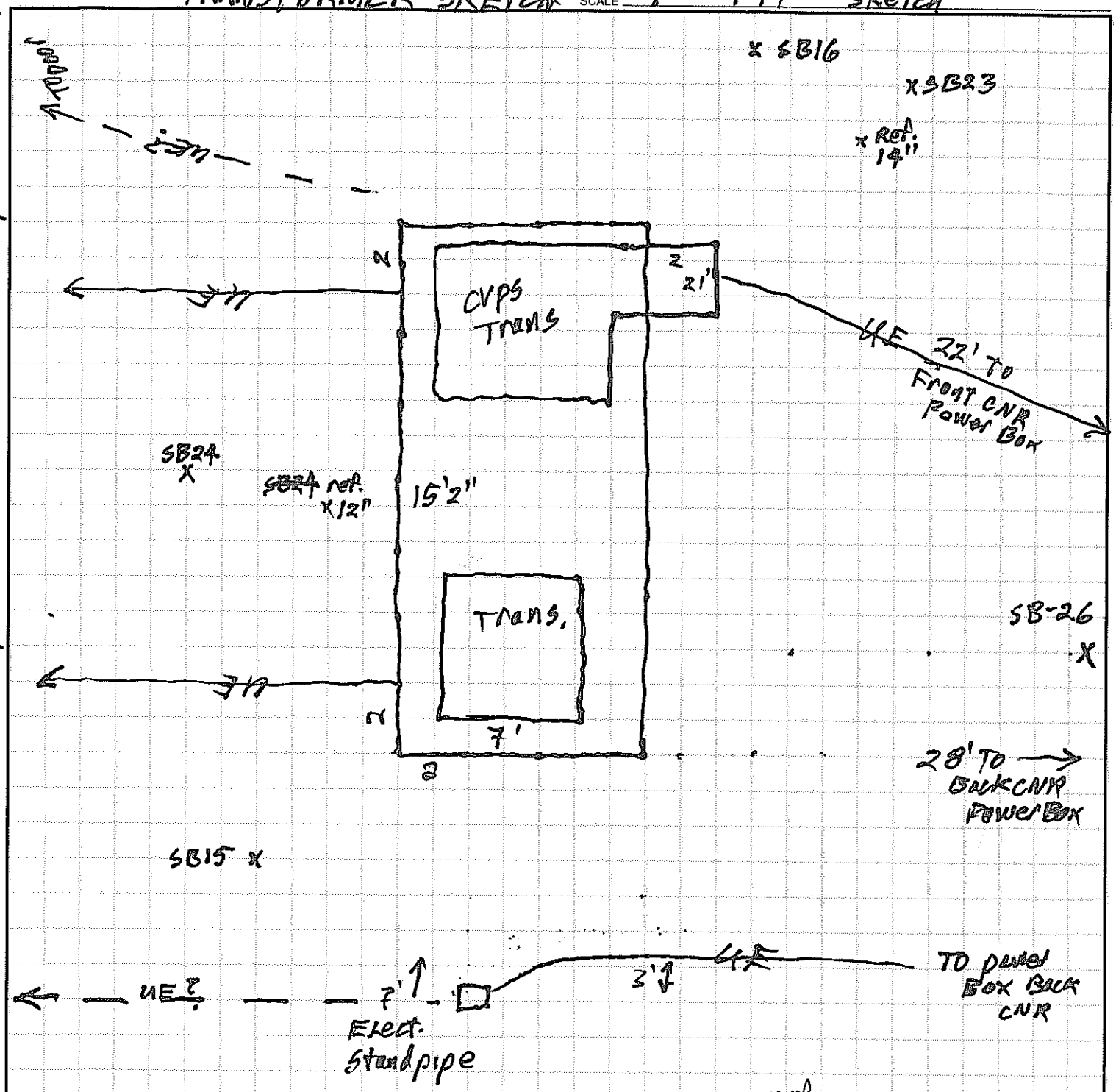


PRODUCT 204-1 (Single Sheets) 205-1 (Padded)

THE JOHNSON CO., INC.
100 STATE ST #600
MONTPELIER, VT 05602
802-229-4600 , Fax 802-229-5876

JOB VT Composites, Bennington
SHEET NO. ____ OF ____
CALCULATED BY DMaynard DATE 9-27-11
CHECKED BY ____ DATE ____
SCALE 1" = 4 FT sketch

TRANSFORMER SKETCH

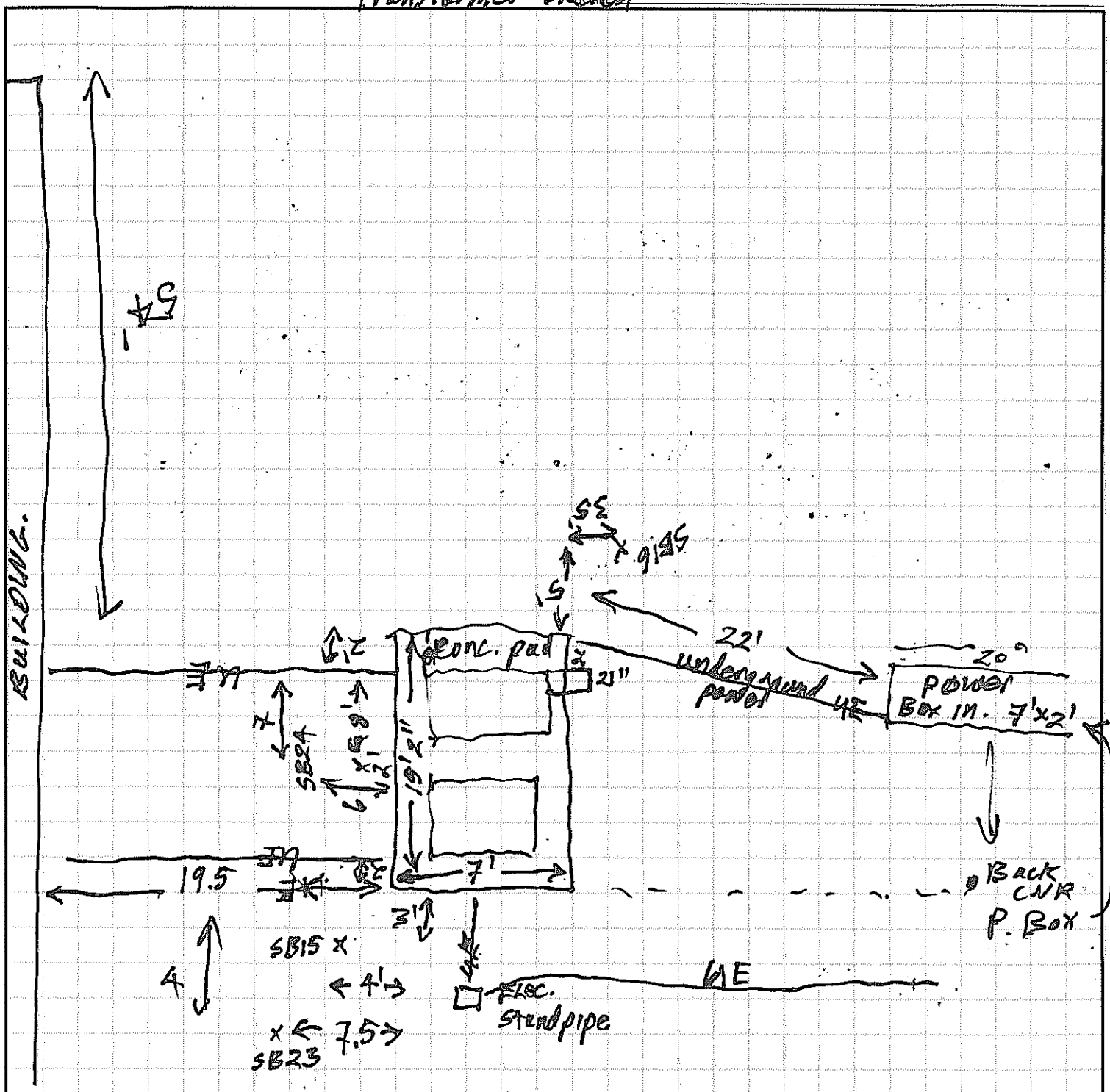


PRODUCT 204-1 (Single Sheets) 205-1 (Padded)

THE JOHNSON CO., INC.
100 STATE ST #600
MONTPELIER, VT 05602
802-229-4600 , Fax 802-229-5876

JOB VT composites
SHEET NO. ____ OF ____
CALCULATED BY DM DATE 9-27-11
CHECKED BY ____ DATE ____

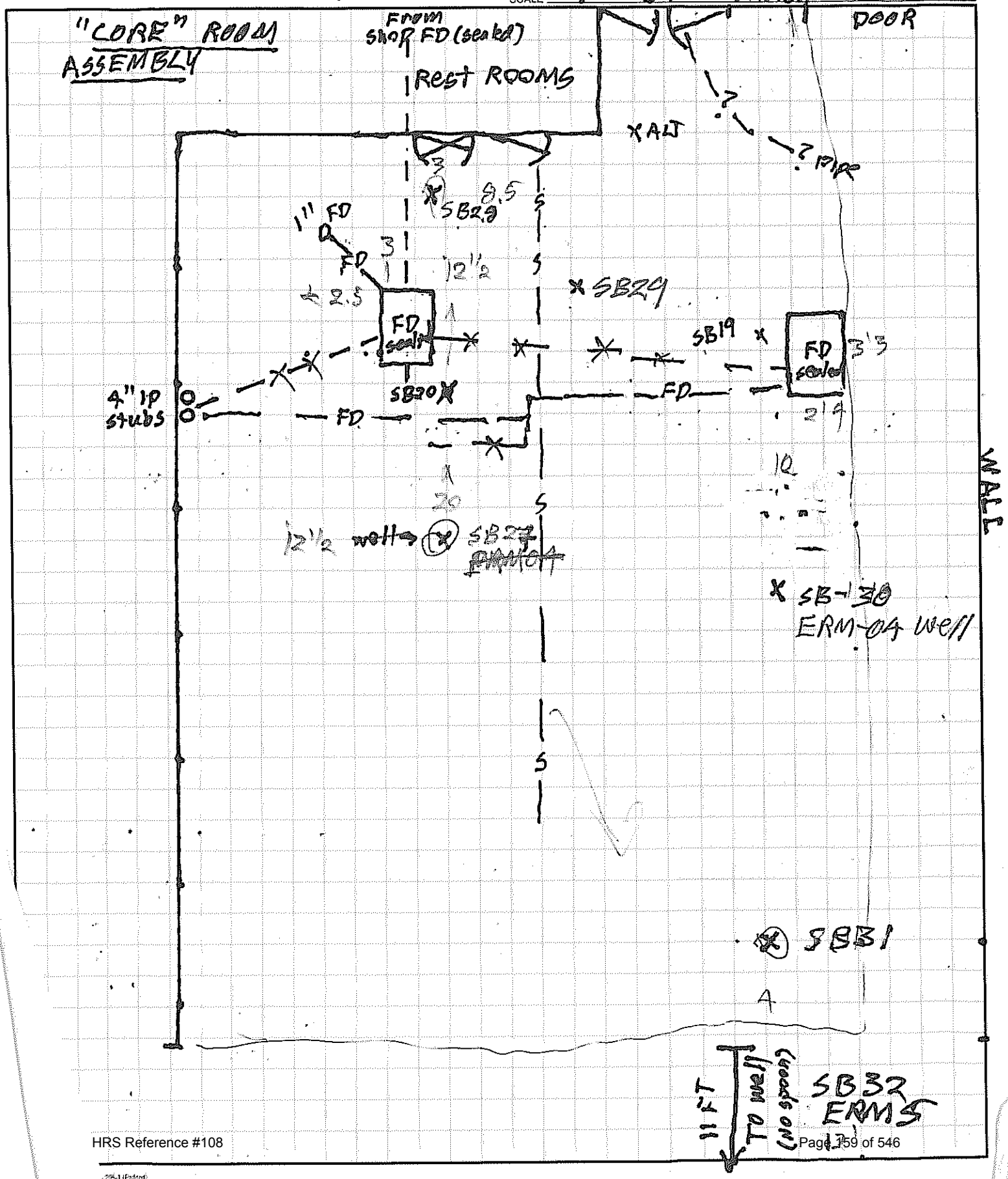
Transformer sketch



PRODUCT 204-1 (Simple Sheets) 205-1 (Padded)

THE JOHNSON CO., INC.
100 STATE ST #600
MONTPELIER, VT 05602
802-229-4600 , Fax 802-229-5876

JOB VT. composites
SHEET NO. ____ OF ____
CALCULATED BY DMaynard DATE 9-27-11
CHECKED BY ____ DATE ____
SCALE 1" = 6 FT sketch

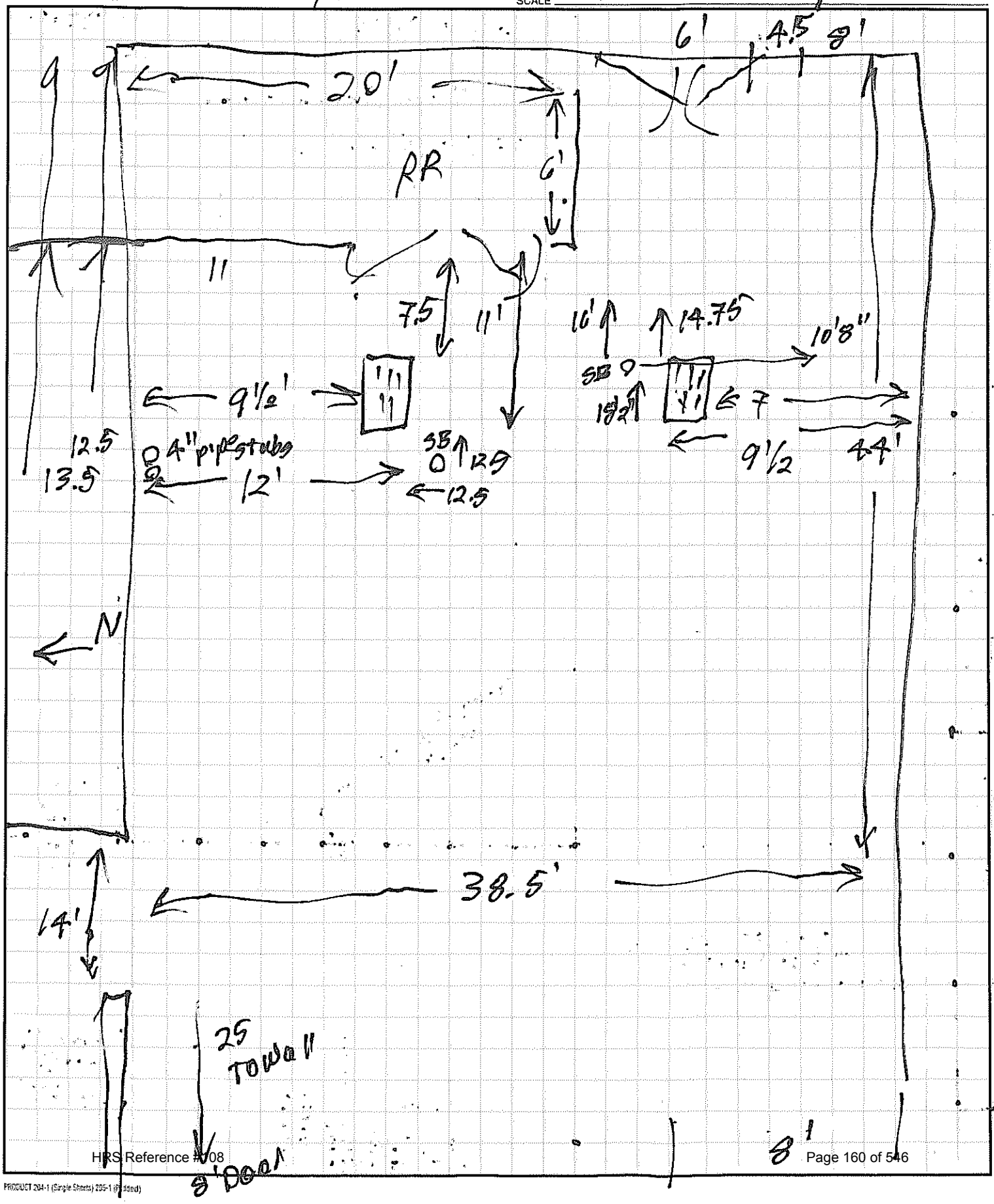


THE JOHNSON CO., INC.
100 STATE ST #600
MONTPELIER, VT 05602
802-229-4600 , Fax 802-229-5876

Sealed FD

Maint.

JOB
SHEET NO. OF
CALCULATED BY DATE
CHECKED BY DATE
SCALE



PRODUCT 204-1 (Single Sheets) 205-1 (Bound)

Location VT Composites Date 10-20-11

Project / Client 3-2221-1 D. Maynard

DAM#45

onsite 7:40
H+S meeting.
P. Daly - DALY ENV.
SARAH - ERM. onsite

purpose - petroleum impacted soils Excavation.

60-65°F Partly cloudy.
10-20mph. Wind W, showers

Decon Buckets. of excavator w/ Alconox brush + water

Calibrate JCO Thermal Env. Model 580B OVM JCO#2
TO 100 ppm IB reads 100.2 ppmV
Background Air = 0.0 ppmV.

Buckets 1½ CY/LOAD
HT 1

DM

Location Date 10-20-11

Project / Client

Hand Dig BLDG Elect. @
BLDG - S+G+C sm-LTP SIL
water @ 6.5' B steel base of wall.
Base of ROOTS 5.2' B. steel
Base of steel 3.8 FA Asphalt

E. conduit not reached.
TD 6.7' B steel = 2.9 FBGS Asphalt
$\overline{W}$ = 2.7 FBGS
elect. con. 2.3 Ft Fm Bldg cnr

10:30 Excavate upper FT. of soil from between BLDG + propane PAD and in Front of AST.

1200 - stripped upper 1-1.5 F soils
Hand Dug to GW @ 7.8 FB Top conc.
Above #2 FO pipes
= 2.8 FBGS.

DM

Location VT Compos. Date 10-20-11

Project / Client DMM # 45

D Maynard

W 58" B Conc
W Depth 26"

Top Conc is 5' AGS

Base 2nd Contain Conc.
is 2 FBGS

SO 2 & 2" FO pipes to BLDG
Leave Conc through bottom
∴ > 2 FBGS

Cast in-place 2nd Contain (Can see Formmarks)

Top of Conc. to Base of Footing
= 7.8 FT

Excavate all soils between
AST 2nd contain + Asphalt
Down to VT

excavate East of AST
between AST + Propane SLAB
to ~ 1-1.5 FBGS From Asphalt back

DMM

Location Date

Project / Client

3 - 2" iplayed side by
side 0.9' ℄ to ℄ outside
pipes - ∓ most is Directly
below Drain Valve

Tops of pipes Just below
Footing = 8' B Top. Conc.

Top of Pipes = 36" Below
Valve ℄.

Total excavated
~ 35 CYs

Off site 17:45

DMM.

Location VT Composites Date 10-20-11

Project / Client D. Maynard

DMM # 45

TPH + PAH sim - Eastern Analytical.

BRO confirmation Samples - COC 7571

Name	Time	Depth FBGS	As PID (ppmv)	Lab sample	
BG BAG	10:51	-	0.2	N	BG Air 0.2
A	10:47	0-1	0.3		St GVL + Peb.
B	10:48	1-1.5	0.3		
C	10:49	0-1	0.3		
D	10:50	1-1.5	0.4-0.6		Dark w/ ROOTS
E	11:02	0-1.5	0.4-0.6		BG Air 0.2
F	11:03	1.5-2	0.7		
G	11:04	0-1.5	0.6		
H	11:05	0-1.5	1.0		Dark w/ Roots
JCO1	14:20	0.8-1.3	0.2	Yes	SNDY. GVL FILL
JCO2	14:22	3-3.3	0.2	↓	Sat St G FILL
JCO3	14:25	1.5-2.0	0.2	↓	Mixed St GVL over Dense FS
JCO4	14:35	4.0	0.3	HOLD	St G - Sat.
BG Bag	14:40	-	0.6	NO	BG Air 0.0
I	15:01	2.0	0.2	↓	St G FILL
J	15:17	1.5'	0.3	↓	
JCO5	15:25	0.5-1.0	0.3	Yes	St G FILL
AST-NE	15:48	0-1.0	0.3	ERM	TO SOIL + SG
AST-NW	15:53	0.5-1.0	0.2	ERM	St G
BG Bag	16:03		0.0		BG AIR 0.0

100 ppm IB = 105 ppmv cal check

Location Date

Project / Client

LOCATION

3' FT F BLDG @ Asphalt - wall of Ex
3' FT F BLDG 2.5' From Asphalt - Base
3' F. BLDG 5' F. Asphalt
15' F BLDG Edge of Asphalt - Bucket
16' E F. BLDG Edge of Asphalt - wall
" " Center Base, 3' F. Asphalt
" " 6' F. Asphalt wall
SW CNR AST, Below Stairs wall
Directly in Front of AST Valve, 7' so. - wall
Directly Below AST Valve, SB5 - between pipes @ Base
5.5' So of SW CNR AST - wall
Direct below SB5, Pipes, Valve 1F B. Base

3' So. of SE CNR AST
5' S + 2' E of SW CNR AST
Dup of AST-SE (ERM) 9' Due So. of AST SE CNR (wall)
Nedge of Ex. 5.5' E + 4' NO. of SE CNR AST
NWall - 11' W + 3' N of SW CNR AST

DMM

Location VT composites Date 10-20-11

Project / Client DMM#45
D Maynard

Excavate Soils @ SB25
Near transformer

Excavate 3' in all Directions

Excavate TO 1 FBGS
@ SB25 + 1.5' in all
Directions + slope
TO G S.

Collect 3 Samples
For PAH/TPH

10/20 DM SB25 JC06 One From Center 1-1.5'
17:20

JC07 = Compos From N + S edges
DM 10/20 ~~17:20~~ 7:23 0-1 FBGS

JC08 = Compos From E + W edges
17:25 0-1 FBGS

COC 7571

4 Drums SOIL DM

Location VT composites Date 10-21-11

Project / Client D Maynard
DMM#45

on-site: 730
60-65°F overcast, 5 mph So wind.

Purpose: Load Soils For
Transport

Two ESMI Trucks on-site
9:10 - 11:23

Truck#1 JBG Transport
Fort Ann, NY
plate: NY 15757 - PA

Truck#2 Nolin Turcotte trucking
plate: NY 11574 - PB

Gravel From FORT ANN
Pattens Mill Pit, NY
Bank run M + FS + SRGVL
Some SR-Rnd peb, cob.

offsite
14:30

CHAIN OF CUSTODY RECORD

7571

Client / Project Name	Project Location
VT COMPOSITES	BENNINGTON, VT
Project No.	**Field Logbook No.**
3-222f-1	DMM # 45
Sampler: (Signature)	**Chain of Custody Tape No.**
[signature]	75-71

ANALYZES: TPH 8015 GRO 9100 PAH SIM 8270D PAH SIM

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	TPH 8015 GRO	8270D PAH SIM	9100 PAH SIM				REMARKS
JC01	10/20/11	14:20		SOIL-4 OZ AMBER JAR	✓						
JC02	↓	14:22		↓	✓						
JC03	↓	14:25		↓	✓						
JC04	↓	14:35		↓	HOLD UNTIL NOTIFIED						
JC05	10/20/11	15:25		SOIL-4 OZ AMBER	✓						
JC06	↓	17:20		↓	✓						
JC07	↓	17:23		↓	✓						
JC08	↓	17:25		↓	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/21/11	10:30			
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

SAMPLE COLLECTOR

100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Fax (802) 229-5876

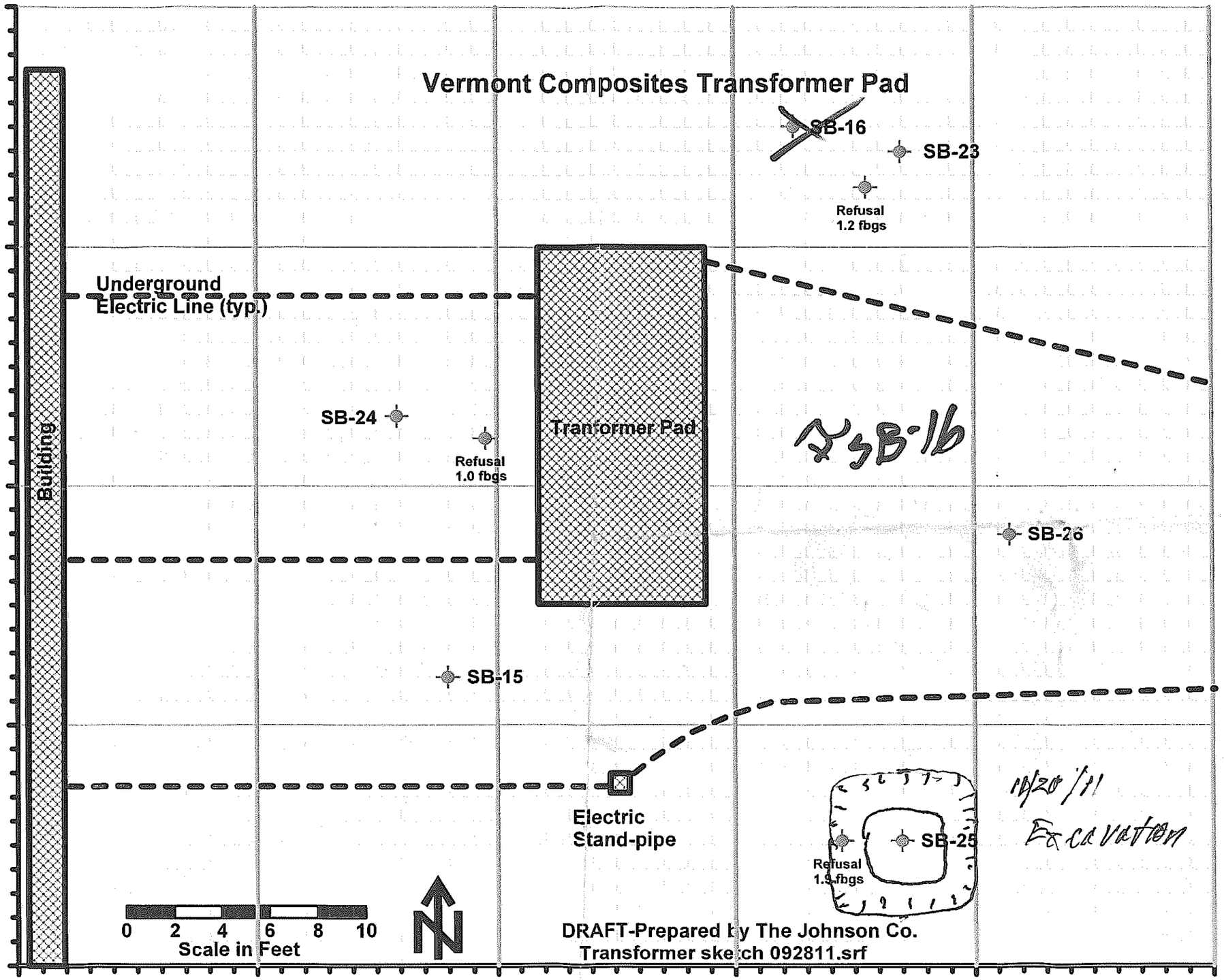
THE JOHNSON COMPANY, INC.
Environmental Sciences and Engineering

ANALYTICAL LABORATORY
EASTERN Analytical
RAPIDTAT CONCORD, NH
RESULTS TO DMAYNARD@JCOMAIL.COM
802-272-8808
By C.O.B TUESDAY OCT 25th

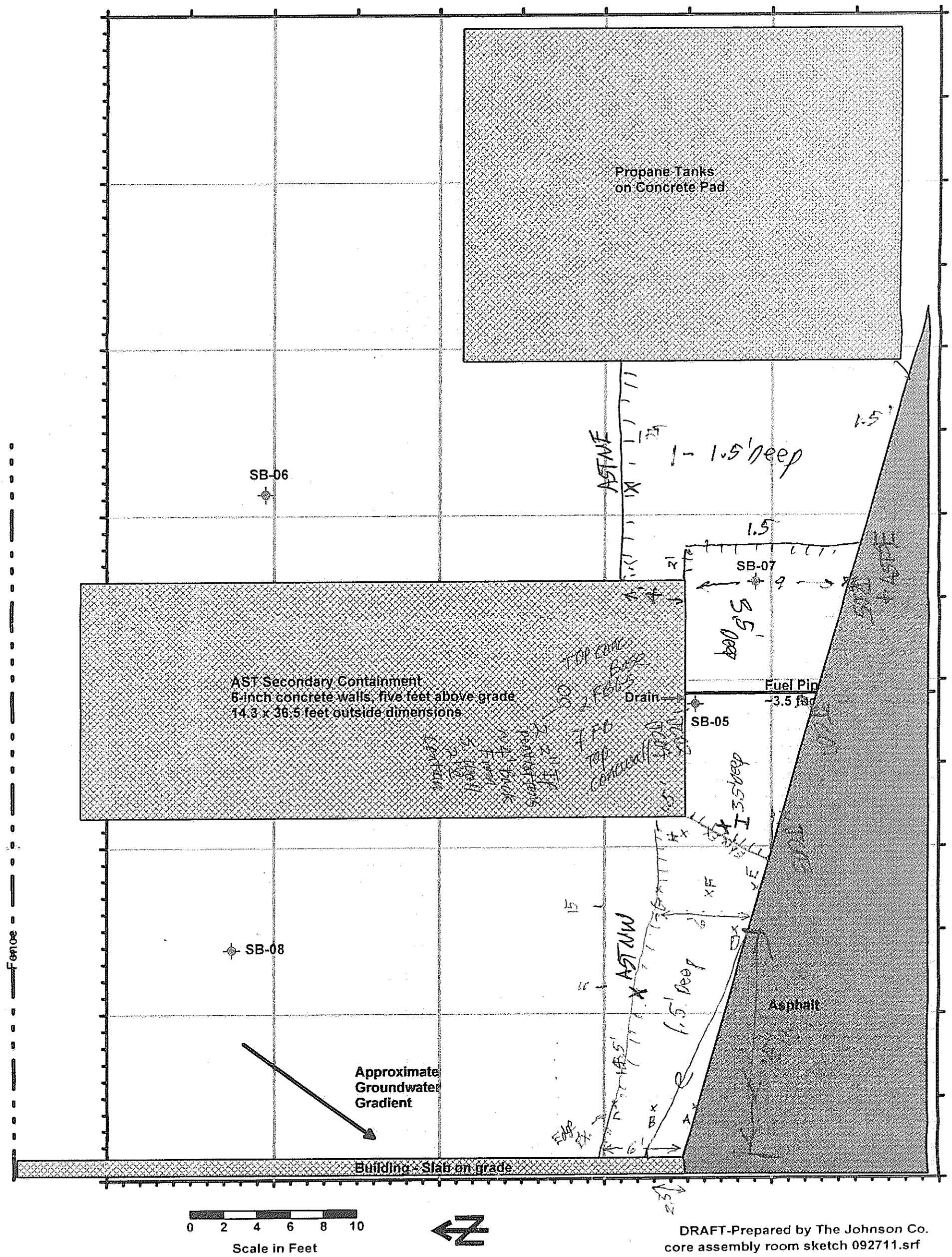
Shipper ID #
COURIER

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

Source Form NEBS CUSTEAM printing service 1-800-225-6327 NEBS, Inc. Hackensack, NJ 07601 www.nebs.com
Ref. No. G 104106504


Vermont Composites Transformer Pad
SB-16
SB-23
Refusal
1.2 fbgs
Underground
Electric Line (typ.)
Building
SB-24
Refusal
1.0 fbgs
Tranformer Pad
SB-16
SB-26
SB-15
Electric
Stand-pipe
10/20/11
Excavation
SB-25
Refusal
1.5 fbgs
0 2 4 6 8 10
Scale in Feet
N
DRAFT-Prepared by The Johnson Co.
Transformer sketch 092811.srf

Vermont Composites Petroleum AST



Location VT Composites Date 10-27-11

Project / Client DAM #45

D Maynard

onsite 800AM

35°-45°F 10 mph No wind rain + snow

purpose: excavate Petroleum Cont. Soil

8:05 Cal. RID OVMB TCO2 to 100ppm IB

Reads: 1045 ppmV Background 0.0 ppmV

Samples to Eastern Analytical

For 8110 TPH-DRO / 8270D SIM PAH

COC # 7572

onsite: P. Daly - Daly Env. ~~IIII~~

Ethan Gyles - ERM ~~IIII~~ 23

Excavate west side AST to 1.5' + SB8, ~~IIII~~ CY

Excav. SAND, sm SLT, org. LOAM over S+G, SPK

Bricks - samples

Dig to 1.5' in Back, 2.0' in Front

Exc. E side to 1.5' @ SB6

+ ~2.5' @ SD. END ~17 CY.

Dig rect. to 2FBGS

to 16' SQ. of AST

From ~2' E of SW CNR to SE CNR

13' wide EW

Samples from Cntr Bottom

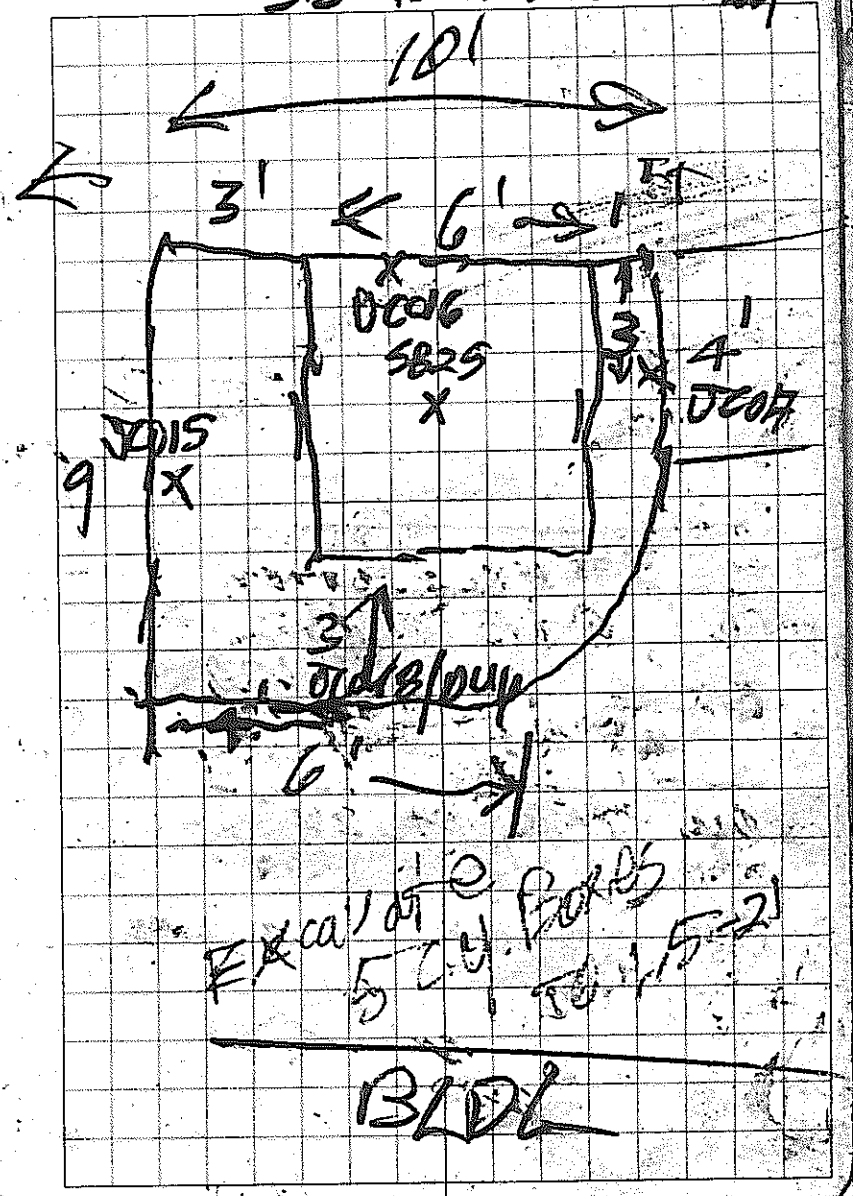
+ S. Wallcenter

Offsite 17:15 DM

Location Date

Project / Client

SB-25 Excavation



Location VT composites Date 10-27-11

Project / Client D Maynard DNM#45

Name	Time	Depth (FBLS)	HS PID (ppmv)	Notes
JC09	1220	0-1.5	0.1	Topsoil + SIG FILL
JC10	12:25	2-3.5	0.1	SIG, some Cob, Pebb
BG	Baggie	12:30	0.1	BZ 0.1 PPMV
JC011	13:45	0-1.5	0.0	TOP SOIL + SIG FILL
JC012	1350	2-2.5	0.0	SIG, some peb, cob.
BG	1400	Baggie	0.0	BZ = 0.0 PPMV
JC013	1425	0.8-1.3	0.1	AS + FS, TRACE
JC014	1430	2-2.5	0.1	AS + FS
	1434	Baggie	0.0	BZ = 0.1 ppmv
1530	PID cal check			= 105.1 PPMV

SB25 Excavation

JC015	0-1.5'	16:25
JC016	↓	16:29
JC017		16:32
JC018		16:35
JC00Dup (Dup of 18)		

Location Date

Project / Client

Location

10' W of AST, 11' E of BLDG, 25' N of BLDG CN
" " " " 15' N " "

23' N + 6' E of SE CNR AST (11' x width)
13' N + 6' E of SE CNR AST

4 AST 16 FT SOUTH
4 AST 11 FT SOUTH

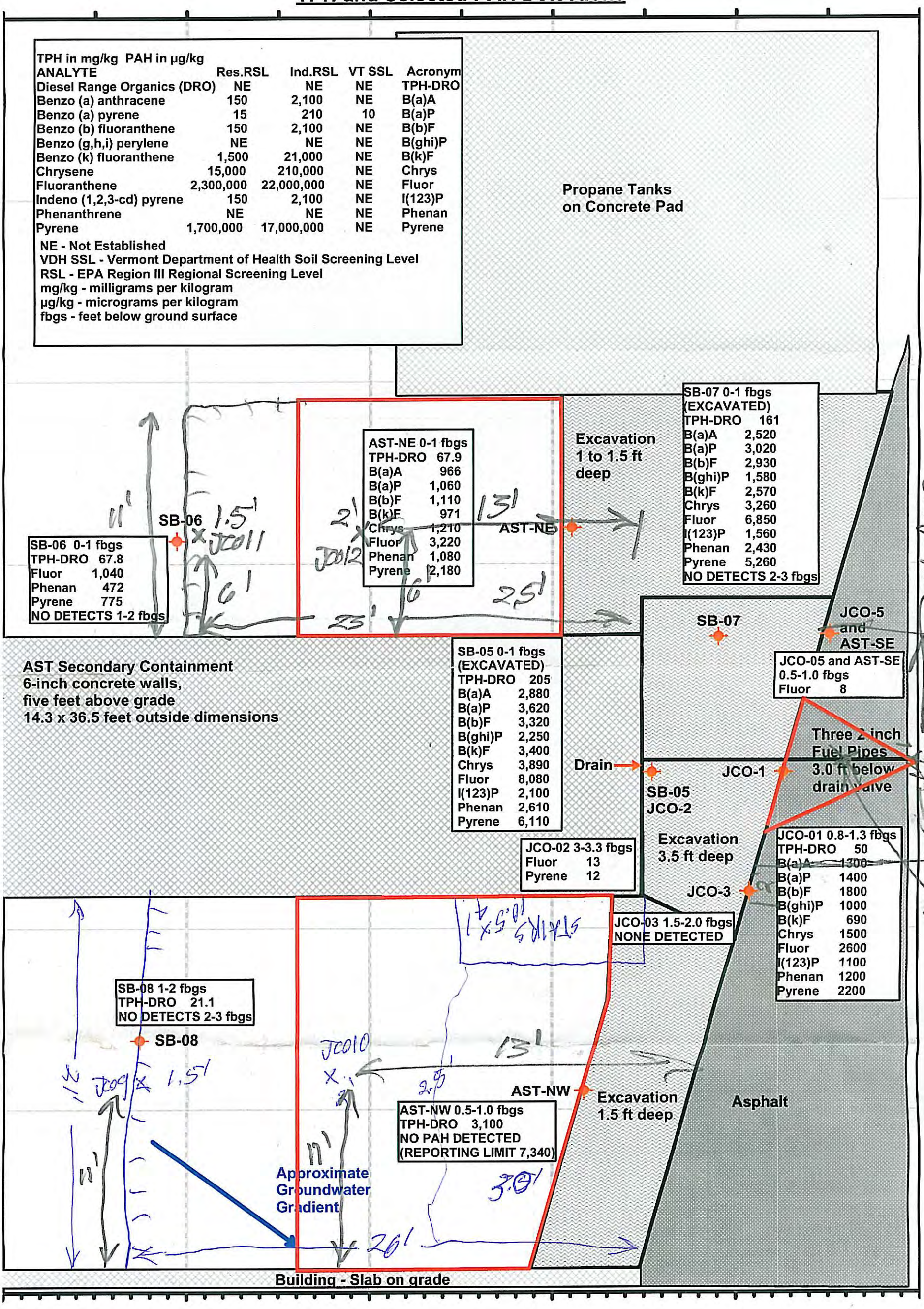
CNTR N SIDE
CNTR E SIDE
4' due So. SB25
6' W + 2' N of SB25

Vermont Composites Petroleum AST
TPH and Selected PAH Detections

TPH in mg/kg PAH in µg/kg

ANALYTE	Res.RSL	Ind.RSL	VT SSL	Acronym
Diesel Range Organics (DRO)	NE	NE	NE	TPH-DRO
Benzo (a) anthracene	150	2,100	NE	B(a)A
Benzo (a) pyrene	15	210	10	B(a)P
Benzo (b) fluoranthene	150	2,100	NE	B(b)F
Benzo (g,h,i) perylene	NE	NE	NE	B(ghi)P
Benzo (k) fluoranthene	1,500	21,000	NE	B(k)F
Chrysene	15,000	210,000	NE	Chrys
Fluoranthene	2,300,000	22,000,000	NE	Fluor
Indeno (1,2,3-cd) pyrene	150	2,100	NE	I(123)P
Phenanthrene	NE	NE	NE	Phenan
Pyrene	1,700,000	17,000,000	NE	Pyrene

NE - Not Established
VDH SSL - Vermont Department of Health Soil Screening Level
RSL - EPA Region III Regional Screening Level
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
fbgs - feet below ground surface



DRAFT-Prepared by The Johnson Co.
petroleum AST excavation sketch 102611.srf

ATTACHMENT 5

LABORATORY RESULTS

Report Date:
18-Aug-11 17:51

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB32755-01	SB-01-0-1-20110802-01	Soil	02-Aug-11 09:15	02-Aug-11 19:00
SB32755-02	SB-02-0-1-20110802-01	Soil	02-Aug-11 09:40	02-Aug-11 19:00
SB32755-04	SB-03-0-1-20110802-01	Soil	02-Aug-11 10:00	02-Aug-11 19:00
SB32755-06	Dup-001-20110802-01	Soil	02-Aug-11 16:00	02-Aug-11 19:00
SB32755-07	SB-04-0-1-20110802-01	Soil	02-Aug-11 10:20	02-Aug-11 19:00
SB32755-09	SB-05-0-1-20110802-01	Soil	02-Aug-11 10:30	02-Aug-11 19:00
SB32755-10	SB-06-0-1-20110802-01	Soil	02-Aug-11 10:40	02-Aug-11 19:00
SB32755-11	SB-06-1-2-20110802-01	Soil	02-Aug-11 10:45	02-Aug-11 19:00
SB32755-12	SB-07-0-1-20110802-01	Soil	02-Aug-11 11:00	02-Aug-11 19:00
SB32755-13	SB-07-2-3-20110802-01	Soil	02-Aug-11 11:05	02-Aug-11 19:00
SB32755-14	SB-08-0-1-20110802-01	Soil	02-Aug-11 11:50	02-Aug-11 19:00
SB32755-15	SB-08-2-3-20110802-01	Soil	02-Aug-11 11:55	02-Aug-11 19:00
SB32755-16	SB-09-0-1-20110802-01	Soil	02-Aug-11 13:45	02-Aug-11 19:00
SB32755-18	SB-10-0-1-20110802-01	Soil	02-Aug-11 14:10	02-Aug-11 19:00
SB32755-20	DUP002-20110802-01	Soil	02-Aug-11 12:30	02-Aug-11 19:00
SB32755-21	SB-11-0-1-20110802-01	Soil	02-Aug-11 14:30	02-Aug-11 19:00
SB32755-23	SB-12-0-1-20110802-01	Soil	02-Aug-11 15:00	02-Aug-11 19:00

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 77 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.

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CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 3.0 degrees Celsius. The condition of these samples was further noted as received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 0.8 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.

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.

This method is designed for use on samples containing low levels of VOCs, ranging 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be reported at concentrations over 200 ug/Kg if rerunning the sample from the methanol preserved vial via method SW846 5030 would result in the concentration being non-reportable. This would be due to the difference in final reporting limits between the two methods.

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

8015CM

Samples:

SB32755-09 *SB-05-0-1-20110802-01*

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

1-Chlorooctadecane

SB32755-10 *SB-06-0-1-20110802-01*

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

1-Chlorooctadecane

SB32755-12 *SB-07-0-1-20110802-01*

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

1-Chlorooctadecane

EPA 200.7

Spikes:

1115398-MS1 *Source: SB32755-23*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum

1115398-PS1 *Source: SB32755-23*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum

EPA 200.7

Duplicates:

1115398-DUP1 *Source: SB32755-23*

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

Chromium
Nickel

Samples:

SB32755-01 *SB-01-0-1-20110802-01*

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

Thallium

SW846 7471B

Duplicates:

1115399-DUP1 *Source: SB32755-23*

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

Mercury

SW846 8260C

Calibration:

1107002

Analyte quantified by quadratic equation type calibration.

Naphthalene
trans-1,4-Dichloro-2-butene

This affected the following samples:

1115400-BLK1
1115400-BS1
1115400-BSD1
1115504-BLK1
1115504-BS1
1115504-BSD1
Dup-001-20110802-01
DUP002-20110802-01
S105925-ICV1
S106837-CCV1
S106873-CCV1
SB-01-0-1-20110802-01
SB-02-0-1-20110802-01
SB-03-0-1-20110802-01
SB-04-0-1-20110802-01
SB-05-0-1-20110802-01
SB-06-0-1-20110802-01
SB-08-0-1-20110802-01
SB-09-0-1-20110802-01
SB-10-0-1-20110802-01
SB-11-0-1-20110802-01
SB-12-0-1-20110802-01

1107030

SW846 8260C

Calibration:

1107030

Analyte quantified by quadratic equation type calibration.

1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane (EDB)
1,4-Dioxane
2-Hexanone (MBK)
Bromodichloromethane
Bromoform
Carbon disulfide
Carbon tetrachloride
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
Tert-amyl methyl ether
trans-1,3-Dichloropropene

Laboratory Control Samples:

1115400 BS/BSD

Acetone percent recoveries (123/132) are outside individual acceptance criteria (70-130), but within overall method allowances.
All reported results of the following samples are considered to have a potentially high bias:

DUP002-20110802-01
SB-01-0-1-20110802-01
SB-05-0-1-20110802-01
SB-06-0-1-20110802-01
SB-08-0-1-20110802-01
SB-10-0-1-20110802-01
SB-11-0-1-20110802-01
SB-12-0-1-20110802-01

Samples:

S106837-CCV1

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

Acetone (23.2%)

This affected the following samples:

1115400-BLK1
1115400-BS1
1115400-BSD1
DUP002-20110802-01
SB-01-0-1-20110802-01
SB-05-0-1-20110802-01
SB-06-0-1-20110802-01
SB-08-0-1-20110802-01
SB-10-0-1-20110802-01
SB-11-0-1-20110802-01
SB-12-0-1-20110802-01

S106842-CCV1

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

Acetone (22.5%)
Benzene (-26.1%)

SW846 8260C

Samples:

S106842-CCV1

This affected the following samples:

1115420-BLK1
1115420-BS1
1115420-BSD1

S106873-CCV1

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

2,2-Dichloropropane (-23.9%)
Carbon disulfide (-26.4%)
Carbon tetrachloride (-27.2%)
Chloromethane (-21.0%)
Dichlorodifluoromethane (Freon12) (-29.1%)
Ethanol (-29.8%)
Tert-Butanol / butyl alcohol (-35.9%)
Trichlorofluoromethane (Freon 11) (-31.6%)

This affected the following samples:

1115504-BLK1
1115504-BS1
1115504-BSD1
Dup-001-20110802-01
SB-02-0-1-20110802-01
SB-03-0-1-20110802-01
SB-04-0-1-20110802-01
SB-09-0-1-20110802-01

S106875-CCV1

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

1,1,2,2-Tetrachloroethane (-28.0%)
Chloromethane (-20.5%)
Dichlorodifluoromethane (Freon12) (-30.5%)
Vinyl chloride (-25.1%)

This affected the following samples:

1115532-BLK1
1115532-BS1
1115532-BSD1
SB-07-0-1-20110802-01

SB32755-01 *SB-01-0-1-20110802-01*

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

Dibromofluoromethane

SB32755-10 *SB-06-0-1-20110802-01*

The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

4-Isopropyltoluene

SB32755-12 *SB-07-0-1-20110802-01*

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

SW846 8270D

Samples:

S107065-CCV1

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

Benzo (k) fluoranthene (-38.6%)

This affected the following samples:

1115862-BLK1
1115862-BS1
SB-06-1-2-20110802-01
SB-07-2-3-20110802-01
SB-08-2-3-20110802-01

SB32755-09 *SB-05-0-1-20110802-01*

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

SB32755-12 *SB-07-0-1-20110802-01*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-01-0-1-20110802-01 SB32755-01	0140857	Soil	02-Aug-11 09:15	02-Aug-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.55 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.0	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
67-64-1	Acetone	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	9.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	9.9	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	9.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	9.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	9.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-01-0-1-20110802-01	0140857	Soil	02-Aug-11 09:15	02-Aug-11
SB32755-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.55 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	49.7	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	9.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	9.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	9.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	99.4	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	24.8	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	1990	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*57*	SGC		*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	26.4	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-01-0-1-20110802-01	0140857	Soil	02-Aug-11 09:15	02-Aug-11
SB32755-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	26.4	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	26.4	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	26.4	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	26.4	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	26.4	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	26.4	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	26.4	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*105*			*40-140 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	BRL		mg/kg dry	0.0283	1	SW846 7471B	04-Aug-11	04-Aug-11	EDT	1115399	X
Total Metals by EPA 200 Series Methods												
7440-22-4	Silver	BRL		mg/kg dry	1.34	1	EPA 200.7	04-Aug-11	04-Aug-11	ALT/E	1115398	
7429-90-5	Aluminum	2,130		mg/kg dry	4.47	1	"	"	"	"	"	
7440-38-2	Arsenic	4.38		mg/kg dry	1.34	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.447	1	"	"	"	"	"	
7440-43-9	Cadmium	0.899		mg/kg dry	0.447	1	"	"	"	"	"	
7440-47-3	Chromium	3.83		mg/kg dry	0.895	1	"	"	"	"	"	
7440-50-8	Copper	17.4		mg/kg dry	0.895	1	"	"	"	"	"	
7440-02-0	Nickel	6.21		mg/kg dry	0.895	1	"	"	"	"	"	
7439-92-1	Lead	8.17		mg/kg dry	1.34	1	"	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	4.47	1	"	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.34	1	"	"	"	"	"	
7440-28-0	Thallium	BRL	R01	mg/kg dry	13.4	5	"	"	05-Aug-11	"	"	
7440-66-6	Zinc	30.6		mg/kg dry	0.895	1	"	"	04-Aug-11	"	"	
General Chemistry Parameters												
	% Solids	95.3		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-02-0-1-20110802-01	0140857	Soil	02-Aug-11 09:40	02-Aug-11
SB32755-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.39 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	4.6	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg wet	46.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	9.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	46.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	9.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	9.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	9.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	9.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	9.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-02-0-1-20110802-01	0140857	Soil	02-Aug-11 09:40	02-Aug-11
SB32755-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.39 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	46.4	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	46.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	9.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	9.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	9.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	46.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	92.8	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	23.2	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg wet	1860	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*91*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-03-0-1-20110802-01	0140857	Soil	02-Aug-11 10:00	02-Aug-11
SB32755-04				

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	03-Aug-11	03-Aug-11	JLH	1115365	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.73 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	4.4	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg wet	43.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	8.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	43.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	8.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	8.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	8.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	8.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	8.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-03-0-1-20110802-01	0140857	Soil	02-Aug-11 10:00	02-Aug-11
SB32755-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.73 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	43.6	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	43.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	8.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	8.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	4.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	8.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	4.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	4.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	4.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	4.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	43.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	87.3	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	21.8	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg wet	1750	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-001-20110802-01	0140857	Soil	02-Aug-11 16:00	02-Aug-11
SB32755-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.91 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	4.2	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg wet	42.3	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	8.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	42.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	8.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	8.5	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	8.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	8.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	8.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-001-20110802-01	0140857	Soil	02-Aug-11 16:00	02-Aug-11
SB32755-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.91 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	42.3	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	42.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	8.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	8.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	4.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	8.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	4.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	4.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	4.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	4.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	42.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	84.6	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	21.2	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg wet	1690	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*	*100*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-04-0-1-20110802-01	0140857	Soil	02-Aug-11 10:20	02-Aug-11
SB32755-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.49 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	4.6	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg wet	45.5	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	9.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	45.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	9.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	9.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	9.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	9.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	9.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-04-0-1-20110802-01	0140857	Soil	02-Aug-11 10:20	02-Aug-11
SB32755-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.49 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	45.5	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	45.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	9.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	9.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	4.6	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	9.1	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	4.6	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	45.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	91.1	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	22.8	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg wet	1820	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-05-0-1-20110802-01	0140857	Soil	02-Aug-11 10:30	02-Aug-11
SB32755-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.75 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.5	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
67-64-1	Acetone	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-05-0-1-20110802-01	0140857	Soil	02-Aug-11 10:30	02-Aug-11
SB32755-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.75 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	54.7	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	54.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	109	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.3	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2190	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C			GS1									
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	735	2	SW846 8270D	04-Aug-11	05-Aug-11	MSL	1115383	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-05-0-1-20110802-01	0140857	Soil	02-Aug-11 10:30	02-Aug-11
SB32755-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C			GS1									
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	735	2	SW846 8270D	04-Aug-11	05-Aug-11	MSL	1115383	X
120-12-7	Anthracene	BRL		µg/kg dry	735	2	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	2,880		µg/kg dry	735	2	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	3,620		µg/kg dry	735	2	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	3,320		µg/kg dry	735	2	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	2,250		µg/kg dry	735	2	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	3,400		µg/kg dry	735	2	"	"	"	"	"	X
218-01-9	Chrysene	3,890		µg/kg dry	735	2	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	735	2	"	"	"	"	"	X
206-44-0	Fluoranthene	8,080		µg/kg dry	735	2	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	735	2	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	2,100		µg/kg dry	735	2	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	735	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	735	2	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	735	2	"	"	"	"	"	X
85-01-8	Phenanthrene	2,610		µg/kg dry	735	2	"	"	"	"	"	X
129-00-0	Pyrene	6,110		µg/kg dry	735	2	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*86*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*86*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.6	2	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.6	2	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	29.6	2	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	29.6	2	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	29.6	2	"	"	"	"	"	X
	Unidentified	205		mg/kg dry	29.6	2	"	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	29.6	2	"	"	"	"	"	X
	Diesel Range Organics (DRO)	205		mg/kg dry	29.6	2	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*525*	S02		*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	89.3		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-06-0-1-20110802-01	0140857	Soil	02-Aug-11 10:40	02-Aug-11
SB32755-10				

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	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.05 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	7.4	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
67-64-1	Acetone	BRL		µg/kg dry	73.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	14.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	73.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	14.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	14.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	14.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	14.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	14.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-06-0-1-20110802-01	0140857	Soil	02-Aug-11 10:40	02-Aug-11
SB32755-10				

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: 6.05 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	73.8	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL	R03	µg/kg dry	17.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	73.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	14.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	14.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	7.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	14.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	7.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	73.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	148	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	36.9	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2950	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	445	1	SW846 8270D	04-Aug-11	05-Aug-11	MSL	1115383	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-06-0-1-20110802-01	0140857	Soil	02-Aug-11 10:40	02-Aug-11
SB32755-10				

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	445	1	SW846 8270D	04-Aug-11	05-Aug-11	MSL	1115383	X
120-12-7	Anthracene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
206-44-0	Fluoranthene	1,040		µg/kg dry	445	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	445	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	445	1	"	"	"	"	"	X
85-01-8	Phenanthrene	472		µg/kg dry	445	1	"	"	"	"	"	X
129-00-0	Pyrene	775		µg/kg dry	445	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*72*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	17.9	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	17.9	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	17.9	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	17.9	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	17.9	1	"	"	"	"	"	X
	Unidentified	67.8		mg/kg dry	17.9	1	"	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	17.9	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	67.8		mg/kg dry	17.9	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*173*	S02		*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	73.8		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-06-1-2-20110802-01	0140857	Soil	02-Aug-11 10:45	02-Aug-11
SB32755-11				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	364	1	SW846 8270D	10-Aug-11	11-Aug-11	MSL	1115862	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	364	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	364	1	"	"	"	"	"	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*	*75*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.7	1	8015CM	10-Aug-11	10-Aug-11	MH	1115861	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*83*			*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	2.56		mg/kg dry	1.68	1	EPA 200.7	09-Aug-11	10-Aug-11	ALT/A	1115792	
General Chemistry Parameters												
	% Solids	89.2		%		1	SM2540 G Mod.	09-Aug-11	09-Aug-11	BD	1115816	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-07-0-1-20110802-01	0140857	Soil	02-Aug-11 11:00	02-Aug-11
SB32755-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)						Initial weight: 16.32 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	58.5	50	SW846 8260C	05-Aug-11	05-Aug-11	naa	1115532	X
67-64-1	Acetone	BRL		µg/kg dry	585	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	117	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	585	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	117	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	117	50	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	117	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	117	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	117	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-07-0-1-20110802-01	0140857	Soil	02-Aug-11 11:00	02-Aug-11
SB32755-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)					Initial weight: 16.32 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	585	50	SW846 8260C	05-Aug-11	05-Aug-11	naa	1115532	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	585	50	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	117	50	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	117	50	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	58.5	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	117	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	58.5	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	58.5	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	58.5	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	58.5	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	585	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	1170	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	293	50	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	23400	50	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*81*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*82*			*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	726	2	SW846 8270D	04-Aug-11	05-Aug-11	MSL	1115383	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-07-0-1-20110802-01	0140857	Soil	02-Aug-11 11:00	02-Aug-11
SB32755-12				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C			R01									
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	726	2	SW846 8270D	04-Aug-11	05-Aug-11	MSL	1115383	X
120-12-7	Anthracene	BRL		µg/kg dry	726	2	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	2,520		µg/kg dry	726	2	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	3,020		µg/kg dry	726	2	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	2,930		µg/kg dry	726	2	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	1,580		µg/kg dry	726	2	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	2,570		µg/kg dry	726	2	"	"	"	"	"	X
218-01-9	Chrysene	3,260		µg/kg dry	726	2	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	726	2	"	"	"	"	"	X
206-44-0	Fluoranthene	6,850		µg/kg dry	726	2	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	726	2	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	1,560		µg/kg dry	726	2	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	726	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	726	2	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	726	2	"	"	"	"	"	X
85-01-8	Phenanthrene	2,430		µg/kg dry	726	2	"	"	"	"	"	X
129-00-0	Pyrene	5,260		µg/kg dry	726	2	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*80*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.3	2	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.3	2	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	29.3	2	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	29.3	2	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	29.3	2	"	"	"	"	"	X
	Unidentified	161		mg/kg dry	29.3	2	"	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	29.3	2	"	"	"	"	"	X
	Diesel Range Organics (DRO)	161		mg/kg dry	29.3	2	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*562*	S02		*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.4		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-07-2-3-20110802-01	0140857	Soil	02-Aug-11 11:05	02-Aug-11
SB32755-13				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	375	1	SW846 8270D	10-Aug-11	11-Aug-11	MSL	1115862	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	375	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	375	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*65*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.1	1	8015CM	10-Aug-11	10-Aug-11	MH	1115861	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.1	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.1	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	15.1	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	15.1	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	15.1	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	15.1	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	15.1	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*79*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	85.4		%		1	SM2540 G Mod.	09-Aug-11	09-Aug-11	BD	1115831	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-08-0-1-20110802-01	0140857	Soil	02-Aug-11 11:50	02-Aug-11
SB32755-14				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.26 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.0	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
67-64-1	Acetone	BRL		µg/kg dry	59.6	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	11.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	59.6	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	11.9	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	11.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.9	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	11.9	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	11.9	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-08-0-1-20110802-01	0140857	Soil	02-Aug-11 11:50	02-Aug-11
SB32755-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.26 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	59.6	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.9	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	"	"	"	"	"	X
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	11.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.0	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	119	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	29.8	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2380	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	392	1	SW846 8270D	04-Aug-11	05-Aug-11	MSL	1115383	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-08-0-1-20110802-01	0140857	Soil	02-Aug-11 11:50	02-Aug-11
SB32755-14				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
208-96-8	Acenaphthylene	BRL		µg/kg dry	392	1	SW846 8270D	04-Aug-11	05-Aug-11	MSL	1115383	X
120-12-7	Anthracene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	392	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	392	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*81*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*80*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.8	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.8	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.8	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	15.8	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	15.8	1	"	"	"	"	"	X
	Unidentified	21.1		mg/kg dry	15.8	1	"	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	15.8	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	21.1		mg/kg dry	15.8	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*109*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	82.1		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-08-2-3-20110802-01	0140857	Soil	02-Aug-11 11:55	02-Aug-11
SB32755-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	419	1	SW846 8270D	10-Aug-11	11-Aug-11	MSL	1115862	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	419	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	419	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*78*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*80*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	16.9	1	8015CM	10-Aug-11	10-Aug-11	MH	1115861	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	16.9	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	16.9	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	16.9	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	16.9	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	16.9	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	16.9	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	16.9	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*86*			*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	2.83		mg/kg dry	1.75	1	EPA 200.7	11-Aug-11	18-Aug-11	ALT/E	1116021	
General Chemistry Parameters												
	% Solids	77.1		%		1	SM2540 G Mod.	09-Aug-11	09-Aug-11	BD	1115831	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-0-1-20110802-01	0140857	Soil	02-Aug-11 13:45	02-Aug-11
SB32755-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.32 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	3.4	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg wet	34.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	6.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	34.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	6.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	6.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	6.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	6.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	6.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-0-1-20110802-01	0140857	Soil	02-Aug-11 13:45	02-Aug-11
SB32755-16				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.32 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	34.2	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
98-82-8	Isopropylbenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	34.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	6.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	6.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	3.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	6.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	3.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	3.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	3.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	3.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	34.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	68.3	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	17.1	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg wet	1370	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-10-0-1-20110802-01 SB32755-18	0140857	Soil	02-Aug-11 14:10	02-Aug-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.19 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.7	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
67-64-1	Acetone	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-10-0-1-20110802-01	0140857	Soil	02-Aug-11 14:10	02-Aug-11
SB32755-18				

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: 6.19 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	67.4	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	13.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	13.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	135	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	33.7	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2700	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*84*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	33.3	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-10-0-1-20110802-01 SB32755-18	0140857	Soil	02-Aug-11 14:10	02-Aug-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics Prepared by method SW846 3545A												
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	33.3	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	33.3	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	33.3	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	33.3	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	33.3	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	33.3	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	33.3	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*107*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	77.0		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

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
DUP002-20110802-01 SB32755-20	0140857	Soil	02-Aug-11 12:30	02-Aug-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.15 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.4	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
67-64-1	Acetone	BRL		µg/kg dry	63.5	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	63.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP002-20110802-01	0140857	Soil	02-Aug-11 12:30	02-Aug-11
SB32755-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.15 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	63.5	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	63.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	12.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	63.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	127	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	31.8	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2540	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*87*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.0	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP002-20110802-01	0140857	Soil	02-Aug-11 12:30	02-Aug-11
SB32755-20				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.0	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.0	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	29.0	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	29.0	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	29.0	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	29.0	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	29.0	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*105*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	86.8		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-11-0-1-20110802-01	0140857	Soil	02-Aug-11 14:30	02-Aug-11
SB32755-21				

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	03-Aug-11	03-Aug-11	JLH	1115365	
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	5.3	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
67-64-1	Acetone	BRL		µg/kg dry	53.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	53.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-11-0-1-20110802-01	0140857	Soil	02-Aug-11 14:30	02-Aug-11
SB32755-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.43 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	53.4	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	53.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	53.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	107	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.7	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2140	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	30.6	1	8015CM	04-Aug-11	04-Aug-11	SHM	1115382	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-11-0-1-20110802-01	0140857	Soil	02-Aug-11 14:30	02-Aug-11
SB32755-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	30.6	1	8015CM	04-Aug-11	04-Aug-11	SHM	1115382	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	30.6	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	30.6	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	30.6	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	30.6	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	30.6	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	30.6	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*109*			*40-140 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	2.45		mg/kg dry	1.56	1	EPA 200.7	09-Aug-11	10-Aug-11	ALT/A	1115792	
General Chemistry Parameters												
	% Solids	85.9		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-12-0-1-20110802-01	0140857	Soil	02-Aug-11 15:00	02-Aug-11
SB32755-23				

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	03-Aug-11	03-Aug-11	JLH	1115365	
Volatile Organic Compounds Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.65 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.7	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
67-64-1	Acetone	BRL		µg/kg dry	56.5	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	56.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	11.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-12-0-1-20110802-01	0140857	Soil	02-Aug-11 15:00	02-Aug-11
SB32755-23				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.65 g							
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	56.5	1	SW846 8260C	04-Aug-11	04-Aug-11	JRO	1115400	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	56.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	56.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	113	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.3	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2260	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*87*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	29.9	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-12-0-1-20110802-01	0140857	Soil	02-Aug-11 15:00	02-Aug-11
SB32755-23				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	29.9	1	8015CM	04-Aug-11	05-Aug-11	SHM	1115382	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	29.9	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	29.9	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	29.9	1	"	"	"	"	"	X
	Unidentified	34.3		mg/kg dry	29.9	1	"	"	"	"	"	X
	Other Oil	Calculated as		mg/kg dry	29.9	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	34.3		mg/kg dry	29.9	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*120*			*40-140 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	0.0478		mg/kg dry	0.0320	1	SW846 7471B	04-Aug-11	04-Aug-11	EDT	1115399	X
Total Metals by EPA 200 Series Methods												
7440-22-4	Silver	BRL		mg/kg dry	1.49	1	EPA 200.7	04-Aug-11	04-Aug-11	ALT/E	1115398	
7429-90-5	Aluminum	5,130		mg/kg dry	4.98	1	"	"	"	"	"	
7440-38-2	Arsenic	3.30		mg/kg dry	1.49	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.498	1	"	"	"	"	"	
7440-43-9	Cadmium	0.707		mg/kg dry	0.498	1	"	"	"	"	"	
7440-47-3	Chromium	6.06		mg/kg dry	0.995	1	"	"	"	"	"	
7440-50-8	Copper	6.41		mg/kg dry	0.995	1	"	"	"	"	"	
7440-02-0	Nickel	6.40		mg/kg dry	0.995	1	"	"	"	"	"	
7439-92-1	Lead	18.4		mg/kg dry	1.49	1	"	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	4.98	1	"	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.49	1	"	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	2.99	1	"	"	"	"	"	
7440-66-6	Zinc	43.0		mg/kg dry	0.995	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.5		%		1	SM2540 G Mod.	03-Aug-11	03-Aug-11	DT	1115354	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115400 - SW846 5035A Soil (low level)										
Blank (1115400-BLK1)					Prepared & Analyzed: 04-Aug-11					
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115400 - SW846 5035A Soil (low level)										
Blank (1115400-BLK1)					Prepared & Analyzed: 04-Aug-11					
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*48.6*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
LCS (1115400-BS1)					Prepared & Analyzed: 04-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.0		µg/kg wet		20.0		95	70-130		
Acetone	24.6		µg/kg wet		20.0		123	70-130		
Acrylonitrile	19.1		µg/kg wet		20.0		96	70-130		
Benzene	21.2		µg/kg wet		20.0		106	70-130		
Bromobenzene	21.5		µg/kg wet		20.0		108	70-130		
Bromochloromethane	20.7		µg/kg wet		20.0		104	70-130		
Bromodichloromethane	18.3		µg/kg wet		20.0		92	70-130		
Bromoform	19.4		µg/kg wet		20.0		97	70-130		
Bromomethane	21.1		µg/kg wet		20.0		105	70-130		
2-Butanone (MEK)	20.9		µg/kg wet		20.0		104	70-130		
n-Butylbenzene	20.7		µg/kg wet		20.0		104	70-130		
sec-Butylbenzene	22.1		µg/kg wet		20.0		111	70-130		
tert-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130		
Carbon disulfide	19.4		µg/kg wet		20.0		97	70-130		
Carbon tetrachloride	17.6		µg/kg wet		20.0		88	70-130		
Chlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
Chloroethane	19.1		µg/kg wet		20.0		95	70-130		
Chloroform	18.5		µg/kg wet		20.0		92	70-130		
Chloromethane	18.1		µg/kg wet		20.0		90	70-130		
2-Chlorotoluene	21.1		µg/kg wet		20.0		106	70-130		
4-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115400 - SW846 5035A Soil (low level)										
LCS (1115400-BS1)					Prepared & Analyzed: 04-Aug-11					
1,2-Dibromo-3-chloropropane	21.0		µg/kg wet		20.0		105	70-130		
Dibromochloromethane	18.5		µg/kg wet		20.0		92	70-130		
1,2-Dibromoethane (EDB)	20.1		µg/kg wet		20.0		100	70-130		
Dibromomethane	19.7		µg/kg wet		20.0		98	70-130		
1,2-Dichlorobenzene	21.9		µg/kg wet		20.0		109	70-130		
1,3-Dichlorobenzene	21.3		µg/kg wet		20.0		107	70-130		
1,4-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
Dichlorodifluoromethane (Freon12)	18.9		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130		
1,1-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130		
cis-1,2-Dichloroethene	20.9		µg/kg wet		20.0		105	70-130		
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130		
1,3-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130		
2,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130		
1,1-Dichloropropene	19.9		µg/kg wet		20.0		100	70-130		
cis-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130		
Ethylbenzene	21.9		µg/kg wet		20.0		110	70-130		
Hexachlorobutadiene	19.6		µg/kg wet		20.0		98	70-130		
2-Hexanone (MBK)	18.4		µg/kg wet		20.0		92	70-130		
Isopropylbenzene	21.4		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	21.2		µg/kg wet		20.0		106	70-130		
Methyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	21.1		µg/kg wet		20.0		105	70-130		
Methylene chloride	20.8		µg/kg wet		20.0		104	70-130		
Naphthalene	20.6		µg/kg wet		20.0		103	70-130		
n-Propylbenzene	21.9		µg/kg wet		20.0		110	70-130		
Styrene	22.5		µg/kg wet		20.0		112	70-130		
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,1,2,2-Tetrachloroethane	22.4		µg/kg wet		20.0		112	70-130		
Tetrachloroethene	19.7		µg/kg wet		20.0		98	70-130		
Toluene	20.0		µg/kg wet		20.0		100	70-130		
1,2,3-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130		
1,3,5-Trichlorobenzene	21.5		µg/kg wet		20.0		107	70-130		
1,1,1-Trichloroethane	17.8		µg/kg wet		20.0		89	70-130		
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130		
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	18.1		µg/kg wet		20.0		91	70-130		
1,2,3-Trichloropropane	20.8		µg/kg wet		20.0		104	70-130		
1,2,4-Trimethylbenzene	22.3		µg/kg wet		20.0		111	70-130		
1,3,5-Trimethylbenzene	21.7		µg/kg wet		20.0		109	70-130		
Vinyl chloride	19.3		µg/kg wet		20.0		96	70-130		
m,p-Xylene	44.6		µg/kg wet		40.0		111	70-130		
o-Xylene	22.3		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	19.1		µg/kg wet		20.0		96	70-130		
Ethyl ether	21.2		µg/kg wet		20.0		106	70-130		
Tert-amyl methyl ether	19.4		µg/kg wet		20.0		97	70-130		
Ethyl tert-butyl ether	18.7		µg/kg wet		20.0		94	70-130		
Di-isopropyl ether	19.1		µg/kg wet		20.0		95	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115400 - SW846 5035A Soil (low level)										
LCS (1115400-BS1)						Prepared & Analyzed: 04-Aug-11				
Tert-Butanol / butyl alcohol	162		µg/kg wet		200		81	70-130		
1,4-Dioxane	178		µg/kg wet		200		89	70-130		
trans-1,4-Dichloro-2-butene	16.9		µg/kg wet		20.0		84	70-130		
Ethanol	372		µg/kg wet		400		93	70-130		
Surrogate: 4-Bromofluorobenzene	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*43.6*		µg/kg wet		*50.0*		*87*	*70-130*		
Surrogate: Dibromofluoromethane	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
LCS Dup (1115400-BSD1)						Prepared & Analyzed: 04-Aug-11				
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.4		µg/kg wet		20.0		92	70-130	3	25
Acetone	26.4		µg/kg wet		20.0		132	70-130	7	50
Acrylonitrile	19.1		µg/kg wet		20.0		95	70-130	0.1	25
Benzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Bromobenzene	20.9		µg/kg wet		20.0		104	70-130	3	25
Bromochloromethane	20.2		µg/kg wet		20.0		101	70-130	2	25
Bromodichloromethane	18.0		µg/kg wet		20.0		90	70-130	2	25
Bromoform	18.6		µg/kg wet		20.0		93	70-130	4	25
Bromomethane	19.7		µg/kg wet		20.0		98	70-130	7	50
2-Butanone (MEK)	20.4		µg/kg wet		20.0		102	70-130	2	50
n-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130	5	25
sec-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	2	25
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
Carbon disulfide	19.1		µg/kg wet		20.0		96	70-130	2	25
Carbon tetrachloride	16.6		µg/kg wet		20.0		83	70-130	6	25
Chlorobenzene	21.2		µg/kg wet		20.0		106	70-130	0.2	25
Chloroethane	18.7		µg/kg wet		20.0		94	70-130	2	50
Chloroform	17.7		µg/kg wet		20.0		89	70-130	4	25
Chloromethane	17.0		µg/kg wet		20.0		85	70-130	6	25
2-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	2	25
4-Chlorotoluene	20.6		µg/kg wet		20.0		103	70-130	2	25
1,2-Dibromo-3-chloropropane	18.4		µg/kg wet		20.0		92	70-130	13	25
Dibromochloromethane	18.7		µg/kg wet		20.0		93	70-130	1	50
1,2-Dibromoethane (EDB)	20.4		µg/kg wet		20.0		102	70-130	2	25
Dibromomethane	19.2		µg/kg wet		20.0		96	70-130	3	25
1,2-Dichlorobenzene	20.7		µg/kg wet		20.0		104	70-130	6	25
1,3-Dichlorobenzene	21.2		µg/kg wet		20.0		106	70-130	0.6	25
1,4-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130	7	25
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		91	70-130	4	50
1,1-Dichloroethane	18.3		µg/kg wet		20.0		91	70-130	3	25
1,2-Dichloroethane	17.7		µg/kg wet		20.0		89	70-130	2	25
1,1-Dichloroethene	19.7		µg/kg wet		20.0		99	70-130	3	25
cis-1,2-Dichloroethene	20.3		µg/kg wet		20.0		101	70-130	3	25
trans-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	5	25
1,2-Dichloropropane	19.7		µg/kg wet		20.0		98	70-130	5	25
1,3-Dichloropropane	20.3		µg/kg wet		20.0		102	70-130	3	25
2,2-Dichloropropane	16.6		µg/kg wet		20.0		83	70-130	2	25
1,1-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	4	25
cis-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	3	25
trans-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130	1	25
Ethylbenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
Hexachlorobutadiene	18.1		µg/kg wet		20.0		91	70-130	8	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115400 - SW846 5035A Soil (low level)										
LCS Dup (1115400-BSD1)					Prepared & Analyzed: 04-Aug-11					
2-Hexanone (MBK)	18.6		µg/kg wet		20.0		93	70-130	1	25
Isopropylbenzene	21.1		µg/kg wet		20.0		105	70-130	1	25
4-Isopropyltoluene	20.1		µg/kg wet		20.0		100	70-130	5	25
Methyl tert-butyl ether	19.1		µg/kg wet		20.0		96	70-130	0.7	25
4-Methyl-2-pentanone (MIBK)	20.9		µg/kg wet		20.0		104	70-130	1	50
Methylene chloride	19.6		µg/kg wet		20.0		98	70-130	6	25
Naphthalene	19.8		µg/kg wet		20.0		99	70-130	4	25
n-Propylbenzene	21.7		µg/kg wet		20.0		108	70-130	1	25
Styrene	22.7		µg/kg wet		20.0		113	70-130	0.7	25
1,1,1,2-Tetrachloroethane	19.7		µg/kg wet		20.0		98	70-130	0.05	25
1,1,2,2-Tetrachloroethane	21.9		µg/kg wet		20.0		110	70-130	2	25
Tetrachloroethene	18.7		µg/kg wet		20.0		94	70-130	5	25
Toluene	19.7		µg/kg wet		20.0		98	70-130	2	25
1,2,3-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	3	25
1,2,4-Trichlorobenzene	17.9		µg/kg wet		20.0		89	70-130	3	25
1,3,5-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	4	25
1,1,1-Trichloroethane	17.8		µg/kg wet		20.0		89	70-130	0.3	25
1,1,2-Trichloroethane	19.9		µg/kg wet		20.0		100	70-130	3	25
Trichloroethene	19.0		µg/kg wet		20.0		95	70-130	3	25
Trichlorofluoromethane (Freon 11)	18.1		µg/kg wet		20.0		91	70-130	0.1	50
1,2,3-Trichloropropane	20.8		µg/kg wet		20.0		104	70-130	0.1	25
1,2,4-Trimethylbenzene	21.9		µg/kg wet		20.0		109	70-130	2	25
1,3,5-Trimethylbenzene	21.3		µg/kg wet		20.0		106	70-130	2	25
Vinyl chloride	18.7		µg/kg wet		20.0		94	70-130	3	25
m,p-Xylene	44.5		µg/kg wet		40.0		111	70-130	0.2	25
o-Xylene	22.4		µg/kg wet		20.0		112	70-130	0.5	25
Tetrahydrofuran	20.5		µg/kg wet		20.0		102	70-130	7	25
Ethyl ether	21.0		µg/kg wet		20.0		105	70-130	0.6	50
Tert-amyl methyl ether	19.0		µg/kg wet		20.0		95	70-130	2	25
Ethyl tert-butyl ether	18.2		µg/kg wet		20.0		91	70-130	3	25
Di-isopropyl ether	18.6		µg/kg wet		20.0		93	70-130	3	25
Tert-Butanol / butyl alcohol	166		µg/kg wet		200		83	70-130	2	25
1,4-Dioxane	209		µg/kg wet		200		105	70-130	16	25
trans-1,4-Dichloro-2-butene	16.8		µg/kg wet		20.0		84	70-130	0.7	25
Ethanol	368		µg/kg wet		400		92	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*43.6*		µg/kg wet		*50.0*		*87*	*70-130*		
Surrogate: Dibromofluoromethane	*48.0*		µg/kg wet		*50.0*		*96*	*70-130*		
Batch 1115420 - SW846 5030 Soil (high level)										
Blank (1115420-BLK1)					Prepared & Analyzed: 04-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
Blank (1115420-BLK1)					Prepared & Analyzed: 04-Aug-11					
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	2.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	2.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
Blank (1115420-BLK1)					Prepared & Analyzed: 04-Aug-11					
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	2.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*36.3*		µg/kg wet		*30.0*		*121*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*37.7*		µg/kg wet		*30.0*		*126*	*70-130*		
Surrogate: Dibromofluoromethane	*38.4*		µg/kg wet		*30.0*		*128*	*70-130*		
LCS (1115420-BS1)					Prepared & Analyzed: 04-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.9		µg/kg wet		20.0		100	70-130		
Acetone	24.5		µg/kg wet		20.0		122	70-130		
Acrylonitrile	23.2		µg/kg wet		20.0		116	70-130		
Benzene	14.8		µg/kg wet		20.0		74	70-130		
Bromobenzene	19.2		µg/kg wet		20.0		96	70-130		
Bromochloromethane	19.9		µg/kg wet		20.0		99	70-130		
Bromodichloromethane	19.1		µg/kg wet		20.0		96	70-130		
Bromoform	20.1		µg/kg wet		20.0		100	70-130		
Bromomethane	18.3		µg/kg wet		20.0		91	70-130		
2-Butanone (MEK)	21.3		µg/kg wet		20.0		107	70-130		
n-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130		
sec-Butylbenzene	19.7		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Carbon disulfide	18.7		µg/kg wet		20.0		94	70-130		
Carbon tetrachloride	18.1		µg/kg wet		20.0		91	70-130		
Chlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
Chloroethane	21.0		µg/kg wet		20.0		105	70-130		
Chloroform	19.8		µg/kg wet		20.0		99	70-130		
Chloromethane	20.6		µg/kg wet		20.0		103	70-130		
2-Chlorotoluene	18.9		µg/kg wet		20.0		95	70-130		
4-Chlorotoluene	18.7		µg/kg wet		20.0		93	70-130		
1,2-Dibromo-3-chloropropane	22.7		µg/kg wet		20.0		114	70-130		
Dibromochloromethane	16.3		µg/kg wet		20.0		82	70-130		
1,2-Dibromoethane (EDB)	20.5		µg/kg wet		20.0		102	70-130		
Dibromomethane	19.3		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	21.9		µg/kg wet		20.0		109	70-130		
1,1-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
LCS (1115420-BS1)					Prepared & Analyzed: 04-Aug-11					
1,1-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
cis-1,2-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130		
1,3-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130		
2,2-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130		
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
trans-1,3-Dichloropropene	20.5		µg/kg wet		20.0		103	70-130		
Ethylbenzene	19.3		µg/kg wet		20.0		96	70-130		
Hexachlorobutadiene	16.8		µg/kg wet		20.0		84	70-130		
2-Hexanone (MBK)	21.6		µg/kg wet		20.0		108	70-130		
Isopropylbenzene	19.6		µg/kg wet		20.0		98	70-130		
4-Isopropyltoluene	19.2		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	22.2		µg/kg wet		20.0		111	70-130		
Methylene chloride	20.4		µg/kg wet		20.0		102	70-130		
Naphthalene	22.0		µg/kg wet		20.0		110	70-130		
n-Propylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Styrene	20.2		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130		
Tetrachloroethene	19.0		µg/kg wet		20.0		95	70-130		
Toluene	18.5		µg/kg wet		20.0		92	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3,5-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	20.1		µg/kg wet		20.0		100	70-130		
Trichloroethene	18.5		µg/kg wet		20.0		93	70-130		
Trichlorofluoromethane (Freon 11)	20.8		µg/kg wet		20.0		104	70-130		
1,2,3-Trichloropropane	20.2		µg/kg wet		20.0		101	70-130		
1,2,4-Trimethylbenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		96	70-130		
Vinyl chloride	19.5		µg/kg wet		20.0		98	70-130		
m,p-Xylene	38.6		µg/kg wet		40.0		96	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	23.6		µg/kg wet		20.0		118	70-130		
Ethyl ether	21.5		µg/kg wet		20.0		108	70-130		
Tert-amyl methyl ether	20.2		µg/kg wet		20.0		101	70-130		
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	21.3		µg/kg wet		20.0		107	70-130		
Tert-Butanol / butyl alcohol	217		µg/kg wet		200		108	70-130		
1,4-Dioxane	203		µg/kg wet		200		102	70-130		
trans-1,4-Dichloro-2-butene	20.1		µg/kg wet		20.0		100	70-130		
Ethanol	448		µg/kg wet		400		112	70-130		
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*31.1*		µg/kg wet		*30.0*		*104*	*70-130*		
LCS Dup (1115420-BSD1)					Prepared & Analyzed: 04-Aug-11					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
LCS Dup (1115420-BSD1)					Prepared & Analyzed: 04-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0		µg/kg wet		20.0		100	70-130	0.6	25
Acetone	26.7		µg/kg wet		20.0		133	70-130	9	50
Acrylonitrile	21.6		µg/kg wet		20.0		108	70-130	7	25
Benzene	14.6		µg/kg wet		20.0		73	70-130	1	25
Bromobenzene	19.3		µg/kg wet		20.0		97	70-130	0.7	25
Bromochloromethane	19.7		µg/kg wet		20.0		99	70-130	0.8	25
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130	2	25
Bromoform	19.8		µg/kg wet		20.0		99	70-130	2	25
Bromomethane	17.5		µg/kg wet		20.0		88	70-130	4	50
2-Butanone (MEK)	22.2		µg/kg wet		20.0		111	70-130	4	50
n-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130	0.3	25
sec-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	3	25
tert-Butylbenzene	20.3		µg/kg wet		20.0		102	70-130	5	25
Carbon disulfide	18.8		µg/kg wet		20.0		94	70-130	0.4	25
Carbon tetrachloride	18.0		µg/kg wet		20.0		90	70-130	0.3	25
Chlorobenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
Chloroethane	21.0		µg/kg wet		20.0		105	70-130	0.1	50
Chloroform	19.5		µg/kg wet		20.0		97	70-130	2	25
Chloromethane	20.9		µg/kg wet		20.0		105	70-130	1	25
2-Chlorotoluene	19.5		µg/kg wet		20.0		97	70-130	3	25
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130	4	25
1,2-Dibromo-3-chloropropane	20.6		µg/kg wet		20.0		103	70-130	10	25
Dibromochloromethane	16.0		µg/kg wet		20.0		80	70-130	2	50
1,2-Dibromoethane (EDB)	20.0		µg/kg wet		20.0		100	70-130	2	25
Dibromomethane	19.5		µg/kg wet		20.0		98	70-130	1	25
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130	0.2	25
1,3-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	0.1	25
Dichlorodifluoromethane (Freon12)	21.0		µg/kg wet		20.0		105	70-130	4	50
1,1-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130	0.1	25
1,2-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130	0.6	25
1,1-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130	3	25
cis-1,2-Dichloroethene	20.5		µg/kg wet		20.0		102	70-130	2	25
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130	0.9	25
1,2-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	0.7	25
1,3-Dichloropropane	19.1		µg/kg wet		20.0		96	70-130	3	25
2,2-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130	3	25
1,1-Dichloropropene	16.9		µg/kg wet		20.0		84	70-130	2	25
cis-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130	4	25
trans-1,3-Dichloropropene	19.5		µg/kg wet		20.0		98	70-130	5	25
Ethylbenzene	19.9		µg/kg wet		20.0		99	70-130	3	25
Hexachlorobutadiene	16.6		µg/kg wet		20.0		83	70-130	1	50
2-Hexanone (MBK)	20.0		µg/kg wet		20.0		100	70-130	8	25
Isopropylbenzene	19.8		µg/kg wet		20.0		99	70-130	1	25
4-Isopropyltoluene	19.4		µg/kg wet		20.0		97	70-130	1	25
Methyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130	3	25
4-Methyl-2-pentanone (MIBK)	20.5		µg/kg wet		20.0		102	70-130	8	50
Methylene chloride	20.1		µg/kg wet		20.0		100	70-130	2	25
Naphthalene	21.8		µg/kg wet		20.0		109	70-130	1	25
n-Propylbenzene	19.8		µg/kg wet		20.0		99	70-130	1	25
Styrene	20.4		µg/kg wet		20.0		102	70-130	1	25
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet		20.0		100	70-130	1	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
LCS Dup (1115420-BSD1)					Prepared & Analyzed: 04-Aug-11					
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	4	25
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130	0.7	25
Toluene	18.4		µg/kg wet		20.0		92	70-130	0.1	25
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	0.9	25
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130	3	25
1,3,5-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130	0.9	25
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130	0.8	25
1,1,2-Trichloroethane	19.3		µg/kg wet		20.0		96	70-130	4	25
Trichloroethene	18.2		µg/kg wet		20.0		91	70-130	2	25
Trichlorofluoromethane (Freon 11)	20.3		µg/kg wet		20.0		101	70-130	2	50
1,2,3-Trichloropropane	20.1		µg/kg wet		20.0		101	70-130	0.3	25
1,2,4-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,3,5-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
Vinyl chloride	19.7		µg/kg wet		20.0		98	70-130	1	25
m,p-Xylene	39.6		µg/kg wet		40.0		99	70-130	3	25
o-Xylene	19.6		µg/kg wet		20.0		98	70-130	2	25
Tetrahydrofuran	21.6		µg/kg wet		20.0		108	70-130	9	25
Ethyl ether	20.7		µg/kg wet		20.0		103	70-130	4	50
Tert-amyl methyl ether	19.4		µg/kg wet		20.0		97	70-130	4	25
Ethyl tert-butyl ether	18.9		µg/kg wet		20.0		94	70-130	4	25
Di-isopropyl ether	21.0		µg/kg wet		20.0		105	70-130	2	25
Tert-Butanol / butyl alcohol	210		µg/kg wet		200		105	70-130	3	25
1,4-Dioxane	198		µg/kg wet		200		99	70-130	2	25
trans-1,4-Dichloro-2-butene	19.8		µg/kg wet		20.0		99	70-130	1	25
Ethanol	409		µg/kg wet		400		102	70-130	9	30
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Batch 1115504 - SW846 5035A Soil (low level)										
Blank (1115504-BLK1)					Prepared & Analyzed: 05-Aug-11					
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
Blank (1115504-BLK1)					Prepared & Analyzed: 05-Aug-11					
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
Blank (1115504-BLK1)						Prepared & Analyzed: 05-Aug-11				
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*44.0*		µg/kg wet		*50.0*		*88*	*70-130*		
LCS (1115504-BS1)						Prepared & Analyzed: 05-Aug-11				
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/kg wet		20.0		98	70-130		
Acetone	24.2		µg/kg wet		20.0		121	70-130		
Acrylonitrile	20.4		µg/kg wet		20.0		102	70-130		
Benzene	22.1		µg/kg wet		20.0		111	70-130		
Bromobenzene	21.7		µg/kg wet		20.0		109	70-130		
Bromochloromethane	21.6		µg/kg wet		20.0		108	70-130		
Bromodichloromethane	17.7		µg/kg wet		20.0		89	70-130		
Bromoform	17.6		µg/kg wet		20.0		88	70-130		
Bromomethane	21.0		µg/kg wet		20.0		105	70-130		
2-Butanone (MEK)	21.9		µg/kg wet		20.0		110	70-130		
n-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
sec-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130		
tert-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130		
Carbon disulfide	17.7		µg/kg wet		20.0		89	70-130		
Carbon tetrachloride	16.4		µg/kg wet		20.0		82	70-130		
Chlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
Chloroethane	19.3		µg/kg wet		20.0		97	70-130		
Chloroform	18.1		µg/kg wet		20.0		90	70-130		
Chloromethane	17.8		µg/kg wet		20.0		89	70-130		
2-Chlorotoluene	22.0		µg/kg wet		20.0		110	70-130		
4-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130		
1,2-Dibromo-3-chloropropane	19.6		µg/kg wet		20.0		98	70-130		
Dibromochloromethane	18.0		µg/kg wet		20.0		90	70-130		
1,2-Dibromoethane (EDB)	20.9		µg/kg wet		20.0		105	70-130		
Dibromomethane	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	22.6		µg/kg wet		20.0		113	70-130		
1,3-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
1,4-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
Dichlorodifluoromethane (Freon12)	17.5		µg/kg wet		20.0		88	70-130		
1,1-Dichloroethane	19.1		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	17.7		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethene	20.9		µg/kg wet		20.0		105	70-130		
cis-1,2-Dichloroethene	21.3		µg/kg wet		20.0		107	70-130		
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130		
1,2-Dichloropropane	21.3		µg/kg wet		20.0		106	70-130		
1,3-Dichloropropane	20.9		µg/kg wet		20.0		104	70-130		
2,2-Dichloropropane	16.4		µg/kg wet		20.0		82	70-130		
1,1-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130		
trans-1,3-Dichloropropene	17.1		µg/kg wet		20.0		86	70-130		
Ethylbenzene	22.8		µg/kg wet		20.0		114	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
LCS (1115504-BS1)					Prepared & Analyzed: 05-Aug-11					
Hexachlorobutadiene	20.3		µg/kg wet		20.0		101	70-130		
2-Hexanone (MBK)	19.2		µg/kg wet		20.0		96	70-130		
Isopropylbenzene	22.4		µg/kg wet		20.0		112	70-130		
4-Isopropyltoluene	22.3		µg/kg wet		20.0		112	70-130		
Methyl tert-butyl ether	20.4		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	24.0		µg/kg wet		20.0		120	70-130		
Methylene chloride	21.4		µg/kg wet		20.0		107	70-130		
Naphthalene	23.2		µg/kg wet		20.0		116	70-130		
n-Propylbenzene	23.0		µg/kg wet		20.0		115	70-130		
Styrene	23.4		µg/kg wet		20.0		117	70-130		
1,1,1,2-Tetrachloroethane	18.9		µg/kg wet		20.0		94	70-130		
1,1,2,2-Tetrachloroethane	23.2		µg/kg wet		20.0		116	70-130		
Tetrachloroethene	19.5		µg/kg wet		20.0		98	70-130		
Toluene	21.0		µg/kg wet		20.0		105	70-130		
1,2,3-Trichlorobenzene	21.3		µg/kg wet		20.0		106	70-130		
1,2,4-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,3,5-Trichlorobenzene	23.2		µg/kg wet		20.0		116	70-130		
1,1,1-Trichloroethane	17.5		µg/kg wet		20.0		88	70-130		
1,1,2-Trichloroethane	21.1		µg/kg wet		20.0		105	70-130		
Trichloroethene	20.1		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	17.7		µg/kg wet		20.0		88	70-130		
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	23.1		µg/kg wet		20.0		115	70-130		
1,3,5-Trimethylbenzene	22.5		µg/kg wet		20.0		113	70-130		
Vinyl chloride	19.7		µg/kg wet		20.0		99	70-130		
m,p-Xylene	46.8		µg/kg wet		40.0		117	70-130		
o-Xylene	23.4		µg/kg wet		20.0		117	70-130		
Tetrahydrofuran	19.4		µg/kg wet		20.0		97	70-130		
Ethyl ether	23.2		µg/kg wet		20.0		116	70-130		
Tert-amyl methyl ether	18.8		µg/kg wet		20.0		94	70-130		
Ethyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	20.1		µg/kg wet		20.0		100	70-130		
Tert-Butanol / butyl alcohol	163		µg/kg wet		200		81	70-130		
1,4-Dioxane	231		µg/kg wet		200		115	70-130		
trans-1,4-Dichloro-2-butene	16.4		µg/kg wet		20.0		82	70-130		
Ethanol	358		µg/kg wet		400		90	70-130		
Surrogate: 4-Bromofluorobenzene	*50.5*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*42.0*		µg/kg wet		*50.0*		*84*	*70-130*		
Surrogate: Dibromofluoromethane	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
LCS Dup (1115504-BSD1)					Prepared & Analyzed: 05-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.0		µg/kg wet		20.0		95	70-130	3	25
Acetone	22.3		µg/kg wet		20.0		111	70-130	8	50
Acrylonitrile	18.8		µg/kg wet		20.0		94	70-130	8	25
Benzene	21.4		µg/kg wet		20.0		107	70-130	4	25
Bromobenzene	20.9		µg/kg wet		20.0		105	70-130	4	25
Bromochloromethane	20.9		µg/kg wet		20.0		104	70-130	4	25
Bromodichloromethane	17.4		µg/kg wet		20.0		87	70-130	2	25
Bromoform	16.8		µg/kg wet		20.0		84	70-130	4	25
Bromomethane	19.9		µg/kg wet		20.0		99	70-130	5	50
2-Butanone (MEK)	18.9		µg/kg wet		20.0		95	70-130	15	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
LCS Dup (1115504-BSD1)					Prepared & Analyzed: 05-Aug-11					
n-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130	4	25
sec-Butylbenzene	21.7		µg/kg wet		20.0		109	70-130	5	25
tert-Butylbenzene	21.5		µg/kg wet		20.0		108	70-130	4	25
Carbon disulfide	18.4		µg/kg wet		20.0		92	70-130	4	25
Carbon tetrachloride	16.0		µg/kg wet		20.0		80	70-130	2	25
Chlorobenzene	20.9		µg/kg wet		20.0		104	70-130	5	25
Chloroethane	18.5		µg/kg wet		20.0		92	70-130	4	50
Chloroform	17.8		µg/kg wet		20.0		89	70-130	2	25
Chloromethane	16.9		µg/kg wet		20.0		84	70-130	5	25
2-Chlorotoluene	21.1		µg/kg wet		20.0		105	70-130	4	25
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	5	25
1,2-Dibromo-3-chloropropane	17.2		µg/kg wet		20.0		86	70-130	13	25
Dibromochloromethane	17.3		µg/kg wet		20.0		87	70-130	4	50
1,2-Dibromoethane (EDB)	20.4		µg/kg wet		20.0		102	70-130	2	25
Dibromomethane	19.0		µg/kg wet		20.0		95	70-130	2	25
1,2-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130	4	25
1,3-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	7	25
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	7	25
Dichlorodifluoromethane (Freon12)	17.7		µg/kg wet		20.0		89	70-130	1	50
1,1-Dichloroethane	18.7		µg/kg wet		20.0		93	70-130	2	25
1,2-Dichloroethane	17.1		µg/kg wet		20.0		85	70-130	4	25
1,1-Dichloroethene	19.9		µg/kg wet		20.0		99	70-130	5	25
cis-1,2-Dichloroethene	20.7		µg/kg wet		20.0		104	70-130	3	25
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	4	25
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	6	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	5	25
2,2-Dichloropropane	15.8		µg/kg wet		20.0		79	70-130	4	25
1,1-Dichloropropene	19.9		µg/kg wet		20.0		99	70-130	3	25
cis-1,3-Dichloropropene	18.3		µg/kg wet		20.0		91	70-130	6	25
trans-1,3-Dichloropropene	17.0		µg/kg wet		20.0		85	70-130	0.9	25
Ethylbenzene	21.6		µg/kg wet		20.0		108	70-130	6	25
Hexachlorobutadiene	19.2		µg/kg wet		20.0		96	70-130	6	50
2-Hexanone (MBK)	16.9		µg/kg wet		20.0		84	70-130	13	25
Isopropylbenzene	21.0		µg/kg wet		20.0		105	70-130	6	25
4-Isopropyltoluene	21.5		µg/kg wet		20.0		108	70-130	4	25
Methyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130	3	25
4-Methyl-2-pentanone (MIBK)	22.1		µg/kg wet		20.0		110	70-130	8	50
Methylene chloride	20.4		µg/kg wet		20.0		102	70-130	4	25
Naphthalene	21.1		µg/kg wet		20.0		106	70-130	9	25
n-Propylbenzene	21.8		µg/kg wet		20.0		109	70-130	5	25
Styrene	22.6		µg/kg wet		20.0		113	70-130	4	25
1,1,1,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130	0.7	25
1,1,2,2-Tetrachloroethane	21.3		µg/kg wet		20.0		106	70-130	8	25
Tetrachloroethene	19.4		µg/kg wet		20.0		97	70-130	0.5	25
Toluene	20.5		µg/kg wet		20.0		103	70-130	3	25
1,2,3-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	8	25
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130	7	25
1,3,5-Trichlorobenzene	21.7		µg/kg wet		20.0		109	70-130	6	25
1,1,1-Trichloroethane	17.1		µg/kg wet		20.0		86	70-130	2	25
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
Trichloroethene	19.2		µg/kg wet		20.0		96	70-130	5	25
Trichlorofluoromethane (Freon 11)	17.4		µg/kg wet		20.0		87	70-130	1	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
LCS Dup (1115504-BSD1)					Prepared & Analyzed: 05-Aug-11					
1,2,3-Trichloropropane	21.0		µg/kg wet		20.0		105	70-130	4	25
1,2,4-Trimethylbenzene	22.0		µg/kg wet		20.0		110	70-130	5	25
1,3,5-Trimethylbenzene	21.7		µg/kg wet		20.0		108	70-130	4	25
Vinyl chloride	18.8		µg/kg wet		20.0		94	70-130	5	25
m,p-Xylene	44.6		µg/kg wet		40.0		112	70-130	5	25
o-Xylene	22.0		µg/kg wet		20.0		110	70-130	6	25
Tetrahydrofuran	19.1		µg/kg wet		20.0		96	70-130	1	25
Ethyl ether	21.2		µg/kg wet		20.0		106	70-130	9	50
Tert-amyl methyl ether	17.8		µg/kg wet		20.0		89	70-130	5	25
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		98	70-130	3	25
Di-isopropyl ether	19.4		µg/kg wet		20.0		97	70-130	4	25
Tert-Butanol / butyl alcohol	157		µg/kg wet		200		78	70-130	4	25
1,4-Dioxane	223		µg/kg wet		200		111	70-130	4	25
trans-1,4-Dichloro-2-butene	15.2		µg/kg wet		20.0		76	70-130	8	25
Ethanol	345		µg/kg wet		400		86	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*49.5*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*42.0*		µg/kg wet		*50.0*		*84*	*70-130*		
Surrogate: Dibromofluoromethane	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Batch 1115532 - SW846 5030 Soil (high level)										
Blank (1115532-BLK1)					Prepared & Analyzed: 05-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115532 - SW846 5030 Soil (high level)										
Blank (1115532-BLK1)					Prepared & Analyzed: 05-Aug-11					
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*30.7*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*26.6*		µg/kg wet		*30.0*		*89*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115532 - SW846 5030 Soil (high level)										
LCS (1115532-BS1)					Prepared & Analyzed: 05-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.1		µg/kg wet		20.0		96	70-130		
Acetone	19.2		µg/kg wet		20.0		96	70-130		
Acrylonitrile	17.9		µg/kg wet		20.0		90	70-130		
Benzene	20.2		µg/kg wet		20.0		101	70-130		
Bromobenzene	21.3		µg/kg wet		20.0		106	70-130		
Bromochloromethane	20.1		µg/kg wet		20.0		101	70-130		
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130		
Bromoform	20.5		µg/kg wet		20.0		103	70-130		
Bromomethane	18.6		µg/kg wet		20.0		93	70-130		
2-Butanone (MEK)	18.6		µg/kg wet		20.0		93	70-130		
n-Butylbenzene	21.0		µg/kg wet		20.0		105	70-130		
sec-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
tert-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130		
Carbon disulfide	21.4		µg/kg wet		20.0		107	70-130		
Carbon tetrachloride	20.6		µg/kg wet		20.0		103	70-130		
Chlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
Chloroethane	19.0		µg/kg wet		20.0		95	70-130		
Chloroform	17.6		µg/kg wet		20.0		88	70-130		
Chloromethane	18.6		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	20.1		µg/kg wet		20.0		101	70-130		
4-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dibromo-3-chloropropane	18.6		µg/kg wet		20.0		93	70-130		
Dibromochloromethane	20.5		µg/kg wet		20.0		103	70-130		
1,2-Dibromoethane (EDB)	20.9		µg/kg wet		20.0		104	70-130		
Dibromomethane	20.1		µg/kg wet		20.0		101	70-130		
1,2-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,3-Dichlorobenzene	20.9		µg/kg wet		20.0		105	70-130		
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	17.9		µg/kg wet		20.0		89	70-130		
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,2-Dichloroethane	19.1		µg/kg wet		20.0		95	70-130		
1,1-Dichloroethene	19.7		µg/kg wet		20.0		98	70-130		
cis-1,2-Dichloroethene	19.7		µg/kg wet		20.0		98	70-130		
trans-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dichloropropane	20.8		µg/kg wet		20.0		104	70-130		
1,3-Dichloropropane	19.9		µg/kg wet		20.0		100	70-130		
2,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130		
1,1-Dichloropropene	21.2		µg/kg wet		20.0		106	70-130		
cis-1,3-Dichloropropene	23.1		µg/kg wet		20.0		115	70-130		
trans-1,3-Dichloropropene	23.1		µg/kg wet		20.0		116	70-130		
Ethylbenzene	21.7		µg/kg wet		20.0		109	70-130		
Hexachlorobutadiene	20.2		µg/kg wet		20.0		101	70-130		
2-Hexanone (MBK)	19.6		µg/kg wet		20.0		98	70-130		
Isopropylbenzene	20.7		µg/kg wet		20.0		103	70-130		
4-Isopropyltoluene	22.5		µg/kg wet		20.0		113	70-130		
Methyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	19.1		µg/kg wet		20.0		96	70-130		
Methylene chloride	18.9		µg/kg wet		20.0		95	70-130		
Naphthalene	19.7		µg/kg wet		20.0		98	70-130		
n-Propylbenzene	22.3		µg/kg wet		20.0		111	70-130		
Styrene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	21.5		µg/kg wet		20.0		107	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115532 - SW846 5030 Soil (high level)										
LCS (1115532-BS1)					Prepared & Analyzed: 05-Aug-11					
1,1,2,2-Tetrachloroethane	14.5		µg/kg wet		20.0		73	70-130		
Tetrachloroethene	21.3		µg/kg wet		20.0		107	70-130		
Toluene	20.6		µg/kg wet		20.0		103	70-130		
1,2,3-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,2,4-Trichlorobenzene	20.5		µg/kg wet		20.0		103	70-130		
1,3,5-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,1,1-Trichloroethane	20.8		µg/kg wet		20.0		104	70-130		
1,1,2-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130		
Trichloroethene	21.8		µg/kg wet		20.0		109	70-130		
Trichlorofluoromethane (Freon 11)	18.7		µg/kg wet		20.0		94	70-130		
1,2,3-Trichloropropane	19.4		µg/kg wet		20.0		97	70-130		
1,2,4-Trimethylbenzene	22.7		µg/kg wet		20.0		113	70-130		
1,3,5-Trimethylbenzene	23.2		µg/kg wet		20.0		116	70-130		
Vinyl chloride	18.5		µg/kg wet		20.0		93	70-130		
m,p-Xylene	44.1		µg/kg wet		40.0		110	70-130		
o-Xylene	22.2		µg/kg wet		20.0		111	70-130		
Tetrahydrofuran	21.9		µg/kg wet		20.0		110	70-130		
Ethyl ether	19.8		µg/kg wet		20.0		99	70-130		
Tert-amyl methyl ether	21.4		µg/kg wet		20.0		107	70-130		
Ethyl tert-butyl ether	20.1		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-Butanol / butyl alcohol	180		µg/kg wet		200		90	70-130		
1,4-Dioxane	214		µg/kg wet		200		107	70-130		
trans-1,4-Dichloro-2-butene	17.4		µg/kg wet		20.0		87	70-130		
Ethanol	339		µg/kg wet		400		85	70-130		
Surrogate: 4-Bromofluorobenzene	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*31.1*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.8*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*27.9*		µg/kg wet		*30.0*		*93*	*70-130*		
LCS Dup (1115532-BSD1)					Prepared & Analyzed: 05-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.2		µg/kg wet		20.0		101	70-130	5	25
Acetone	17.9		µg/kg wet		20.0		89	70-130	7	50
Acrylonitrile	17.9		µg/kg wet		20.0		89	70-130	0.2	25
Benzene	20.5		µg/kg wet		20.0		102	70-130	2	25
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130	3	25
Bromodichloromethane	21.4		µg/kg wet		20.0		107	70-130	1	25
Bromoform	21.1		µg/kg wet		20.0		106	70-130	3	25
Bromomethane	19.1		µg/kg wet		20.0		96	70-130	2	50
2-Butanone (MEK)	16.5		µg/kg wet		20.0		82	70-130	12	50
n-Butylbenzene	21.9		µg/kg wet		20.0		110	70-130	4	25
sec-Butylbenzene	22.9		µg/kg wet		20.0		115	70-130	4	25
tert-Butylbenzene	23.5		µg/kg wet		20.0		117	70-130	3	25
Carbon disulfide	22.4		µg/kg wet		20.0		112	70-130	5	25
Carbon tetrachloride	21.2		µg/kg wet		20.0		106	70-130	3	25
Chlorobenzene	21.0		µg/kg wet		20.0		105	70-130	1	25
Chloroethane	19.7		µg/kg wet		20.0		98	70-130	4	50
Chloroform	18.2		µg/kg wet		20.0		91	70-130	3	25
Chloromethane	18.9		µg/kg wet		20.0		95	70-130	2	25
2-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130	1	25
4-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115532 - SW846 5030 Soil (high level)										
LCS Dup (1115532-BSD1)					Prepared & Analyzed: 05-Aug-11					
1,2-Dibromo-3-chloropropane	19.0		µg/kg wet		20.0		95	70-130	3	25
Dibromochloromethane	20.7		µg/kg wet		20.0		104	70-130	1	50
1,2-Dibromoethane (EDB)	21.3		µg/kg wet		20.0		106	70-130	2	25
Dibromomethane	20.5		µg/kg wet		20.0		102	70-130	2	25
1,2-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
1,3-Dichlorobenzene	21.5		µg/kg wet		20.0		108	70-130	3	25
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	2	25
Dichlorodifluoromethane (Freon12)	18.7		µg/kg wet		20.0		94	70-130	5	50
1,1-Dichloroethane	19.9		µg/kg wet		20.0		100	70-130	2	25
1,2-Dichloroethane	19.6		µg/kg wet		20.0		98	70-130	2	25
1,1-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130	4	25
cis-1,2-Dichloroethene	19.9		µg/kg wet		20.0		100	70-130	1	25
trans-1,2-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130	3	25
1,2-Dichloropropane	20.6		µg/kg wet		20.0		103	70-130	1	25
1,3-Dichloropropane	20.1		µg/kg wet		20.0		101	70-130	1	25
2,2-Dichloropropane	21.3		µg/kg wet		20.0		106	70-130	1	25
1,1-Dichloropropene	21.6		µg/kg wet		20.0		108	70-130	2	25
cis-1,3-Dichloropropene	23.1		µg/kg wet		20.0		116	70-130	0.3	25
trans-1,3-Dichloropropene	23.4		µg/kg wet		20.0		117	70-130	1	25
Ethylbenzene	22.4		µg/kg wet		20.0		112	70-130	3	25
Hexachlorobutadiene	22.3		µg/kg wet		20.0		112	70-130	10	50
2-Hexanone (MBK)	18.7		µg/kg wet		20.0		94	70-130	4	25
Isopropylbenzene	21.5		µg/kg wet		20.0		108	70-130	4	25
4-Isopropyltoluene	23.0		µg/kg wet		20.0		115	70-130	2	25
Methyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130	1	25
4-Methyl-2-pentanone (MIBK)	19.5		µg/kg wet		20.0		98	70-130	2	50
Methylene chloride	19.4		µg/kg wet		20.0		97	70-130	3	25
Naphthalene	20.6		µg/kg wet		20.0		103	70-130	5	25
n-Propylbenzene	23.4		µg/kg wet		20.0		117	70-130	5	25
Styrene	20.5		µg/kg wet		20.0		103	70-130	5	25
1,1,1,2-Tetrachloroethane	21.7		µg/kg wet		20.0		109	70-130	1	25
1,1,2,2-Tetrachloroethane	14.9		µg/kg wet		20.0		75	70-130	3	25
Tetrachloroethene	21.6		µg/kg wet		20.0		108	70-130	2	25
Toluene	20.9		µg/kg wet		20.0		104	70-130	2	25
1,2,3-Trichlorobenzene	22.6		µg/kg wet		20.0		113	70-130	10	25
1,2,4-Trichlorobenzene	22.1		µg/kg wet		20.0		110	70-130	7	25
1,3,5-Trichlorobenzene	22.6		µg/kg wet		20.0		113	70-130	8	25
1,1,1-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130	4	25
1,1,2-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130	0	25
Trichloroethene	22.4		µg/kg wet		20.0		112	70-130	3	25
Trichlorofluoromethane (Freon 11)	19.3		µg/kg wet		20.0		97	70-130	3	50
1,2,3-Trichloropropane	19.6		µg/kg wet		20.0		98	70-130	0.7	25
1,2,4-Trimethylbenzene	23.7		µg/kg wet		20.0		118	70-130	4	25
1,3,5-Trimethylbenzene	23.7		µg/kg wet		20.0		118	70-130	2	25
Vinyl chloride	18.4		µg/kg wet		20.0		92	70-130	0.4	25
m,p-Xylene	45.4		µg/kg wet		40.0		114	70-130	3	25
o-Xylene	22.8		µg/kg wet		20.0		114	70-130	3	25
Tetrahydrofuran	22.8		µg/kg wet		20.0		114	70-130	4	25
Ethyl ether	19.4		µg/kg wet		20.0		97	70-130	2	50
Tert-amyl methyl ether	21.5		µg/kg wet		20.0		107	70-130	0.3	25
Ethyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130	1	25
Di-isopropyl ether	19.4		µg/kg wet		20.0		97	70-130	0.2	25

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115532 - SW846 5030 Soil (high level)										
LCS Dup (1115532-BSD1)					Prepared & Analyzed: 05-Aug-11					
Tert-Butanol / butyl alcohol	184		µg/kg wet		200		92	70-130	2	25
1,4-Dioxane	221		µg/kg wet		200		110	70-130	3	25
trans-1,4-Dichloro-2-butene	17.8		µg/kg wet		20.0		89	70-130	3	25
Ethanol	342		µg/kg wet		400		85	70-130	0.7	30
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.7*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*27.8*		µg/kg wet		*30.0*		*93*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115383 - SW846 3545A										
Blank (1115383-BLK1)					Prepared: 04-Aug-11 Analyzed: 05-Aug-11					
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	*1190*		µg/kg wet		*1670*		*71*	*30-130*		
Surrogate: Terphenyl-dl4	*1250*		µg/kg wet		*1670*		*75*	*30-130*		
LCS (1115383-BS1)					Prepared: 04-Aug-11 Analyzed: 05-Aug-11					
Acenaphthene	1220		µg/kg wet	165	1670		73	40-140		
Acenaphthylene	1220		µg/kg wet	165	1670		73	40-140		
Anthracene	1190		µg/kg wet	165	1670		71	40-140		
Benzo (a) anthracene	1210		µg/kg wet	165	1670		73	40-140		
Benzo (a) pyrene	1280		µg/kg wet	165	1670		77	40-140		
Benzo (b) fluoranthene	1120		µg/kg wet	165	1670		67	40-140		
Benzo (g,h,i) perylene	1190		µg/kg wet	165	1670		71	40-140		
Benzo (k) fluoranthene	1420		µg/kg wet	165	1670		85	40-140		
Chrysene	1270		µg/kg wet	165	1670		76	40-140		
Dibenzo (a,h) anthracene	1310		µg/kg wet	165	1670		78	40-140		
Fluoranthene	1110		µg/kg wet	165	1670		67	40-140		
Fluorene	1180		µg/kg wet	165	1670		71	40-140		
Indeno (1,2,3-cd) pyrene	1170		µg/kg wet	165	1670		70	40-140		
1-Methylnaphthalene	1280		µg/kg wet	165	1670		77	40-140		
2-Methylnaphthalene	1200		µg/kg wet	165	1670		72	40-140		
Naphthalene	1120		µg/kg wet	165	1670		67	40-140		
Phenanthrene	1080		µg/kg wet	165	1670		65	40-140		
Pyrene	1190		µg/kg wet	165	1670		72	40-140		
Surrogate: 2-Fluorobiphenyl	*1410*		µg/kg wet		*1670*		*84*	*30-130*		
Surrogate: Terphenyl-dl4	*1280*		µg/kg wet		*1670*		*77*	*30-130*		
Batch 1115862 - SW846 3545A										
Blank (1115862-BLK1)					Prepared & Analyzed: 10-Aug-11					
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						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115862 - SW846 3545A										
Blank (1115862-BLK1)					Prepared & Analyzed: 10-Aug-11					
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	*1090*		µg/kg wet		*1670*		*65*	*30-130*		
Surrogate: Terphenyl-dl4	*1140*		µg/kg wet		*1670*		*68*	*30-130*		
LCS (1115862-BS1)					Prepared & Analyzed: 10-Aug-11					
Acenaphthene	1200		µg/kg wet	165	1670		72	40-140		
Acenaphthylene	1190		µg/kg wet	165	1670		71	40-140		
Anthracene	1180		µg/kg wet	165	1670		71	40-140		
Benzo (a) anthracene	1270		µg/kg wet	165	1670		76	40-140		
Benzo (a) pyrene	1270		µg/kg wet	165	1670		76	40-140		
Benzo (b) fluoranthene	1090		µg/kg wet	165	1670		65	40-140		
Benzo (g,h,i) perylene	1230		µg/kg wet	165	1670		74	40-140		
Benzo (k) fluoranthene	1380		µg/kg wet	165	1670		83	40-140		
Chrysene	1210		µg/kg wet	165	1670		73	40-140		
Dibenzo (a,h) anthracene	1290		µg/kg wet	165	1670		77	40-140		
Fluoranthene	1180		µg/kg wet	165	1670		71	40-140		
Fluorene	1140		µg/kg wet	165	1670		68	40-140		
Indeno (1,2,3-cd) pyrene	1150		µg/kg wet	165	1670		69	40-140		
1-Methylnaphthalene	1260		µg/kg wet	165	1670		76	40-140		
2-Methylnaphthalene	1200		µg/kg wet	165	1670		72	40-140		
Naphthalene	1110		µg/kg wet	165	1670		67	40-140		
Phenanthrene	1170		µg/kg wet	165	1670		70	40-140		
Pyrene	1200		µg/kg wet	165	1670		72	40-140		
Surrogate: 2-Fluorobiphenyl	*1210*		µg/kg wet		*1670*		*72*	*30-130*		
Surrogate: Terphenyl-dl4	*1160*		µg/kg wet		*1670*		*69*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115382 - SW846 3545A										
Blank (1115382-BLK1)						Prepared & Analyzed: 04-Aug-11				
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						
Diesel Range Organics (DRO)	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.26*		mg/kg wet		*3.33*		*98*	*40-140*		
LCS (1115382-BS2)						Prepared & Analyzed: 04-Aug-11				
Fuel Oil #2	612		mg/kg wet	13.3	667		92	40-140		
Surrogate: 1-Chlorooctadecane	*3.33*		mg/kg wet		*3.33*		*100*	*40-140*		
Duplicate (1115382-DUP2)			**Source: SB32755-20**			Prepared: 04-Aug-11 Analyzed: 05-Aug-11				
Fuel Oil #2	BRL		mg/kg dry	30.3		BRL				50
Fuel Oil #4	BRL		mg/kg dry	30.3		BRL				50
Fuel Oil #6	BRL		mg/kg dry	30.3		BRL				50
Motor Oil	BRL		mg/kg dry	30.3		BRL				50
Aviation Fuel	BRL		mg/kg dry	30.3		BRL				50
Unidentified	BRL		mg/kg dry	30.3		BRL				50
Other Oil	BRL		mg/kg dry	30.3		BRL				50
Diesel Range Organics (DRO)	BRL		mg/kg dry	30.3		BRL				50
Surrogate: 1-Chlorooctadecane	*4.37*		mg/kg dry		*3.79*		*115*	*40-140*		
Matrix Spike (1115382-MS2)			**Source: SB32755-20**			Prepared: 04-Aug-11 Analyzed: 05-Aug-11				
Diesel Range Organics (DRO)	827		mg/kg dry	15.1	758	BRL	109	40-140		
Surrogate: 1-Chlorooctadecane	*4.65*		mg/kg dry		*3.79*		*123*	*40-140*		
Matrix Spike Dup (1115382-MSD2)			**Source: SB32755-20**			Prepared: 04-Aug-11 Analyzed: 05-Aug-11				
Diesel Range Organics (DRO)	766		mg/kg dry	14.5	728	BRL	105	40-140	4	200
Surrogate: 1-Chlorooctadecane	*4.28*		mg/kg dry		*3.64*		*118*	*40-140*		
Batch 1115861 - SW846 3545A										
Blank (1115861-BLK1)						Prepared & Analyzed: 10-Aug-11				
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						
Diesel Range Organics (DRO)	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.43*		mg/kg wet		*3.33*		*73*	*40-140*		
LCS (1115861-BS2)						Prepared & Analyzed: 10-Aug-11				
Fuel Oil #2	531		mg/kg wet	13.3	667		80	40-140		
Surrogate: 1-Chlorooctadecane	*2.71*		mg/kg wet		*3.33*		*81*	*40-140*		
Duplicate (1115861-DUP2)			**Source: SB32755-15**			Prepared & Analyzed: 10-Aug-11				
Fuel Oil #2	BRL		mg/kg dry	33.5		BRL				50
Fuel Oil #4	BRL		mg/kg dry	33.5		BRL				50
Fuel Oil #6	BRL		mg/kg dry	33.5		BRL				50
Motor Oil	BRL		mg/kg dry	33.5		BRL				50
Aviation Fuel	BRL		mg/kg dry	33.5		BRL				50
Unidentified	BRL		mg/kg dry	33.5		BRL				50

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115861 - SW846 3545A										
Duplicate (1115861-DUP2)			**Source: SB32755-15**		Prepared & Analyzed: 10-Aug-11					
Other Oil	BRL		mg/kg dry	33.5		BRL				50
Diesel Range Organics (DRO)	BRL		mg/kg dry	33.5		BRL				50
Surrogate: 1-Chlorooctadecane	*3.72*		mg/kg dry		*4.20*		*89*	*40-140*		
Matrix Spike (1115861-MS2)			**Source: SB32755-15**		Prepared & Analyzed: 10-Aug-11					
Diesel Range Organics (DRO)	759		mg/kg dry	17.2	860	BRL	88	40-140		
Surrogate: 1-Chlorooctadecane	*3.91*		mg/kg dry		*4.30*		*91*	*40-140*		
Matrix Spike Dup (1115861-MSD2)			**Source: SB32755-15**		Prepared & Analyzed: 10-Aug-11					
Diesel Range Organics (DRO)	732		mg/kg dry	16.7	839	BRL	87	40-140	1	200
Surrogate: 1-Chlorooctadecane	*3.72*		mg/kg dry		*4.19*		*89*	*40-140*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115399 - EPA200/SW7000 Series										
Blank (1115399-BLK1)						Prepared & Analyzed: 04-Aug-11				
Mercury	BRL		mg/kg wet	0.0270						
Duplicate (1115399-DUP1)			**Source: SB32755-23**			Prepared & Analyzed: 04-Aug-11				
Mercury	0.0820	QR6	mg/kg dry	0.0310		0.0478			53	20
Matrix Spike (1115399-MS1)			**Source: SB32755-23**			Prepared & Analyzed: 04-Aug-11				
Mercury	0.506		mg/kg dry	0.151	0.420	0.0478	109	75-125		
Post Spike (1115399-PS1)			**Source: SB32755-23**			Prepared & Analyzed: 04-Aug-11				
Mercury	0.522		mg/kg dry	0.160	0.444	0.0478	107	80-120		
Reference (1115399-SRM1)						Prepared & Analyzed: 04-Aug-11				
Mercury	2.49		mg/kg wet	0.300	2.23		112	71.8-127.8		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115398 - EPA 200 Series										
Blank (1115398-BLK1)					Prepared & Analyzed: 04-Aug-11					
Selenium	BRL		mg/kg wet	1.36						
Silver	BRL		mg/kg wet	1.36						
Thallium	BRL		mg/kg wet	2.72						
Antimony	BRL		mg/kg wet	4.53						
Aluminum	BRL		mg/kg wet	4.53						
Zinc	BRL		mg/kg wet	0.906						
Nickel	BRL		mg/kg wet	0.906						
Beryllium	BRL		mg/kg wet	0.453						
Arsenic	BRL		mg/kg wet	1.36						
Cadmium	BRL		mg/kg wet	0.453						
Chromium	BRL		mg/kg wet	0.906						
Copper	BRL		mg/kg wet	0.906						
Lead	BRL		mg/kg wet	1.36						
Duplicate (1115398-DUP1)			**Source: SB32755-23**		Prepared & Analyzed: 04-Aug-11					
Nickel	9.52	QR9	mg/kg dry	1.02		6.40			39	20
Aluminum	4560		mg/kg dry	5.08		5130			12	20
Zinc	43.9		mg/kg dry	1.02		43.0			2	20
Thallium	2.75	J	mg/kg dry	3.05		2.90			5	20
Selenium	BRL		mg/kg dry	1.52		BRL				20
Antimony	0.467	J	mg/kg dry	5.08		0.413			12	20
Silver	BRL		mg/kg dry	1.52		BRL				20
Lead	18.1		mg/kg dry	1.52		18.4			2	20
Copper	6.82		mg/kg dry	1.02		6.41			6	20
Chromium	12.8	QR9	mg/kg dry	1.02		6.06			71	20
Cadmium	0.731		mg/kg dry	0.508		0.707			3	20
Arsenic	3.58		mg/kg dry	1.52		3.30			8	20
Beryllium	0.376	J	mg/kg dry	0.508		0.368			2	20
Matrix Spike (1115398-MS1)			**Source: SB32755-23**		Prepared & Analyzed: 04-Aug-11					
Zinc	179		mg/kg dry	1.02	127	43.0	107	70-130		
Thallium	130		mg/kg dry	3.05	127	2.90	100	70-130		
Selenium	129		mg/kg dry	1.52	127	BRL	102	70-130		
Nickel	137		mg/kg dry	1.02	127	6.40	103	70-130		
Antimony	104		mg/kg dry	5.08	127	0.413	82	70-130		
Aluminum	6350	QM2	mg/kg dry	5.08	127	5130	961	70-130		
Silver	128		mg/kg dry	1.52	127	BRL	101	70-130		
Cadmium	133		mg/kg dry	0.508	127	0.707	105	70-130		
Chromium	132		mg/kg dry	1.02	127	6.06	99	70-130		
Copper	140		mg/kg dry	1.02	127	6.41	105	70-130		
Arsenic	131		mg/kg dry	1.52	127	3.30	101	70-130		
Lead	151		mg/kg dry	1.52	127	18.4	104	70-130		
Beryllium	124		mg/kg dry	0.508	127	0.368	98	70-130		
Post Spike (1115398-PS1)			**Source: SB32755-23**		Prepared & Analyzed: 04-Aug-11					
Antimony	126		mg/kg dry	4.98	124	0.413	101	85-115		
Zinc	169		mg/kg dry	0.995	124	43.0	101	85-115		
Selenium	137		mg/kg dry	1.49	124	BRL	110	85-115		
Nickel	132		mg/kg dry	0.995	124	6.40	101	85-115		
Aluminum	4280	QM2	mg/kg dry	4.98	124	5130	-684	85-115		
Silver	123		mg/kg dry	1.49	124	BRL	99	85-115		
Thallium	127		mg/kg dry	2.99	124	2.90	100	85-115		
Arsenic	132		mg/kg dry	1.49	124	3.30	103	85-115		
Beryllium	118		mg/kg dry	0.498	124	0.368	95	85-115		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115398 - EPA 200 Series										
Post Spike (1115398-PS1)			**Source: SB32755-23**		Prepared & Analyzed: 04-Aug-11					
Cadmium	128		mg/kg dry	0.498	124	0.707	102	85-115		
Chromium	126		mg/kg dry	0.995	124	6.06	96	85-115		
Copper	134		mg/kg dry	0.995	124	6.41	103	85-115		
Lead	144		mg/kg dry	1.49	124	18.4	101	85-115		
Reference (1115398-SRM1)					Prepared & Analyzed: 04-Aug-11					
Thallium	142		mg/kg wet	3.00	138		102	81.2-118.8		
Silver	21.2		mg/kg wet	1.50	21.3		100	66.1-133.7		
Nickel	37.2		mg/kg wet	1.00	37.1		100	83.3-116.6		
Selenium	75.9		mg/kg wet	1.50	66.1		115	80.3-119.7		
Aluminum	2700		mg/kg wet	5.00	4370		62	40.8-159.7		
Zinc	154		mg/kg wet	1.00	146		105	82.1-117.9		
Antimony	75.6		mg/kg wet	5.00	55.2		137	9.22-191.5		
Lead	40.5		mg/kg wet	1.50	39.7		102	83.6-116.5		
Copper	59.6		mg/kg wet	1.00	60.9		98	83.7-116.2		
Chromium	61.0		mg/kg wet	1.00	60.9		100	81.7-117.9		
Cadmium	43.7		mg/kg wet	0.500	41.7		105	84-115.9		
Arsenic	60.8		mg/kg wet	1.50	56.7		107	82.94-117.4		
Beryllium	45.7		mg/kg wet	0.500	45.9		99	83.8-115.6		
Batch 1115792 - EPA 200 Series										
Blank (1115792-BLK1)					Prepared: 09-Aug-11 Analyzed: 10-Aug-11					
Arsenic	BRL		mg/kg wet	1.46						
Duplicate (1115792-DUP1)			**Source: SB32755-21**		Prepared: 09-Aug-11 Analyzed: 10-Aug-11					
Arsenic	2.22		mg/kg dry	1.63		2.45			10	20
Matrix Spike (1115792-MS1)			**Source: SB32755-21**		Prepared: 09-Aug-11 Analyzed: 10-Aug-11					
Arsenic	121		mg/kg dry	1.47	122	2.45	97	70-130		
Post Spike (1115792-PS1)			**Source: SB32755-21**		Prepared: 09-Aug-11 Analyzed: 10-Aug-11					
Arsenic	131		mg/kg dry	1.56	130	2.45	99	85-115		
Reference (1115792-SRM1)					Prepared: 09-Aug-11 Analyzed: 10-Aug-11					
Arsenic	57.2		mg/kg wet	1.50	54.6		105	82.94-117.4		
Batch 1116021 - EPA 200 Series										
Blank (1116021-BLK1)					Prepared: 11-Aug-11 Analyzed: 18-Aug-11					
Arsenic	BRL		mg/kg wet	1.30						
Duplicate (1116021-DUP1)			**Source: SB32755-15**		Prepared: 11-Aug-11 Analyzed: 18-Aug-11					
Arsenic	2.58		mg/kg dry	1.85		2.83			9	20
Matrix Spike (1116021-MS1)			**Source: SB32755-15**		Prepared: 11-Aug-11 Analyzed: 18-Aug-11					
Arsenic	152		mg/kg dry	1.90	158	2.83	94	70-130		
Post Spike (1116021-PS1)			**Source: SB32755-15**		Prepared: 11-Aug-11 Analyzed: 18-Aug-11					
Arsenic	142		mg/kg dry	1.75	145	2.83	96	85-115		
Reference (1116021-SRM1)					Prepared: 11-Aug-11 Analyzed: 18-Aug-11					
Arsenic	56.9		mg/kg wet	1.50	55.7		102	82.94-117.4		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115831 - General Preparation										
Duplicate (1115831-DUP1)			**Source: SB32755-13**		Prepared & Analyzed: 09-Aug-11					
% Solids	85.0		%			85.4			0.5	20

Notes and Definitions

GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
R01	The Reporting Limit has been raised to account for matrix interference.
R03	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
VOC8	Reporting limits reflect SW846 5030 extraction technique due to interference and/or QC issues using SW846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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:
Kimberly Wisk
Nicole Leja

SB 32755

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- ☐ 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: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #: (860) 466-8500
Project Mgr. John Zohren

Invoice To: ERM
(same address as left)

P.O. No.: _____ RQN: _____

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): Sarah Seekins, John Patrick Diggins

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= none 11= _____

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

G=Grab C=Composite

List preservative code below: 9 | 7 | 10 | 10 | 10

QA/QC Reporting Notes:
* additional charges may apply

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 L	VOCs 8260 H	TPH 8015 Dro	PP13 +Al	PAHs 8270				State-specific reporting standards:
32755-01	SB-01-0-1-20110802-01	8/2/11	9:15	G	SO	3	2			X	X	X	X					TPH method per J.2.
-02	SB-02-0-1-20110802-01		9:40	G	SO	3				X	X							
-03	SB-02-2-2.5-20110802-01		9:45	G	SO	3				X	X							HOLD
-04	SB-03-0-1-20110802-01		10:00	G	SO	3				X	X							
-05	SB-03-1-2-20110802-01		10:05	G	SO	3				X	X							HOLD
-06	DUP-001-20110802-01		16:00	G	SO	3				X	X							
-07	SB-04-0-1-20110802-01		10:20	G	SO	3				X	X							
-08	SB-04-1-2-20110802-01		10:25	G	SO	3				X	X							HOLD
-09	SB-05-0-1-20110802-01		10:30	G	SO	3	2			X	X	X		X				
-10	SB-06-0-1-20110802-01		10:40	G	SO	3	2			X	X	X		X				

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	T. Bender	8/2/11	1640	3.0
T. Bender	[signature]	8/2/11	19:00	0.8

☐ EDD Format _____
☒ E-mail to john.zohren@erm.com

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

32755

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
- ☐ 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: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #: (860) 466-8500
Project Mgr. _____

Invoice To: ERM
(same address as left)

P.O. No.: _____ RQN: _____

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): Sarah Seekins, John Patrick Diggins

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= None 11= _____

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

G=Grab C=Composite

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

QA/QC Reporting Notes:
* additional charges may apply

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 VT DEP

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 L	VOCs 8260 H	TPH 8015	PP13 + A1	PAHs 8270					State-specific reporting standards:
32755-11	SB-06-1-2-20110802-01	8/2/11	10:45	G	SO	3	2			X	X	X		X					HOLD
12	SB-07-0-1-20110802-01	8/2/11	11:00	G	SO	3	2			X	X	X		X					
13	SB-07-2-3-20110802-01	8/2/11	11:05	G	SO	3	2			X	X	X		X					HOLD
14	SB-08-0-1-20110802-01	8/2/11	11:50	G	SO	3	2			X	X	X		X					
15	SB-08-2-3-20110802-01	8/2/11	11:55	G	SO	3	2			X	X	X		X					HOLD
16	SB-09-0-1-20110802-01		13:45	G	SO	3				X	X								
17	SB-09-2-3-20110802-01		13:50	G	SO	3				X	X								HOLD
18	SB10-0-1-20110802-01		14:10	G	SO	3	1			X	X	X							
19	SB-10-2-3-20110802-01		14:15	G	SO	3	1			X	X	X							HOLD
20	DUP002-20110802-01		12:30	G	SO	3	1			X	X	X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
John Diggins	T. Bender	8/2/11	1640	3.0
T. Bender	Tamyak	8/2/11	19:00	0.8
				0.8

☐ EDD Format _____
☒ E-mail to John.Zebra@erm.com

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

32755

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 3

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

Report To: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #:
Project Mgr.

Invoice To: ERM (same)

P.O. No.: RQN:

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): Sarah Seekins, and John Patrick Diggins

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

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

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

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 VT DEP

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 L	VOCs 8260 H	TPH 8015	PP13+ Al						
32755 21	SB-11-0-1-20110802-01	8/2/11	14:30	G	SO	3	1			X	X	X							
22	SB-11-5-6-20110802-01	8/2/11	14:40	G	SO	3	1			X	X	X							HOLD
23	SB-12-01-20110802-01		15:00	G	SO	3	2			X	X	X	X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	T. Bender	8/2/11	1640	3.0
T. Bender	[signature]	8/2/11	19:00	

☐ EDD Format _____
☒ E-mail to john.zehren@erm.com

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

SB 32755

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 3

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Report To: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #: (860) 466-8500
Project Mgr. John Zehren

Invoice To: ERM
(same address as left)

P.O. No.: _____ RQN: _____

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): Sarah Seekins, John Patrick Diggins

1=Na_2S2O_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= none 11= _____

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

G=Grab C=Composite

List preservative code below: 9 | 7 | 10 | 10 | 10

QA/QC Reporting Notes:
* additional charges may apply

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*
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☐ TIER II* ☐ TIER V*
☐ Other _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260 L	VOCs 8260 H	TPH 8015 Dro	PP13 + Al	PAHs 8270	Total IAS	DRO	PAH	State-specific reporting standards:
32755 -01	SB-01-0-1-20110802-01	8/2/11	9:15	G	SO	3	2			X	X	X	X					TPH method per J.Z.
-02	SB-02-0-1-20110802-01		9:40	G	SO	3				X	X							
-03	SB-02-2-2.5-20110802-01		9:45	G	SO	3				X	X				(X)			HOLD
-04	SB-03-0-1-20110802-01		10:00	G	SO	3				X	X							
-05	SB-03-1-2-20110802-01		10:05	G	SO	3				X	X							HOLD
-06	DUP-001-20110802-01		16:00	G	SO	3				X	X							
-07	SB-04-0-1-20110802-01		10:20	G	SO	3				X	X				(X)			
-08	SB-04-1-2-20110802-01		10:25	G	SO	3				X	X							HOLD
-09	SB-05-0-1-20110802-01		10:30	G	SO	3	2			X	X	X		X				
10	SB-06-0-1-20110802-01		10:40	G	SO	3	2			X	X	X		X				(X) added per client email 8/9/11 DG

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	T. Bender	8/2/11	1640	3.0
T. Bender	[signature]	8/2/11	19:00	0.8

☐ EDD Format _____
☒ E-mail to john.zehren@erm.com

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

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Revised July 2010

6AJ 23A

32755

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Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

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Telephone #: (860) 466-8500
Project Mgr. _____

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Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): Sarah Seekins John Patrick Diggins

1=Na_2S2O_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= None 11= _____

List preservative code below: 9 | 7 | 10 | 10 | 10

DW=Drinking Water GW=Groundwater WW=Wastewater
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X1= _____ X2= _____ X3= _____

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

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*
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☐ TIER II* ☐ TIER V*
☒ Other VT DEP

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260 L	VOCs 8260 H	TPH 8015	PPI3 + Al	PAHs 8270	Total HS	DRO	PAH	State-specific reporting standards:
32755-11	SB-06-1-2-20110802-01	8/2/11	10:45	G	SO	3	2			X	X	X		X	⊗	⊗	⊗	HOLD
12	SB-07-0-1-20110802-01	8/2/11	11:00	G	SO	3	2			X	X	X		X				
13	SB-07-2-3-20110802-01	8/2/11	11:05	G	SO	3	2			X	X	X		X		⊗	⊗	HOLD
14	SB-08-0-1-20110802-01	8/2/11	11:50	G	SO	3	2			X	X	X		X				
15	SB-08-2-3-20110802-01	8/2/11	11:55	G	SO	3	2			X	X	X		X		⊗	⊗	HOLD
16	SB-09-0-1-20110802-01		13:45	G	SO	3				X	X							
17	SB-09-2-3-20110802-01		13:50	G	SO	3				X	X							HOLD
18	SB-10-0-1-20110802-01		14:10	G	SO	3	1			X	X	X						
19	SB-10-2-3-20110802-01		14:15	G	SO	3	1			X	X	X						HOLD
20	DUP002-20110802-01		12:30	G	SO	3	1			X	X	X						⊗ added per client email 8/9/11 DG

Relinquished by:	Received by:	Date:	Time:	Temp°C
John Mizzy	T. Bender	8/2/11	1640	3.0
T. Bender	Tamyak	8/2/11	19:00	0.8
				0.8

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☒ E-mail to john.zehren@erm.com

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

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Revised July 2010

32755

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 3

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Report To: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #:
Project Mgr.

Invoice To: ERM (same)

P.O. No.: RQN:

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): Sarah Seekins, and John Patrick Diggins

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8= $NaHSO_4$ 9= Deionized Water 10= 11=

DW=Drinking Water GW=Groundwater WW=Wastewater
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MA DEP MCP CAM Report: Yes ☐ No ☐
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QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
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☒ Other VT DEP

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 L	VOCs 8260 H	TPH 8015	PP13+ Al	Total MS	DRO	PAH			
32755-21	SB-11-0-1-20110802-01	8/2/11	14:30	G	SO	3	1			X	X	X		X					
22	SB-11-5-6-20110802-01	8/2/11	14:40	G	SO	3	1			X	X	X							
23	SB-12-0-1-20110802-01		15:00	G	SO	3	2			X	X	X	X						

Hold
Added per client email 8/9/11 DG

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	T. Bender	8/2/11	1640	3.0
T. Bender	[signature]	8/2/11	19:00	

☐ EDD Format
☒ E-mail to john.zehren@erm.com

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

SB 32755

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
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Report To: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #: (860) 466-8500
Project Mgr. John Zehren

Invoice To: ERM
(same address as left)

P.O. No.: _____ RQN: _____

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): Sarah Seekins, John Patrick Diggins

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List preservative code below: 9 | 7 | 10 | 10 | 10

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* additional charges may apply

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

QA/QC Reporting Level
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☐ NY ASP A* ☐ NY ASP B*
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☐ Other _____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260 L	VOCs 8260 H	TPH 8015 Dro	PP13 + Al	PAHs 8270	Total IAS	DRO	PAH	State-specific reporting standards:
32755 -01	SB-01-0-1-20110802-01	8/2/11	9:15	G	SO	3	2			X	X	X	X					TPH method per J.Z.
-02	SB-02-0-1-20110802-01		9:40	G	SO	3				X	X							
-03	SB-02-2-2.5-20110802-01		9:45	G	SO	3				X	X				⊗			HOLD
-04	SB-03-0-1-20110802-01		10:00	G	SO	3				X	X							
-05	SB-03-1-2-20110802-01		10:05	G	SO	3				X	X							HOLD
-06	DUP-001-20110802-01		16:00	G	SO	3				X	X							
-07	SB-04-0-1-20110802-01		10:20	G	SO	3				X	X				⊗			cancelled per sample volume 8/10/11 DG
-08	SB-04-1-2-20110802-01		10:25	G	SO	3				X	X							HOLD
-09	SB-05-0-1-20110802-01		10:30	G	SO	3	2			X	X	X		X				
-10	SB-06-0-1-20110802-01		10:40	G	SO	3	2			X	X	X		X				⊗ added per client email 8/9/11 DG

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Revised July 2010

GAU 23A

HRS Reference #108

Page 255 of 546

Report Date:
17-Aug-11 17:10

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB32792-01	SB-13-0-1-20110803-01	Soil	03-Aug-11 11:25	03-Aug-11 17:07
SB32792-02	SB-14-0-1-20110803-01	Soil	03-Aug-11 11:30	03-Aug-11 17:07
SB32792-03	SB-15-0-1-20110803-01	Soil	03-Aug-11 11:35	03-Aug-11 17:07
SB32792-04	SB-16-0-1-20110803-01	Soil	03-Aug-11 11:45	03-Aug-11 17:07
SB32792-05	TB-01-20110803-01	Soil	03-Aug-11 00:00	03-Aug-11 17:07
SB32792-06	SB-17-5-6-20110803-01	Soil	03-Aug-11 14:00	03-Aug-11 17:07

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 35 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 received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.0 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.

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.

This method is designed for use on samples containing low levels of VOCs, ranging 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be reported at concentrations over 200 ug/Kg if rerunning the sample from the methanol preserved vial via method SW846 5030 would result in the concentration being non-reportable. This would be due to the difference in final reporting limits between the two methods.

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

SW846 8260C

Calibration:

1107002

Analyte quantified by quadratic equation type calibration.

Naphthalene
trans-1,4-Dichloro-2-butene

This affected the following samples:

1115504-BLK1
1115504-BS1
1115504-BSD1
S105925-ICV1
S106873-CCV1
SB-13-0-1-20110803-01
SB-14-0-1-20110803-01
SB-15-0-1-20110803-01
SB-16-0-1-20110803-01
SB-17-5-6-20110803-01
TB-01-20110803-01

Samples:

S106842-CCV1

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

Acetone (22.5%)
Benzene (-26.1%)

This affected the following samples:

1115420-BLK1
1115420-BS1
1115420-BSD1

S106873-CCV1

SW846 8260C

Samples:

S106873-CCV1

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

2,2-Dichloropropane (-23.9%)
Carbon disulfide (-26.4%)
Carbon tetrachloride (-27.2%)
Chloromethane (-21.0%)
Dichlorodifluoromethane (Freon12) (-29.1%)
Ethanol (-29.8%)
Tert-Butanol / butyl alcohol (-35.9%)
Trichlorofluoromethane (Freon 11) (-31.6%)

This affected the following samples:

1115504-BLK1
1115504-BS1
1115504-BSD1
SB-13-0-1-20110803-01
SB-14-0-1-20110803-01
SB-15-0-1-20110803-01
SB-16-0-1-20110803-01
SB-17-5-6-20110803-01
TB-01-20110803-01

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-13-0-1-20110803-01	0140857	Soil	03-Aug-11 11:25	03-Aug-11
SB32792-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	04-Aug-11	04-Aug-11	JLH	1115443	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.3 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.5	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-13-0-1-20110803-01	0140857	Soil	03-Aug-11 11:25	03-Aug-11
SB32792-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.3 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.5	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	110	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.6	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2210	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*85*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	191	1	SW846 8270D	05-Aug-11	07-Aug-11	MSL	1115502	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	191	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-13-0-1-20110803-01	0140857	Soil	03-Aug-11 11:25	03-Aug-11
SB32792-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	191	1	SW846 8270D	05-Aug-11	07-Aug-11	MSL	1115502	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	191	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	191	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*54*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*54*			*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	22.9	1	SW846 8082A	10-Aug-11	10-Aug-11	IMR	1115860	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	4.24		mg/kg dry	1.73	1	EPA 200.7	09-Aug-11	10-Aug-11	ALT/A	1115792	
General Chemistry Parameters												
	% Solids	85.2		%		1	SM2540 G Mod.	04-Aug-11	04-Aug-11	DT	1115427	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-14-0-1-20110803-01	0140857	Soil	03-Aug-11 11:30	03-Aug-11
SB32792-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	04-Aug-11	04-Aug-11	JLH	1115443	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.08 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.4	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-14-0-1-20110803-01	0140857	Soil	03-Aug-11 11:30	03-Aug-11
SB32792-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.08 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.4	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.9	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	109	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.2	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2180	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*89*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	186	1	SW846 8270D	05-Aug-11	07-Aug-11	MSL	1115502	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	186	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-14-0-1-20110803-01	0140857	Soil	03-Aug-11 11:30	03-Aug-11
SB32792-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	186	1	SW846 8270D	05-Aug-11	07-Aug-11	MSL	1115502	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	186	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	186	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*66*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*65*			*30-130 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	87.3		%		1	SM2540 G Mod.	04-Aug-11	04-Aug-11	DT	1115428	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-15-0-1-20110803-01	0140857	Soil	03-Aug-11 11:35	03-Aug-11
SB32792-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	04-Aug-11	04-Aug-11	JLH	1115443	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.49 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.2	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg dry	51.7	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	51.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	51.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-15-0-1-20110803-01	0140857	Soil	03-Aug-11 11:35	03-Aug-11
SB32792-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 6.49 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.2	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	51.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.2	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	51.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	103	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.9	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2070	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*86*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	187	1	SW846 8270D	05-Aug-11	07-Aug-11	MSL	1115502	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	187	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-15-0-1-20110803-01	0140857	Soil	03-Aug-11 11:35	03-Aug-11
SB32792-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	187	1	SW846 8270D	05-Aug-11	07-Aug-11	MSL	1115502	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	187	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	187	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*69*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68*			*30-130 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	87.0		%		1	SM2540 G Mod.	04-Aug-11	04-Aug-11	DT	1115428	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16-0-1-20110803-01	0140857	Soil	03-Aug-11 11:45	03-Aug-11
SB32792-04				

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	04-Aug-11	04-Aug-11	JLH	1115443	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.67 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	6.1	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16-0-1-20110803-01	0140857	Soil	03-Aug-11 11:45	03-Aug-11
SB32792-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.67 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	6.1	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	12.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	6.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	12.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	6.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	123	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	30.7	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2460	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	194	1	SW846 8270D	05-Aug-11	07-Aug-11	MSL	1115502	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	194	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16-0-1-20110803-01	0140857	Soil	03-Aug-11 11:45	03-Aug-11
SB32792-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	194	1	SW846 8270D	05-Aug-11	07-Aug-11	MSL	1115502	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	194	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	194	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*56*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*58*			*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	22.1	1	SW846 8082A	10-Aug-11	10-Aug-11	IMR	1115860	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	77.3		µg/kg dry	22.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*		"	"	"	"	"	
Total Metals by EPA 200 Series Methods												
7440-38-2	Arsenic	2.87		mg/kg dry	1.73	1	EPA 200.7	09-Aug-11	10-Aug-11	ALT/A	1115792	
General Chemistry Parameters												
	% Solids	84.4		%		1	SM2540 G Mod.	04-Aug-11	04-Aug-11	DT	1115428	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-01-20110803-01	0140857	Soil	03-Aug-11 00:00	03-Aug-11
SB32792-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	04-Aug-11	04-Aug-11	JLH	1115443	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	5.0	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-01-20110803-01	0140857	Soil	03-Aug-11 00:00	03-Aug-11
SB32792-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5 g							
98-82-8	Isopropylbenzene	BRL		µg/kg wet	5.0	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	5.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	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	"	"	"	"	"	X
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	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg wet	2000	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17-5-6-20110803-01	0140857	Soil	03-Aug-11 14:00	03-Aug-11
SB32792-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	04-Aug-11	04-Aug-11	JLH	1115443	
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.98 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	3.1	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
67-64-1	Acetone	64.0		µg/kg wet	31.3	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg wet	6.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg wet	31.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg wet	6.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg wet	6.3	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg wet	6.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	6.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	6.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg wet	31.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17-5-6-20110803-01	0140857	Soil	03-Aug-11 14:00	03-Aug-11
SB32792-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 7.98 g							
98-82-8	Isopropylbenzene	BRL		µg/kg wet	3.1	1	SW846 8260C	04-Aug-11	05-Aug-11	JRO	1115504	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	31.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg wet	6.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg wet	6.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg wet	3.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg wet	6.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg wet	3.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg wet	3.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg wet	3.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg wet	3.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg wet	31.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg wet	62.7	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	15.7	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg wet	1250	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*		"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
Blank (1115420-BLK1)					Prepared & Analyzed: 04-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	1.0						
Acetone	BRL		µg/kg wet	10.0						
Acrylonitrile	BRL		µg/kg wet	1.0						
Benzene	BRL		µg/kg wet	1.0						
Bromobenzene	BRL		µg/kg wet	1.0						
Bromochloromethane	BRL		µg/kg wet	1.0						
Bromodichloromethane	BRL		µg/kg wet	1.0						
Bromoform	BRL		µg/kg wet	1.0						
Bromomethane	BRL		µg/kg wet	2.0						
2-Butanone (MEK)	BRL		µg/kg wet	10.0						
n-Butylbenzene	BRL		µg/kg wet	1.0						
sec-Butylbenzene	BRL		µg/kg wet	1.0						
tert-Butylbenzene	BRL		µg/kg wet	1.0						
Carbon disulfide	BRL		µg/kg wet	2.0						
Carbon tetrachloride	BRL		µg/kg wet	1.0						
Chlorobenzene	BRL		µg/kg wet	1.0						
Chloroethane	BRL		µg/kg wet	2.0						
Chloroform	BRL		µg/kg wet	1.0						
Chloromethane	BRL		µg/kg wet	2.0						
2-Chlorotoluene	BRL		µg/kg wet	1.0						
4-Chlorotoluene	BRL		µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	2.0						
Dibromochloromethane	BRL		µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	1.0						
Dibromomethane	BRL		µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	2.0						
1,1-Dichloroethane	BRL		µg/kg wet	1.0						
1,2-Dichloroethane	BRL		µg/kg wet	1.0						
1,1-Dichloroethene	BRL		µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	1.0						
1,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,3-Dichloropropane	BRL		µg/kg wet	1.0						
2,2-Dichloropropane	BRL		µg/kg wet	1.0						
1,1-Dichloropropene	BRL		µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	1.0						
Ethylbenzene	BRL		µg/kg wet	1.0						
Hexachlorobutadiene	BRL		µg/kg wet	1.0						
2-Hexanone (MBK)	BRL		µg/kg wet	10.0						
Isopropylbenzene	BRL		µg/kg wet	1.0						
4-Isopropyltoluene	BRL		µg/kg wet	1.0						
Methyl tert-butyl ether	BRL		µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	10.0						
Methylene chloride	BRL		µg/kg wet	2.0						
Naphthalene	BRL		µg/kg wet	1.0						
n-Propylbenzene	BRL		µg/kg wet	1.0						
Styrene	BRL		µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
Blank (1115420-BLK1)					Prepared & Analyzed: 04-Aug-11					
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	1.0						
Tetrachloroethene	BRL		µg/kg wet	1.0						
Toluene	BRL		µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	1.0						
Trichloroethene	BRL		µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	1.0						
Vinyl chloride	BRL		µg/kg wet	1.0						
m,p-Xylene	BRL		µg/kg wet	2.0						
o-Xylene	BRL		µg/kg wet	1.0						
Tetrahydrofuran	BRL		µg/kg wet	2.0						
Ethyl ether	BRL		µg/kg wet	1.0						
Tert-amyl methyl ether	BRL		µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	1.0						
Di-isopropyl ether	BRL		µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	10.0						
1,4-Dioxane	BRL		µg/kg wet	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	5.0						
Ethanol	BRL		µg/kg wet	400						
Surrogate: 4-Bromofluorobenzene	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*36.3*		µg/kg wet		*30.0*		*121*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*37.7*		µg/kg wet		*30.0*		*126*	*70-130*		
Surrogate: Dibromofluoromethane	*38.4*		µg/kg wet		*30.0*		*128*	*70-130*		
LCS (1115420-BS1)					Prepared & Analyzed: 04-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.9		µg/kg wet		20.0		100	70-130		
Acetone	24.5		µg/kg wet		20.0		122	70-130		
Acrylonitrile	23.2		µg/kg wet		20.0		116	70-130		
Benzene	14.8		µg/kg wet		20.0		74	70-130		
Bromobenzene	19.2		µg/kg wet		20.0		96	70-130		
Bromochloromethane	19.9		µg/kg wet		20.0		99	70-130		
Bromodichloromethane	19.1		µg/kg wet		20.0		96	70-130		
Bromoform	20.1		µg/kg wet		20.0		100	70-130		
Bromomethane	18.3		µg/kg wet		20.0		91	70-130		
2-Butanone (MEK)	21.3		µg/kg wet		20.0		107	70-130		
n-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130		
sec-Butylbenzene	19.7		µg/kg wet		20.0		98	70-130		
tert-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Carbon disulfide	18.7		µg/kg wet		20.0		94	70-130		
Carbon tetrachloride	18.1		µg/kg wet		20.0		91	70-130		
Chlorobenzene	19.1		µg/kg wet		20.0		96	70-130		
Chloroethane	21.0		µg/kg wet		20.0		105	70-130		
Chloroform	19.8		µg/kg wet		20.0		99	70-130		
Chloromethane	20.6		µg/kg wet		20.0		103	70-130		
2-Chlorotoluene	18.9		µg/kg wet		20.0		95	70-130		
4-Chlorotoluene	18.7		µg/kg wet		20.0		93	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
LCS (1115420-BS1)					Prepared & Analyzed: 04-Aug-11					
1,2-Dibromo-3-chloropropane	22.7		µg/kg wet		20.0		114	70-130		
Dibromochloromethane	16.3		µg/kg wet		20.0		82	70-130		
1,2-Dibromoethane (EDB)	20.5		µg/kg wet		20.0		102	70-130		
Dibromomethane	19.3		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	21.9		µg/kg wet		20.0		109	70-130		
1,1-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
cis-1,2-Dichloroethene	20.1		µg/kg wet		20.0		100	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	18.7		µg/kg wet		20.0		93	70-130		
1,3-Dichloropropane	19.8		µg/kg wet		20.0		99	70-130		
2,2-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloropropene	17.2		µg/kg wet		20.0		86	70-130		
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
trans-1,3-Dichloropropene	20.5		µg/kg wet		20.0		103	70-130		
Ethylbenzene	19.3		µg/kg wet		20.0		96	70-130		
Hexachlorobutadiene	16.8		µg/kg wet		20.0		84	70-130		
2-Hexanone (MBK)	21.6		µg/kg wet		20.0		108	70-130		
Isopropylbenzene	19.6		µg/kg wet		20.0		98	70-130		
4-Isopropyltoluene	19.2		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	22.2		µg/kg wet		20.0		111	70-130		
Methylene chloride	20.4		µg/kg wet		20.0		102	70-130		
Naphthalene	22.0		µg/kg wet		20.0		110	70-130		
n-Propylbenzene	19.6		µg/kg wet		20.0		98	70-130		
Styrene	20.2		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	19.8		µg/kg wet		20.0		99	70-130		
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130		
Tetrachloroethene	19.0		µg/kg wet		20.0		95	70-130		
Toluene	18.5		µg/kg wet		20.0		92	70-130		
1,2,3-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,2,4-Trichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3,5-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130		
1,1,1-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	20.1		µg/kg wet		20.0		100	70-130		
Trichloroethene	18.5		µg/kg wet		20.0		93	70-130		
Trichlorofluoromethane (Freon 11)	20.8		µg/kg wet		20.0		104	70-130		
1,2,3-Trichloropropane	20.2		µg/kg wet		20.0		101	70-130		
1,2,4-Trimethylbenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		96	70-130		
Vinyl chloride	19.5		µg/kg wet		20.0		98	70-130		
m,p-Xylene	38.6		µg/kg wet		40.0		96	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	23.6		µg/kg wet		20.0		118	70-130		
Ethyl ether	21.5		µg/kg wet		20.0		108	70-130		
Tert-amyl methyl ether	20.2		µg/kg wet		20.0		101	70-130		
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	21.3		µg/kg wet		20.0		107	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
LCS (1115420-BS1)						Prepared & Analyzed: 04-Aug-11				
Tert-Butanol / butyl alcohol	217		µg/kg wet		200		108	70-130		
1,4-Dioxane	203		µg/kg wet		200		102	70-130		
trans-1,4-Dichloro-2-butene	20.1		µg/kg wet		20.0		100	70-130		
Ethanol	448		µg/kg wet		400		112	70-130		
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*31.1*		µg/kg wet		*30.0*		*104*	*70-130*		
LCS Dup (1115420-BSD1)						Prepared & Analyzed: 04-Aug-11				
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0		µg/kg wet		20.0		100	70-130	0.6	25
Acetone	26.7		µg/kg wet		20.0		133	70-130	9	50
Acrylonitrile	21.6		µg/kg wet		20.0		108	70-130	7	25
Benzene	14.6		µg/kg wet		20.0		73	70-130	1	25
Bromobenzene	19.3		µg/kg wet		20.0		97	70-130	0.7	25
Bromochloromethane	19.7		µg/kg wet		20.0		99	70-130	0.8	25
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130	2	25
Bromoform	19.8		µg/kg wet		20.0		99	70-130	2	25
Bromomethane	17.5		µg/kg wet		20.0		88	70-130	4	50
2-Butanone (MEK)	22.2		µg/kg wet		20.0		111	70-130	4	50
n-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130	0.3	25
sec-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	3	25
tert-Butylbenzene	20.3		µg/kg wet		20.0		102	70-130	5	25
Carbon disulfide	18.8		µg/kg wet		20.0		94	70-130	0.4	25
Carbon tetrachloride	18.0		µg/kg wet		20.0		90	70-130	0.3	25
Chlorobenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
Chloroethane	21.0		µg/kg wet		20.0		105	70-130	0.1	50
Chloroform	19.5		µg/kg wet		20.0		97	70-130	2	25
Chloromethane	20.9		µg/kg wet		20.0		105	70-130	1	25
2-Chlorotoluene	19.5		µg/kg wet		20.0		97	70-130	3	25
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130	4	25
1,2-Dibromo-3-chloropropane	20.6		µg/kg wet		20.0		103	70-130	10	25
Dibromochloromethane	16.0		µg/kg wet		20.0		80	70-130	2	50
1,2-Dibromoethane (EDB)	20.0		µg/kg wet		20.0		100	70-130	2	25
Dibromomethane	19.5		µg/kg wet		20.0		98	70-130	1	25
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130	0.2	25
1,3-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	0.1	25
Dichlorodifluoromethane (Freon12)	21.0		µg/kg wet		20.0		105	70-130	4	50
1,1-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130	0.1	25
1,2-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130	0.6	25
1,1-Dichloroethene	19.3		µg/kg wet		20.0		96	70-130	3	25
cis-1,2-Dichloroethene	20.5		µg/kg wet		20.0		102	70-130	2	25
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130	0.9	25
1,2-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	0.7	25
1,3-Dichloropropane	19.1		µg/kg wet		20.0		96	70-130	3	25
2,2-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130	3	25
1,1-Dichloropropene	16.9		µg/kg wet		20.0		84	70-130	2	25
cis-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130	4	25
trans-1,3-Dichloropropene	19.5		µg/kg wet		20.0		98	70-130	5	25
Ethylbenzene	19.9		µg/kg wet		20.0		99	70-130	3	25
Hexachlorobutadiene	16.6		µg/kg wet		20.0		83	70-130	1	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115420 - SW846 5030 Soil (high level)										
LCS Dup (1115420-BSD1)					Prepared & Analyzed: 04-Aug-11					
2-Hexanone (MBK)	20.0		µg/kg wet		20.0		100	70-130	8	25
Isopropylbenzene	19.8		µg/kg wet		20.0		99	70-130	1	25
4-Isopropyltoluene	19.4		µg/kg wet		20.0		97	70-130	1	25
Methyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130	3	25
4-Methyl-2-pentanone (MIBK)	20.5		µg/kg wet		20.0		102	70-130	8	50
Methylene chloride	20.1		µg/kg wet		20.0		100	70-130	2	25
Naphthalene	21.8		µg/kg wet		20.0		109	70-130	1	25
n-Propylbenzene	19.8		µg/kg wet		20.0		99	70-130	1	25
Styrene	20.4		µg/kg wet		20.0		102	70-130	1	25
1,1,1,2-Tetrachloroethane	20.0		µg/kg wet		20.0		100	70-130	1	25
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	4	25
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130	0.7	25
Toluene	18.4		µg/kg wet		20.0		92	70-130	0.1	25
1,2,3-Trichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	0.9	25
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130	3	25
1,3,5-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130	0.9	25
1,1,1-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130	0.8	25
1,1,2-Trichloroethane	19.3		µg/kg wet		20.0		96	70-130	4	25
Trichloroethene	18.2		µg/kg wet		20.0		91	70-130	2	25
Trichlorofluoromethane (Freon 11)	20.3		µg/kg wet		20.0		101	70-130	2	50
1,2,3-Trichloropropane	20.1		µg/kg wet		20.0		101	70-130	0.3	25
1,2,4-Trimethylbenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
1,3,5-Trimethylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
Vinyl chloride	19.7		µg/kg wet		20.0		98	70-130	1	25
m,p-Xylene	39.6		µg/kg wet		40.0		99	70-130	3	25
o-Xylene	19.6		µg/kg wet		20.0		98	70-130	2	25
Tetrahydrofuran	21.6		µg/kg wet		20.0		108	70-130	9	25
Ethyl ether	20.7		µg/kg wet		20.0		103	70-130	4	50
Tert-amyl methyl ether	19.4		µg/kg wet		20.0		97	70-130	4	25
Ethyl tert-butyl ether	18.9		µg/kg wet		20.0		94	70-130	4	25
Di-isopropyl ether	21.0		µg/kg wet		20.0		105	70-130	2	25
Tert-Butanol / butyl alcohol	210		µg/kg wet		200		105	70-130	3	25
1,4-Dioxane	198		µg/kg wet		200		99	70-130	2	25
trans-1,4-Dichloro-2-butene	19.8		µg/kg wet		20.0		99	70-130	1	25
Ethanol	409		µg/kg wet		400		102	70-130	9	30
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Batch 1115504 - SW846 5035A Soil (low level)										
Blank (1115504-BLK1)					Prepared & Analyzed: 05-Aug-11					
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
Blank (1115504-BLK1)					Prepared & Analyzed: 05-Aug-11					
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
Blank (1115504-BLK1)					Prepared & Analyzed: 05-Aug-11					
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.4*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*44.0*		µg/kg wet		*50.0*		*88*	*70-130*		
LCS (1115504-BS1)					Prepared & Analyzed: 05-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/kg wet		20.0		98	70-130		
Acetone	24.2		µg/kg wet		20.0		121	70-130		
Acrylonitrile	20.4		µg/kg wet		20.0		102	70-130		
Benzene	22.1		µg/kg wet		20.0		111	70-130		
Bromobenzene	21.7		µg/kg wet		20.0		109	70-130		
Bromochloromethane	21.6		µg/kg wet		20.0		108	70-130		
Bromodichloromethane	17.7		µg/kg wet		20.0		89	70-130		
Bromoform	17.6		µg/kg wet		20.0		88	70-130		
Bromomethane	21.0		µg/kg wet		20.0		105	70-130		
2-Butanone (MEK)	21.9		µg/kg wet		20.0		110	70-130		
n-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
sec-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130		
tert-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130		
Carbon disulfide	17.7		µg/kg wet		20.0		89	70-130		
Carbon tetrachloride	16.4		µg/kg wet		20.0		82	70-130		
Chlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
Chloroethane	19.3		µg/kg wet		20.0		97	70-130		
Chloroform	18.1		µg/kg wet		20.0		90	70-130		
Chloromethane	17.8		µg/kg wet		20.0		89	70-130		
2-Chlorotoluene	22.0		µg/kg wet		20.0		110	70-130		
4-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130		
1,2-Dibromo-3-chloropropane	19.6		µg/kg wet		20.0		98	70-130		
Dibromochloromethane	18.0		µg/kg wet		20.0		90	70-130		
1,2-Dibromoethane (EDB)	20.9		µg/kg wet		20.0		105	70-130		
Dibromomethane	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	22.6		µg/kg wet		20.0		113	70-130		
1,3-Dichlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
1,4-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
Dichlorodifluoromethane (Freon12)	17.5		µg/kg wet		20.0		88	70-130		
1,1-Dichloroethane	19.1		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	17.7		µg/kg wet		20.0		89	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
LCS (1115504-BS1)					Prepared & Analyzed: 05-Aug-11					
1,1-Dichloroethene	20.9		µg/kg wet		20.0		105	70-130		
cis-1,2-Dichloroethene	21.3		µg/kg wet		20.0		107	70-130		
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130		
1,2-Dichloropropane	21.3		µg/kg wet		20.0		106	70-130		
1,3-Dichloropropane	20.9		µg/kg wet		20.0		104	70-130		
2,2-Dichloropropane	16.4		µg/kg wet		20.0		82	70-130		
1,1-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130		
trans-1,3-Dichloropropene	17.1		µg/kg wet		20.0		86	70-130		
Ethylbenzene	22.8		µg/kg wet		20.0		114	70-130		
Hexachlorobutadiene	20.3		µg/kg wet		20.0		101	70-130		
2-Hexanone (MBK)	19.2		µg/kg wet		20.0		96	70-130		
Isopropylbenzene	22.4		µg/kg wet		20.0		112	70-130		
4-Isopropyltoluene	22.3		µg/kg wet		20.0		112	70-130		
Methyl tert-butyl ether	20.4		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	24.0		µg/kg wet		20.0		120	70-130		
Methylene chloride	21.4		µg/kg wet		20.0		107	70-130		
Naphthalene	23.2		µg/kg wet		20.0		116	70-130		
n-Propylbenzene	23.0		µg/kg wet		20.0		115	70-130		
Styrene	23.4		µg/kg wet		20.0		117	70-130		
1,1,1,2-Tetrachloroethane	18.9		µg/kg wet		20.0		94	70-130		
1,1,2,2-Tetrachloroethane	23.2		µg/kg wet		20.0		116	70-130		
Tetrachloroethene	19.5		µg/kg wet		20.0		98	70-130		
Toluene	21.0		µg/kg wet		20.0		105	70-130		
1,2,3-Trichlorobenzene	21.3		µg/kg wet		20.0		106	70-130		
1,2,4-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,3,5-Trichlorobenzene	23.2		µg/kg wet		20.0		116	70-130		
1,1,1-Trichloroethane	17.5		µg/kg wet		20.0		88	70-130		
1,1,2-Trichloroethane	21.1		µg/kg wet		20.0		105	70-130		
Trichloroethene	20.1		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	17.7		µg/kg wet		20.0		88	70-130		
1,2,3-Trichloropropane	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trimethylbenzene	23.1		µg/kg wet		20.0		115	70-130		
1,3,5-Trimethylbenzene	22.5		µg/kg wet		20.0		113	70-130		
Vinyl chloride	19.7		µg/kg wet		20.0		99	70-130		
m,p-Xylene	46.8		µg/kg wet		40.0		117	70-130		
o-Xylene	23.4		µg/kg wet		20.0		117	70-130		
Tetrahydrofuran	19.4		µg/kg wet		20.0		97	70-130		
Ethyl ether	23.2		µg/kg wet		20.0		116	70-130		
Tert-amyl methyl ether	18.8		µg/kg wet		20.0		94	70-130		
Ethyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	20.1		µg/kg wet		20.0		100	70-130		
Tert-Butanol / butyl alcohol	163		µg/kg wet		200		81	70-130		
1,4-Dioxane	231		µg/kg wet		200		115	70-130		
trans-1,4-Dichloro-2-butene	16.4		µg/kg wet		20.0		82	70-130		
Ethanol	358		µg/kg wet		400		90	70-130		
Surrogate: 4-Bromofluorobenzene	*50.5*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*42.0*		µg/kg wet		*50.0*		*84*	*70-130*		
Surrogate: Dibromofluoromethane	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
LCS Dup (1115504-BSD1)					Prepared & Analyzed: 05-Aug-11					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
LCS Dup (1115504-BSD1)					Prepared & Analyzed: 05-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.0		µg/kg wet		20.0		95	70-130	3	25
Acetone	22.3		µg/kg wet		20.0		111	70-130	8	50
Acrylonitrile	18.8		µg/kg wet		20.0		94	70-130	8	25
Benzene	21.4		µg/kg wet		20.0		107	70-130	4	25
Bromobenzene	20.9		µg/kg wet		20.0		105	70-130	4	25
Bromochloromethane	20.9		µg/kg wet		20.0		104	70-130	4	25
Bromodichloromethane	17.4		µg/kg wet		20.0		87	70-130	2	25
Bromoform	16.8		µg/kg wet		20.0		84	70-130	4	25
Bromomethane	19.9		µg/kg wet		20.0		99	70-130	5	50
2-Butanone (MEK)	18.9		µg/kg wet		20.0		95	70-130	15	50
n-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130	4	25
sec-Butylbenzene	21.7		µg/kg wet		20.0		109	70-130	5	25
tert-Butylbenzene	21.5		µg/kg wet		20.0		108	70-130	4	25
Carbon disulfide	18.4		µg/kg wet		20.0		92	70-130	4	25
Carbon tetrachloride	16.0		µg/kg wet		20.0		80	70-130	2	25
Chlorobenzene	20.9		µg/kg wet		20.0		104	70-130	5	25
Chloroethane	18.5		µg/kg wet		20.0		92	70-130	4	50
Chloroform	17.8		µg/kg wet		20.0		89	70-130	2	25
Chloromethane	16.9		µg/kg wet		20.0		84	70-130	5	25
2-Chlorotoluene	21.1		µg/kg wet		20.0		105	70-130	4	25
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	5	25
1,2-Dibromo-3-chloropropane	17.2		µg/kg wet		20.0		86	70-130	13	25
Dibromochloromethane	17.3		µg/kg wet		20.0		87	70-130	4	50
1,2-Dibromoethane (EDB)	20.4		µg/kg wet		20.0		102	70-130	2	25
Dibromomethane	19.0		µg/kg wet		20.0		95	70-130	2	25
1,2-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130	4	25
1,3-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	7	25
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	7	25
Dichlorodifluoromethane (Freon12)	17.7		µg/kg wet		20.0		89	70-130	1	50
1,1-Dichloroethane	18.7		µg/kg wet		20.0		93	70-130	2	25
1,2-Dichloroethane	17.1		µg/kg wet		20.0		85	70-130	4	25
1,1-Dichloroethene	19.9		µg/kg wet		20.0		99	70-130	5	25
cis-1,2-Dichloroethene	20.7		µg/kg wet		20.0		104	70-130	3	25
trans-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	4	25
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	6	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	5	25
2,2-Dichloropropane	15.8		µg/kg wet		20.0		79	70-130	4	25
1,1-Dichloropropene	19.9		µg/kg wet		20.0		99	70-130	3	25
cis-1,3-Dichloropropene	18.3		µg/kg wet		20.0		91	70-130	6	25
trans-1,3-Dichloropropene	17.0		µg/kg wet		20.0		85	70-130	0.9	25
Ethylbenzene	21.6		µg/kg wet		20.0		108	70-130	6	25
Hexachlorobutadiene	19.2		µg/kg wet		20.0		96	70-130	6	50
2-Hexanone (MBK)	16.9		µg/kg wet		20.0		84	70-130	13	25
Isopropylbenzene	21.0		µg/kg wet		20.0		105	70-130	6	25
4-Isopropyltoluene	21.5		µg/kg wet		20.0		108	70-130	4	25
Methyl tert-butyl ether	19.9		µg/kg wet		20.0		99	70-130	3	25
4-Methyl-2-pentanone (MIBK)	22.1		µg/kg wet		20.0		110	70-130	8	50
Methylene chloride	20.4		µg/kg wet		20.0		102	70-130	4	25
Naphthalene	21.1		µg/kg wet		20.0		106	70-130	9	25
n-Propylbenzene	21.8		µg/kg wet		20.0		109	70-130	5	25
Styrene	22.6		µg/kg wet		20.0		113	70-130	4	25
1,1,1,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130	0.7	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115504 - SW846 5035A Soil (low level)										
LCS Dup (1115504-BSD1)					Prepared & Analyzed: 05-Aug-11					
1,1,2,2-Tetrachloroethane	21.3		µg/kg wet		20.0		106	70-130	8	25
Tetrachloroethene	19.4		µg/kg wet		20.0		97	70-130	0.5	25
Toluene	20.5		µg/kg wet		20.0		103	70-130	3	25
1,2,3-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	8	25
1,2,4-Trichlorobenzene	18.5		µg/kg wet		20.0		93	70-130	7	25
1,3,5-Trichlorobenzene	21.7		µg/kg wet		20.0		109	70-130	6	25
1,1,1-Trichloroethane	17.1		µg/kg wet		20.0		86	70-130	2	25
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
Trichloroethene	19.2		µg/kg wet		20.0		96	70-130	5	25
Trichlorofluoromethane (Freon 11)	17.4		µg/kg wet		20.0		87	70-130	1	50
1,2,3-Trichloropropane	21.0		µg/kg wet		20.0		105	70-130	4	25
1,2,4-Trimethylbenzene	22.0		µg/kg wet		20.0		110	70-130	5	25
1,3,5-Trimethylbenzene	21.7		µg/kg wet		20.0		108	70-130	4	25
Vinyl chloride	18.8		µg/kg wet		20.0		94	70-130	5	25
m,p-Xylene	44.6		µg/kg wet		40.0		112	70-130	5	25
o-Xylene	22.0		µg/kg wet		20.0		110	70-130	6	25
Tetrahydrofuran	19.1		µg/kg wet		20.0		96	70-130	1	25
Ethyl ether	21.2		µg/kg wet		20.0		106	70-130	9	50
Tert-amyl methyl ether	17.8		µg/kg wet		20.0		89	70-130	5	25
Ethyl tert-butyl ether	19.5		µg/kg wet		20.0		98	70-130	3	25
Di-isopropyl ether	19.4		µg/kg wet		20.0		97	70-130	4	25
Tert-Butanol / butyl alcohol	157		µg/kg wet		200		78	70-130	4	25
1,4-Dioxane	223		µg/kg wet		200		111	70-130	4	25
trans-1,4-Dichloro-2-butene	15.2		µg/kg wet		20.0		76	70-130	8	25
Ethanol	345		µg/kg wet		400		86	70-130	4	30
Surrogate: 4-Bromofluorobenzene	*49.5*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*42.0*		µg/kg wet		*50.0*		*84*	*70-130*		
Surrogate: Dibromofluoromethane	*46.8*		µg/kg wet		*50.0*		*94*	*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 1115502 - SW846 3545A										
Blank (1115502-BLK1)					Prepared: 05-Aug-11 Analyzed: 07-Aug-11					
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	*1260*		µg/kg wet		*1670*		*76*	*30-130*		
Surrogate: Terphenyl-dl4	*1280*		µg/kg wet		*1670*		*77*	*30-130*		
LCS (1115502-BS1)					Prepared: 05-Aug-11 Analyzed: 07-Aug-11					
Acenaphthene	1130		µg/kg wet	165	1670		68	40-140		
Acenaphthylene	1150		µg/kg wet	165	1670		69	40-140		
Anthracene	1140		µg/kg wet	165	1670		68	40-140		
Benzo (a) anthracene	1200		µg/kg wet	165	1670		72	40-140		
Benzo (a) pyrene	1200		µg/kg wet	165	1670		72	40-140		
Benzo (b) fluoranthene	978		µg/kg wet	165	1670		59	40-140		
Benzo (g,h,i) perylene	1190		µg/kg wet	165	1670		71	40-140		
Benzo (k) fluoranthene	1470		µg/kg wet	165	1670		88	40-140		
Chrysene	1170		µg/kg wet	165	1670		70	40-140		
Dibenzo (a,h) anthracene	1240		µg/kg wet	165	1670		74	40-140		
Fluoranthene	1080		µg/kg wet	165	1670		65	40-140		
Fluorene	1140		µg/kg wet	165	1670		68	40-140		
Indeno (1,2,3-cd) pyrene	1090		µg/kg wet	165	1670		65	40-140		
1-Methylnaphthalene	1200		µg/kg wet	165	1670		72	40-140		
2-Methylnaphthalene	1120		µg/kg wet	165	1670		67	40-140		
Naphthalene	1040		µg/kg wet	165	1670		62	40-140		
Phenanthrene	1060		µg/kg wet	165	1670		64	40-140		
Pyrene	1110		µg/kg wet	165	1670		66	40-140		
Surrogate: 2-Fluorobiphenyl	*1360*		µg/kg wet		*1670*		*81*	*30-130*		
Surrogate: Terphenyl-dl4	*1220*		µg/kg wet		*1670*		*73*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115860 - SW846 3545A										
Blank (1115860-BLK1)						Prepared & Analyzed: 10-Aug-11				
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)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.0*		µg/kg wet		*20.0*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
LCS (1115860-BS1)						Prepared & Analyzed: 10-Aug-11				
Aroclor-1016	245		µg/kg wet	20.0	250		98	50-140		
Aroclor-1016 [2C]	261		µg/kg wet	20.0	250		104	50-140		
Aroclor-1260	233		µg/kg wet	20.0	250		93	50-140		
Aroclor-1260 [2C]	273		µg/kg wet	20.0	250		109	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1115860-BSD1)						Prepared & Analyzed: 10-Aug-11				
Aroclor-1016	257		µg/kg wet	20.0	250		103	50-140	5	30
Aroclor-1016 [2C]	237		µg/kg wet	20.0	250		95	50-140	10	30
Aroclor-1260	246		µg/kg wet	20.0	250		98	50-140	5	30
Aroclor-1260 [2C]	249		µg/kg wet	20.0	250		100	50-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Duplicate (1115860-DUP1)			**Source: SB32792-01**			Prepared & Analyzed: 10-Aug-11				
Aroclor-1016	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1221	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1232	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1242	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1248	BRL		µg/kg dry	22.8		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115860 - SW846 3545A										
Duplicate (1115860-DUP1)			**Source: SB32792-01**		Prepared & Analyzed: 10-Aug-11					
Aroclor-1248 [2C]	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1254	BRL		µg/kg dry	22.8		20.6				40
Aroclor-1254 [2C]	14.8	J	µg/kg dry	22.8		20.6			33	40
Aroclor-1260	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1262	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1268	BRL		µg/kg dry	22.8		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	22.8		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.6*		µg/kg dry		*22.8*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.8*		µg/kg dry		*22.8*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.6*		µg/kg dry		*22.8*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg dry		*22.8*		*110*	*30-150*		
Matrix Spike (1115860-MS1)			**Source: SB32792-01**		Prepared & Analyzed: 10-Aug-11					
Aroclor-1016	328		µg/kg dry	22.2	278	BRL	118	40-135		
Aroclor-1016 [2C]	328		µg/kg dry	22.2	278	BRL	118	40-135		
Aroclor-1260	304		µg/kg dry	22.2	278	BRL	109	40-135		
Aroclor-1260 [2C]	342		µg/kg dry	22.2	278	BRL	123	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.5*		µg/kg dry		*22.2*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*23.4*		µg/kg dry		*22.2*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.4*		µg/kg dry		*22.2*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.5*		µg/kg dry		*22.2*		*110*	*30-150*		
Matrix Spike Dup (1115860-MSD1)			**Source: SB32792-01**		Prepared & Analyzed: 10-Aug-11					
Aroclor-1016	329		µg/kg dry	21.6	270	BRL	122	40-135	3	30
Aroclor-1016 [2C]	308		µg/kg dry	21.6	270	BRL	114	40-135	3	30
Aroclor-1260	315		µg/kg dry	21.6	270	BRL	117	40-135	7	30
Aroclor-1260 [2C]	327		µg/kg dry	21.6	270	BRL	121	40-135	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.7*		µg/kg dry		*21.6*		*110*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*22.7*		µg/kg dry		*21.6*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.7*		µg/kg dry		*21.6*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.8*		µg/kg dry		*21.6*		*115*	*30-150*		

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 1115792 - EPA 200 Series										
Blank (1115792-BLK1)						Prepared: 09-Aug-11	Analyzed: 10-Aug-11			
Arsenic	BRL		mg/kg wet	1.46						
Matrix Spike (1115792-MS2)			**Source: SB32792-04**			Prepared: 09-Aug-11	Analyzed: 10-Aug-11			
Arsenic	149		mg/kg dry	1.77	148	2.87	99	70-130		
Post Spike (1115792-PS2)			**Source: SB32792-04**			Prepared: 09-Aug-11	Analyzed: 10-Aug-11			
Arsenic	147		mg/kg dry	1.73	144	2.87	100	85-115		
Reference (1115792-SRM1)						Prepared: 09-Aug-11	Analyzed: 10-Aug-11			
Arsenic	57.2		mg/kg wet	1.50	54.6		105	82.94-117.4		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115428 - General Preparation										
Duplicate (1115428-DUP1)			**Source: SB32792-02**		Prepared & Analyzed: 04-Aug-11					
% Solids	88.1		%			87.3			0.9	20

Notes and Definitions

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).

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:
Kimberly Wisk

SB32792 (a)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ 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: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #:
Project Mgr.

Invoice To: ERM
(same as left)

P.O. No.: RQN:

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): S. Seekins, P. Diggins

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= none 11=

List preservative code below: 9 | 7 | 10 | 10

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 8260D, L	VOCs 8260D, H	PAHs 8270D	PCBs 8082	QA/QC Reporting Notes
327920	SB-13-0-1-20110803-01	8/3/11	11:25	G	SO	3	2			X	X	X	X	Hold PCBs pending VOC analysis
02	SB-14-0-1-20110803-01		11:30	G	SO	3	2			X	X	X	X	
03	SB-15-0-1-20110803-01		11:35	G	SO	3	2			X	X	X	X	
04	SB-16-0-1-20110803-01		11:45	G	SO	3	2			X	X	X	X	
05	TB-01-20110803-01	8/3/11		G	SO	3				X	X			
06	SB-17-5-6-20110803-01	8/3/11	1400	G	SO	3				X	X			
07	SB-17-6-7-20110803-01	8/3/11	1405	G	SO	3				X	X			HOLD

Relinquished by:	Received by:	Date:	Time:	Temp°C
John Miggins DEC	DEC	8/3/11	1430	6.0
		8/3/11	1707	1.0

☐ EDD Format
☒ E-mail to john.zehr@erm.com

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

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Revised July 2010

8A, 21V

SB32792 dg

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

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99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #:
Project Mgr.

Invoice To: ERM
(same as left)

P.O. No.: RQN:

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): S. Seekins, P. Diggins

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= none 11=

List preservative code below: 9 | 7 | 10 | 10

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, L	VOCs 8260, H	PAHs 8270	PCBs 8082	Total HS	State-specific reporting standards
327920	SB-13-0-1-20110803-01	8/3/11	11:25	G	SO	3	2			X	X	X	X	X	Hold PCBs pending VOC analysis
02	SB-14-0-1-20110803-01		11:30	G	SO	3	2			X	X	X	X		
03	SB-15-0-1-20110803-01		11:35	G	SO	3	2			X	X	X	X		canceled per
04	SB-16-0-1-20110803-01		11:45	G	SO	3	2			X	X	X	X	X	volume of sample 8/10/11
05	TB-01-20110803-01	8/3/11		G	SO	3				X	X				added per client DG
06	SB-17-5-6-20110803-01	8/3/11	1400	G	SO	3				X	X			X	email 8/9/11 DG
07	SB-17-6-7-20110803-01	8/3/11	1405	G	SO	3				X	X			X	HOLD

Relinquished by:	Received by:	Date:	Time:	Temp°C
John Miggins DEC	DEC	8/3/11	1430	6.0
		8/3/11	1707	1.0

☐ EDD Format
☒ E-mail to john.zehr@erm.com

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

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Revised July 2010

8 A, 21 V

Report Date:
16-Aug-11 16:18

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB33042-01	SB-18-0-120110804-01	Soil	04-Aug-11 11:00	08-Aug-11 15:50
SB33042-02	SB-19-1-2-20110804-01	Soil	04-Aug-11 12:20	08-Aug-11 15:50
SB33042-03	SB-19-2-3-20110804-01	Soil	04-Aug-11 12:25	08-Aug-11 15:50
SB33042-04	SB-20-1-2-20110804-01	Soil	04-Aug-11 12:35	08-Aug-11 15:50
SB33042-05	SB-20-2-3-20110804-01	Soil	04-Aug-11 12:40	08-Aug-11 15:50
SB33042-06	SB-21-0-1-20110804-01	Soil	04-Aug-11 16:00	08-Aug-11 15:50
SB33042-07	SB-22-5-6-20110804-01	Soil	04-Aug-11 16:30	08-Aug-11 15:50
SB33042-08	SB-22-3-4-20110804-01	Soil	04-Aug-11 16:20	08-Aug-11 15:50

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 61 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 2.3 degrees Celsius. The condition of these samples was further noted as received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 0.0 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.

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.

This method is designed for use on samples containing low levels of VOCs, ranging 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be reported at concentrations over 200 ug/Kg if rerunning the sample from the methanol preserved vial via method SW846 5030 would result in the concentration being non-reportable. This would be due to the difference in final reporting limits between the two methods.

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

EPA 200.7

Spikes:

1115731-MS1 *Source: SB33042-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum

1115731-PS1 *Source: SB33042-04*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Aluminum

SW846 7471B

Spikes:

1115732-MS1 *Source: SB33042-04*

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

Mercury

Duplicates:

1115732-DUP1 *Source: SB33042-04*

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

Mercury

SW846 8260C

Calibration:

1107002

SW846 8260C

Calibration:

1107002

Analyte quantified by quadratic equation type calibration.

Naphthalene
trans-1,4-Dichloro-2-butene

This affected the following samples:

1115784-BLK1
1115784-BS1
1115784-BSD1
1116259-BLK1
1116259-BS1
1116259-BSD1
S105925-ICV1
S106971-CCV1
S107201-CCV1
SB-18-0-120110804-01
SB-19-1-2-20110804-01
SB-19-2-3-20110804-01
SB-20-1-2-20110804-01
SB-20-2-3-20110804-01
SB-21-0-1-20110804-01
SB-22-3-4-20110804-01
SB-22-5-6-20110804-01

1107030

Analyte quantified by quadratic equation type calibration.

1,1,1,2-Tetrachloroethane
1,1,1-Trichloroethane
1,2-Dibromo-3-chloropropane
1,2-Dibromoethane (EDB)
1,4-Dioxane
2-Hexanone (MBK)
Bromodichloromethane
Bromoform
Carbon disulfide
Carbon tetrachloride
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
Tert-amyl methyl ether
trans-1,3-Dichloropropene

Laboratory Control Samples:

1116259 BS/BSD

1,4-Dioxane percent recoveries (79/67) are outside individual acceptance criteria (70-130), but within overall method allowances.
All reported results of the following samples are considered to have a potentially low bias:

SB-19-2-3-20110804-01
SB-20-2-3-20110804-01

Acetone percent recoveries (139/125) 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:

SB-19-2-3-20110804-01
SB-20-2-3-20110804-01

SW846 8260C

Laboratory Control Samples:

1116259 BS/BSD

Tert-Butanol / butyl alcohol percent recoveries (79/69) 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:

SB-19-2-3-20110804-01
SB-20-2-3-20110804-01

1116393 BS/BSD

2,2-Dichloropropane percent recoveries (137/141) 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:

SB-20-2-3-20110804-01

Bromoform percent recoveries (139/135) 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:

SB-20-2-3-20110804-01

Carbon disulfide percent recoveries (133/129) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

SB-20-2-3-20110804-01

cis-1,3-Dichloropropene percent recoveries (137/140) 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:

SB-20-2-3-20110804-01

Tert-amyl methyl ether percent recoveries (137/135) 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:

SB-20-2-3-20110804-01

trans-1,3-Dichloropropene percent recoveries (139/148) 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:

SB-20-2-3-20110804-01

Samples:

S106971-CCV1

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

Tert-Butanol / butyl alcohol (-29.1%)

This affected the following samples:

1115784-BLK1
1115784-BS1
1115784-BSD1
SB-18-0-120110804-01
SB-19-1-2-20110804-01
SB-20-1-2-20110804-01
SB-21-0-1-20110804-01
SB-22-3-4-20110804-01
SB-22-5-6-20110804-01

S107201-CCV1

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

1,4-Dioxane (-25.7%)
Tert-Butanol / butyl alcohol (-33.9%)

SW846 8260C

Samples:

S107201-CCV1

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

trans-1,4-Dichloro-2-butene (-23.2%)

This affected the following samples:

1116259-BLK1
1116259-BS1
1116259-BSD1
SB-19-2-3-20110804-01
SB-20-2-3-20110804-01

S107246-CCV1

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

2,2-Dichloropropane (37.0%)
Dichlorodifluoromethane (Freon12) (-23.8%)
Ethyl tert-butyl ether (23.1%)
Tert-Butanol / butyl alcohol (26.1%)
Tetrahydrofuran (26.4%)

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

1,1,1,2-Tetrachloroethane (23.3%)
1,2-Dibromo-3-chloropropane (24.2%)
1,4-Dioxane (22.6%)
Bromodichloromethane (27.9%)
Bromoform (38.7%)
Carbon disulfide (32.6%)
cis-1,3-Dichloropropene (37.3%)
Dibromochloromethane (25.2%)
Tert-amyl methyl ether (37.4%)
trans-1,3-Dichloropropene (38.6%)

This affected the following samples:

1116393-BLK1
1116393-BS1
1116393-BSD1
SB-20-2-3-20110804-01

SB33042-01 *SB-18-0-120110804-01*

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

Acetone

SB33042-04 *SB-20-1-2-20110804-01*

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

1,4-Dioxane

SB33042-04RE1 *SB-20-1-2-20110804-01*

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

SB33042-05 *SB-20-2-3-20110804-01*

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

1,4-Dioxane

SW846 8260C

Samples:

SB33042-05RE1 *SB-20-2-3-20110804-01*

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

SB33042-06 *SB-21-0-1-20110804-01*

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

Acetone

SB33042-07 *SB-22-5-6-20110804-01*

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

Acetone

SB33042-08 *SB-22-3-4-20110804-01*

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

Acetone

SW846 8270D

Samples:

S107001-CCV1

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

Anthracene (-21.4%)
Chrysene (-21.2%)

This affected the following samples:

1115751-BLK1
1115751-BS1
1115751-DUP1
1115751-MS1
1115751-MSD1
SB-18-0-120110804-01
SB-21-0-1-20110804-01
SB-22-3-4-20110804-01
SB-22-5-6-20110804-01

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-18-0-120110804-01	0140857	Soil	04-Aug-11 11:00	08-Aug-11
SB33042-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	08-Aug-11	08-Aug-11	JLH	1115738	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.3 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.4	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
67-64-1	Acetone	244	VOC11	µg/kg dry	53.7	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	53.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	53.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-18-0-120110804-01	0140857	Soil	04-Aug-11 11:00	08-Aug-11
SB33042-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.3 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.4	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	53.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	53.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	107	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.9	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2150	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*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	342	1	SW846 8270D	09-Aug-11	09-Aug-11	MSL	1115751	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	342	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-18-0-120110804-01	0140857	Soil	04-Aug-11 11:00	08-Aug-11
SB33042-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	342	1	SW846 8270D	09-Aug-11	09-Aug-11	MSL	1115751	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	342	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	342	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*71*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	13.8	1	8015CM	09-Aug-11	09-Aug-11	DS	1115750	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	13.8	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	13.8	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	13.8	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	13.8	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	13.8	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	13.8	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	13.8	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*90*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	93.7		%		1	SM2540 G Mod.	08-Aug-11	08-Aug-11	DT	1115735	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19-1-2-20110804-01	0140857	Soil	04-Aug-11 12:20	08-Aug-11
SB33042-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	08-Aug-11	08-Aug-11	JLH	1115738	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.46 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.4	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
67-64-1	Acetone	BRL		µg/kg dry	53.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	53.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	53.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19-1-2-20110804-01	0140857	Soil	04-Aug-11 12:20	08-Aug-11
SB33042-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.46 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.4	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	53.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.4	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.8	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	53.9	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	108	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	27.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2160	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*	*109*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.3	1	8015CM	09-Aug-11	09-Aug-11	DS	1115750	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19-1-2-20110804-01	0140857	Soil	04-Aug-11 12:20	08-Aug-11
SB33042-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.3	1	8015CM	09-Aug-11	09-Aug-11	DS	1115750	X
M09800000	Motor Oil	BRL		mg/kg dry	14.3	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	14.3	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	14.3	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	14.3	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	14.3	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*84*			*40-140 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	BRL		mg/kg dry	0.0320	1	SW846 7471B	08-Aug-11	09-Aug-11	EDT	1115732	X
Total Metals by EPA 200 Series Methods												
7440-22-4	Silver	BRL		mg/kg dry	1.62	1	EPA 200.7	08-Aug-11	08-Aug-11	ARF	1115731	
7429-90-5	Aluminum	2,390		mg/kg dry	5.41	1	"	"	"	"	"	
7440-38-2	Arsenic	8.43		mg/kg dry	1.62	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.541	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.541	1	"	"	"	"	"	
7440-47-3	Chromium	3.85		mg/kg dry	1.08	1	"	"	"	"	"	
7440-50-8	Copper	13.5		mg/kg dry	1.08	1	"	"	"	"	"	
7440-02-0	Nickel	9.23		mg/kg dry	1.08	1	"	"	"	"	"	
7439-92-1	Lead	6.41		mg/kg dry	1.62	1	"	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	5.41	1	"	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.62	1	"	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	3.24	1	"	"	"	"	"	
7440-66-6	Zinc	24.3		mg/kg dry	1.08	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.2		%		1	SM2540 G Mod.	08-Aug-11	08-Aug-11	DT	1115735	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19-2-3-20110804-01	0140857	Soil	04-Aug-11 12:25	08-Aug-11
SB33042-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	08-Aug-11	08-Aug-11	JLH	1115738	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.81 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.9	1	SW846 8260C	15-Aug-11	15-Aug-11	JRO	1116259	X
67-64-1	Acetone	109		µg/kg dry	48.7	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	48.7	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	48.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19-2-3-20110804-01	0140857	Soil	04-Aug-11 12:25	08-Aug-11
SB33042-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.81 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.9	1	SW846 8260C	15-Aug-11	15-Aug-11	JRO	1116259	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	48.7	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	"	"	"	"	"	X
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	48.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	97.3	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	24.3	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	1950	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.3		%		1	SM2540 G Mod.	15-Aug-11	15-Aug-11	BD	1116268	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20-1-2-20110804-01	0140857	Soil	04-Aug-11 12:35	08-Aug-11
SB33042-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	08-Aug-11	08-Aug-11	JLH	1115738	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.51 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.1	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
67-64-1	Acetone	BRL		µg/kg dry	50.7	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	50.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	50.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20-1-2-20110804-01	0140857	Soil	04-Aug-11 12:35	08-Aug-11
SB33042-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.51 g						
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.1	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	50.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.1	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	50.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	28,000	E	µg/kg dry	101	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.3	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2030	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*110*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*		"	"	"	"	"	
Re-analysis of Volatile Organic Compounds			GS1									
Prepared by method SW846 5030 Soil (high level)						Initial weight: 16.85 g						
123-91-1	1,4-Dioxane	15,800		µg/kg dry	995	50	SW846 8260C	09-Aug-11	09-Aug-11	naa	1115801	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20-1-2-20110804-01	0140857	Soil	04-Aug-11 12:35	08-Aug-11
SB33042-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds			GS1									
Prepared by method SW846 5030 Soil (high level)						Initial weight: 16.85 g						
2037-26-5	*Toluene-d8*	*103*			*70-130 %*		SW846 8260C	09-Aug-11	09-Aug-11	naa	1115801	
17060-07-0	*1,2-Dichloroethane-d4*	*82*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*85*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.0	1	8015CM	09-Aug-11	09-Aug-11	DS	1115750	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.0	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.0	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	14.0	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	14.0	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	14.0	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	14.0	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	14.0	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*85*			*40-140 %*		"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods												
7439-97-6	Mercury	BRL		mg/kg dry	0.0299	1	SW846 7471B	08-Aug-11	09-Aug-11	EDT	1115732	X
Total Metals by EPA 200 Series Methods												
7440-22-4	Silver	BRL		mg/kg dry	1.51	1	EPA 200.7	08-Aug-11	08-Aug-11	ARF	1115731	
7429-90-5	Aluminum	1,600		mg/kg dry	5.02	1	"	"	"	"	"	
7440-38-2	Arsenic	6.78		mg/kg dry	1.51	1	"	"	"	"	"	
7440-41-7	Beryllium	BRL		mg/kg dry	0.502	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL		mg/kg dry	0.502	1	"	"	"	"	"	
7440-47-3	Chromium	4.62		mg/kg dry	1.00	1	"	"	"	"	"	
7440-50-8	Copper	21.6		mg/kg dry	1.00	1	"	"	"	"	"	
7440-02-0	Nickel	8.51		mg/kg dry	1.00	1	"	"	"	"	"	
7439-92-1	Lead	7.30		mg/kg dry	1.51	1	"	"	"	"	"	
7440-36-0	Antimony	BRL		mg/kg dry	5.02	1	"	"	"	"	"	
7782-49-2	Selenium	BRL		mg/kg dry	1.51	1	"	"	"	"	"	
7440-28-0	Thallium	BRL		mg/kg dry	3.01	1	"	"	"	"	"	
7440-66-6	Zinc	23.9		mg/kg dry	1.00	1	"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.7		%		1	SM2540 G Mod.	08-Aug-11	08-Aug-11	DT	1115735	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20-2-3-20110804-01	0140857	Soil	04-Aug-11 12:40	08-Aug-11
SB33042-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	08-Aug-11	08-Aug-11	JLH	1115738	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.9 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	4.7	1	SW846 8260C	15-Aug-11	15-Aug-11	JRO	1116259	X
67-64-1	Acetone	59.2		µg/kg dry	47.0	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	9.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	47.0	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	9.4	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	9.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	9.4	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	9.4	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	9.4	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	47.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20-2-3-20110804-01	0140857	Soil	04-Aug-11 12:40	08-Aug-11
SB33042-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.9 g						
98-82-8	Isopropylbenzene	BRL		µg/kg dry	4.7	1	SW846 8260C	15-Aug-11	15-Aug-11	JRO	1116259	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	47.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	9.4	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	"	"	"	"	"	X
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	9.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	4.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	9.4	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	47.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	26,500	E	µg/kg dry	93.9	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	23.5	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	1880	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*		"	"	"	"	"	
Re-analysis of Volatile Organic Compounds			GS1									
Prepared by method SW846 5030 Soil (high level)						Initial weight: 16.43 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	101	100	SW846 8260C	16-Aug-11	16-Aug-11	naa	1116393	X
67-64-1	Acetone	BRL		µg/kg dry	1010	100	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	101	100	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20-2-3-20110804-01	0140857	Soil	04-Aug-11 12:40	08-Aug-11
SB33042-05				

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds GS1

Prepared by method SW846 5030 Soil (high level) Initial weight: 16.43 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
71-43-2	Benzene	BRL		µg/kg dry	101	100	SW846 8260C	16-Aug-11	16-Aug-11	naa	1116393	X
108-86-1	Bromobenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	101	100	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	202	100	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	1010	100	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	202	100	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	101	100	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	202	100	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	101	100	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	202	100	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	202	100	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	101	100	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	202	100	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	1010	100	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	101	100	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	1010	100	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-20-2-3-20110804-01	0140857	Soil	04-Aug-11 12:40	08-Aug-11
SB33042-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Re-analysis of Volatile Organic Compounds			GS1									
Prepared by method SW846 5030 Soil (high level)						Initial weight: 16.43 g						
75-09-2	Methylene chloride	BRL		µg/kg dry	202	100	SW846 8260C	16-Aug-11	16-Aug-11	naa	1116393	X
91-20-3	Naphthalene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	101	100	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	101	100	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	101	100	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	202	100	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	101	100	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	202	100	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	101	100	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	101	100	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	101	100	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	101	100	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	1010	100	"	"	"	"	"	X
123-91-1	1,4-Dioxane	15,200		µg/kg dry	2020	100	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	504	100	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	40300	100	"	"	"	"	"	
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*	*102*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*			*70-130 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.3		%		1	SM2540 G Mod.	15-Aug-11	15-Aug-11	BD	1116268	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-21-0-1-20110804-01	0140857	Soil	04-Aug-11 16:00	08-Aug-11
SB33042-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	08-Aug-11	08-Aug-11	JLH	1115738	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.29 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.3	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
67-64-1	Acetone	1,200	VOC11	µg/kg dry	52.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-21-0-1-20110804-01	0140857	Soil	04-Aug-11 16:00	08-Aug-11
SB33042-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.29 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.3	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.5	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.3	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.5	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.3	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	105	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	26.3	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2100	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*	*108*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*		"	"	"	"	"	
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	340	1	SW846 8270D	09-Aug-11	09-Aug-11	MSL	1115751	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	340	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-21-0-1-20110804-01	0140857	Soil	04-Aug-11 16:00	08-Aug-11
SB33042-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	340	1	SW846 8270D	09-Aug-11	09-Aug-11	MSL	1115751	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	340	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	340	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*62*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	13.7	1	8015CM	09-Aug-11	09-Aug-11	DS	1115750	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	13.7	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	13.7	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	13.7	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	13.7	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	13.7	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	13.7	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	13.7	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*83*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.8		%		1	SM2540 G Mod.	08-Aug-11	08-Aug-11	DT	1115735	
Subcontracted Analyses												
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*												
7440-38-2	Arsenic	4.89		mg/Kg	0.65	1	6010/200.7	12-Aug-11 02:16	12-Aug-11 02:16	CT007	182532A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-5-6-20110804-01	0140857	Soil	04-Aug-11 16:30	08-Aug-11
SB33042-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	08-Aug-11	08-Aug-11	JLH	1115738	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.41 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.7	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
67-64-1	Acetone	753	VOC11	µg/kg dry	57.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-5-6-20110804-01	0140857	Soil	04-Aug-11 16:30	08-Aug-11
SB33042-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.41 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.7	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	11.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.7	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	11.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	114	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	28.6	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2290	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*	*112*			*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	365	1	SW846 8270D	09-Aug-11	09-Aug-11	MSL	1115751	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	365	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-5-6-20110804-01	0140857	Soil	04-Aug-11 16:30	08-Aug-11
SB33042-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	365	1	SW846 8270D	09-Aug-11	09-Aug-11	MSL	1115751	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	365	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	365	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.7	1	8015CM	09-Aug-11	09-Aug-11	DS	1115750	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	14.7	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*83*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	89.8		%		1	SM2540 G Mod.	08-Aug-11	08-Aug-11	DT	1115735	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-3-4-20110804-01	0140857	Soil	04-Aug-11 16:20	08-Aug-11
SB33042-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	08-Aug-11	08-Aug-11	JLH	1115738	
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.88 g						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg dry	5.1	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
67-64-1	Acetone	301	VOC11	µg/kg dry	50.8	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/kg dry	50.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/kg dry	50.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-3-4-20110804-01	0140857	Soil	04-Aug-11 16:20	08-Aug-11
SB33042-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)					Initial weight: 5.88 g							
98-82-8	Isopropylbenzene	BRL		µg/kg dry	5.1	1	SW846 8260C	09-Aug-11	09-Aug-11	JRO	1115784	X
99-87-6	4-Isopropyltoluene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/kg dry	50.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/kg dry	10.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/kg dry	5.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/kg dry	10.2	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL		µg/kg dry	5.1	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/kg dry	50.8	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/kg dry	102	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/kg dry	25.4	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/kg dry	2030	1	"	"	"	"	"	
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*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	360	1	SW846 8270D	09-Aug-11	09-Aug-11	MSL	1115751	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	360	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-3-4-20110804-01	0140857	Soil	04-Aug-11 16:20	08-Aug-11
SB33042-08				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
120-12-7	Anthracene	BRL		µg/kg dry	360	1	SW846 8270D	09-Aug-11	09-Aug-11	MSL	1115751	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	360	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	360	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*70*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	14.5	1	8015CM	09-Aug-11	09-Aug-11	DS	1115750	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	14.5	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	14.5	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	14.5	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	14.5	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	14.5	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	14.5	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*85*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	91.8		%		1	SM2540 G Mod.	08-Aug-11	08-Aug-11	DT	1115735	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115784 - SW846 5035A Soil (low level)										
Blank (1115784-BLK1)					Prepared & Analyzed: 09-Aug-11					
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115784 - SW846 5035A Soil (low level)										
Blank (1115784-BLK1)					Prepared & Analyzed: 09-Aug-11					
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	*48.9*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.2*		µg/kg wet		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*54.0*		µg/kg wet		*50.0*		*108*	*70-130*		
LCS (1115784-BS1)					Prepared & Analyzed: 09-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.2		µg/kg wet		20.0		96	70-130		
Acetone	21.8		µg/kg wet		20.0		109	70-130		
Acrylonitrile	19.8		µg/kg wet		20.0		99	70-130		
Benzene	20.7		µg/kg wet		20.0		104	70-130		
Bromobenzene	21.0		µg/kg wet		20.0		105	70-130		
Bromochloromethane	21.7		µg/kg wet		20.0		108	70-130		
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130		
Bromoform	21.0		µg/kg wet		20.0		105	70-130		
Bromomethane	21.2		µg/kg wet		20.0		106	70-130		
2-Butanone (MEK)	20.1		µg/kg wet		20.0		100	70-130		
n-Butylbenzene	18.8		µg/kg wet		20.0		94	70-130		
sec-Butylbenzene	20.9		µg/kg wet		20.0		105	70-130		
tert-Butylbenzene	21.1		µg/kg wet		20.0		106	70-130		
Carbon disulfide	20.2		µg/kg wet		20.0		101	70-130		
Carbon tetrachloride	17.8		µg/kg wet		20.0		89	70-130		
Chlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
Chloroethane	19.5		µg/kg wet		20.0		97	70-130		
Chloroform	18.9		µg/kg wet		20.0		94	70-130		
Chloromethane	18.5		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	20.5		µg/kg wet		20.0		103	70-130		
4-Chlorotoluene	20.1		µg/kg wet		20.0		101	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115784 - SW846 5035A Soil (low level)										
LCS (1115784-BS1)					Prepared & Analyzed: 09-Aug-11					
1,2-Dibromo-3-chloropropane	20.3		µg/kg wet		20.0		102	70-130		
Dibromochloromethane	20.5		µg/kg wet		20.0		102	70-130		
1,2-Dibromoethane (EDB)	21.0		µg/kg wet		20.0		105	70-130		
Dibromomethane	20.2		µg/kg wet		20.0		101	70-130		
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,4-Dichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	15.3		µg/kg wet		20.0		77	70-130		
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130		
1,1-Dichloroethene	20.5		µg/kg wet		20.0		102	70-130		
cis-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130		
trans-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
1,3-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130		
2,2-Dichloropropane	17.4		µg/kg wet		20.0		87	70-130		
1,1-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
cis-1,3-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130		
trans-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130		
Ethylbenzene	20.7		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	19.1		µg/kg wet		20.0		95	70-130		
2-Hexanone (MBK)	19.0		µg/kg wet		20.0		95	70-130		
Isopropylbenzene	20.6		µg/kg wet		20.0		103	70-130		
4-Isopropyltoluene	19.2		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	19.9		µg/kg wet		20.0		100	70-130		
4-Methyl-2-pentanone (MIBK)	20.0		µg/kg wet		20.0		100	70-130		
Methylene chloride	20.7		µg/kg wet		20.0		104	70-130		
Naphthalene	18.6		µg/kg wet		20.0		93	70-130		
n-Propylbenzene	20.5		µg/kg wet		20.0		102	70-130		
Styrene	21.5		µg/kg wet		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	22.0		µg/kg wet		20.0		110	70-130		
Tetrachloroethene	19.4		µg/kg wet		20.0		97	70-130		
Toluene	20.1		µg/kg wet		20.0		101	70-130		
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
1,2,4-Trichlorobenzene	17.3		µg/kg wet		20.0		87	70-130		
1,3,5-Trichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	18.5		µg/kg wet		20.0		93	70-130		
1,1,2-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130		
Trichloroethene	19.7		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	19.3		µg/kg wet		20.0		97	70-130		
1,2,3-Trichloropropane	20.7		µg/kg wet		20.0		104	70-130		
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130		
1,3,5-Trimethylbenzene	20.9		µg/kg wet		20.0		105	70-130		
Vinyl chloride	19.7		µg/kg wet		20.0		99	70-130		
m,p-Xylene	43.4		µg/kg wet		40.0		109	70-130		
o-Xylene	21.6		µg/kg wet		20.0		108	70-130		
Tetrahydrofuran	19.5		µg/kg wet		20.0		97	70-130		
Ethyl ether	21.1		µg/kg wet		20.0		105	70-130		
Tert-amyl methyl ether	20.3		µg/kg wet		20.0		102	70-130		
Ethyl tert-butyl ether	18.8		µg/kg wet		20.0		94	70-130		
Di-isopropyl ether	19.6		µg/kg wet		20.0		98	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115784 - SW846 5035A Soil (low level)										
LCS (1115784-BS1)						Prepared & Analyzed: 09-Aug-11				
Tert-Butanol / butyl alcohol	182		µg/kg wet		200		91	70-130		
1,4-Dioxane	230		µg/kg wet		200		115	70-130		
trans-1,4-Dichloro-2-butene	17.7		µg/kg wet		20.0		89	70-130		
Ethanol	416		µg/kg wet		400		104	70-130		
Surrogate: 4-Bromofluorobenzene	*51.3*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.6*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (1115784-BSD1)						Prepared & Analyzed: 09-Aug-11				
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.3		µg/kg wet		20.0		97	70-130	0.6	25
Acetone	23.4		µg/kg wet		20.0		117	70-130	7	50
Acrylonitrile	20.6		µg/kg wet		20.0		103	70-130	4	25
Benzene	20.7		µg/kg wet		20.0		104	70-130	0.05	25
Bromobenzene	20.8		µg/kg wet		20.0		104	70-130	0.9	25
Bromochloromethane	21.9		µg/kg wet		20.0		110	70-130	1	25
Bromodichloromethane	19.6		µg/kg wet		20.0		98	70-130	0	25
Bromoform	20.6		µg/kg wet		20.0		103	70-130	2	25
Bromomethane	20.8		µg/kg wet		20.0		104	70-130	2	50
2-Butanone (MEK)	21.1		µg/kg wet		20.0		105	70-130	5	50
n-Butylbenzene	18.5		µg/kg wet		20.0		92	70-130	2	25
sec-Butylbenzene	20.5		µg/kg wet		20.0		102	70-130	2	25
tert-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Carbon disulfide	20.0		µg/kg wet		20.0		100	70-130	1	25
Carbon tetrachloride	17.9		µg/kg wet		20.0		89	70-130	0.5	25
Chlorobenzene	20.1		µg/kg wet		20.0		101	70-130	2	25
Chloroethane	18.9		µg/kg wet		20.0		94	70-130	3	50
Chloroform	18.8		µg/kg wet		20.0		94	70-130	0.2	25
Chloromethane	18.3		µg/kg wet		20.0		91	70-130	1	25
2-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	2	25
4-Chlorotoluene	20.1		µg/kg wet		20.0		101	70-130	0.1	25
1,2-Dibromo-3-chloropropane	21.2		µg/kg wet		20.0		106	70-130	4	25
Dibromochloromethane	21.1		µg/kg wet		20.0		105	70-130	3	50
1,2-Dibromoethane (EDB)	21.3		µg/kg wet		20.0		107	70-130	2	25
Dibromomethane	20.0		µg/kg wet		20.0		100	70-130	0.9	25
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	0.2	25
1,3-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	3	25
1,4-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	2	25
Dichlorodifluoromethane (Freon12)	18.7		µg/kg wet		20.0		94	70-130	20	50
1,1-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130	0.8	25
1,2-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130	0.1	25
1,1-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130	1	25
cis-1,2-Dichloroethene	20.8		µg/kg wet		20.0		104	70-130	0.2	25
trans-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	5	25
1,2-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130	0	25
1,3-Dichloropropane	20.7		µg/kg wet		20.0		103	70-130	0.9	25
2,2-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130	2	25
1,1-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	2	25
cis-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130	2	25
trans-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130	0.4	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	0.2	25
Hexachlorobutadiene	17.8		µg/kg wet		20.0		89	70-130	7	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115784 - SW846 5035A Soil (low level)										
LCS Dup (1115784-BSD1)					Prepared & Analyzed: 09-Aug-11					
2-Hexanone (MBK)	19.6		µg/kg wet		20.0		98	70-130	3	25
Isopropylbenzene	20.1		µg/kg wet		20.0		101	70-130	2	25
4-Isopropyltoluene	19.6		µg/kg wet		20.0		98	70-130	2	25
Methyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130	2	25
4-Methyl-2-pentanone (MIBK)	20.7		µg/kg wet		20.0		104	70-130	4	50
Methylene chloride	21.0		µg/kg wet		20.0		105	70-130	1	25
Naphthalene	18.7		µg/kg wet		20.0		94	70-130	0.6	25
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130	1	25
Styrene	21.3		µg/kg wet		20.0		106	70-130	0.7	25
1,1,1,2-Tetrachloroethane	20.5		µg/kg wet		20.0		103	70-130	2	25
1,1,2,2-Tetrachloroethane	21.8		µg/kg wet		20.0		109	70-130	1	25
Tetrachloroethene	20.1		µg/kg wet		20.0		100	70-130	3	25
Toluene	20.0		µg/kg wet		20.0		100	70-130	0.8	25
1,2,3-Trichlorobenzene	18.4		µg/kg wet		20.0		92	70-130	2	25
1,2,4-Trichlorobenzene	17.5		µg/kg wet		20.0		88	70-130	1	25
1,3,5-Trichlorobenzene	19.7		µg/kg wet		20.0		99	70-130	3	25
1,1,1-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130	0.7	25
1,1,2-Trichloroethane	21.2		µg/kg wet		20.0		106	70-130	2	25
Trichloroethene	19.4		µg/kg wet		20.0		97	70-130	1	25
Trichlorofluoromethane (Freon 11)	18.8		µg/kg wet		20.0		94	70-130	2	50
1,2,3-Trichloropropane	21.1		µg/kg wet		20.0		106	70-130	2	25
1,2,4-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130	1	25
1,3,5-Trimethylbenzene	20.5		µg/kg wet		20.0		102	70-130	2	25
Vinyl chloride	19.2		µg/kg wet		20.0		96	70-130	3	25
m,p-Xylene	42.8		µg/kg wet		40.0		107	70-130	1	25
o-Xylene	21.6		µg/kg wet		20.0		108	70-130	0.09	25
Tetrahydrofuran	21.6		µg/kg wet		20.0		108	70-130	10	25
Ethyl ether	22.2		µg/kg wet		20.0		111	70-130	5	50
Tert-amyl methyl ether	20.2		µg/kg wet		20.0		101	70-130	0.5	25
Ethyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130	3	25
Di-isopropyl ether	19.6		µg/kg wet		20.0		98	70-130	0.3	25
Tert-Butanol / butyl alcohol	178		µg/kg wet		200		89	70-130	2	25
1,4-Dioxane	204		µg/kg wet		200		102	70-130	12	25
trans-1,4-Dichloro-2-butene	17.8		µg/kg wet		20.0		89	70-130	0.3	25
Ethanol	422		µg/kg wet		400		105	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.7*		µg/kg wet		*50.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Batch 1115801 - SW846 5030 Soil (high level)										
Blank (1115801-BLK1)					Prepared & Analyzed: 09-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115801 - SW846 5030 Soil (high level)										
Blank (1115801-BLK1)					Prepared & Analyzed: 09-Aug-11					
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115801 - SW846 5030 Soil (high level)										
Blank (1115801-BLK1)					Prepared & Analyzed: 09-Aug-11					
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.8*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*27.2*		µg/kg wet		*30.0*		*91*	*70-130*		
LCS (1115801-BS1)					Prepared & Analyzed: 09-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.9		µg/kg wet		20.0		90	70-130		
Acetone	18.2		µg/kg wet		20.0		91	70-130		
Acrylonitrile	17.5		µg/kg wet		20.0		88	70-130		
Benzene	19.0		µg/kg wet		20.0		95	70-130		
Bromobenzene	20.9		µg/kg wet		20.0		104	70-130		
Bromochloromethane	19.5		µg/kg wet		20.0		97	70-130		
Bromodichloromethane	20.2		µg/kg wet		20.0		101	70-130		
Bromoform	20.0		µg/kg wet		20.0		100	70-130		
Bromomethane	18.2		µg/kg wet		20.0		91	70-130		
2-Butanone (MEK)	16.5		µg/kg wet		20.0		82	70-130		
n-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130		
sec-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
tert-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130		
Carbon disulfide	19.7		µg/kg wet		20.0		98	70-130		
Carbon tetrachloride	19.2		µg/kg wet		20.0		96	70-130		
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
Chloroethane	18.7		µg/kg wet		20.0		93	70-130		
Chloroform	17.3		µg/kg wet		20.0		86	70-130		
Chloromethane	18.0		µg/kg wet		20.0		90	70-130		
2-Chlorotoluene	19.7		µg/kg wet		20.0		98	70-130		
4-Chlorotoluene	20.5		µg/kg wet		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	17.3		µg/kg wet		20.0		86	70-130		
Dibromochloromethane	19.2		µg/kg wet		20.0		96	70-130		
1,2-Dibromoethane (EDB)	20.6		µg/kg wet		20.0		103	70-130		
Dibromomethane	19.9		µg/kg wet		20.0		99	70-130		
1,2-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	16.4		µg/kg wet		20.0		82	70-130		
1,1-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	18.5		µg/kg wet		20.0		92	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115801 - SW846 5030 Soil (high level)										
LCS (1115801-BS1)					Prepared & Analyzed: 09-Aug-11					
1,1-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130		
cis-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130		
trans-1,2-Dichloroethene	18.9		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	19.5		µg/kg wet		20.0		97	70-130		
1,3-Dichloropropane	19.3		µg/kg wet		20.0		96	70-130		
2,2-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130		
1,1-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130		
cis-1,3-Dichloropropene	22.4		µg/kg wet		20.0		112	70-130		
trans-1,3-Dichloropropene	22.6		µg/kg wet		20.0		113	70-130		
Ethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	20.7		µg/kg wet		20.0		104	70-130		
2-Hexanone (MBK)	19.0		µg/kg wet		20.0		95	70-130		
Isopropylbenzene	19.9		µg/kg wet		20.0		100	70-130		
4-Isopropyltoluene	20.7		µg/kg wet		20.0		104	70-130		
Methyl tert-butyl ether	18.8		µg/kg wet		20.0		94	70-130		
4-Methyl-2-pentanone (MIBK)	18.6		µg/kg wet		20.0		93	70-130		
Methylene chloride	18.2		µg/kg wet		20.0		91	70-130		
Naphthalene	19.6		µg/kg wet		20.0		98	70-130		
n-Propylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Styrene	19.4		µg/kg wet		20.0		97	70-130		
1,1,1,2-Tetrachloroethane	20.9		µg/kg wet		20.0		104	70-130		
1,1,2,2-Tetrachloroethane	15.8		µg/kg wet		20.0		79	70-130		
Tetrachloroethene	20.2		µg/kg wet		20.0		101	70-130		
Toluene	19.4		µg/kg wet		20.0		97	70-130		
1,2,3-Trichlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,3,5-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,1,1-Trichloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,1,2-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130		
Trichloroethene	20.1		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	17.6		µg/kg wet		20.0		88	70-130		
1,2,3-Trichloropropane	19.5		µg/kg wet		20.0		98	70-130		
1,2,4-Trimethylbenzene	22.4		µg/kg wet		20.0		112	70-130		
1,3,5-Trimethylbenzene	22.6		µg/kg wet		20.0		113	70-130		
Vinyl chloride	17.4		µg/kg wet		20.0		87	70-130		
m,p-Xylene	43.0		µg/kg wet		40.0		108	70-130		
o-Xylene	21.7		µg/kg wet		20.0		108	70-130		
Tetrahydrofuran	21.4		µg/kg wet		20.0		107	70-130		
Ethyl ether	18.7		µg/kg wet		20.0		94	70-130		
Tert-amyl methyl ether	21.0		µg/kg wet		20.0		105	70-130		
Ethyl tert-butyl ether	19.6		µg/kg wet		20.0		98	70-130		
Di-isopropyl ether	18.4		µg/kg wet		20.0		92	70-130		
Tert-Butanol / butyl alcohol	180		µg/kg wet		200		90	70-130		
1,4-Dioxane	199		µg/kg wet		200		100	70-130		
trans-1,4-Dichloro-2-butene	17.6		µg/kg wet		20.0		88	70-130		
Ethanol	337		µg/kg wet		400		84	70-130		
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.3*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
LCS Dup (1115801-BSD1)					Prepared & Analyzed: 09-Aug-11					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115801 - SW846 5030 Soil (high level)										
LCS Dup (1115801-BSD1)					Prepared & Analyzed: 09-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.9		µg/kg wet		20.0		95	70-130	5	25
Acetone	18.0		µg/kg wet		20.0		90	70-130	1	50
Acrylonitrile	18.4		µg/kg wet		20.0		92	70-130	5	25
Benzene	19.9		µg/kg wet		20.0		99	70-130	5	25
Bromobenzene	21.7		µg/kg wet		20.0		108	70-130	4	25
Bromochloromethane	20.7		µg/kg wet		20.0		104	70-130	6	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	4	25
Bromoform	20.7		µg/kg wet		20.0		104	70-130	4	25
Bromomethane	18.9		µg/kg wet		20.0		94	70-130	4	50
2-Butanone (MEK)	17.4		µg/kg wet		20.0		87	70-130	5	50
n-Butylbenzene	20.9		µg/kg wet		20.0		104	70-130	7	25
sec-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130	5	25
tert-Butylbenzene	23.3		µg/kg wet		20.0		116	70-130	5	25
Carbon disulfide	20.9		µg/kg wet		20.0		105	70-130	6	25
Carbon tetrachloride	20.2		µg/kg wet		20.0		101	70-130	5	25
Chlorobenzene	21.0		µg/kg wet		20.0		105	70-130	4	25
Chloroethane	19.3		µg/kg wet		20.0		96	70-130	3	50
Chloroform	17.7		µg/kg wet		20.0		89	70-130	2	25
Chloromethane	18.9		µg/kg wet		20.0		94	70-130	5	25
2-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130	4	25
4-Chlorotoluene	21.1		µg/kg wet		20.0		106	70-130	3	25
1,2-Dibromo-3-chloropropane	19.7		µg/kg wet		20.0		99	70-130	13	25
Dibromochloromethane	20.0		µg/kg wet		20.0		100	70-130	4	50
1,2-Dibromoethane (EDB)	21.6		µg/kg wet		20.0		108	70-130	5	25
Dibromomethane	20.8		µg/kg wet		20.0		104	70-130	5	25
1,2-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	4	25
1,3-Dichlorobenzene	21.3		µg/kg wet		20.0		106	70-130	2	25
1,4-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	4	25
Dichlorodifluoromethane (Freon12)	18.0		µg/kg wet		20.0		90	70-130	9	50
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	4	25
1,2-Dichloroethane	19.3		µg/kg wet		20.0		96	70-130	4	25
1,1-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	4	25
cis-1,2-Dichloroethene	19.5		µg/kg wet		20.0		97	70-130	5	25
trans-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	3	25
1,2-Dichloropropane	20.3		µg/kg wet		20.0		102	70-130	4	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	4	25
2,2-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130	1	25
1,1-Dichloropropene	20.7		µg/kg wet		20.0		104	70-130	5	25
cis-1,3-Dichloropropene	22.9		µg/kg wet		20.0		114	70-130	2	25
trans-1,3-Dichloropropene	22.9		µg/kg wet		20.0		115	70-130	2	25
Ethylbenzene	21.9		µg/kg wet		20.0		109	70-130	5	25
Hexachlorobutadiene	21.4		µg/kg wet		20.0		107	70-130	3	50
2-Hexanone (MBK)	19.2		µg/kg wet		20.0		96	70-130	0.7	25
Isopropylbenzene	21.0		µg/kg wet		20.0		105	70-130	5	25
4-Isopropyltoluene	22.3		µg/kg wet		20.0		111	70-130	7	25
Methyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130	5	25
4-Methyl-2-pentanone (MIBK)	19.5		µg/kg wet		20.0		98	70-130	5	50
Methylene chloride	19.2		µg/kg wet		20.0		96	70-130	6	25
Naphthalene	21.0		µg/kg wet		20.0		105	70-130	7	25
n-Propylbenzene	22.9		µg/kg wet		20.0		114	70-130	6	25
Styrene	20.1		µg/kg wet		20.0		100	70-130	3	25
1,1,1,2-Tetrachloroethane	21.8		µg/kg wet		20.0		109	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115801 - SW846 5030 Soil (high level)										
LCS Dup (1115801-BSD1)					Prepared & Analyzed: 09-Aug-11					
1,1,2,2-Tetrachloroethane	17.0		µg/kg wet		20.0		85	70-130	7	25
Tetrachloroethene	21.1		µg/kg wet		20.0		106	70-130	5	25
Toluene	20.1		µg/kg wet		20.0		101	70-130	4	25
1,2,3-Trichlorobenzene	22.6		µg/kg wet		20.0		113	70-130	4	25
1,2,4-Trichlorobenzene	21.8		µg/kg wet		20.0		109	70-130	5	25
1,3,5-Trichlorobenzene	21.8		µg/kg wet		20.0		109	70-130	5	25
1,1,1-Trichloroethane	20.5		µg/kg wet		20.0		102	70-130	4	25
1,1,2-Trichloroethane	20.4		µg/kg wet		20.0		102	70-130	4	25
Trichloroethene	21.3		µg/kg wet		20.0		106	70-130	6	25
Trichlorofluoromethane (Freon 11)	18.9		µg/kg wet		20.0		94	70-130	7	50
1,2,3-Trichloropropane	20.5		µg/kg wet		20.0		103	70-130	5	25
1,2,4-Trimethylbenzene	23.2		µg/kg wet		20.0		116	70-130	4	25
1,3,5-Trimethylbenzene	23.5		µg/kg wet		20.0		117	70-130	4	25
Vinyl chloride	18.8		µg/kg wet		20.0		94	70-130	8	25
m,p-Xylene	45.0		µg/kg wet		40.0		113	70-130	4	25
o-Xylene	22.4		µg/kg wet		20.0		112	70-130	3	25
Tetrahydrofuran	17.7		µg/kg wet		20.0		89	70-130	19	25
Ethyl ether	19.9		µg/kg wet		20.0		99	70-130	6	50
Tert-amyl methyl ether	21.6		µg/kg wet		20.0		108	70-130	3	25
Ethyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130	1	25
Di-isopropyl ether	19.1		µg/kg wet		20.0		96	70-130	4	25
Tert-Butanol / butyl alcohol	196		µg/kg wet		200		98	70-130	9	25
1,4-Dioxane	228		µg/kg wet		200		114	70-130	14	25
trans-1,4-Dichloro-2-butene	18.4		µg/kg wet		20.0		92	70-130	5	25
Ethanol	363		µg/kg wet		400		91	70-130	8	30
Surrogate: 4-Bromofluorobenzene	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.0*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*28.3*		µg/kg wet		*30.0*		*94*	*70-130*		
Batch 1116259 - SW846 5035A Soil (low level)										
Blank (1116259-BLK1)					Prepared & Analyzed: 15-Aug-11					
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						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116259 - SW846 5035A Soil (low level)										
Blank (1116259-BLK1)					Prepared & Analyzed: 15-Aug-11					
4-Chlorotoluene	BRL		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	10.0						
Dibromochloromethane	BRL		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	5.0						
Dibromomethane	BRL		µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	10.0						
1,1-Dichloroethane	BRL		µg/kg wet	5.0						
1,2-Dichloroethane	BRL		µg/kg wet	5.0						
1,1-Dichloroethene	BRL		µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	5.0						
1,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,3-Dichloropropane	BRL		µg/kg wet	5.0						
2,2-Dichloropropane	BRL		µg/kg wet	5.0						
1,1-Dichloropropene	BRL		µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	5.0						
Ethylbenzene	BRL		µg/kg wet	5.0						
Hexachlorobutadiene	BRL		µg/kg wet	5.0						
2-Hexanone (MBK)	BRL		µg/kg wet	50.0						
Isopropylbenzene	BRL		µg/kg wet	5.0						
4-Isopropyltoluene	BRL		µg/kg wet	5.0						
Methyl tert-butyl ether	BRL		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	50.0						
Methylene chloride	BRL		µg/kg wet	10.0						
Naphthalene	BRL		µg/kg wet	5.0						
n-Propylbenzene	BRL		µg/kg wet	5.0						
Styrene	BRL		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	5.0						
Tetrachloroethene	BRL		µg/kg wet	5.0						
Toluene	BRL		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	5.0						
Trichloroethene	BRL		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	5.0						
Vinyl chloride	BRL		µg/kg wet	5.0						
m,p-Xylene	BRL		µg/kg wet	10.0						
o-Xylene	BRL		µg/kg wet	5.0						
Tetrahydrofuran	BRL		µg/kg wet	10.0						
Ethyl ether	BRL		µg/kg wet	5.0						
Tert-amyl methyl ether	BRL		µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116259 - SW846 5035A Soil (low level)										
Blank (1116259-BLK1)					Prepared & Analyzed: 15-Aug-11					
Di-isopropyl ether	BRL		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	50.0						
1,4-Dioxane	BRL		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	25.0						
Ethanol	BRL		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*47.1*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*63.3*		µg/kg wet		*50.0*		*127*	*70-130*		
Surrogate: Dibromofluoromethane	*57.4*		µg/kg wet		*50.0*		*115*	*70-130*		
LCS (1116259-BS1)					Prepared & Analyzed: 15-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.5		µg/kg wet		20.0		93	70-130		
Acetone	27.7		µg/kg wet		20.0		139	70-130		
Acrylonitrile	19.7		µg/kg wet		20.0		98	70-130		
Benzene	19.0		µg/kg wet		20.0		95	70-130		
Bromobenzene	20.2		µg/kg wet		20.0		101	70-130		
Bromochloromethane	19.6		µg/kg wet		20.0		98	70-130		
Bromodichloromethane	18.8		µg/kg wet		20.0		94	70-130		
Bromoform	20.7		µg/kg wet		20.0		104	70-130		
Bromomethane	18.9		µg/kg wet		20.0		95	70-130		
2-Butanone (MEK)	16.9		µg/kg wet		20.0		85	70-130		
n-Butylbenzene	19.1		µg/kg wet		20.0		96	70-130		
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
tert-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130		
Carbon disulfide	18.5		µg/kg wet		20.0		93	70-130		
Carbon tetrachloride	17.9		µg/kg wet		20.0		90	70-130		
Chlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
Chloroethane	18.2		µg/kg wet		20.0		91	70-130		
Chloroform	18.0		µg/kg wet		20.0		90	70-130		
Chloromethane	17.8		µg/kg wet		20.0		89	70-130		
2-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130		
4-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dibromo-3-chloropropane	22.0		µg/kg wet		20.0		110	70-130		
Dibromochloromethane	20.3		µg/kg wet		20.0		101	70-130		
1,2-Dibromoethane (EDB)	20.3		µg/kg wet		20.0		102	70-130		
Dibromomethane	19.5		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	20.3		µg/kg wet		20.0		101	70-130		
1,3-Dichlorobenzene	20.1		µg/kg wet		20.0		101	70-130		
1,4-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloroethane	18.0		µg/kg wet		20.0		90	70-130		
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130		
cis-1,2-Dichloroethene	18.7		µg/kg wet		20.0		94	70-130		
trans-1,2-Dichloroethene	18.2		µg/kg wet		20.0		91	70-130		
1,2-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130		
1,3-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
2,2-Dichloropropane	15.7		µg/kg wet		20.0		78	70-130		
1,1-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130		
cis-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130		
trans-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130		
Ethylbenzene	19.8		µg/kg wet		20.0		99	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116259 - SW846 5035A Soil (low level)										
LCS (1116259-BS1)					Prepared & Analyzed: 15-Aug-11					
Hexachlorobutadiene	18.5		µg/kg wet		20.0		92	70-130		
2-Hexanone (MBK)	17.7		µg/kg wet		20.0		88	70-130		
Isopropylbenzene	19.8		µg/kg wet		20.0		99	70-130		
4-Isopropyltoluene	19.3		µg/kg wet		20.0		97	70-130		
Methyl tert-butyl ether	17.9		µg/kg wet		20.0		89	70-130		
4-Methyl-2-pentanone (MIBK)	18.4		µg/kg wet		20.0		92	70-130		
Methylene chloride	19.8		µg/kg wet		20.0		99	70-130		
Naphthalene	17.6		µg/kg wet		20.0		88	70-130		
n-Propylbenzene	20.1		µg/kg wet		20.0		101	70-130		
Styrene	19.3		µg/kg wet		20.0		96	70-130		
1,1,1,2-Tetrachloroethane	19.9		µg/kg wet		20.0		99	70-130		
1,1,2,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	18.6		µg/kg wet		20.0		93	70-130		
Toluene	18.3		µg/kg wet		20.0		92	70-130		
1,2,3-Trichlorobenzene	18.4		µg/kg wet		20.0		92	70-130		
1,2,4-Trichlorobenzene	17.2		µg/kg wet		20.0		86	70-130		
1,3,5-Trichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
1,1,1-Trichloroethane	17.7		µg/kg wet		20.0		89	70-130		
1,1,2-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
Trichloroethene	18.1		µg/kg wet		20.0		91	70-130		
Trichlorofluoromethane (Freon 11)	19.1		µg/kg wet		20.0		96	70-130		
1,2,3-Trichloropropane	20.3		µg/kg wet		20.0		102	70-130		
1,2,4-Trimethylbenzene	21.3		µg/kg wet		20.0		106	70-130		
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Vinyl chloride	17.2		µg/kg wet		20.0		86	70-130		
m,p-Xylene	39.4		µg/kg wet		40.0		99	70-130		
o-Xylene	20.3		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	20.2		µg/kg wet		20.0		101	70-130		
Ethyl ether	20.0		µg/kg wet		20.0		100	70-130		
Tert-amyl methyl ether	19.3		µg/kg wet		20.0		97	70-130		
Ethyl tert-butyl ether	16.9		µg/kg wet		20.0		85	70-130		
Di-isopropyl ether	18.1		µg/kg wet		20.0		91	70-130		
Tert-Butanol / butyl alcohol	157		µg/kg wet		200		79	70-130		
1,4-Dioxane	159		µg/kg wet		200		79	70-130		
trans-1,4-Dichloro-2-butene	18.1		µg/kg wet		20.0		90	70-130		
Ethanol	398		µg/kg wet		400		99	70-130		
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*49.0*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS Dup (1116259-BSD1)					Prepared & Analyzed: 15-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.2		µg/kg wet		20.0		96	70-130	3	25
Acetone	25.1		µg/kg wet		20.0		125	70-130	10	50
Acrylonitrile	18.3		µg/kg wet		20.0		91	70-130	7	25
Benzene	19.5		µg/kg wet		20.0		97	70-130	3	25
Bromobenzene	20.6		µg/kg wet		20.0		103	70-130	2	25
Bromochloromethane	20.1		µg/kg wet		20.0		100	70-130	2	25
Bromodichloromethane	19.3		µg/kg wet		20.0		96	70-130	3	25
Bromoform	20.1		µg/kg wet		20.0		100	70-130	3	25
Bromomethane	20.6		µg/kg wet		20.0		103	70-130	9	50
2-Butanone (MEK)	15.8		µg/kg wet		20.0		79	70-130	7	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116259 - SW846 5035A Soil (low level)										
LCS Dup (1116259-BSD1)					Prepared & Analyzed: 15-Aug-11					
n-Butylbenzene	19.8		µg/kg wet		20.0		99	70-130	3	25
sec-Butylbenzene	20.9		µg/kg wet		20.0		105	70-130	1	25
tert-Butylbenzene	21.1		µg/kg wet		20.0		105	70-130	4	25
Carbon disulfide	19.3		µg/kg wet		20.0		96	70-130	4	25
Carbon tetrachloride	18.6		µg/kg wet		20.0		93	70-130	4	25
Chlorobenzene	20.1		µg/kg wet		20.0		100	70-130	4	25
Chloroethane	19.2		µg/kg wet		20.0		96	70-130	5	50
Chloroform	18.2		µg/kg wet		20.0		91	70-130	1	25
Chloromethane	17.4		µg/kg wet		20.0		87	70-130	2	25
2-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130	2	25
4-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130	2	25
1,2-Dibromo-3-chloropropane	18.6		µg/kg wet		20.0		93	70-130	16	25
Dibromochloromethane	19.7		µg/kg wet		20.0		99	70-130	3	50
1,2-Dibromoethane (EDB)	18.8		µg/kg wet		20.0		94	70-130	8	25
Dibromomethane	19.1		µg/kg wet		20.0		96	70-130	2	25
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	0.5	25
1,3-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	1	25
1,4-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	3	25
Dichlorodifluoromethane (Freon12)	19.1		µg/kg wet		20.0		95	70-130	1	50
1,1-Dichloroethane	18.3		µg/kg wet		20.0		92	70-130	2	25
1,2-Dichloroethane	18.3		µg/kg wet		20.0		91	70-130	2	25
1,1-Dichloroethene	19.7		µg/kg wet		20.0		98	70-130	5	25
cis-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	5	25
trans-1,2-Dichloroethene	19.0		µg/kg wet		20.0		95	70-130	5	25
1,2-Dichloropropane	19.3		µg/kg wet		20.0		96	70-130	3	25
1,3-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130	3	25
2,2-Dichloropropane	16.5		µg/kg wet		20.0		83	70-130	5	25
1,1-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	0.2	25
cis-1,3-Dichloropropene	17.9		µg/kg wet		20.0		89	70-130	0.9	25
trans-1,3-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130	0.3	25
Ethylbenzene	20.2		µg/kg wet		20.0		101	70-130	2	25
Hexachlorobutadiene	19.4		µg/kg wet		20.0		97	70-130	5	50
2-Hexanone (MBK)	16.0		µg/kg wet		20.0		80	70-130	10	25
Isopropylbenzene	20.3		µg/kg wet		20.0		102	70-130	2	25
4-Isopropyltoluene	20.1		µg/kg wet		20.0		101	70-130	4	25
Methyl tert-butyl ether	17.6		µg/kg wet		20.0		88	70-130	1	25
4-Methyl-2-pentanone (MIBK)	18.2		µg/kg wet		20.0		91	70-130	1	50
Methylene chloride	20.0		µg/kg wet		20.0		100	70-130	1	25
Naphthalene	17.2		µg/kg wet		20.0		86	70-130	3	25
n-Propylbenzene	20.7		µg/kg wet		20.0		104	70-130	3	25
Styrene	20.4		µg/kg wet		20.0		102	70-130	6	25
1,1,1,2-Tetrachloroethane	19.5		µg/kg wet		20.0		97	70-130	2	25
1,1,2,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130	1	25
Toluene	18.8		µg/kg wet		20.0		94	70-130	3	25
1,2,3-Trichlorobenzene	18.4		µg/kg wet		20.0		92	70-130	0.2	25
1,2,4-Trichlorobenzene	16.9		µg/kg wet		20.0		84	70-130	2	25
1,3,5-Trichlorobenzene	20.1		µg/kg wet		20.0		100	70-130	2	25
1,1,1-Trichloroethane	18.4		µg/kg wet		20.0		92	70-130	3	25
1,1,2-Trichloroethane	19.3		µg/kg wet		20.0		96	70-130	0.7	25
Trichloroethene	18.8		µg/kg wet		20.0		94	70-130	4	25
Trichlorofluoromethane (Freon 11)	20.2		µg/kg wet		20.0		101	70-130	5	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116259 - SW846 5035A Soil (low level)										
LCS Dup (1116259-BSD1)					Prepared & Analyzed: 15-Aug-11					
1,2,3-Trichloropropane	20.0		µg/kg wet		20.0		100	70-130	2	25
1,2,4-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130	0.2	25
1,3,5-Trimethylbenzene	21.0		µg/kg wet		20.0		105	70-130	3	25
Vinyl chloride	19.1		µg/kg wet		20.0		95	70-130	11	25
m,p-Xylene	41.7		µg/kg wet		40.0		104	70-130	6	25
o-Xylene	21.5		µg/kg wet		20.0		108	70-130	6	25
Tetrahydrofuran	16.9		µg/kg wet		20.0		85	70-130	18	25
Ethyl ether	19.8		µg/kg wet		20.0		99	70-130	0.9	50
Tert-amyl methyl ether	19.1		µg/kg wet		20.0		95	70-130	1	25
Ethyl tert-butyl ether	16.7		µg/kg wet		20.0		83	70-130	1	25
Di-isopropyl ether	18.1		µg/kg wet		20.0		90	70-130	0.2	25
Tert-Butanol / butyl alcohol	139	QM9	µg/kg wet		200		69	70-130	12	25
1,4-Dioxane	134		µg/kg wet		200		67	70-130	17	25
trans-1,4-Dichloro-2-butene	15.7		µg/kg wet		20.0		78	70-130	14	25
Ethanol	359		µg/kg wet		400		90	70-130	10	30
Surrogate: 4-Bromofluorobenzene	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
Batch 1116393 - SW846 5030 Soil (high level)										
Blank (1116393-BLK1)					Prepared & Analyzed: 16-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/kg wet	50.0						
Acetone	BRL		µg/kg wet	500						
Acrylonitrile	BRL		µg/kg wet	50.0						
Benzene	BRL		µg/kg wet	50.0						
Bromobenzene	BRL		µg/kg wet	50.0						
Bromochloromethane	BRL		µg/kg wet	50.0						
Bromodichloromethane	BRL		µg/kg wet	50.0						
Bromoform	BRL		µg/kg wet	50.0						
Bromomethane	BRL		µg/kg wet	100						
2-Butanone (MEK)	BRL		µg/kg wet	500						
n-Butylbenzene	BRL		µg/kg wet	50.0						
sec-Butylbenzene	BRL		µg/kg wet	50.0						
tert-Butylbenzene	BRL		µg/kg wet	50.0						
Carbon disulfide	BRL		µg/kg wet	100						
Carbon tetrachloride	BRL		µg/kg wet	50.0						
Chlorobenzene	BRL		µg/kg wet	50.0						
Chloroethane	BRL		µg/kg wet	100						
Chloroform	BRL		µg/kg wet	50.0						
Chloromethane	BRL		µg/kg wet	100						
2-Chlorotoluene	BRL		µg/kg wet	50.0						
4-Chlorotoluene	BRL		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	BRL		µg/kg wet	100						
Dibromochloromethane	BRL		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	BRL		µg/kg wet	50.0						
Dibromomethane	BRL		µg/kg wet	50.0						
1,2-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,3-Dichlorobenzene	BRL		µg/kg wet	50.0						
1,4-Dichlorobenzene	BRL		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/kg wet	100						
1,1-Dichloroethane	BRL		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116393 - SW846 5030 Soil (high level)										
Blank (1116393-BLK1)					Prepared & Analyzed: 16-Aug-11					
1,2-Dichloroethane	BRL		µg/kg wet	50.0						
1,1-Dichloroethene	BRL		µg/kg wet	50.0						
cis-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
trans-1,2-Dichloroethene	BRL		µg/kg wet	50.0						
1,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,3-Dichloropropane	BRL		µg/kg wet	50.0						
2,2-Dichloropropane	BRL		µg/kg wet	50.0						
1,1-Dichloropropene	BRL		µg/kg wet	50.0						
cis-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
trans-1,3-Dichloropropene	BRL		µg/kg wet	50.0						
Ethylbenzene	BRL		µg/kg wet	50.0						
Hexachlorobutadiene	BRL		µg/kg wet	50.0						
2-Hexanone (MBK)	BRL		µg/kg wet	500						
Isopropylbenzene	BRL		µg/kg wet	50.0						
4-Isopropyltoluene	BRL		µg/kg wet	50.0						
Methyl tert-butyl ether	BRL		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/kg wet	500						
Methylene chloride	BRL		µg/kg wet	100						
Naphthalene	BRL		µg/kg wet	50.0						
n-Propylbenzene	BRL		µg/kg wet	50.0						
Styrene	BRL		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	BRL		µg/kg wet	50.0						
Tetrachloroethene	BRL		µg/kg wet	50.0						
Toluene	BRL		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	BRL		µg/kg wet	50.0						
1,1,1-Trichloroethane	BRL		µg/kg wet	50.0						
1,1,2-Trichloroethane	BRL		µg/kg wet	50.0						
Trichloroethene	BRL		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/kg wet	50.0						
1,2,3-Trichloropropane	BRL		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	BRL		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	BRL		µg/kg wet	50.0						
Vinyl chloride	BRL		µg/kg wet	50.0						
m,p-Xylene	BRL		µg/kg wet	100						
o-Xylene	BRL		µg/kg wet	50.0						
Tetrahydrofuran	BRL		µg/kg wet	100						
Ethyl ether	BRL		µg/kg wet	50.0						
Tert-amyl methyl ether	BRL		µg/kg wet	50.0						
Ethyl tert-butyl ether	BRL		µg/kg wet	50.0						
Di-isopropyl ether	BRL		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	BRL		µg/kg wet	500						
1,4-Dioxane	BRL		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	BRL		µg/kg wet	250						
Ethanol	BRL		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*30.9*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.2*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116393 - SW846 5030 Soil (high level)										
LCS (1116393-BS1)						Prepared & Analyzed: 16-Aug-11				
1,1,2-Trichlorotrifluoroethane (Freon 113)	16.9		µg/kg wet		20.0		84	70-130		
Acetone	21.4		µg/kg wet		20.0		107	70-130		
Acrylonitrile	21.2		µg/kg wet		20.0		106	70-130		
Benzene	20.9		µg/kg wet		20.0		105	70-130		
Bromobenzene	22.9		µg/kg wet		20.0		114	70-130		
Bromochloromethane	23.0		µg/kg wet		20.0		115	70-130		
Bromodichloromethane	25.6		µg/kg wet		20.0		128	70-130		
Bromoform	27.7	QC2	µg/kg wet		20.0		139	70-130		
Bromomethane	20.1		µg/kg wet		20.0		100	70-130		
2-Butanone (MEK)	20.7		µg/kg wet		20.0		103	70-130		
n-Butylbenzene	19.5		µg/kg wet		20.0		97	70-130		
sec-Butylbenzene	20.8		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	22.1		µg/kg wet		20.0		110	70-130		
Carbon disulfide	26.5	QM9	µg/kg wet		20.0		133	70-130		
Carbon tetrachloride	21.8		µg/kg wet		20.0		109	70-130		
Chlorobenzene	21.3		µg/kg wet		20.0		107	70-130		
Chloroethane	20.2		µg/kg wet		20.0		101	70-130		
Chloroform	19.9		µg/kg wet		20.0		100	70-130		
Chloromethane	20.6		µg/kg wet		20.0		103	70-130		
2-Chlorotoluene	20.5		µg/kg wet		20.0		102	70-130		
4-Chlorotoluene	21.7		µg/kg wet		20.0		108	70-130		
1,2-Dibromo-3-chloropropane	24.8		µg/kg wet		20.0		124	70-130		
Dibromochloromethane	25.0		µg/kg wet		20.0		125	70-130		
1,2-Dibromoethane (EDB)	23.8		µg/kg wet		20.0		119	70-130		
Dibromomethane	22.7		µg/kg wet		20.0		114	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	21.9		µg/kg wet		20.0		109	70-130		
1,4-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	15.2		µg/kg wet		20.0		76	70-130		
1,1-Dichloroethane	22.0		µg/kg wet		20.0		110	70-130		
1,2-Dichloroethane	20.9		µg/kg wet		20.0		105	70-130		
1,1-Dichloroethene	19.5		µg/kg wet		20.0		97	70-130		
cis-1,2-Dichloroethene	21.5		µg/kg wet		20.0		107	70-130		
trans-1,2-Dichloroethene	21.1		µg/kg wet		20.0		105	70-130		
1,2-Dichloropropane	22.1		µg/kg wet		20.0		110	70-130		
1,3-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130		
2,2-Dichloropropane	27.4	QC2	µg/kg wet		20.0		137	70-130		
1,1-Dichloropropene	20.7		µg/kg wet		20.0		103	70-130		
cis-1,3-Dichloropropene	27.5	QC2	µg/kg wet		20.0		137	70-130		
trans-1,3-Dichloropropene	27.7	QC2	µg/kg wet		20.0		139	70-130		
Ethylbenzene	21.7		µg/kg wet		20.0		108	70-130		
Hexachlorobutadiene	19.0		µg/kg wet		20.0		95	70-130		
2-Hexanone (MBK)	21.9		µg/kg wet		20.0		109	70-130		
Isopropylbenzene	20.3		µg/kg wet		20.0		102	70-130		
4-Isopropyltoluene	20.8		µg/kg wet		20.0		104	70-130		
Methyl tert-butyl ether	23.4		µg/kg wet		20.0		117	70-130		
4-Methyl-2-pentanone (MIBK)	22.2		µg/kg wet		20.0		111	70-130		
Methylene chloride	20.9		µg/kg wet		20.0		105	70-130		
Naphthalene	20.0		µg/kg wet		20.0		100	70-130		
n-Propylbenzene	21.9		µg/kg wet		20.0		110	70-130		
Styrene	20.5		µg/kg wet		20.0		102	70-130		
1,1,1,2-Tetrachloroethane	24.7		µg/kg wet		20.0		123	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116393 - SW846 5030 Soil (high level)										
LCS (1116393-BS1)					Prepared & Analyzed: 16-Aug-11					
1,1,2,2-Tetrachloroethane	18.5		µg/kg wet		20.0		92	70-130		
Tetrachloroethene	21.2		µg/kg wet		20.0		106	70-130		
Toluene	21.0		µg/kg wet		20.0		105	70-130		
1,2,3-Trichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
1,2,4-Trichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,3,5-Trichlorobenzene	21.3		µg/kg wet		20.0		107	70-130		
1,1,1-Trichloroethane	23.2		µg/kg wet		20.0		116	70-130		
1,1,2-Trichloroethane	22.1		µg/kg wet		20.0		111	70-130		
Trichloroethene	21.5		µg/kg wet		20.0		107	70-130		
Trichlorofluoromethane (Freon 11)	16.9		µg/kg wet		20.0		85	70-130		
1,2,3-Trichloropropane	21.0		µg/kg wet		20.0		105	70-130		
1,2,4-Trimethylbenzene	23.4		µg/kg wet		20.0		117	70-130		
1,3,5-Trimethylbenzene	23.3		µg/kg wet		20.0		117	70-130		
Vinyl chloride	16.1		µg/kg wet		20.0		81	70-130		
m,p-Xylene	44.3		µg/kg wet		40.0		111	70-130		
o-Xylene	22.6		µg/kg wet		20.0		113	70-130		
Tetrahydrofuran	25.3		µg/kg wet		20.0		126	70-130		
Ethyl ether	21.1		µg/kg wet		20.0		105	70-130		
Tert-amyl methyl ether	27.5	QC2	µg/kg wet		20.0		137	70-130		
Ethyl tert-butyl ether	24.6		µg/kg wet		20.0		123	70-130		
Di-isopropyl ether	22.6		µg/kg wet		20.0		113	70-130		
Tert-Butanol / butyl alcohol	252		µg/kg wet		200		126	70-130		
1,4-Dioxane	245		µg/kg wet		200		123	70-130		
trans-1,4-Dichloro-2-butene	21.2		µg/kg wet		20.0		106	70-130		
Ethanol	413		µg/kg wet		400		103	70-130		
Surrogate: 4-Bromofluorobenzene	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
LCS Dup (1116393-BSD1)					Prepared & Analyzed: 16-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.5		µg/kg wet		20.0		88	70-130	4	25
Acetone	22.0		µg/kg wet		20.0		110	70-130	2	50
Acrylonitrile	21.4		µg/kg wet		20.0		107	70-130	1	25
Benzene	20.6		µg/kg wet		20.0		103	70-130	1	25
Bromobenzene	23.2		µg/kg wet		20.0		116	70-130	1	25
Bromochloromethane	22.7		µg/kg wet		20.0		113	70-130	1	25
Bromodichloromethane	25.1		µg/kg wet		20.0		125	70-130	2	25
Bromoform	27.0	QC2	µg/kg wet		20.0		135	70-130	3	25
Bromomethane	19.2		µg/kg wet		20.0		96	70-130	4	50
2-Butanone (MEK)	21.4		µg/kg wet		20.0		107	70-130	4	50
n-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130	3	25
sec-Butylbenzene	21.6		µg/kg wet		20.0		108	70-130	4	25
tert-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130	2	25
Carbon disulfide	25.9		µg/kg wet		20.0		129	70-130	2	25
Carbon tetrachloride	21.9		µg/kg wet		20.0		109	70-130	0.5	25
Chlorobenzene	21.0		µg/kg wet		20.0		105	70-130	1	25
Chloroethane	19.9		µg/kg wet		20.0		100	70-130	2	50
Chloroform	19.7		µg/kg wet		20.0		98	70-130	1	25
Chloromethane	22.3		µg/kg wet		20.0		112	70-130	8	25
2-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130	1	25
4-Chlorotoluene	22.1		µg/kg wet		20.0		111	70-130	2	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116393 - SW846 5030 Soil (high level)										
LCS Dup (1116393-BSD1)					Prepared & Analyzed: 16-Aug-11					
1,2-Dibromo-3-chloropropane	23.8		µg/kg wet		20.0		119	70-130	4	25
Dibromochloromethane	25.6		µg/kg wet		20.0		128	70-130	2	50
1,2-Dibromoethane (EDB)	23.3		µg/kg wet		20.0		116	70-130	2	25
Dibromomethane	22.5		µg/kg wet		20.0		112	70-130	1	25
1,2-Dichlorobenzene	20.9		µg/kg wet		20.0		105	70-130	1	25
1,3-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130	2	25
1,4-Dichlorobenzene	19.5		µg/kg wet		20.0		97	70-130	0.3	25
Dichlorodifluoromethane (Freon12)	15.7		µg/kg wet		20.0		78	70-130	3	50
1,1-Dichloroethane	21.4		µg/kg wet		20.0		107	70-130	3	25
1,2-Dichloroethane	20.7		µg/kg wet		20.0		103	70-130	1	25
1,1-Dichloroethene	19.5		µg/kg wet		20.0		97	70-130	0	25
cis-1,2-Dichloroethene	21.3		µg/kg wet		20.0		106	70-130	0.9	25
trans-1,2-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130	2	25
1,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130	2	25
1,3-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130	1	25
2,2-Dichloropropane	28.1	QC2	µg/kg wet		20.0		141	70-130	3	25
1,1-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130	3	25
cis-1,3-Dichloropropene	28.0	QC2	µg/kg wet		20.0		140	70-130	2	25
trans-1,3-Dichloropropene	29.5	QC2	µg/kg wet		20.0		148	70-130	6	25
Ethylbenzene	21.6		µg/kg wet		20.0		108	70-130	0.2	25
Hexachlorobutadiene	21.7		µg/kg wet		20.0		108	70-130	13	50
2-Hexanone (MBK)	22.8		µg/kg wet		20.0		114	70-130	4	25
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130	0.4	25
4-Isopropyltoluene	21.1		µg/kg wet		20.0		106	70-130	1	25
Methyl tert-butyl ether	22.5		µg/kg wet		20.0		112	70-130	4	25
4-Methyl-2-pentanone (MIBK)	22.5		µg/kg wet		20.0		112	70-130	1	50
Methylene chloride	20.4		µg/kg wet		20.0		102	70-130	3	25
Naphthalene	20.9		µg/kg wet		20.0		105	70-130	4	25
n-Propylbenzene	22.4		µg/kg wet		20.0		112	70-130	2	25
Styrene	20.9		µg/kg wet		20.0		104	70-130	2	25
1,1,1,2-Tetrachloroethane	25.1		µg/kg wet		20.0		125	70-130	2	25
1,1,2,2-Tetrachloroethane	18.6		µg/kg wet		20.0		93	70-130	0.6	25
Tetrachloroethene	21.4		µg/kg wet		20.0		107	70-130	1	25
Toluene	20.9		µg/kg wet		20.0		104	70-130	0.6	25
1,2,3-Trichlorobenzene	23.1		µg/kg wet		20.0		116	70-130	11	25
1,2,4-Trichlorobenzene	23.2		µg/kg wet		20.0		116	70-130	11	25
1,3,5-Trichlorobenzene	22.5		µg/kg wet		20.0		112	70-130	5	25
1,1,1-Trichloroethane	23.0		µg/kg wet		20.0		115	70-130	0.7	25
1,1,2-Trichloroethane	21.8		µg/kg wet		20.0		109	70-130	1	25
Trichloroethene	21.5		µg/kg wet		20.0		108	70-130	0.2	25
Trichlorofluoromethane (Freon 11)	17.1		µg/kg wet		20.0		86	70-130	1	50
1,2,3-Trichloropropane	21.2		µg/kg wet		20.0		106	70-130	0.8	25
1,2,4-Trimethylbenzene	23.8		µg/kg wet		20.0		119	70-130	2	25
1,3,5-Trimethylbenzene	23.5		µg/kg wet		20.0		117	70-130	0.8	25
Vinyl chloride	17.9		µg/kg wet		20.0		89	70-130	10	25
m,p-Xylene	44.5		µg/kg wet		40.0		111	70-130	0.6	25
o-Xylene	22.6		µg/kg wet		20.0		113	70-130	0.09	25
Tetrahydrofuran	25.5		µg/kg wet		20.0		127	70-130	0.7	25
Ethyl ether	21.9		µg/kg wet		20.0		109	70-130	4	50
Tert-amyl methyl ether	26.9	QC2	µg/kg wet		20.0		135	70-130	2	25
Ethyl tert-butyl ether	24.4		µg/kg wet		20.0		122	70-130	0.7	25
Di-isopropyl ether	22.2		µg/kg wet		20.0		111	70-130	2	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116393 - SW846 5030 Soil (high level)										
LCS Dup (1116393-BSD1)					Prepared & Analyzed: 16-Aug-11					
Tert-Butanol / butyl alcohol	250		µg/kg wet		200		125	70-130	0.9	25
1,4-Dioxane	232		µg/kg wet		200		116	70-130	5	25
trans-1,4-Dichloro-2-butene	21.2		µg/kg wet		20.0		106	70-130	0.4	25
Ethanol	433		µg/kg wet		400		108	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*31.9*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*31.2*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.4*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Dibromofluoromethane	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115751 - SW846 3545A										
Blank (1115751-BLK1)						Prepared & Analyzed: 09-Aug-11				
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	*857*		µg/kg wet		*1670*		*51*	*30-130*		
Surrogate: Terphenyl-dl4	*839*		µg/kg wet		*1670*		*50*	*30-130*		
LCS (1115751-BS1)						Prepared & Analyzed: 09-Aug-11				
Acenaphthene	1000		µg/kg wet	165	1670		60	40-140		
Acenaphthylene	1020		µg/kg wet	165	1670		61	40-140		
Anthracene	902		µg/kg wet	165	1670		54	40-140		
Benzo (a) anthracene	1130		µg/kg wet	165	1670		68	40-140		
Benzo (a) pyrene	1050		µg/kg wet	165	1670		63	40-140		
Benzo (b) fluoranthene	1140		µg/kg wet	165	1670		68	40-140		
Benzo (g,h,i) perylene	1030		µg/kg wet	165	1670		62	40-140		
Benzo (k) fluoranthene	854		µg/kg wet	165	1670		51	40-140		
Chrysene	982		µg/kg wet	165	1670		59	40-140		
Dibenzo (a,h) anthracene	1090		µg/kg wet	165	1670		66	40-140		
Fluoranthene	992		µg/kg wet	165	1670		60	40-140		
Fluorene	973		µg/kg wet	165	1670		58	40-140		
Indeno (1,2,3-cd) pyrene	1010		µg/kg wet	165	1670		60	40-140		
1-Methylnaphthalene	986		µg/kg wet	165	1670		59	40-140		
2-Methylnaphthalene	970		µg/kg wet	165	1670		58	40-140		
Naphthalene	892		µg/kg wet	165	1670		53	40-140		
Phenanthrene	1050		µg/kg wet	165	1670		63	40-140		
Pyrene	1040		µg/kg wet	165	1670		62	40-140		
Surrogate: 2-Fluorobiphenyl	*1080*		µg/kg wet		*1670*		*65*	*30-130*		
Surrogate: Terphenyl-dl4	*989*		µg/kg wet		*1670*		*59*	*30-130*		
Duplicate (1115751-DUP1)			**Source: SB33042-01**			Prepared & Analyzed: 09-Aug-11				
Acenaphthene	BRL		µg/kg dry	175		BRL				50
Acenaphthylene	BRL		µg/kg dry	175		BRL				50
Anthracene	BRL		µg/kg dry	175		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	175		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	175		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	175		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	175		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	175		BRL				50
Chrysene	BRL		µg/kg dry	175		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115751 - SW846 3545A										
Duplicate (1115751-DUP1)			**Source: SB33042-01**		Prepared & Analyzed: 09-Aug-11					
Dibenzo (a,h) anthracene	BRL		µg/kg dry	175		BRL				50
Fluoranthene	BRL		µg/kg dry	175		BRL				50
Fluorene	BRL		µg/kg dry	175		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	175		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	175		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	175		BRL				50
Naphthalene	BRL		µg/kg dry	175		BRL				50
Phenanthrene	BRL		µg/kg dry	175		BRL				50
Pyrene	BRL		µg/kg dry	175		BRL				50
Surrogate: 2-Fluorobiphenyl	*1090*		µg/kg dry		*1760*		*62*	*30-130*		
Surrogate: Terphenyl-dl4	*1140*		µg/kg dry		*1760*		*65*	*30-130*		
Matrix Spike (1115751-MS1)			**Source: SB33042-01**		Prepared & Analyzed: 09-Aug-11					
Acenaphthene	1120		µg/kg dry	176	1770	BRL	63	40-140		
Acenaphthylene	1110		µg/kg dry	176	1770	BRL	63	40-140		
Anthracene	1010		µg/kg dry	176	1770	BRL	57	40-140		
Benzo (a) anthracene	1230		µg/kg dry	176	1770	BRL	69	40-140		
Benzo (a) pyrene	1230		µg/kg dry	176	1770	BRL	69	40-140		
Benzo (b) fluoranthene	1070		µg/kg dry	176	1770	BRL	60	40-140		
Benzo (g,h,i) perylene	1180		µg/kg dry	176	1770	BRL	66	40-140		
Benzo (k) fluoranthene	1330		µg/kg dry	176	1770	BRL	75	40-140		
Chrysene	1170		µg/kg dry	176	1770	BRL	66	30-130		
Dibenzo (a,h) anthracene	1250		µg/kg dry	176	1770	BRL	71	30-130		
Fluoranthene	1120		µg/kg dry	176	1770	BRL	63	40-140		
Fluorene	1090		µg/kg dry	176	1770	BRL	61	40-140		
Indeno (1,2,3-cd) pyrene	1200		µg/kg dry	176	1770	BRL	68	40-140		
1-Methylnaphthalene	1120		µg/kg dry	176	1770	BRL	63	40-140		
2-Methylnaphthalene	1080		µg/kg dry	176	1770	BRL	61	40-140		
Naphthalene	999		µg/kg dry	176	1770	BRL	56	40-140		
Phenanthrene	1160		µg/kg dry	176	1770	BRL	65	40-140		
Pyrene	1200		µg/kg dry	176	1770	BRL	68	40-140		
Surrogate: 2-Fluorobiphenyl	*1170*		µg/kg dry		*1770*		*66*	*30-130*		
Surrogate: Terphenyl-dl4	*1140*		µg/kg dry		*1770*		*64*	*30-130*		
Matrix Spike Dup (1115751-MSD1)			**Source: SB33042-01**		Prepared & Analyzed: 09-Aug-11					
Acenaphthene	1030		µg/kg dry	176	1770	BRL	58	40-140	8	30
Acenaphthylene	1020		µg/kg dry	176	1770	BRL	58	40-140	9	30
Anthracene	918		µg/kg dry	176	1770	BRL	52	40-140	10	30
Benzo (a) anthracene	1110		µg/kg dry	176	1770	BRL	62	40-140	10	30
Benzo (a) pyrene	1080		µg/kg dry	176	1770	BRL	61	40-140	13	30
Benzo (b) fluoranthene	994		µg/kg dry	176	1770	BRL	56	40-140	7	30
Benzo (g,h,i) perylene	1050		µg/kg dry	176	1770	BRL	59	40-140	11	30
Benzo (k) fluoranthene	1060		µg/kg dry	176	1770	BRL	60	40-140	23	30
Chrysene	1020		µg/kg dry	176	1770	BRL	58	30-130	14	30
Dibenzo (a,h) anthracene	1120		µg/kg dry	176	1770	BRL	63	30-130	11	30
Fluoranthene	1000		µg/kg dry	176	1770	BRL	57	40-140	11	30
Fluorene	981		µg/kg dry	176	1770	BRL	55	40-140	11	30
Indeno (1,2,3-cd) pyrene	1080		µg/kg dry	176	1770	BRL	61	40-140	10	30
1-Methylnaphthalene	975		µg/kg dry	176	1770	BRL	55	40-140	14	30
2-Methylnaphthalene	977		µg/kg dry	176	1770	BRL	55	40-140	10	30
Naphthalene	897		µg/kg dry	176	1770	BRL	51	40-140	11	30
Phenanthrene	1090		µg/kg dry	176	1770	BRL	61	40-140	6	30
Pyrene	1050		µg/kg dry	176	1770	BRL	59	40-140	13	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115751 - SW846 3545A										
Matrix Spike Dup (1115751-MSD1)			**Source: SB33042-01**		Prepared & Analyzed: 09-Aug-11					
Surrogate: 2-Fluorobiphenyl	*1060*		µg/kg dry		*1770*		*60*	*30-130*		
Surrogate: Terphenyl-dl4	*1010*		µg/kg dry		*1770*		*57*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115750 - SW846 3545A										
Blank (1115750-BLK1)						Prepared & Analyzed: 09-Aug-11				
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						
Diesel Range Organics (DRO)	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.21*		mg/kg wet		*3.33*		*66*	*40-140*		
LCS (1115750-BS2)						Prepared & Analyzed: 09-Aug-11				
Fuel Oil #2	566		mg/kg wet	13.3	667		85	40-140		
Surrogate: 1-Chlorooctadecane	*3.39*		mg/kg wet		*3.33*		*102*	*40-140*		
Duplicate (1115750-DUP2)			**Source: SB33042-06**			Prepared & Analyzed: 09-Aug-11				
Fuel Oil #2	BRL		mg/kg dry	27.5		BRL				50
Fuel Oil #4	BRL		mg/kg dry	27.5		BRL				50
Fuel Oil #6	BRL		mg/kg dry	27.5		BRL				50
Motor Oil	BRL		mg/kg dry	27.5		BRL				50
Aviation Fuel	BRL		mg/kg dry	27.5		BRL				50
Unidentified	BRL		mg/kg dry	27.5		BRL				50
Other Oil	BRL		mg/kg dry	27.5		BRL				50
Diesel Range Organics (DRO)	BRL		mg/kg dry	27.5		BRL				50
Surrogate: 1-Chlorooctadecane	*2.89*		mg/kg dry		*3.45*		*84*	*40-140*		
Matrix Spike (1115750-MS2)			**Source: SB33042-06**			Prepared & Analyzed: 09-Aug-11				
Diesel Range Organics (DRO)	542		mg/kg dry	13.7	687	BRL	79	40-140		
Surrogate: 1-Chlorooctadecane	*3.57*		mg/kg dry		*3.44*		*104*	*40-140*		
Matrix Spike Dup (1115750-MSD2)			**Source: SB33042-06**			Prepared & Analyzed: 09-Aug-11				
Diesel Range Organics (DRO)	571		mg/kg dry	14.0	700	BRL	82	40-140	3	200
Surrogate: 1-Chlorooctadecane	*3.28*		mg/kg dry		*3.50*		*94*	*40-140*		

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 1115732 - EPA200/SW7000 Series										
Blank (1115732-BLK1)						Prepared: 08-Aug-11	Analyzed: 09-Aug-11			
Mercury	BRL		mg/kg wet	0.0281						
Duplicate (1115732-DUP1)			**Source: SB33042-04**			Prepared: 08-Aug-11	Analyzed: 09-Aug-11			
Mercury	0.0154	J,QR8	mg/kg dry	0.0300		0.0253			48	20
Matrix Spike (1115732-MS1)			**Source: SB33042-04**			Prepared: 08-Aug-11	Analyzed: 09-Aug-11			
Mercury	0.525	QM8	mg/kg dry	0.142	0.393	0.0253	127	75-125		
Post Spike (1115732-PS1)			**Source: SB33042-04**			Prepared: 08-Aug-11	Analyzed: 09-Aug-11			
Mercury	0.525		mg/kg dry	0.150	0.416	0.0253	120	80-120		
Reference (1115732-SRM1)						Prepared: 08-Aug-11	Analyzed: 09-Aug-11			
Mercury	2.60		mg/kg wet	0.300	2.20		118	71.8-127.8		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1115731 - EPA 200 Series										
Blank (1115731-BLK1)					Prepared & Analyzed: 08-Aug-11					
Antimony	BRL		mg/kg wet	4.51						
Selenium	BRL		mg/kg wet	1.35						
Thallium	BRL		mg/kg wet	2.71						
Nickel	BRL		mg/kg wet	0.902						
Aluminum	BRL		mg/kg wet	4.51						
Silver	BRL		mg/kg wet	1.35						
Zinc	BRL		mg/kg wet	0.902						
Cadmium	BRL		mg/kg wet	0.451						
Copper	BRL		mg/kg wet	0.902						
Beryllium	BRL		mg/kg wet	0.451						
Arsenic	BRL		mg/kg wet	1.35						
Lead	BRL		mg/kg wet	1.35						
Chromium	BRL		mg/kg wet	0.902						
Duplicate (1115731-DUP1)			**Source: SB33042-04**		Prepared & Analyzed: 08-Aug-11					
Antimony	BRL		mg/kg dry	4.83		BRL				20
Nickel	8.28		mg/kg dry	0.967		8.51			3	20
Silver	BRL		mg/kg dry	1.45		1.03				20
Aluminum	1550		mg/kg dry	4.83		1600			3	20
Zinc	21.8		mg/kg dry	0.967		23.9			9	20
Selenium	BRL		mg/kg dry	1.45		0.492				20
Thallium	0.319	J	mg/kg dry	2.90		0.387			19	20
Arsenic	7.13		mg/kg dry	1.45		6.78			5	20
Beryllium	0.154	J	mg/kg dry	0.483		0.170			10	20
Cadmium	0.261	J	mg/kg dry	0.483		0.285			9	20
Chromium	4.04		mg/kg dry	0.967		4.62			13	20
Copper	18.8		mg/kg dry	0.967		21.6			14	20
Lead	7.83		mg/kg dry	1.45		7.30			7	20
Matrix Spike (1115731-MS1)			**Source: SB33042-04**		Prepared & Analyzed: 08-Aug-11					
Zinc	118		mg/kg dry	1.00	125	23.9	75	70-130		
Silver	112		mg/kg dry	1.50	125	1.03	88	70-130		
Aluminum	2880	QM2	mg/kg dry	5.02	125	1600	1020	70-130		
Antimony	111		mg/kg dry	5.02	125	BRL	88	70-130		
Selenium	108		mg/kg dry	1.50	125	0.492	85	70-130		
Thallium	131		mg/kg dry	3.01	125	0.387	104	70-130		
Nickel	108		mg/kg dry	1.00	125	8.51	79	70-130		
Arsenic	116		mg/kg dry	1.50	125	6.78	87	70-130		
Beryllium	111		mg/kg dry	0.502	125	0.170	88	70-130		
Cadmium	104		mg/kg dry	0.502	125	0.285	82	70-130		
Chromium	98.3		mg/kg dry	1.00	125	4.62	75	70-130		
Lead	105		mg/kg dry	1.50	125	7.30	78	70-130		
Copper	137		mg/kg dry	1.00	125	21.6	92	70-130		
Post Spike (1115731-PS1)			**Source: SB33042-04**		Prepared & Analyzed: 08-Aug-11					
Aluminum	1550	QM2	mg/kg dry	5.02	126	1600	-44	85-115		
Selenium	119		mg/kg dry	1.51	126	0.492	94	85-115		
Antimony	118		mg/kg dry	5.02	126	BRL	94	85-115		
Nickel	115		mg/kg dry	1.00	126	8.51	85	85-115		
Thallium	135		mg/kg dry	3.01	126	0.387	107	85-115		
Silver	110		mg/kg dry	1.51	126	1.03	87	85-115		
Beryllium	115		mg/kg dry	0.502	126	0.170	91	85-115		
Cadmium	110		mg/kg dry	0.502	126	0.285	87	85-115		
Copper	138		mg/kg dry	1.00	126	21.6	93	85-115		

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 1115731 - EPA 200 Series										
Post Spike (1115731-PS1)			**Source: SB33042-04**		Prepared & Analyzed: 08-Aug-11					
Lead	114		mg/kg dry	1.51	126	7.30	85	85-115		
Arsenic	125		mg/kg dry	1.51	126	6.78	94	85-115		
Reference (1115731-SRM1)					Prepared & Analyzed: 08-Aug-11					
Antimony	79.4		mg/kg wet	5.00	54.7		145	9.22-191.5		
Selenium	66.7		mg/kg wet	1.50	65.6		102	80.3-119.7		
Thallium	152		mg/kg wet	3.00	137		111	81.2-118.8		
Nickel	35.2		mg/kg wet	1.00	36.8		96	83.3-116.6		
Silver	21.3		mg/kg wet	1.50	21.2		101	66.1-133.7		
Zinc	133		mg/kg wet	1.00	145		92	82.1-117.9		
Aluminum	2880		mg/kg wet	5.00	4330		67	40.8-159.7		
Lead	37.5		mg/kg wet	1.50	39.3		95	83.6-116.5		
Arsenic	55.6		mg/kg wet	1.50	56.3		99	82.94-117.4		
Copper	60.0		mg/kg wet	1.00	60.4		99	83.7-116.2		
Chromium	58.0		mg/kg wet	1.00	60.4		96	81.7-117.9		
Cadmium	41.3		mg/kg wet	0.500	41.4		100	84-115.9		
Beryllium	48.4		mg/kg wet	0.500	45.5		106	83.8-115.6		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116268 - General Preparation										
Duplicate (1116268-DUP1)			**Source: SB33042-03**		Prepared & Analyzed: 15-Aug-11					
% Solids	94.2		%			94.3			0.08	20

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 182532A - 182532-601										
BLK (BA62817BLK)					Prepared: 11-Aug-11		Analyzed: 12-Aug-11			
Arsenic	BDL		mg/Kg	0.7				-		
DUP (BA62817DUP)					Prepared: 11-Aug-11		Analyzed: 12-Aug-11			
Arsenic	ND		mg/Kg				4.0	-	0	
DUP RPD (BA62817DUP RPD)					Prepared: 11-Aug-11		Analyzed: 12-Aug-11			
Arsenic	ND		mg/Kg				NC	-		
LCS (BA62817LCS)					Prepared: 11-Aug-11		Analyzed: 12-Aug-11			
Arsenic	ND		mg/Kg				89.2	75-125	2.0	
LCSD (BA62817LCSD)					Prepared: 11-Aug-11		Analyzed: 12-Aug-11			
Arsenic	ND		mg/Kg				87.4	75-125	2.0	
MSD (BA62817MSD)					Prepared: 11-Aug-11		Analyzed: 12-Aug-11			
Arsenic	ND		mg/Kg				83.1	75-125	0.5	
MS (MS)					Prepared: 11-Aug-11		Analyzed: 12-Aug-11			
Arsenic	ND		mg/Kg				82.7	75-125	0.5	

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
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.
VOC11	This compound was over the instrument calibration range and was not re-analyzed from the Methanol vial because a minimum 50x dilution factor is required. The dilution factor combined with reporting limit would mean the final concentration would be BRL.
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).

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:
Kimberly Wisk
Nicole Leja

JB 33042 BH ✓

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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #:
Project Mgr. John Zehren

Invoice To: ERM
(Same as left)

P.O. No.: RQN: MSA

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): S. Seekins, P. Diggins

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= None 11=

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

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

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 X/S Criter

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260L	VOCs 8260H	PAHs 8270	TPH 8015	PP13+A1					
						Containers:				Analyses:									
						List preservative code below:				9	7	10	10						
33042-01	SB-18-0-1-20110804-01	8/4/11	11:00	G	SO	3	2			X	X	X	X						DI Vials to be extracted
02	SB-19-1-2-20110804-01		12:20	G	SO	3	2			X	X		X	X					in house per N.L.
03	SB-19-2-3-20110804-01		12:25	G	SO	3	2			X	X		X	X					Hold
04	SB-20-1-2-20110804-01		1235	G	SO	3	2			X	X		X	X					
05	SB-20-2-3-20110804-01		1240	G	SO	3	2			X	X		X	X					Hold
06	SB-21-0-1-20110804-01		16:00	G	SO	3	2			X	X	X	X						
07	SB-22-5-6-20110804-01		16:30	G	SO	3	3			X	X	X	X						
08	SB-22-3-4-20110804-01		16:20	G	SO	3	2			X	X	X	X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/8/11	11:40	2.3
[signature]	Tanya [signature]	8/8/11	15:50	0

☐ EDD Format
☒ E-mail to John.zehren@erm.com

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

JB 33042 BH ✓

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CHAIN OF CUSTODY RECORD

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East Hartford, CT
Telephone #:
Project Mgr. John Zehren

Invoice To: ERM
(same as left)
P.O. No.: RQN: MSA

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): S. Seekins, P. Diggins

1=Na_2S2O_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= None 11=

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

G=Grab C=Composite

List preservative code below: 9 | 7 | 10 | 10

QA/QC Reporting Notes:
* additional charges may apply

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*
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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 L	VOCs 8260 H	PAHs 8270	TPH 8015	PP13+Al	Total Arsenic					State-specific reporting standards:
33042-01	SB-18-0-1-20110804-01	8/4/11	11:00	G	SO	3	2			X	X	X	X							DI vials to be extracted
02	SB-19-1-2-20110804-01		12:20	G	SO	3	2			X	X		X	X						in house per N.L.
03	SB-19-2-3-20110804-01		12:25	G	SO	3	2			X	X		X	X						Hold
04	SB-20-1-2-20110804-01		1235	G	SO	3	2			X	X		X	X						
05	SB-20-2-3-20110804-01		1240	G	SO	3	2			X	X		X	X						Hold
06	SB-21-0-1-20110804-01		16:00	G	SO	3	2			X	X	X	X		(+)					
07	SB-22-5-6-20110804-01		16:30	G	SO	3	3			X	X	X	X							(+) added per
08	~~SB22~~-3-4-20110804-01		16:20	G	SO	3	2			X	X	X	X							client email 8/10/11 DG

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/8/11	11:40	2.3
[signature]	Tanya [signature]	8/8/11	15:50	0

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Revised July 2010

JB 33042 BM ✓

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CHAIN OF CUSTODY RECORD

Page 1 of 1

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Telephone #:

Project Mgr. John Zehren

Invoice To: ERM
(same as left)

P.O. No.: RQN: MSA

Project No.: 0140857

Site Name: Project Green

Location: Bennington State: VT

Sampler(s): S. Seekins, P. Diggins

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8= $NaHSO_4$ 9= Deionized Water 10= None 11=

List preservative code below: 9 7 10 10

DW=Drinking Water GW=Groundwater WW=Wastewater
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QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes ☐ No ☐
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QA/QC Reporting Level
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Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260L	VOCs 8260H	PAHs 8270	TPH 8015	PP13+Al	Total Arsenic				State-specific reporting standards:
33042-01	SB-18-0-1-20110804-01	8/4/11	11:00	G	SO	3	2			x	x	x	x						DI Vials to be extracted
02	SB-19-1-2-20110804-01		12:20	G	SO	3	2			x	x		x	x					in house per N.L.
03	SB-19-2-3-20110804-01		12:25	G	SO	3	2			(x)	(x)		x	x					~~Hold~~
04	SB-20-1-2-20110804-01		1235	G	SO	3	2			x	x		x	x					
05	SB-20-2-3-20110804-01		1240	G	SO	3	2			(x)	(x)		x	x					~~Hold~~
06	SB-21-0-1-20110804-01		16:00	G	SO	3	2			x	x	x	x		(+)				
07	SB-22-5-6-20110804-01		16:30	G	SO	3	3			x	x	x	x						(+) added per
08	SB-22-3-4-20110804-01		16:20	G	SO	3	2			x	x	x	x						client email 8/10/11 DG
																			(x) added per client

Relinquished by:	Received by:	Date:	Time:	Temp°C
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HRS Reference #108 Page 356 of 546

Report Date:
12-Aug-11 17:31

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB33235-01	ERM03-20110810-01	Ground Water	10-Aug-11 09:00	11-Aug-11 09:30
SB33235-02	DUP-001-20110810-01	Ground Water	10-Aug-11 12:12	11-Aug-11 09:30
SB33235-03	TB-01-20110810-01	Ground Water	10-Aug-11 11:11	11-Aug-11 09:30
SB33235-04	ERM-02-20110810-01	Ground Water	10-Aug-11 10:30	11-Aug-11 09:30
SB33235-05	MW-01-20110810-01	Ground Water	10-Aug-11 11:45	11-Aug-11 09:30
SB33235-06	ERM-01-20110810-01	Ground Water	10-Aug-11 14:00	11-Aug-11 09:30
SB33235-07	MW-02-20110810-01	Ground Water	10-Aug-11 15:00	11-Aug-11 09:30
SB33235-08	SB-01-2-3-20110810-01	Soil	10-Aug-11 16:00	11-Aug-11 09:30
SB33235-09	SB-12-2-3-20110810-01	Soil	10-Aug-11 16:30	11-Aug-11 09:30

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:

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 33 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 samples were received 0.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. 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.

SW846 8260C

Calibration:

1106031

Analyte quantified by quadratic equation type calibration.

Acetone
Ethanol
Vinyl chloride

This affected the following samples:

1116139-BLK1
1116139-BS1
1116139-BSD1
DUP-001-20110810-01
ERM-01-20110810-01
ERM-02-20110810-01
ERM03-20110810-01
MW-01-20110810-01
MW-02-20110810-01
S105593-ICV1
S107118-CCV1
TB-01-20110810-01

Laboratory Control Samples:

1116139 BS/BSD

Bromomethane percent recoveries (134/125) 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:

DUP-001-20110810-01
ERM-01-20110810-01
ERM-02-20110810-01
ERM03-20110810-01
MW-01-20110810-01
MW-02-20110810-01
TB-01-20110810-01

Samples:

S107118-CCV1

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

2-Butanone (MEK) (-21.4%)

SW846 8260C

Samples:

S107118-CCV1

This affected the following samples:

1116139-BLK1
1116139-BS1
1116139-BSD1
DUP-001-20110810-01
ERM-01-20110810-01
ERM-02-20110810-01
ERM03-20110810-01
MW-01-20110810-01
MW-02-20110810-01
TB-01-20110810-01

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM03-20110810-01	0140857	Ground Water	10-Aug-11 09:00	11-Aug-11
SB33235-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM03-20110810-01	0140857	Ground Water	10-Aug-11 09:00	11-Aug-11
SB33235-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics Prepared by method SW846 3510C												
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM03-20110810-01	0140857	Ground Water	10-Aug-11 09:00	11-Aug-11
SB33235-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3510C												
M09800000	Motor Oil	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"	
	Unidentified	BRL		mg/l	0.2	1	"	"	"	"	"	
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	"	
	Diesel Range Organics (DRO)	BRL		mg/l	0.2	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*81*			*40-140 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP-001-20110810-01	0140857	Ground Water	10-Aug-11 12:12	11-Aug-11
SB33235-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP-001-20110810-01	0140857	Ground Water	10-Aug-11 12:12	11-Aug-11
SB33235-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics Prepared by method SW846 3510C												
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
DUP-001-20110810-01	0140857	Ground Water	10-Aug-11 12:12	11-Aug-11
SB33235-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3510C												
M09800000	Motor Oil	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"	
	Unidentified	BRL		mg/l	0.2	1	"	"	"	"	"	
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	"	
	Diesel Range Organics (DRO)	BRL		mg/l	0.2	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*89*			*40-140 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-01-20110810-01	0140857	Ground Water	10-Aug-11 11:11	11-Aug-11
SB33235-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB-01-20110810-01	0140857	Ground Water	10-Aug-11 11:11	11-Aug-11
SB33235-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-02-20110810-01	0140857	Ground Water	10-Aug-11 10:30	11-Aug-11
SB33235-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-02-20110810-01	0140857	Ground Water	10-Aug-11 10:30	11-Aug-11
SB33235-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics Prepared by method SW846 3510C												
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-02-20110810-01	0140857	Ground Water	10-Aug-11 10:30	11-Aug-11
SB33235-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics Prepared by method SW846 3510C												
M09800000	Motor Oil	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"	
	Unidentified	BRL		mg/l	0.2	1	"	"	"	"	"	
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	"	
	Diesel Range Organics (DRO)	BRL		mg/l	0.2	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*90*			*40-140 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-01-20110810-01	0140857	Ground Water	10-Aug-11 11:45	11-Aug-11
SB33235-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-01-20110810-01	0140857	Ground Water	10-Aug-11 11:45	11-Aug-11
SB33235-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics Prepared by method SW846 3510C												
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-01-20110810-01	0140857	Ground Water	10-Aug-11 11:45	11-Aug-11
SB33235-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics Prepared by method SW846 3510C												
M09800000	Motor Oil	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"	
	Unidentified	BRL		mg/l	0.2	1	"	"	"	"	"	
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	"	
	Diesel Range Organics (DRO)	BRL		mg/l	0.2	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*92*			*40-140 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-01-20110810-01	0140857	Ground Water	10-Aug-11 14:00	11-Aug-11
SB33235-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-01-20110810-01	0140857	Ground Water	10-Aug-11 14:00	11-Aug-11
SB33235-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*124*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*			*70-130 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-02-20110810-01	0140857	Ground Water	10-Aug-11 15:00	11-Aug-11
SB33235-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
67-64-1	Acetone	BRL		µg/l	10.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	BRL		µg/l	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-86-1	Bromobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	BRL		µg/l	2.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"	X
74-95-3	Dibromomethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-02-20110810-01	0140857	Ground Water	10-Aug-11 15:00	11-Aug-11
SB33235-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds												
Volatile Organic Compounds Prepared by method SW846 5030 Water MS												
99-87-6	4-Isopropyltoluene	BRL		µg/l	1.0	1	SW846 8260C	12-Aug-11	12-Aug-11	JRO	1116139	X
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"	X
75-09-2	Methylene chloride	BRL		µg/l	2.0	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/l	1.0	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
100-42-5	Styrene	BRL		µg/l	1.0	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	BRL		µg/l	2.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	BRL		µg/l	1.0	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	BRL		µg/l	20.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0	1	"	"	"	"	"	X
64-17-5	Ethanol	BRL		µg/l	400	1	"	"	"	"	"	X
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*122*			*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*			*70-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics Prepared by method SW846 3510C												
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-02-20110810-01	0140857	Ground Water	10-Aug-11 15:00	11-Aug-11
SB33235-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3510C												
M09800000	Motor Oil	BRL		mg/l	0.2	1	8015CM	12-Aug-11	12-Aug-11	MH	1116102	
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"	
	Unidentified	BRL		mg/l	0.2	1	"	"	"	"	"	
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	"	
	Diesel Range Organics (DRO)	BRL		mg/l	0.2	1	"	"	"	"	"	
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*94*			*40-140 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-01-2-3-20110810-01 SB33235-08	0140857	Soil	10-Aug-11 16:00	11-Aug-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses												
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*												
7440-38-2	Arsenic	2.44		mg/Kg	0.66	1	6010/200.7	12-Aug-11 02:21	12-Aug-11 02:21	CT007	182532A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-12-2-3-20110810-01	0140857	Soil	10-Aug-11 16:30	11-Aug-11
SB33235-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS												
PAHs by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	373	1	SW846 8270D	12-Aug-11	12-Aug-11	ML	1116099	X
208-96-8	Acenaphthylene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
120-12-7	Anthracene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
218-01-9	Chrysene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
206-44-0	Fluoranthene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
86-73-7	Fluorene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	BRL		µg/kg dry	373	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
91-20-3	Naphthalene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
85-01-8	Phenanthrene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
129-00-0	Pyrene	BRL		µg/kg dry	373	1	"	"	"	"	"	X
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*87*			*30-130 %*		"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*		"	"	"	"	"	
Extractable Petroleum Hydrocarbons												
Diesel Range Organics												
Prepared by method SW846 3545A												
68476-30-2	Fuel Oil #2	BRL		mg/kg dry	15.0	1	8015CM	12-Aug-11	12-Aug-11	MH	1116097	X
68476-31-3	Fuel Oil #4	BRL		mg/kg dry	15.0	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	BRL		mg/kg dry	15.0	1	"	"	"	"	"	X
M09800000	Motor Oil	BRL		mg/kg dry	15.0	1	"	"	"	"	"	X
J00100000	Aviation Fuel	BRL		mg/kg dry	15.0	1	"	"	"	"	"	X
	Unidentified	BRL		mg/kg dry	15.0	1	"	"	"	"	"	X
	Other Oil	BRL		mg/kg dry	15.0	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	BRL		mg/kg dry	15.0	1	"	"	"	"	"	X
Surrogate recoveries:												
3386-33-2	*1-Chlorooctadecane*	*96*			*40-140 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.0		%		1	SM2540 G Mod.	11-Aug-11	11-Aug-11	DT	1116010	
Subcontracted Analyses												
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*												
7440-38-2	Arsenic	1.93		mg/Kg	0.74	1	6010/200.7	12-Aug-11 02:26	12-Aug-11 02:26	CT007	182532A	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116139 - SW846 5030 Water MS										
Blank (1116139-BLK1)					Prepared & Analyzed: 12-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL		µg/l	1.0						
Acetone	BRL		µg/l	10.0						
Acrylonitrile	BRL		µg/l	0.5						
Benzene	BRL		µg/l	1.0						
Bromobenzene	BRL		µg/l	1.0						
Bromochloromethane	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	0.5						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
n-Butylbenzene	BRL		µg/l	1.0						
sec-Butylbenzene	BRL		µg/l	1.0						
tert-Butylbenzene	BRL		µg/l	1.0						
Carbon disulfide	BRL		µg/l	2.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
2-Chlorotoluene	BRL		µg/l	1.0						
4-Chlorotoluene	BRL		µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	0.5						
1,2-Dibromoethane (EDB)	BRL		µg/l	0.5						
Dibromomethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL		µg/l	2.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
1,3-Dichloropropane	BRL		µg/l	1.0						
2,2-Dichloropropane	BRL		µg/l	1.0						
1,1-Dichloropropene	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	0.5						
trans-1,3-Dichloropropene	BRL		µg/l	0.5						
Ethylbenzene	BRL		µg/l	1.0						
Hexachlorobutadiene	BRL		µg/l	0.5						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Isopropylbenzene	BRL		µg/l	1.0						
4-Isopropyltoluene	BRL		µg/l	1.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	2.0						
Naphthalene	BRL		µg/l	1.0						
n-Propylbenzene	BRL		µg/l	1.0						
Styrene	BRL		µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL		µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116139 - SW846 5030 Water MS										
Blank (1116139-BLK1)					Prepared & Analyzed: 12-Aug-11					
1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,2,3-Trichlorobenzene	BRL		µg/l	1.0						
1,2,4-Trichlorobenzene	BRL		µg/l	1.0						
1,3,5-Trichlorobenzene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
1,2,3-Trichloropropane	BRL		µg/l	1.0						
1,2,4-Trimethylbenzene	BRL		µg/l	1.0						
1,3,5-Trimethylbenzene	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Tetrahydrofuran	BRL		µg/l	2.0						
Ethyl ether	BRL		µg/l	1.0						
Tert-amyl methyl ether	BRL		µg/l	1.0						
Ethyl tert-butyl ether	BRL		µg/l	1.0						
Di-isopropyl ether	BRL		µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL		µg/l	10.0						
1,4-Dioxane	BRL		µg/l	20.0						
trans-1,4-Dichloro-2-butene	BRL		µg/l	5.0						
Ethanol	BRL		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.3*		µg/l		*50.0*		*117*	*70-130*		
Surrogate: Dibromofluoromethane	*56.3*		µg/l		*50.0*		*113*	*70-130*		
LCS (1116139-BS1)					Prepared & Analyzed: 12-Aug-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/l		20.0		102	70-130		
Acetone	20.0		µg/l		20.0		100	70-130		
Acrylonitrile	17.8		µg/l		20.0		89	70-130		
Benzene	19.3		µg/l		20.0		96	70-130		
Bromobenzene	20.5		µg/l		20.0		103	70-130		
Bromochloromethane	20.9		µg/l		20.0		104	70-130		
Bromodichloromethane	20.8		µg/l		20.0		104	70-130		
Bromoform	22.8		µg/l		20.0		114	70-130		
Bromomethane	26.9		µg/l		20.0		134	70-130		
2-Butanone (MEK)	17.5		µg/l		20.0		87	70-130		
n-Butylbenzene	19.7		µg/l		20.0		98	70-130		
sec-Butylbenzene	22.6		µg/l		20.0		113	70-130		
tert-Butylbenzene	23.0		µg/l		20.0		115	70-130		
Carbon disulfide	19.2		µg/l		20.0		96	70-130		
Carbon tetrachloride	23.1		µg/l		20.0		116	70-130		
Chlorobenzene	18.6		µg/l		20.0		93	70-130		
Chloroethane	19.8		µg/l		20.0		99	70-130		
Chloroform	19.7		µg/l		20.0		99	70-130		
Chloromethane	22.2		µg/l		20.0		111	70-130		
2-Chlorotoluene	21.3		µg/l		20.0		106	70-130		
4-Chlorotoluene	22.1		µg/l		20.0		110	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116139 - SW846 5030 Water MS										
LCS (1116139-BS1)					Prepared & Analyzed: 12-Aug-11					
1,2-Dibromo-3-chloropropane	19.2		µg/l		20.0		96	70-130		
Dibromochloromethane	22.3		µg/l		20.0		112	70-130		
1,2-Dibromoethane (EDB)	20.1		µg/l		20.0		100	70-130		
Dibromomethane	19.2		µg/l		20.0		96	70-130		
1,2-Dichlorobenzene	18.8		µg/l		20.0		94	70-130		
1,3-Dichlorobenzene	21.4		µg/l		20.0		107	70-130		
1,4-Dichlorobenzene	18.0		µg/l		20.0		90	70-130		
Dichlorodifluoromethane (Freon12)	19.1		µg/l		20.0		95	70-130		
1,1-Dichloroethane	23.0		µg/l		20.0		115	70-130		
1,2-Dichloroethane	21.0		µg/l		20.0		105	70-130		
1,1-Dichloroethene	19.4		µg/l		20.0		97	70-130		
cis-1,2-Dichloroethene	19.9		µg/l		20.0		99	70-130		
trans-1,2-Dichloroethene	18.8		µg/l		20.0		94	70-130		
1,2-Dichloropropane	18.3		µg/l		20.0		92	70-130		
1,3-Dichloropropane	18.5		µg/l		20.0		92	70-130		
2,2-Dichloropropane	24.3		µg/l		20.0		121	70-130		
1,1-Dichloropropene	20.1		µg/l		20.0		101	70-130		
cis-1,3-Dichloropropene	20.2		µg/l		20.0		101	70-130		
trans-1,3-Dichloropropene	21.8		µg/l		20.0		109	70-130		
Ethylbenzene	20.1		µg/l		20.0		100	70-130		
Hexachlorobutadiene	22.1		µg/l		20.0		110	70-130		
2-Hexanone (MBK)	17.6		µg/l		20.0		88	70-130		
Isopropylbenzene	20.6		µg/l		20.0		103	70-130		
4-Isopropyltoluene	19.8		µg/l		20.0		99	70-130		
Methyl tert-butyl ether	22.6		µg/l		20.0		113	70-130		
4-Methyl-2-pentanone (MIBK)	17.4		µg/l		20.0		87	70-130		
Methylene chloride	22.2		µg/l		20.0		111	70-130		
Naphthalene	17.0		µg/l		20.0		85	70-130		
n-Propylbenzene	20.9		µg/l		20.0		104	70-130		
Styrene	21.0		µg/l		20.0		105	70-130		
1,1,1,2-Tetrachloroethane	21.8		µg/l		20.0		109	70-130		
1,1,2,2-Tetrachloroethane	17.9		µg/l		20.0		90	70-130		
Tetrachloroethene	21.6		µg/l		20.0		108	70-130		
Toluene	18.8		µg/l		20.0		94	70-130		
1,2,3-Trichlorobenzene	20.8		µg/l		20.0		104	70-130		
1,2,4-Trichlorobenzene	19.7		µg/l		20.0		98	70-130		
1,3,5-Trichlorobenzene	19.6		µg/l		20.0		98	70-130		
1,1,1-Trichloroethane	23.3		µg/l		20.0		116	70-130		
1,1,2-Trichloroethane	18.8		µg/l		20.0		94	70-130		
Trichloroethene	20.0		µg/l		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	22.8		µg/l		20.0		114	70-130		
1,2,3-Trichloropropane	18.8		µg/l		20.0		94	70-130		
1,2,4-Trimethylbenzene	23.4		µg/l		20.0		117	70-130		
1,3,5-Trimethylbenzene	22.9		µg/l		20.0		114	70-130		
Vinyl chloride	19.6		µg/l		20.0		98	70-130		
m,p-Xylene	42.3		µg/l		40.0		106	70-130		
o-Xylene	21.6		µg/l		20.0		108	70-130		
Tetrahydrofuran	16.6		µg/l		20.0		83	70-130		
Ethyl ether	17.8		µg/l		20.0		89	70-130		
Tert-amyl methyl ether	20.8		µg/l		20.0		104	70-130		
Ethyl tert-butyl ether	19.9		µg/l		20.0		99	70-130		
Di-isopropyl ether	18.1		µg/l		20.0		91	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116139 - SW846 5030 Water MS										
LCS (1116139-BS1)						Prepared & Analyzed: 12-Aug-11				
Tert-Butanol / butyl alcohol	194		µg/l		200		97	70-130		
1,4-Dioxane	186		µg/l		200		93	70-130		
trans-1,4-Dichloro-2-butene	16.6		µg/l		20.0		83	70-130		
Ethanol	377		µg/l		400		94	70-130		
Surrogate: 4-Bromofluorobenzene	*53.6*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*56.2*		µg/l		*50.0*		*112*	*70-130*		
Surrogate: Dibromofluoromethane	*54.2*		µg/l		*50.0*		*108*	*70-130*		
LCS Dup (1116139-BSD1)						Prepared & Analyzed: 12-Aug-11				
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.1		µg/l		20.0		95	70-130	7	25
Acetone	18.1		µg/l		20.0		91	70-130	10	50
Acrylonitrile	17.6		µg/l		20.0		88	70-130	1	25
Benzene	18.3		µg/l		20.0		92	70-130	5	25
Bromobenzene	20.0		µg/l		20.0		100	70-130	3	25
Bromochloromethane	20.4		µg/l		20.0		102	70-130	2	25
Bromodichloromethane	20.4		µg/l		20.0		102	70-130	2	25
Bromoform	22.3		µg/l		20.0		111	70-130	2	25
Bromomethane	25.0		µg/l		20.0		125	70-130	7	50
2-Butanone (MEK)	15.8		µg/l		20.0		79	70-130	10	50
n-Butylbenzene	18.4		µg/l		20.0		92	70-130	7	25
sec-Butylbenzene	21.8		µg/l		20.0		109	70-130	4	25
tert-Butylbenzene	22.2		µg/l		20.0		111	70-130	3	25
Carbon disulfide	17.9		µg/l		20.0		89	70-130	7	25
Carbon tetrachloride	21.5		µg/l		20.0		108	70-130	7	25
Chlorobenzene	18.0		µg/l		20.0		90	70-130	3	25
Chloroethane	19.1		µg/l		20.0		96	70-130	3	50
Chloroform	19.0		µg/l		20.0		95	70-130	4	25
Chloromethane	21.4		µg/l		20.0		107	70-130	4	25
2-Chlorotoluene	20.3		µg/l		20.0		101	70-130	5	25
4-Chlorotoluene	21.2		µg/l		20.0		106	70-130	4	25
1,2-Dibromo-3-chloropropane	18.4		µg/l		20.0		92	70-130	4	25
Dibromochloromethane	21.6		µg/l		20.0		108	70-130	3	50
1,2-Dibromoethane (EDB)	19.6		µg/l		20.0		98	70-130	3	25
Dibromomethane	18.7		µg/l		20.0		94	70-130	3	25
1,2-Dichlorobenzene	18.5		µg/l		20.0		92	70-130	2	25
1,3-Dichlorobenzene	20.9		µg/l		20.0		104	70-130	3	25
1,4-Dichlorobenzene	17.1		µg/l		20.0		86	70-130	5	25
Dichlorodifluoromethane (Freon12)	18.9		µg/l		20.0		94	70-130	1	50
1,1-Dichloroethane	21.9		µg/l		20.0		109	70-130	5	25
1,2-Dichloroethane	19.9		µg/l		20.0		99	70-130	5	25
1,1-Dichloroethene	18.4		µg/l		20.0		92	70-130	6	25
cis-1,2-Dichloroethene	18.8		µg/l		20.0		94	70-130	5	25
trans-1,2-Dichloroethene	23.0		µg/l		20.0		115	70-130	20	25
1,2-Dichloropropane	17.4		µg/l		20.0		87	70-130	5	25
1,3-Dichloropropane	17.8		µg/l		20.0		89	70-130	4	25
2,2-Dichloropropane	22.1		µg/l		20.0		111	70-130	9	25
1,1-Dichloropropene	19.1		µg/l		20.0		95	70-130	5	25
cis-1,3-Dichloropropene	19.4		µg/l		20.0		97	70-130	4	25
trans-1,3-Dichloropropene	21.3		µg/l		20.0		106	70-130	2	25
Ethylbenzene	19.3		µg/l		20.0		97	70-130	4	25
Hexachlorobutadiene	20.5		µg/l		20.0		102	70-130	7	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116139 - SW846 5030 Water MS										
LCS Dup (1116139-BSD1)					Prepared & Analyzed: 12-Aug-11					
2-Hexanone (MBK)	16.2		µg/l		20.0		81	70-130	8	25
Isopropylbenzene	19.7		µg/l		20.0		98	70-130	4	25
4-Isopropyltoluene	18.6		µg/l		20.0		93	70-130	6	25
Methyl tert-butyl ether	21.9		µg/l		20.0		110	70-130	3	25
4-Methyl-2-pentanone (MIBK)	16.9		µg/l		20.0		85	70-130	3	50
Methylene chloride	21.4		µg/l		20.0		107	70-130	4	25
Naphthalene	16.1		µg/l		20.0		80	70-130	6	25
n-Propylbenzene	20.2		µg/l		20.0		101	70-130	3	25
Styrene	20.4		µg/l		20.0		102	70-130	3	25
1,1,1,2-Tetrachloroethane	20.9		µg/l		20.0		104	70-130	4	25
1,1,2,2-Tetrachloroethane	17.5		µg/l		20.0		88	70-130	2	25
Tetrachloroethene	20.8		µg/l		20.0		104	70-130	4	25
Toluene	18.1		µg/l		20.0		90	70-130	4	25
1,2,3-Trichlorobenzene	19.7		µg/l		20.0		98	70-130	6	25
1,2,4-Trichlorobenzene	19.0		µg/l		20.0		95	70-130	3	25
1,3,5-Trichlorobenzene	18.8		µg/l		20.0		94	70-130	4	25
1,1,1-Trichloroethane	21.8		µg/l		20.0		109	70-130	6	25
1,1,2-Trichloroethane	18.6		µg/l		20.0		93	70-130	1	25
Trichloroethene	19.0		µg/l		20.0		95	70-130	5	25
Trichlorofluoromethane (Freon 11)	21.7		µg/l		20.0		109	70-130	5	50
1,2,3-Trichloropropane	18.2		µg/l		20.0		91	70-130	3	25
1,2,4-Trimethylbenzene	22.6		µg/l		20.0		113	70-130	4	25
1,3,5-Trimethylbenzene	21.9		µg/l		20.0		110	70-130	4	25
Vinyl chloride	20.5		µg/l		20.0		102	70-130	5	25
m,p-Xylene	41.2		µg/l		40.0		103	70-130	3	25
o-Xylene	20.9		µg/l		20.0		105	70-130	3	25
Tetrahydrofuran	17.4		µg/l		20.0		87	70-130	4	25
Ethyl ether	17.7		µg/l		20.0		88	70-130	0.7	50
Tert-amyl methyl ether	20.2		µg/l		20.0		101	70-130	3	25
Ethyl tert-butyl ether	19.4		µg/l		20.0		97	70-130	3	25
Di-isopropyl ether	17.5		µg/l		20.0		88	70-130	3	25
Tert-Butanol / butyl alcohol	188		µg/l		200		94	70-130	3	25
1,4-Dioxane	179		µg/l		200		89	70-130	4	25
trans-1,4-Dichloro-2-butene	16.3		µg/l		20.0		82	70-130	2	25
Ethanol	323		µg/l		400		81	70-130	15	30
Surrogate: 4-Bromofluorobenzene	*53.7*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.8*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*53.5*		µg/l		*50.0*		*107*	*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 1116099 - SW846 3545A										
Blank (1116099-BLK1)					Prepared & Analyzed: 12-Aug-11					
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	*1250*		µg/kg wet		*1670*		*75*	*30-130*		
Surrogate: Terphenyl-dl4	*1240*		µg/kg wet		*1670*		*75*	*30-130*		
LCS (1116099-BS1)					Prepared & Analyzed: 12-Aug-11					
Acenaphthene	1300		µg/kg wet	165	1670		78	40-140		
Acenaphthylene	1380		µg/kg wet	165	1670		83	40-140		
Anthracene	1260		µg/kg wet	165	1670		76	40-140		
Benzo (a) anthracene	1380		µg/kg wet	165	1670		83	40-140		
Benzo (a) pyrene	1440		µg/kg wet	165	1670		86	40-140		
Benzo (b) fluoranthene	1480		µg/kg wet	165	1670		89	40-140		
Benzo (g,h,i) perylene	1370		µg/kg wet	165	1670		82	40-140		
Benzo (k) fluoranthene	1270		µg/kg wet	165	1670		76	40-140		
Chrysene	1310		µg/kg wet	165	1670		78	40-140		
Dibenzo (a,h) anthracene	1560		µg/kg wet	165	1670		94	40-140		
Fluoranthene	1400		µg/kg wet	165	1670		84	40-140		
Fluorene	1430		µg/kg wet	165	1670		86	40-140		
Indeno (1,2,3-cd) pyrene	1500		µg/kg wet	165	1670		90	40-140		
1-Methylnaphthalene	1510		µg/kg wet	165	1670		90	40-140		
2-Methylnaphthalene	1140		µg/kg wet	165	1670		68	40-140		
Naphthalene	1080		µg/kg wet	165	1670		65	40-140		
Phenanthrene	1250		µg/kg wet	165	1670		75	40-140		
Pyrene	1300		µg/kg wet	165	1670		78	40-140		
Surrogate: 2-Fluorobiphenyl	*1590*		µg/kg wet		*1670*		*95*	*30-130*		
Surrogate: Terphenyl-dl4	*1330*		µg/kg wet		*1670*		*80*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1116097 - SW846 3545A										
Blank (1116097-BLK1)						Prepared & Analyzed: 12-Aug-11				
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						
Diesel Range Organics (DRO)	BRL		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.62*		mg/kg wet		*3.33*		*79*	*40-140*		
LCS (1116097-BS2)						Prepared & Analyzed: 12-Aug-11				
Fuel Oil #2	579		mg/kg wet	13.3	667		87	40-140		
Surrogate: 1-Chlorooctadecane	*2.96*		mg/kg wet		*3.33*		*89*	*40-140*		
Duplicate (1116097-DUP2)			**Source: SB33235-09**			Prepared & Analyzed: 12-Aug-11				
Fuel Oil #2	BRL		mg/kg dry	29.7		BRL				50
Fuel Oil #4	BRL		mg/kg dry	29.7		BRL				50
Fuel Oil #6	BRL		mg/kg dry	29.7		BRL				50
Motor Oil	BRL		mg/kg dry	29.7		BRL				50
Aviation Fuel	BRL		mg/kg dry	29.7		BRL				50
Unidentified	BRL		mg/kg dry	29.7		BRL				50
Other Oil	BRL		mg/kg dry	29.7		BRL				50
Diesel Range Organics (DRO)	BRL		mg/kg dry	29.7		BRL				50
Surrogate: 1-Chlorooctadecane	*3.06*		mg/kg dry		*3.72*		*82*	*40-140*		
Matrix Spike (1116097-MS2)			**Source: SB33235-09**			Prepared & Analyzed: 12-Aug-11				
Diesel Range Organics (DRO)	602		mg/kg dry	15.0	750	BRL	80	40-140		
Surrogate: 1-Chlorooctadecane	*3.25*		mg/kg dry		*3.75*		*87*	*40-140*		
Matrix Spike Dup (1116097-MSD2)			**Source: SB33235-09**			Prepared & Analyzed: 12-Aug-11				
Diesel Range Organics (DRO)	559		mg/kg dry	14.9	746	BRL	75	40-140	7	200
Surrogate: 1-Chlorooctadecane	*2.89*		mg/kg dry		*3.73*		*77*	*40-140*		
Batch 1116102 - SW846 3510C										
Blank (1116102-BLK1)						Prepared & Analyzed: 12-Aug-11				
Fuel Oil #2	BRL		mg/l	0.1						
Fuel Oil #4	BRL		mg/l	0.1						
Fuel Oil #6	BRL		mg/l	0.1						
Motor Oil	BRL		mg/l	0.1						
Aviation Fuel	BRL		mg/l	0.1						
Unidentified	BRL		mg/l	0.1						
Other Oil	BRL		mg/l	0.1						
Diesel Range Organics (DRO)	BRL		mg/l	0.1						
Surrogate: 1-Chlorooctadecane	*0.0456*		mg/l		*0.0500*		*91*	*40-140*		
LCS (1116102-BS2)						Prepared & Analyzed: 12-Aug-11				
Fuel Oil #2	8.1		mg/l	0.1	10.0		81	40-140		
Surrogate: 1-Chlorooctadecane	*0.0441*		mg/l		*0.0500*		*88*	*40-140*		

Subcontracted Analyses - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 182532A - 182532-601										
BLK (BA62817BLK)					Prepared: 11-Aug-11			Analyzed: 12-Aug-11		
Arsenic	BDL		mg/Kg	0.7				-		
DUP (BA62817DUP)					Prepared: 11-Aug-11			Analyzed: 12-Aug-11		
Arsenic	ND		mg/Kg				4.0	-	0	
DUP RPD (BA62817DUP RPD)					Prepared: 11-Aug-11			Analyzed: 12-Aug-11		
Arsenic	ND		mg/Kg				NC	-		
LCS (BA62817LCS)					Prepared: 11-Aug-11			Analyzed: 12-Aug-11		
Arsenic	ND		mg/Kg				89.2	75-125	2.0	
LCSD (BA62817LCSD)					Prepared: 11-Aug-11			Analyzed: 12-Aug-11		
Arsenic	ND		mg/Kg				87.4	75-125	2.0	
MS (BA62817MS)					Prepared: 11-Aug-11			Analyzed: 12-Aug-11		
Arsenic	ND		mg/Kg				82.7	75-125	0.5	
MSD (BA62817MSD)					Prepared: 11-Aug-11			Analyzed: 12-Aug-11		
Arsenic	ND		mg/Kg				83.1	75-125	0.5	

Notes and Definitions

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:
Kimberly Wisk

SB 33235 NM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of ____

Special Handling:
- ☐ 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: John Zehren
ERM - Hartford

Telephone #: (860) 466-8500
Project Mgr. J. Zehren

Invoice To: ERM Hartford

P.O. No.: ~~0140857~~ RQN: MSA Rush 3 day

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): JPD

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 2

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

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

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 VT JPM

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	TPH 8015 (GW)	PAHS 8270	TPH 8015 (SL)	Arsenic				
33235.01	ERM-03-20110810-01	8/10/11	900	G	GW	2	2				2	2	—	—	—	—	—	—	
.02	DUP-001-20110810-01	8/10/11	1212	G	GW	2	2				2	2	—	—	—	—	—	—	
.03	TB-01-20110810-01	8/10/11	1111	G	GW	1					1	—	—	—	—	—	—	—	
.04	ERM-02-20110810-01	8/10/11	1030	G	GW	2	2				2	2	—	—	—	—	—	—	
.05	MW-01-20110810-01	8/10/11	1145	G	GW	2	2				2	2	—	—	—	—	—	—	
.06	ERM-01-20110810-01	8/10/11	1400	G	GW	2					2	—	—	—	—	—	—	—	
.07	MW-02-20110810-01	8/10/11	1500	G	GW	2	2				2	2	—	—	—	—	—	—	
.08	SB-01-2-3-20110810-01	8/10/11	1600	G	SO		2				—	—	—	—	X	—	—	—	
.09	SB-12-2-3-20110810-01	8/10/11	1630	G	SO		3				—	—	X	X	X	—	—	—	

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	8/11/11	9:30	0.6

☒ EDD Format _____
☒ E-mail to john.zehren@erm.com

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

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

Revised July 2010

Report Date:
30-Sep-11 16:33

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB36292-01	SB-23-0-1-20110927-1	Soil	27-Sep-11 11:20	27-Sep-11 17:15
SB36292-02	SB-23-3-4-20110927-1	Soil	27-Sep-11 11:30	27-Sep-11 17:15
SB36292-03	SB-24-0-0.5-20110927-1	Soil	27-Sep-11 11:50	27-Sep-11 17:15
SB36292-04	SB-24-1-2-20110927-1	Soil	27-Sep-11 11:55	27-Sep-11 17:15

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

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

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 16 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 3.0 degrees Celsius. The condition of these samples was further noted as received on ice. The samples were transported on ice to the laboratory facility and the temperature was recorded at 3.4 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

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

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.

SW846 8270D

Samples:

S108830-CCV1

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

Acenaphthylene (24.0%)

This affected the following samples:

SB-23-0-1-20110927-1
SB-24-0-0.5-20110927-1
SB-24-1-2-20110927-1

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23-0-1-20110927-1	0140857	Soil	27-Sep-11 11:20	27-Sep-11
SB36292-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 385		µg/kg dry	385	43.4	1	SW846 8270D	29-Sep-11	29-Sep-11	MSL	1119879	X
208-96-8	Acenaphthylene	< 385		µg/kg dry	385	44.1	1	"	"	"	"	"	X
120-12-7	Anthracene	< 385		µg/kg dry	385	45.2	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 385		µg/kg dry	385	44.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 385		µg/kg dry	385	50.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 385		µg/kg dry	385	46.4	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 385		µg/kg dry	385	59.0	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 385		µg/kg dry	385	68.1	1	"	"	"	"	"	X
218-01-9	Chrysene	< 385		µg/kg dry	385	45.9	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 385		µg/kg dry	385	53.2	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 385		µg/kg dry	385	70.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 385		µg/kg dry	385	49.0	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 385		µg/kg dry	385	71.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 385		µg/kg dry	385	56.4	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 385		µg/kg dry	385	45.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 385		µg/kg dry	385	38.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 385		µg/kg dry	385	43.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 385		µg/kg dry	385	77.4	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*66*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.0		µg/kg dry	22.0	11.0	1	SW846 8082A	28-Sep-11	29-Sep-11	IMR	1119842	X
11104-28-2	Aroclor-1221	< 22.0		µg/kg dry	22.0	19.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.0		µg/kg dry	22.0	14.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.0		µg/kg dry	22.0	13.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.0		µg/kg dry	22.0	10.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.0		µg/kg dry	22.0	16.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.0		µg/kg dry	22.0	8.44	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.0		µg/kg dry	22.0	20.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.0		µg/kg dry	22.0	6.91	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 15.5		mg/kg dry	15.5	9.0	1	8015CM	29-Sep-11	30-Sep-11	SEW	1119881	X
68476-31-3	Fuel Oil #4	< 15.5		mg/kg dry	15.5	1.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23-0-1-20110927-1	0140857	Soil	27-Sep-11 11:20	27-Sep-11
SB36292-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68553-00-4	Fuel Oil #6	< 15.5		mg/kg dry	15.5	9.3	1	8015CM	29-Sep-11	30-Sep-11	SEW	1119881	X
M09800000	Motor Oil	< 15.5		mg/kg dry	15.5	8.5	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 15.5		mg/kg dry	15.5	3.9	1	"	"	"	"	"	X
	Unidentified	< 15.5		mg/kg dry	15.5	3.9	1	"	"	"	"	"	X
	Other Oil	< 15.5		mg/kg dry	15.5	1.6	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 15.5		mg/kg dry	15.5	9.0	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*78*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	84.8		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119923	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23-3-4-20110927-1	0140857	Soil	27-Sep-11 11:30	27-Sep-11
SB36292-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 400		µg/kg dry	400	45.0	1	SW846 8270D	29-Sep-11	30-Sep-11	MSL	1119879	X
208-96-8	Acenaphthylene	< 400		µg/kg dry	400	45.8	1	"	"	"	"	"	X
120-12-7	Anthracene	< 400		µg/kg dry	400	47.0	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 400		µg/kg dry	400	46.5	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 400		µg/kg dry	400	52.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 400		µg/kg dry	400	48.2	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 400		µg/kg dry	400	61.3	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 400		µg/kg dry	400	70.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 400		µg/kg dry	400	47.7	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 400		µg/kg dry	400	55.2	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 400		µg/kg dry	400	73.1	1	"	"	"	"	"	X
86-73-7	Fluorene	< 400		µg/kg dry	400	50.8	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 400		µg/kg dry	400	73.9	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 400		µg/kg dry	400	58.6	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 400		µg/kg dry	400	47.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 400		µg/kg dry	400	40.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 400		µg/kg dry	400	45.0	1	"	"	"	"	"	X
129-00-0	Pyrene	< 400		µg/kg dry	400	80.4	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*79*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 24.3		µg/kg dry	24.3	12.2	1	SW846 8082A	28-Sep-11	29-Sep-11	IMR	1119842	X
11104-28-2	Aroclor-1221	< 24.3		µg/kg dry	24.3	21.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.3		µg/kg dry	24.3	15.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.3		µg/kg dry	24.3	14.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.3		µg/kg dry	24.3	11.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.3		µg/kg dry	24.3	17.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.3		µg/kg dry	24.3	9.33	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.3		µg/kg dry	24.3	22.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.3		µg/kg dry	24.3	7.64	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 16.1		mg/kg dry	16.1	9.4	1	8015CM	29-Sep-11	29-Sep-11	SEW	1119881	X
68476-31-3	Fuel Oil #4	< 16.1		mg/kg dry	16.1	1.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23-3-4-20110927-1	0140857	Soil	27-Sep-11 11:30	27-Sep-11
SB36292-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68553-00-4	Fuel Oil #6	< 16.1		mg/kg dry	16.1	9.6	1	8015CM	29-Sep-11	29-Sep-11	SEW	1119881	X
M09800000	Motor Oil	< 16.1		mg/kg dry	16.1	8.8	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 16.1		mg/kg dry	16.1	4.0	1	"	"	"	"	"	X
	Unidentified	< 16.1		mg/kg dry	16.1	4.0	1	"	"	"	"	"	X
	Other Oil	< 16.1		mg/kg dry	16.1	1.6	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 16.1		mg/kg dry	16.1	9.4	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*83*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	81.6		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119923	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-24-0-0.5-20110927-1	0140857	Soil	27-Sep-11 11:50	27-Sep-11
SB36292-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 390		µg/kg dry	390	44.0	1	SW846 8270D	29-Sep-11	30-Sep-11	MSL	1119879	X
208-96-8	Acenaphthylene	< 390		µg/kg dry	390	44.7	1	"	"	"	"	"	X
120-12-7	Anthracene	< 390		µg/kg dry	390	45.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 390		µg/kg dry	390	45.4	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 390		µg/kg dry	390	51.6	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 390		µg/kg dry	390	47.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 390		µg/kg dry	390	59.8	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 390		µg/kg dry	390	69.1	1	"	"	"	"	"	X
218-01-9	Chrysene	< 390		µg/kg dry	390	46.6	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 390		µg/kg dry	390	53.9	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 390		µg/kg dry	390	71.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 390		µg/kg dry	390	49.7	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 390		µg/kg dry	390	72.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 390		µg/kg dry	390	57.2	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 390		µg/kg dry	390	46.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 390		µg/kg dry	390	39.5	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 390		µg/kg dry	390	44.0	1	"	"	"	"	"	X
129-00-0	Pyrene	< 390		µg/kg dry	390	78.5	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*72*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*77*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.5		µg/kg dry	22.5	11.2	1	SW846 8082A	28-Sep-11	29-Sep-11	IMR	1119842	X
11104-28-2	Aroclor-1221	< 22.5		µg/kg dry	22.5	20.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.5		µg/kg dry	22.5	14.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.5		µg/kg dry	22.5	13.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.5		µg/kg dry	22.5	11.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.5		µg/kg dry	22.5	16.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.5		µg/kg dry	22.5	8.63	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.5		µg/kg dry	22.5	21.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.5		µg/kg dry	22.5	7.07	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 15.7		mg/kg dry	15.7	9.1	1	8015CM	29-Sep-11	29-Sep-11	SEW	1119881	X
68476-31-3	Fuel Oil #4	< 15.7		mg/kg dry	15.7	1.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-24-0-0.5-20110927-1	0140857	Soil	27-Sep-11 11:50	27-Sep-11
SB36292-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68553-00-4	Fuel Oil #6	< 15.7		mg/kg dry	15.7	9.4	1	8015CM	29-Sep-11	29-Sep-11	SEW	1119881	X
M09800000	Motor Oil	< 15.7		mg/kg dry	15.7	8.6	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 15.7		mg/kg dry	15.7	3.9	1	"	"	"	"	"	X
	Unidentified	< 15.7		mg/kg dry	15.7	3.9	1	"	"	"	"	"	X
	Other Oil	< 15.7		mg/kg dry	15.7	1.6	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 15.7		mg/kg dry	15.7	9.1	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*79*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	83.5		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119923	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-24-1-2-20110927-1	0140857	Soil	27-Sep-11 11:55	27-Sep-11
SB36292-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 368		µg/kg dry	368	41.5	1	SW846 8270D	29-Sep-11	30-Sep-11	MSL	1119879	X
208-96-8	Acenaphthylene	< 368		µg/kg dry	368	42.2	1	"	"	"	"	"	X
120-12-7	Anthracene	< 368		µg/kg dry	368	43.3	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 368		µg/kg dry	368	42.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 368		µg/kg dry	368	48.6	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 368		µg/kg dry	368	44.4	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 368		µg/kg dry	368	56.4	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 368		µg/kg dry	368	65.1	1	"	"	"	"	"	X
218-01-9	Chrysene	< 368		µg/kg dry	368	43.9	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 368		µg/kg dry	368	50.9	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 368		µg/kg dry	368	67.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 368		µg/kg dry	368	46.8	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 368		µg/kg dry	368	68.0	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 368		µg/kg dry	368	54.0	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 368		µg/kg dry	368	43.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 368		µg/kg dry	368	37.3	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 368		µg/kg dry	368	41.5	1	"	"	"	"	"	X
129-00-0	Pyrene	< 368		µg/kg dry	368	74.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*72*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*75*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 21.6		µg/kg dry	21.6	10.8	1	SW846 8082A	28-Sep-11	30-Sep-11	IMR	1119842	X
11104-28-2	Aroclor-1221	< 21.6		µg/kg dry	21.6	19.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 21.6		µg/kg dry	21.6	13.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 21.6		µg/kg dry	21.6	12.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 21.6		µg/kg dry	21.6	10.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 21.6		µg/kg dry	21.6	15.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 21.6		µg/kg dry	21.6	8.26	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 21.6		µg/kg dry	21.6	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.6		µg/kg dry	21.6	6.77	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 14.8		mg/kg dry	14.8	8.6	1	8015CM	29-Sep-11	30-Sep-11	SEW	1119881	X
68476-31-3	Fuel Oil #4	< 14.8		mg/kg dry	14.8	1.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-24-1-2-20110927-1 SB36292-04	0140857	Soil	27-Sep-11 11:55	27-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics Prepared by method SW846 3545A													
68553-00-4	Fuel Oil #6	< 14.8		mg/kg dry	14.8	8.9	1	8015CM	29-Sep-11	30-Sep-11	SEW	1119881	X
M09800000	Motor Oil	< 14.8		mg/kg dry	14.8	8.1	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 14.8		mg/kg dry	14.8	3.7	1	"	"	"	"	"	X
	Unidentified	< 14.8		mg/kg dry	14.8	3.7	1	"	"	"	"	"	X
	Other Oil	< 14.8		mg/kg dry	14.8	1.5	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 14.8		mg/kg dry	14.8	8.6	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*80*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	88.8		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119923	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1119879 - SW846 3545A										
Blank (1119879-BLK1)					Prepared & Analyzed: 29-Sep-11					
Acenaphthene	< 165		µg/kg wet	165						
Acenaphthylene	< 165		µg/kg wet	165						
Anthracene	< 165		µg/kg wet	165						
Benzo (a) anthracene	< 165		µg/kg wet	165						
Benzo (a) pyrene	< 165		µg/kg wet	165						
Benzo (b) fluoranthene	< 165		µg/kg wet	165						
Benzo (g,h,i) perylene	< 165		µg/kg wet	165						
Benzo (k) fluoranthene	< 165		µg/kg wet	165						
Chrysene	< 165		µg/kg wet	165						
Dibenzo (a,h) anthracene	< 165		µg/kg wet	165						
Fluoranthene	< 165		µg/kg wet	165						
Fluorene	< 165		µg/kg wet	165						
Indeno (1,2,3-cd) pyrene	< 165		µg/kg wet	165						
1-Methylnaphthalene	< 165		µg/kg wet	165						
2-Methylnaphthalene	< 165		µg/kg wet	165						
Naphthalene	< 165		µg/kg wet	165						
Phenanthrene	< 165		µg/kg wet	165						
Pyrene	< 165		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1150*		µg/kg wet		*1670*		*69*	*30-130*		
Surrogate: Terphenyl-dl4	*1160*		µg/kg wet		*1670*		*70*	*30-130*		
LCS (1119879-BS1)					Prepared & Analyzed: 29-Sep-11					
Acenaphthene	**1160**		µg/kg wet	165	1670		70	40-140		
Acenaphthylene	**1170**		µg/kg wet	165	1670		70	40-140		
Anthracene	**1250**		µg/kg wet	165	1670		75	40-140		
Benzo (a) anthracene	**1120**		µg/kg wet	165	1670		67	40-140		
Benzo (a) pyrene	**1120**		µg/kg wet	165	1670		67	40-140		
Benzo (b) fluoranthene	**1020**		µg/kg wet	165	1670		61	40-140		
Benzo (g,h,i) perylene	**1010**		µg/kg wet	165	1670		61	40-140		
Benzo (k) fluoranthene	**1110**		µg/kg wet	165	1670		67	40-140		
Chrysene	**1090**		µg/kg wet	165	1670		66	40-140		
Dibenzo (a,h) anthracene	**1040**		µg/kg wet	165	1670		63	40-140		
Fluoranthene	**1170**		µg/kg wet	165	1670		70	40-140		
Fluorene	**1140**		µg/kg wet	165	1670		69	40-140		
Indeno (1,2,3-cd) pyrene	**1020**		µg/kg wet	165	1670		61	40-140		
1-Methylnaphthalene	**1170**		µg/kg wet	165	1670		70	40-140		
2-Methylnaphthalene	**998**		µg/kg wet	165	1670		60	40-140		
Naphthalene	**1060**		µg/kg wet	165	1670		64	40-140		
Phenanthrene	**1140**		µg/kg wet	165	1670		68	40-140		
Pyrene	**1090**		µg/kg wet	165	1670		65	40-140		
Surrogate: 2-Fluorobiphenyl	*1250*		µg/kg wet		*1670*		*75*	*30-130*		
Surrogate: Terphenyl-dl4	*1220*		µg/kg wet		*1670*		*73*	*30-130*		
Duplicate (1119879-DUP1)			**Source: SB36292-02**			Prepared: 29-Sep-11 Analyzed: 30-Sep-11				
Acenaphthene	< 201		µg/kg dry	201		BRL				50
Acenaphthylene	< 201		µg/kg dry	201		BRL				50
Anthracene	< 201		µg/kg dry	201		BRL				50
Benzo (a) anthracene	< 201		µg/kg dry	201		BRL				50
Benzo (a) pyrene	< 201		µg/kg dry	201		BRL				50
Benzo (b) fluoranthene	< 201		µg/kg dry	201		BRL				50
Benzo (g,h,i) perylene	< 201		µg/kg dry	201		BRL				50
Benzo (k) fluoranthene	< 201		µg/kg dry	201		BRL				50
Chrysene	< 201		µg/kg dry	201		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1119879 - SW846 3545A										
Duplicate (1119879-DUP1)			**Source: SB36292-02**		Prepared: 29-Sep-11 Analyzed: 30-Sep-11					
Dibenzo (a,h) anthracene	< 201		µg/kg dry	201		BRL				50
Fluoranthene	< 201		µg/kg dry	201		BRL				50
Fluorene	< 201		µg/kg dry	201		BRL				50
Indeno (1,2,3-cd) pyrene	< 201		µg/kg dry	201		BRL				50
1-Methylnaphthalene	< 201		µg/kg dry	201		BRL				50
2-Methylnaphthalene	< 201		µg/kg dry	201		BRL				50
Naphthalene	< 201		µg/kg dry	201		BRL				50
Phenanthrene	< 201		µg/kg dry	201		BRL				50
Pyrene	< 201		µg/kg dry	201		BRL				50
Surrogate: 2-Fluorobiphenyl	*549*		µg/kg dry		*1020*		*54*	*30-130*		
Surrogate: Terphenyl-dl4	*580*		µg/kg dry		*1020*		*57*	*30-130*		
Matrix Spike (1119879-MS1)			**Source: SB36292-02**		Prepared & Analyzed: 29-Sep-11					
Acenaphthene	**1380**		µg/kg dry	200	2020	BRL	69	40-140		
Acenaphthylene	**1410**		µg/kg dry	200	2020	BRL	70	40-140		
Anthracene	**1510**		µg/kg dry	200	2020	BRL	75	40-140		
Benzo (a) anthracene	**1320**		µg/kg dry	200	2020	BRL	65	40-140		
Benzo (a) pyrene	**1330**		µg/kg dry	200	2020	BRL	66	40-140		
Benzo (b) fluoranthene	**1230**		µg/kg dry	200	2020	BRL	61	40-140		
Benzo (g,h,i) perylene	**1200**		µg/kg dry	200	2020	BRL	60	40-140		
Benzo (k) fluoranthene	**1330**		µg/kg dry	200	2020	BRL	66	40-140		
Chrysene	**1310**		µg/kg dry	200	2020	BRL	65	30-130		
Dibenzo (a,h) anthracene	**1260**		µg/kg dry	200	2020	BRL	62	30-130		
Fluoranthene	**1400**		µg/kg dry	200	2020	BRL	69	40-140		
Fluorene	**1420**		µg/kg dry	200	2020	BRL	70	40-140		
Indeno (1,2,3-cd) pyrene	**1170**		µg/kg dry	200	2020	BRL	58	40-140		
1-Methylnaphthalene	**1360**		µg/kg dry	200	2020	BRL	67	40-140		
2-Methylnaphthalene	**1380**		µg/kg dry	200	2020	BRL	68	40-140		
Naphthalene	**1270**		µg/kg dry	200	2020	BRL	63	40-140		
Phenanthrene	**1330**		µg/kg dry	200	2020	BRL	66	40-140		
Pyrene	**1300**		µg/kg dry	200	2020	BRL	64	40-140		
Surrogate: 2-Fluorobiphenyl	*1470*		µg/kg dry		*2020*		*73*	*30-130*		
Surrogate: Terphenyl-dl4	*1400*		µg/kg dry		*2020*		*70*	*30-130*		
Matrix Spike Dup (1119879-MSD1)			**Source: SB36292-02**		Prepared & Analyzed: 29-Sep-11					
Acenaphthene	**1350**		µg/kg dry	200	2020	BRL	67	40-140	3	30
Acenaphthylene	**1380**		µg/kg dry	200	2020	BRL	68	40-140	2	30
Anthracene	**1460**		µg/kg dry	200	2020	BRL	72	40-140	4	30
Benzo (a) anthracene	**1290**		µg/kg dry	200	2020	BRL	64	40-140	3	30
Benzo (a) pyrene	**1330**		µg/kg dry	200	2020	BRL	66	40-140	0.3	30
Benzo (b) fluoranthene	**1230**		µg/kg dry	200	2020	BRL	61	40-140	0.4	30
Benzo (g,h,i) perylene	**1140**		µg/kg dry	200	2020	BRL	57	40-140	5	30
Benzo (k) fluoranthene	**1290**		µg/kg dry	200	2020	BRL	64	40-140	3	30
Chrysene	**1290**		µg/kg dry	200	2020	BRL	64	30-130	2	30
Dibenzo (a,h) anthracene	**1200**		µg/kg dry	200	2020	BRL	59	30-130	5	30
Fluoranthene	**1330**		µg/kg dry	200	2020	BRL	66	40-140	6	30
Fluorene	**1350**		µg/kg dry	200	2020	BRL	67	40-140	5	30
Indeno (1,2,3-cd) pyrene	**1130**		µg/kg dry	200	2020	BRL	56	40-140	4	30
1-Methylnaphthalene	**1340**		µg/kg dry	200	2020	BRL	66	40-140	2	30
2-Methylnaphthalene	**1310**		µg/kg dry	200	2020	BRL	65	40-140	5	30
Naphthalene	**1220**		µg/kg dry	200	2020	BRL	60	40-140	4	30
Phenanthrene	**1310**		µg/kg dry	200	2020	BRL	65	40-140	2	30
Pyrene	**1310**		µg/kg dry	200	2020	BRL	65	40-140	0.6	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 1119879 - SW846 3545A										
Matrix Spike Dup (1119879-MSD1)			**Source: SB36292-02**		Prepared & Analyzed: 29-Sep-11					
Surrogate: 2-Fluorobiphenyl	*1440*		µg/kg dry		*2020*		*71*	*30-130*		
Surrogate: Terphenyl-dl4	*1410*		µg/kg dry		*2020*		*70*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1119842 - SW846 3545A										
Blank (1119842-BLK1)					Prepared: 28-Sep-11 Analyzed: 29-Sep-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
LCS (1119842-BS1)					Prepared: 28-Sep-11 Analyzed: 29-Sep-11					
Aroclor-1016	**254**		µg/kg wet	20.0	250		102	50-140		
Aroclor-1016 [2C]	**249**		µg/kg wet	20.0	250		100	50-140		
Aroclor-1260	**236**		µg/kg wet	20.0	250		94	50-140		
Aroclor-1260 [2C]	**230**		µg/kg wet	20.0	250		92	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS Dup (1119842-BSD1)					Prepared: 28-Sep-11 Analyzed: 29-Sep-11					
Aroclor-1016	**250**		µg/kg wet	20.0	250		100	50-140	2	30
Aroclor-1016 [2C]	**233**		µg/kg wet	20.0	250		93	50-140	7	30
Aroclor-1260	**244**		µg/kg wet	20.0	250		98	50-140	3	30
Aroclor-1260 [2C]	**235**		µg/kg wet	20.0	250		94	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1119881 - SW846 3545A										
Blank (1119881-BLK1)					Prepared & Analyzed: 29-Sep-11					
Fuel Oil #2	< 13.3		mg/kg wet	13.3						
Fuel Oil #4	< 13.3		mg/kg wet	13.3						
Fuel Oil #6	< 13.3		mg/kg wet	13.3						
Motor Oil	< 13.3		mg/kg wet	13.3						
Aviation Fuel	< 13.3		mg/kg wet	13.3						
Unidentified	< 13.3		mg/kg wet	13.3						
Other Oil	< 13.3		mg/kg wet	13.3						
Diesel Range Organics (DRO)	< 13.3		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*1.95*		mg/kg wet		*3.33*		*58*	*40-140*		
LCS (1119881-BS2)					Prepared & Analyzed: 29-Sep-11					
Fuel Oil #2	**617**		mg/kg wet	13.3	667		93	40-140		
Surrogate: 1-Chlorooctadecane	*2.95*		mg/kg wet		*3.33*		*89*	*40-140*		
Duplicate (1119881-DUP2)			**Source: SB36292-02**		Prepared & Analyzed: 29-Sep-11					
Fuel Oil #2	< 16.2		mg/kg dry	16.2		BRL				50
Fuel Oil #4	< 16.2		mg/kg dry	16.2		BRL				50
Fuel Oil #6	< 16.2		mg/kg dry	16.2		BRL				50
Motor Oil	< 16.2		mg/kg dry	16.2		BRL				50
Aviation Fuel	< 16.2		mg/kg dry	16.2		BRL				50
Unidentified	< 16.2		mg/kg dry	16.2		BRL				50
Other Oil	< 16.2		mg/kg dry	16.2		BRL				50
Diesel Range Organics (DRO)	< 16.2		mg/kg dry	16.2		BRL				50
Surrogate: 1-Chlorooctadecane	*1.51*		mg/kg dry		*2.03*		*74*	*40-140*		
Matrix Spike (1119881-MS2)			**Source: SB36292-02**		Prepared & Analyzed: 29-Sep-11					
Diesel Range Organics (DRO)	**706**		mg/kg dry	16.1	805	BRL	88	40-140		
Surrogate: 1-Chlorooctadecane	*3.37*		mg/kg dry		*4.03*		*84*	*40-140*		
Matrix Spike Dup (1119881-MSD2)			**Source: SB36292-02**		Prepared & Analyzed: 29-Sep-11					
Diesel Range Organics (DRO)	**667**		mg/kg dry	16.1	805	BRL	83	40-140	6	200
Surrogate: 1-Chlorooctadecane	*3.22*		mg/kg dry		*4.03*		*80*	*40-140*		

Notes and Definitions

dry Sample results reported on a dry weight basis

NR Not Reported

RPD Relative Percent Difference

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 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:
June O'Connor
Kimberly Wisk

SB36292 e

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: ERM
East Hartford, CT
Telephone #: 860-466-8500
Project Mgr. John Zehran

Invoice To: SAME
P.O. No.: RQN: MSA

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): PAB

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: 1 1 1

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	TPH DRO 8015	PAHs 8270	PCBs 8082
36292-01	SB-23-0-1-20110927-01	9/27/11	1120	G	SO		2			X	X	X
-02	SB-23-3-4-20110927-01		1130				2			X	X	X
-03	SB-24-0-0.5-20110927-01		1150				2			X	X	X
-04	SB-24-1-2-20110927-01		1155				2			X	X	X

Relinquished by:	Received by:	Date:	Time:	Temp°C
John Zehran	T. Bender	9/27/11	2:40	3.0
T. Bender	[illegible]	9/27/11	1715	3.4

☑ EDD Format Excel Crit / Standard
☑ E-mail to John.Zehran@erm.com

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

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

Revised July 2010

Report Date:
04-Oct-11 16:46

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB36355-01	SB-25-0-1-20110928-01	Soil	28-Sep-11 10:45	29-Sep-11 08:55
SB36355-02	SB-25-1.5-2.0-20110928-01	Soil	28-Sep-11 11:00	29-Sep-11 08:55
SB36355-03	SB-26-0-1-20110928-01	Soil	28-Sep-11 11:10	29-Sep-11 08:55
SB36355-04	SB-26-2.5-3.0-20110928-01	Soil	28-Sep-11 11:15	29-Sep-11 08:55
SB36355-06	SB-34-1-2-20110928-01	Soil	28-Sep-11 12:15	29-Sep-11 08:55
SB36355-07	SB-35-1-2-20110928-01	Soil	28-Sep-11 12:25	29-Sep-11 08:55
SB36355-08	SB-36-1-2-20110928-01	Soil	28-Sep-11 12:40	29-Sep-11 08:55
SB36355-09	SB-27-0-2-20110928-01	Soil	28-Sep-11 15:35	29-Sep-11 08:55
SB36355-10	SB-27-5-6-20110928-01	Soil	28-Sep-11 16:35	29-Sep-11 08:55

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 28 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.

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CASE NARRATIVE:

The samples were received 5.4 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. 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.

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

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

SW846 8260C

Calibration:

1109007

Analyte quantified by quadratic equation type calibration.

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

This affected the following samples:

S108096-ICV1

Laboratory Control Samples:

1120008 BS/BSD

1,1,2,2-Tetrachloroethane percent recoveries (131/121) 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:

SB-27-0-2-20110928-01
SB-27-5-6-20110928-01

Samples:

S108842-CCV1

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

1,1,2,2-Tetrachloroethane (31.0%)
2,2-Dichloropropane (27.6%)

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

Bromoform (27.2%)

This affected the following samples:

1120008-BLK1
1120008-BS1
1120008-BSD1
SB-27-0-2-20110928-01
SB-27-5-6-20110928-01

SB36355-09 *SB-27-0-2-20110928-01*

SW846 8260C

Samples:

SB36355-09 *SB-27-0-2-20110928-01*

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

SB36355-10 *SB-27-5-6-20110928-01*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25-0-1-20110928-01	0140857	Soil	28-Sep-11 10:45	29-Sep-11
SB36355-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	419		µg/kg dry	396	44.7	1	SW846 8270D	30-Sep-11	03-Oct-11	MSL	1119995	X
208-96-8	Acenaphthylene	< 396		µg/kg dry	396	45.4	1	"	"	"	"	"	X
120-12-7	Anthracene	771		µg/kg dry	396	46.6	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	1,080		µg/kg dry	396	46.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	878		µg/kg dry	396	52.4	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	802		µg/kg dry	396	47.8	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 396		µg/kg dry	396	60.8	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	560		µg/kg dry	396	70.1	1	"	"	"	"	"	X
218-01-9	Chrysene	1,020		µg/kg dry	396	47.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 396		µg/kg dry	396	54.8	1	"	"	"	"	"	X
206-44-0	Fluoranthene	3,180		µg/kg dry	396	72.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 396		µg/kg dry	396	50.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	408		µg/kg dry	396	73.3	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 396		µg/kg dry	396	58.1	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 396		µg/kg dry	396	46.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 396		µg/kg dry	396	40.1	1	"	"	"	"	"	X
85-01-8	Phenanthrene	4,320		µg/kg dry	396	44.7	1	"	"	"	"	"	X
129-00-0	Pyrene	2,340		µg/kg dry	396	79.7	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*64*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 22.7		µg/kg dry	22.7	11.3	1	SW846 8082A	03-Oct-11	03-Oct-11	IMR	1120150	X
11104-28-2	Aroclor-1221	< 22.7		µg/kg dry	22.7	20.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 22.7		µg/kg dry	22.7	14.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 22.7		µg/kg dry	22.7	13.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 22.7		µg/kg dry	22.7	11.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 22.7		µg/kg dry	22.7	16.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 22.7		µg/kg dry	22.7	8.68	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 22.7		µg/kg dry	22.7	21.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 22.7		µg/kg dry	22.7	7.11	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 31.5		mg/kg dry	31.5	18.3	1	8015CM	30-Sep-11	04-Oct-11	SEW	1119981	X
68476-31-3	Fuel Oil #4	< 31.5		mg/kg dry	31.5	3.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25-0-1-20110928-01 SB36355-01	0140857	Soil	28-Sep-11 10:45	29-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics Prepared by method SW846 3545A													
68553-00-4	Fuel Oil #6	< 31.5		mg/kg dry	31.5	18.8	1	8015CM	30-Sep-11	04-Oct-11	SEW	1119981	X
M09800000	Motor Oil	< 31.5		mg/kg dry	31.5	17.2	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 31.5		mg/kg dry	31.5	7.9	1	"	"	"	"	"	X
	Unidentified	< 31.5		mg/kg dry	31.5	7.9	1	"	"	"	"	"	X
	Other Oil	< 31.5		mg/kg dry	31.5	3.2	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 31.5		mg/kg dry	31.5	18.3	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*82*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	82.4		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119925	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25-1.5-2.0-20110928-01	0140857	Soil	28-Sep-11 11:00	29-Sep-11
SB36355-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 392		µg/kg dry	392	44.2	1	SW846 8270D	30-Sep-11	03-Oct-11	MSL	1119995	X
208-96-8	Acenaphthylene	< 392		µg/kg dry	392	44.9	1	"	"	"	"	"	X
120-12-7	Anthracene	< 392		µg/kg dry	392	46.1	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 392		µg/kg dry	392	45.6	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 392		µg/kg dry	392	51.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 392		µg/kg dry	392	47.3	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 392		µg/kg dry	392	60.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 392		µg/kg dry	392	69.4	1	"	"	"	"	"	X
218-01-9	Chrysene	< 392		µg/kg dry	392	46.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 392		µg/kg dry	392	54.2	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 392		µg/kg dry	392	71.8	1	"	"	"	"	"	X
86-73-7	Fluorene	< 392		µg/kg dry	392	49.9	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 392		µg/kg dry	392	72.5	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 392		µg/kg dry	392	57.5	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 392		µg/kg dry	392	46.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 392		µg/kg dry	392	39.7	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 392		µg/kg dry	392	44.2	1	"	"	"	"	"	X
129-00-0	Pyrene	< 392		µg/kg dry	392	78.9	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*67*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.4		µg/kg dry	23.4	11.7	1	SW846 8082A	03-Oct-11	03-Oct-11	IMR	1120150	X
11104-28-2	Aroclor-1221	< 23.4		µg/kg dry	23.4	21.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.4		µg/kg dry	23.4	15.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.4		µg/kg dry	23.4	13.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.4		µg/kg dry	23.4	11.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.4		µg/kg dry	23.4	17.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.4		µg/kg dry	23.4	8.96	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.4		µg/kg dry	23.4	21.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.4		µg/kg dry	23.4	7.34	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 15.8		mg/kg dry	15.8	9.2	1	8015CM	30-Sep-11	01-Oct-11	SEW	1119981	X
68476-31-3	Fuel Oil #4	< 15.8		mg/kg dry	15.8	1.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25-1.5-2.0-20110928-01	0140857	Soil	28-Sep-11 11:00	29-Sep-11
SB36355-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68553-00-4	Fuel Oil #6	< 15.8		mg/kg dry	15.8	9.4	1	8015CM	30-Sep-11	01-Oct-11	SEW	1119981	X
M09800000	Motor Oil	< 15.8		mg/kg dry	15.8	8.6	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 15.8		mg/kg dry	15.8	4.0	1	"	"	"	"	"	X
	Unidentified	< 15.8		mg/kg dry	15.8	4.0	1	"	"	"	"	"	X
	Other Oil	< 15.8		mg/kg dry	15.8	1.6	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 15.8		mg/kg dry	15.8	9.2	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*86*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	82.8		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119925	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-26-0-1-20110928-01	0140857	Soil	28-Sep-11 11:10	29-Sep-11
SB36355-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 483		µg/kg dry	483	54.4	1	SW846 8270D	30-Sep-11	03-Oct-11	MSL	1119995	X
208-96-8	Acenaphthylene	< 483		µg/kg dry	483	55.3	1	"	"	"	"	"	X
120-12-7	Anthracene	< 483		µg/kg dry	483	56.8	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 483		µg/kg dry	483	56.2	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 483		µg/kg dry	483	63.8	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 483		µg/kg dry	483	58.2	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 483		µg/kg dry	483	74.0	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 483		µg/kg dry	483	85.5	1	"	"	"	"	"	X
218-01-9	Chrysene	< 483		µg/kg dry	483	57.7	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 483		µg/kg dry	483	66.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 483		µg/kg dry	483	88.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 483		µg/kg dry	483	61.5	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 483		µg/kg dry	483	89.3	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 483		µg/kg dry	483	70.8	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 483		µg/kg dry	483	57.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 483		µg/kg dry	483	48.9	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 483		µg/kg dry	483	54.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 483		µg/kg dry	483	97.2	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*59*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*64*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 28.4		µg/kg dry	28.4	14.2	1	SW846 8082A	03-Oct-11	03-Oct-11	IMR	1120150	X
11104-28-2	Aroclor-1221	< 28.4		µg/kg dry	28.4	25.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 28.4		µg/kg dry	28.4	18.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 28.4		µg/kg dry	28.4	16.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 28.4		µg/kg dry	28.4	13.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 28.4		µg/kg dry	28.4	20.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 28.4		µg/kg dry	28.4	10.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 28.4		µg/kg dry	28.4	26.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 28.4		µg/kg dry	28.4	8.91	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 19.5		mg/kg dry	19.5	11.3	1	8015CM	30-Sep-11	01-Oct-11	SEW	1119981	X
68476-31-3	Fuel Oil #4	< 19.5		mg/kg dry	19.5	1.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-26-0-1-20110928-01 SB36355-03	0140857	Soil	28-Sep-11 11:10	29-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics Prepared by method SW846 3545A													
68553-00-4	Fuel Oil #6	< 19.5		mg/kg dry	19.5	11.6	1	8015CM	30-Sep-11	01-Oct-11	SEW	1119981	X
M09800000	Motor Oil	< 19.5		mg/kg dry	19.5	10.6	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 19.5		mg/kg dry	19.5	4.9	1	"	"	"	"	"	X
	Unidentified	< 19.5		mg/kg dry	19.5	4.9	1	"	"	"	"	"	X
	Other Oil	< 19.5		mg/kg dry	19.5	1.9	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 19.5		mg/kg dry	19.5	11.3	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*91*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	68.1		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119925	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-26-2.5-3.0-20110928-01	0140857	Soil	28-Sep-11 11:15	29-Sep-11
SB36355-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 412		µg/kg dry	412	46.4	1	SW846 8270D	30-Sep-11	04-Oct-11	MSL	1119995	X
208-96-8	Acenaphthylene	< 412		µg/kg dry	412	47.2	1	"	"	"	"	"	X
120-12-7	Anthracene	< 412		µg/kg dry	412	48.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 412		µg/kg dry	412	47.9	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 412		µg/kg dry	412	54.4	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 412		µg/kg dry	412	49.7	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 412		µg/kg dry	412	63.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 412		µg/kg dry	412	72.9	1	"	"	"	"	"	X
218-01-9	Chrysene	< 412		µg/kg dry	412	49.2	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 412		µg/kg dry	412	56.9	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 412		µg/kg dry	412	75.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 412		µg/kg dry	412	52.4	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 412		µg/kg dry	412	76.1	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 412		µg/kg dry	412	60.4	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 412		µg/kg dry	412	48.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 412		µg/kg dry	412	41.7	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 412		µg/kg dry	412	46.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 412		µg/kg dry	412	82.8	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*47*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*55*			*30-130 %*			"	"	"	"	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 24.2		µg/kg dry	24.2	12.1	1	SW846 8082A	03-Oct-11	03-Oct-11	IMR	1120150	X
11104-28-2	Aroclor-1221	< 24.2		µg/kg dry	24.2	21.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 24.2		µg/kg dry	24.2	15.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 24.2		µg/kg dry	24.2	14.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 24.2		µg/kg dry	24.2	11.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 24.2		µg/kg dry	24.2	17.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 24.2		µg/kg dry	24.2	9.28	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 24.2		µg/kg dry	24.2	22.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 24.2		µg/kg dry	24.2	7.60	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 16.6		mg/kg dry	16.6	9.6	1	8015CM	30-Sep-11	01-Oct-11	SEW	1119981	X
68476-31-3	Fuel Oil #4	< 16.6		mg/kg dry	16.6	1.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-26-2.5-3.0-20110928-01 SB36355-04	0140857	Soil	28-Sep-11 11:15	29-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics Prepared by method SW846 3545A													
68553-00-4	Fuel Oil #6	< 16.6		mg/kg dry	16.6	9.9	1	8015CM	30-Sep-11	01-Oct-11	SEW	1119981	X
M09800000	Motor Oil	< 16.6		mg/kg dry	16.6	9.1	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 16.6		mg/kg dry	16.6	4.1	1	"	"	"	"	"	X
	Unidentified	< 16.6		mg/kg dry	16.6	4.1	1	"	"	"	"	"	X
	Other Oil	< 16.6		mg/kg dry	16.6	1.7	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 16.6		mg/kg dry	16.6	9.6	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*90*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	79.1		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119925	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-34-1-2-20110928-01 SB36355-06	0140857	Soil	28-Sep-11 12:15	29-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 200 Series Methods													
7440-38-2	Arsenic	3.43		mg/kg dry	1.87	0.336	1	EPA 200.7	03-Oct-11	03-Oct-11	ARF	1120166	
General Chemistry Parameters													
	% Solids	76.6		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119925	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-35-1-2-20110928-01 SB36355-07	0140857	Soil	28-Sep-11 12:25	29-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 200 Series Methods													
7440-38-2	Arsenic	4.46		mg/kg dry	1.78	0.319	1	EPA 200.7	03-Oct-11	03-Oct-11	ARF	1120166	
General Chemistry Parameters													
	% Solids	74.0		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119925	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-36-1-2-20110928-01 SB36355-08	0140857	Soil	28-Sep-11 12:40	29-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 200 Series Methods													
7440-38-2	Arsenic	2.94		mg/kg dry	1.63	0.293	1	EPA 200.7	03-Oct-11	03-Oct-11	ARF	1120166	
General Chemistry Parameters													
	% Solids	83.4		%			1	SM2540 G Mod.	29-Sep-11	29-Sep-11	DT	1119925	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-27-0-2-20110928-01	0140857	Soil	28-Sep-11 15:35	29-Sep-11
SB36355-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	29-Sep-11	29-Sep-11	BD	1119973	
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.51 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 48.4		µg/kg wet	48.4	32.3	50	SW846 8260C	30-Sep-11	30-Sep-11	naa	1120008	X
67-64-1	Acetone	< 484		µg/kg wet	484	363	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 48.4		µg/kg wet	48.4	43.3	50	"	"	"	"	"	X
71-43-2	Benzene	< 48.4		µg/kg wet	48.4	25.4	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 48.4		µg/kg wet	48.4	30.9	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 48.4		µg/kg wet	48.4	15.9	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 48.4		µg/kg wet	48.4	18.3	50	"	"	"	"	"	X
75-25-2	Bromoform	< 48.4		µg/kg wet	48.4	33.4	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 96.7		µg/kg wet	96.7	87.1	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 484		µg/kg wet	484	415	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 48.4		µg/kg wet	48.4	24.1	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 48.4		µg/kg wet	48.4	46.9	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 48.4		µg/kg wet	48.4	35.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 96.7		µg/kg wet	96.7	69.1	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 48.4		µg/kg wet	48.4	48.1	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 48.4		µg/kg wet	48.4	27.0	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 96.7		µg/kg wet	96.7	68.5	50	"	"	"	"	"	X
67-66-3	Chloroform	< 48.4		µg/kg wet	48.4	23.6	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 96.7		µg/kg wet	96.7	24.3	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 48.4		µg/kg wet	48.4	29.4	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 48.4		µg/kg wet	48.4	43.3	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 96.7		µg/kg wet	96.7	91.4	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 48.4		µg/kg wet	48.4	23.2	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 48.4		µg/kg wet	48.4	30.0	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 48.4		µg/kg wet	48.4	48.3	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 48.4		µg/kg wet	48.4	38.9	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 48.4		µg/kg wet	48.4	48.1	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 48.4		µg/kg wet	48.4	32.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 96.7		µg/kg wet	96.7	81.6	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 48.4		µg/kg wet	48.4	44.1	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 48.4		µg/kg wet	48.4	27.0	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 48.4		µg/kg wet	48.4	24.0	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 48.4		µg/kg wet	48.4	20.3	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 48.4		µg/kg wet	48.4	40.1	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 48.4		µg/kg wet	48.4	24.6	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 48.4		µg/kg wet	48.4	24.3	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 48.4		µg/kg wet	48.4	19.5	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 48.4		µg/kg wet	48.4	29.8	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 48.4		µg/kg wet	48.4	26.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 48.4		µg/kg wet	48.4	13.6	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 48.4		µg/kg wet	48.4	29.4	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 48.4		µg/kg wet	48.4	41.7	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-27-0-2-20110928-01	0140857	Soil	28-Sep-11 15:35	29-Sep-11
SB36355-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.51 g							
591-78-6	2-Hexanone (MBK)	< 484		µg/kg wet	484	123	50	SW846 8260C	30-Sep-11	30-Sep-11	naa	1120008	X
98-82-8	Isopropylbenzene	< 48.4		µg/kg wet	48.4	24.3	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 48.4		µg/kg wet	48.4	20.0	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 48.4		µg/kg wet	48.4	35.2	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 484		µg/kg wet	484	157	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 96.7		µg/kg wet	96.7	24.6	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 48.4		µg/kg wet	48.4	30.0	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 48.4		µg/kg wet	48.4	29.0	50	"	"	"	"	"	X
100-42-5	Styrene	< 48.4		µg/kg wet	48.4	35.8	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 48.4		µg/kg wet	48.4	46.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 48.4		µg/kg wet	48.4	36.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 48.4		µg/kg wet	48.4	27.7	50	"	"	"	"	"	X
108-88-3	Toluene	< 48.4		µg/kg wet	48.4	43.3	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 48.4		µg/kg wet	48.4	41.9	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 48.4		µg/kg wet	48.4	36.4	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 48.4		µg/kg wet	48.4	34.2	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 48.4		µg/kg wet	48.4	38.7	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 48.4		µg/kg wet	48.4	41.6	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 48.4		µg/kg wet	48.4	37.0	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 48.4		µg/kg wet	48.4	19.5	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 48.4		µg/kg wet	48.4	21.9	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 48.4		µg/kg wet	48.4	15.8	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 48.4		µg/kg wet	48.4	47.9	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 48.4		µg/kg wet	48.4	45.4	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 96.7		µg/kg wet	96.7	93.8	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 48.4		µg/kg wet	48.4	33.0	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 96.7		µg/kg wet	96.7	89.5	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 48.4		µg/kg wet	48.4	45.1	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 48.4		µg/kg wet	48.4	38.2	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 48.4		µg/kg wet	48.4	16.9	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 48.4		µg/kg wet	48.4	15.6	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 484		µg/kg wet	484	274	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	7,680		µg/kg wet	967	792	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 242		µg/kg wet	242	124	50	"	"	"	"	"	X
64-17-5	Ethanol	< 19300		µg/kg wet	19300	4050	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-27-5-6-20110928-01 SB36355-10	0140857	Soil	28-Sep-11 16:35	29-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	29-Sep-11	29-Sep-11	BD	1119973	
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.73 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 47.7		µg/kg wet	47.7	31.8	50	SW846 8260C	30-Sep-11	30-Sep-11	naa	1120008	X
67-64-1	Acetone	< 477		µg/kg wet	477	358	50	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 47.7		µg/kg wet	47.7	42.7	50	"	"	"	"	"	X
71-43-2	Benzene	< 47.7		µg/kg wet	47.7	25.0	50	"	"	"	"	"	X
108-86-1	Bromobenzene	< 47.7		µg/kg wet	47.7	30.4	50	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 47.7		µg/kg wet	47.7	15.6	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 47.7		µg/kg wet	47.7	18.0	50	"	"	"	"	"	X
75-25-2	Bromoform	< 47.7		µg/kg wet	47.7	32.9	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 95.4		µg/kg wet	95.4	85.9	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 477		µg/kg wet	477	409	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 47.7		µg/kg wet	47.7	23.8	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 47.7		µg/kg wet	47.7	46.2	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 47.7		µg/kg wet	47.7	34.5	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 95.4		µg/kg wet	95.4	68.1	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 47.7		µg/kg wet	47.7	47.4	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 47.7		µg/kg wet	47.7	26.7	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 95.4		µg/kg wet	95.4	67.5	50	"	"	"	"	"	X
67-66-3	Chloroform	< 47.7		µg/kg wet	47.7	23.3	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 95.4		µg/kg wet	95.4	24.0	50	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 47.7		µg/kg wet	47.7	29.0	50	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 47.7		µg/kg wet	47.7	42.7	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 95.4		µg/kg wet	95.4	90.2	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 47.7		µg/kg wet	47.7	22.9	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 47.7		µg/kg wet	47.7	29.6	50	"	"	"	"	"	X
74-95-3	Dibromomethane	< 47.7		µg/kg wet	47.7	47.6	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 47.7		µg/kg wet	47.7	38.4	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 47.7		µg/kg wet	47.7	47.4	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 47.7		µg/kg wet	47.7	32.2	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 95.4		µg/kg wet	95.4	80.4	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 47.7		µg/kg wet	47.7	43.5	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 47.7		µg/kg wet	47.7	26.7	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 47.7		µg/kg wet	47.7	23.6	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 47.7		µg/kg wet	47.7	20.0	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 47.7		µg/kg wet	47.7	39.6	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 47.7		µg/kg wet	47.7	24.3	50	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 47.7		µg/kg wet	47.7	24.0	50	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 47.7		µg/kg wet	47.7	19.2	50	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 47.7		µg/kg wet	47.7	29.4	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 47.7		µg/kg wet	47.7	26.0	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 47.7		µg/kg wet	47.7	13.4	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 47.7		µg/kg wet	47.7	29.0	50	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 47.7		µg/kg wet	47.7	41.1	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-27-5-6-20110928-01	0140857	Soil	28-Sep-11 16:35	29-Sep-11
SB36355-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds			GS1										
Prepared by method SW846 5030 Soil (high level)						Initial weight: 15.73 g							
591-78-6	2-Hexanone (MBK)	< 477		µg/kg wet	477	122	50	SW846 8260C	30-Sep-11	30-Sep-11	naa	1120008	X
98-82-8	Isopropylbenzene	< 47.7		µg/kg wet	47.7	23.9	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 47.7		µg/kg wet	47.7	19.7	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 47.7		µg/kg wet	47.7	34.7	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 477		µg/kg wet	477	155	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 95.4		µg/kg wet	95.4	24.2	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 47.7		µg/kg wet	47.7	29.6	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 47.7		µg/kg wet	47.7	28.6	50	"	"	"	"	"	X
100-42-5	Styrene	< 47.7		µg/kg wet	47.7	35.3	50	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 47.7		µg/kg wet	47.7	45.8	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 47.7		µg/kg wet	47.7	36.2	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 47.7		µg/kg wet	47.7	27.3	50	"	"	"	"	"	X
108-88-3	Toluene	< 47.7		µg/kg wet	47.7	42.7	50	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 47.7		µg/kg wet	47.7	41.3	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 47.7		µg/kg wet	47.7	35.9	50	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 47.7		µg/kg wet	47.7	33.8	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 47.7		µg/kg wet	47.7	38.2	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 47.7		µg/kg wet	47.7	41.0	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 47.7		µg/kg wet	47.7	36.5	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 47.7		µg/kg wet	47.7	19.3	50	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 47.7		µg/kg wet	47.7	21.6	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 47.7		µg/kg wet	47.7	15.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 47.7		µg/kg wet	47.7	47.3	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 47.7		µg/kg wet	47.7	44.7	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 95.4		µg/kg wet	95.4	92.5	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 47.7		µg/kg wet	47.7	32.6	50	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 95.4		µg/kg wet	95.4	88.2	50	"	"	"	"	"	
60-29-7	Ethyl ether	< 47.7		µg/kg wet	47.7	44.5	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 47.7		µg/kg wet	47.7	37.6	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 47.7		µg/kg wet	47.7	16.6	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 47.7		µg/kg wet	47.7	15.4	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 477		µg/kg wet	477	270	50	"	"	"	"	"	X
123-91-1	1,4-Dioxane	5,050		µg/kg wet	954	781	50	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 238		µg/kg wet	238	122	50	"	"	"	"	"	X
64-17-5	Ethanol	< 19100		µg/kg wet	19100	3990	50	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*94*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
Blank (1120008-BLK1)					Prepared & Analyzed: 30-Sep-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0		µg/kg wet	50.0						
Acetone	< 500		µg/kg wet	500						
Acrylonitrile	< 50.0		µg/kg wet	50.0						
Benzene	< 50.0		µg/kg wet	50.0						
Bromobenzene	< 50.0		µg/kg wet	50.0						
Bromochloromethane	< 50.0		µg/kg wet	50.0						
Bromodichloromethane	< 50.0		µg/kg wet	50.0						
Bromoform	< 50.0		µg/kg wet	50.0						
Bromomethane	< 100		µg/kg wet	100						
2-Butanone (MEK)	< 500		µg/kg wet	500						
n-Butylbenzene	< 50.0		µg/kg wet	50.0						
sec-Butylbenzene	< 50.0		µg/kg wet	50.0						
tert-Butylbenzene	< 50.0		µg/kg wet	50.0						
Carbon disulfide	< 100		µg/kg wet	100						
Carbon tetrachloride	< 50.0		µg/kg wet	50.0						
Chlorobenzene	< 50.0		µg/kg wet	50.0						
Chloroethane	< 100		µg/kg wet	100						
Chloroform	< 50.0		µg/kg wet	50.0						
Chloromethane	< 100		µg/kg wet	100						
2-Chlorotoluene	< 50.0		µg/kg wet	50.0						
4-Chlorotoluene	< 50.0		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	< 100		µg/kg wet	100						
Dibromochloromethane	< 50.0		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	< 50.0		µg/kg wet	50.0						
Dibromomethane	< 50.0		µg/kg wet	50.0						
1,2-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,4-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	< 100		µg/kg wet	100						
1,1-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,2-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,1-Dichloroethene	< 50.0		µg/kg wet	50.0						
cis-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
trans-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
1,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,3-Dichloropropane	< 50.0		µg/kg wet	50.0						
2,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,1-Dichloropropene	< 50.0		µg/kg wet	50.0						
cis-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
trans-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
Ethylbenzene	< 50.0		µg/kg wet	50.0						
Hexachlorobutadiene	< 50.0		µg/kg wet	50.0						
2-Hexanone (MBK)	< 500		µg/kg wet	500						
Isopropylbenzene	< 50.0		µg/kg wet	50.0						
4-Isopropyltoluene	< 50.0		µg/kg wet	50.0						
Methyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	< 500		µg/kg wet	500						
Methylene chloride	< 100		µg/kg wet	100						
Naphthalene	< 50.0		µg/kg wet	50.0						
n-Propylbenzene	< 50.0		µg/kg wet	50.0						
Styrene	< 50.0		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
Blank (1120008-BLK1)					Prepared & Analyzed: 30-Sep-11					
1,1,2,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						
Tetrachloroethene	< 50.0		µg/kg wet	50.0						
Toluene	< 50.0		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,1,1-Trichloroethane	< 50.0		µg/kg wet	50.0						
1,1,2-Trichloroethane	< 50.0		µg/kg wet	50.0						
Trichloroethene	< 50.0		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0		µg/kg wet	50.0						
1,2,3-Trichloropropane	< 50.0		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
Vinyl chloride	< 50.0		µg/kg wet	50.0						
m,p-Xylene	< 100		µg/kg wet	100						
o-Xylene	< 50.0		µg/kg wet	50.0						
Tetrahydrofuran	< 100		µg/kg wet	100						
Ethyl ether	< 50.0		µg/kg wet	50.0						
Tert-amyl methyl ether	< 50.0		µg/kg wet	50.0						
Ethyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
Di-isopropyl ether	< 50.0		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	< 500		µg/kg wet	500						
1,4-Dioxane	< 1000		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	< 250		µg/kg wet	250						
Ethanol	< 20000		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*27.6*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*34.2*		µg/kg wet		*30.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*33.9*		µg/kg wet		*30.0*		*113*	*70-130*		
LCS (1120008-BS1)					Prepared & Analyzed: 30-Sep-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.3**		µg/kg wet		20.0		101	70-130		
Acetone	**21.1**		µg/kg wet		20.0		106	70-130		
Acrylonitrile	**19.9**		µg/kg wet		20.0		99	70-130		
Benzene	**19.2**		µg/kg wet		20.0		96	70-130		
Bromobenzene	**21.4**		µg/kg wet		20.0		107	70-130		
Bromochloromethane	**20.1**		µg/kg wet		20.0		100	70-130		
Bromodichloromethane	**21.9**		µg/kg wet		20.0		110	70-130		
Bromoform	**25.4**		µg/kg wet		20.0		127	70-130		
Bromomethane	**20.4**		µg/kg wet		20.0		102	70-130		
2-Butanone (MEK)	**22.2**		µg/kg wet		20.0		111	70-130		
n-Butylbenzene	**21.6**		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	**23.1**		µg/kg wet		20.0		116	70-130		
tert-Butylbenzene	**23.7**		µg/kg wet		20.0		119	70-130		
Carbon disulfide	**22.5**		µg/kg wet		20.0		112	70-130		
Carbon tetrachloride	**22.9**		µg/kg wet		20.0		114	70-130		
Chlorobenzene	**20.0**		µg/kg wet		20.0		100	70-130		
Chloroethane	**19.6**		µg/kg wet		20.0		98	70-130		
Chloroform	**21.3**		µg/kg wet		20.0		107	70-130		
Chloromethane	**20.9**		µg/kg wet		20.0		104	70-130		
2-Chlorotoluene	**22.6**		µg/kg wet		20.0		113	70-130		
4-Chlorotoluene	**22.2**		µg/kg wet		20.0		111	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
LCS (1120008-BS1)					Prepared & Analyzed: 30-Sep-11					
1,2-Dibromo-3-chloropropane	**22.8**		µg/kg wet		20.0		114	70-130		
Dibromochloromethane	**23.1**		µg/kg wet		20.0		115	70-130		
1,2-Dibromoethane (EDB)	**20.2**		µg/kg wet		20.0		101	70-130		
Dibromomethane	**21.0**		µg/kg wet		20.0		105	70-130		
1,2-Dichlorobenzene	**20.9**		µg/kg wet		20.0		104	70-130		
1,3-Dichlorobenzene	**22.4**		µg/kg wet		20.0		112	70-130		
1,4-Dichlorobenzene	**20.6**		µg/kg wet		20.0		103	70-130		
Dichlorodifluoromethane (Freon12)	**21.4**		µg/kg wet		20.0		107	70-130		
1,1-Dichloroethane	**19.0**		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	**20.7**		µg/kg wet		20.0		103	70-130		
1,1-Dichloroethene	**20.3**		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	**19.1**		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	**20.0**		µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	**20.2**		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	**18.5**		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	**25.5**		µg/kg wet		20.0		128	70-130		
1,1-Dichloropropene	**19.2**		µg/kg wet		20.0		96	70-130		
cis-1,3-Dichloropropene	**19.4**		µg/kg wet		20.0		97	70-130		
trans-1,3-Dichloropropene	**21.2**		µg/kg wet		20.0		106	70-130		
Ethylbenzene	**21.3**		µg/kg wet		20.0		107	70-130		
Hexachlorobutadiene	**20.7**		µg/kg wet		20.0		104	70-130		
2-Hexanone (MBK)	**21.6**		µg/kg wet		20.0		108	70-130		
Isopropylbenzene	**21.3**		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	**21.6**		µg/kg wet		20.0		108	70-130		
Methyl tert-butyl ether	**19.7**		µg/kg wet		20.0		98	70-130		
4-Methyl-2-pentanone (MIBK)	**19.2**		µg/kg wet		20.0		96	70-130		
Methylene chloride	**18.3**		µg/kg wet		20.0		92	70-130		
Naphthalene	**19.5**		µg/kg wet		20.0		98	70-130		
n-Propylbenzene	**23.3**		µg/kg wet		20.0		116	70-130		
Styrene	**20.1**		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	**22.9**		µg/kg wet		20.0		115	70-130		
1,1,2,2-Tetrachloroethane	**26.2**	QM9	µg/kg wet		20.0		131	70-130		
Tetrachloroethene	**18.2**		µg/kg wet		20.0		91	70-130		
Toluene	**18.2**		µg/kg wet		20.0		91	70-130		
1,2,3-Trichlorobenzene	**21.2**		µg/kg wet		20.0		106	70-130		
1,2,4-Trichlorobenzene	**20.0**		µg/kg wet		20.0		100	70-130		
1,3,5-Trichlorobenzene	**20.1**		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	**23.1**		µg/kg wet		20.0		116	70-130		
1,1,2-Trichloroethane	**19.3**		µg/kg wet		20.0		97	70-130		
Trichloroethene	**19.2**		µg/kg wet		20.0		96	70-130		
Trichlorofluoromethane (Freon 11)	**21.5**		µg/kg wet		20.0		108	70-130		
1,2,3-Trichloropropane	**22.0**		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	**23.6**		µg/kg wet		20.0		118	70-130		
1,3,5-Trimethylbenzene	**23.8**		µg/kg wet		20.0		119	70-130		
Vinyl chloride	**22.6**		µg/kg wet		20.0		113	70-130		
m,p-Xylene	**44.7**		µg/kg wet		40.0		112	70-130		
o-Xylene	**22.9**		µg/kg wet		20.0		114	70-130		
Tetrahydrofuran	**19.9**		µg/kg wet		20.0		99	70-130		
Ethyl ether	**19.8**		µg/kg wet		20.0		99	70-130		
Tert-amyl methyl ether	**20.8**		µg/kg wet		20.0		104	70-130		
Ethyl tert-butyl ether	**20.3**		µg/kg wet		20.0		102	70-130		
Di-isopropyl ether	**20.0**		µg/kg wet		20.0		100	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
LCS (1120008-BS1)						Prepared & Analyzed: 30-Sep-11				
Tert-Butanol / butyl alcohol	**224**		µg/kg wet		200		112	70-130		
1,4-Dioxane	**190**		µg/kg wet		200		95	70-130		
trans-1,4-Dichloro-2-butene	**23.2**		µg/kg wet		20.0		116	70-130		
Ethanol	**464**		µg/kg wet		400		116	70-130		
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*27.7*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.9*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*32.8*		µg/kg wet		*30.0*		*109*	*70-130*		
LCS Dup (1120008-BSD1)						Prepared & Analyzed: 30-Sep-11				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**21.0**		µg/kg wet		20.0		105	70-130	3	25
Acetone	**20.4**		µg/kg wet		20.0		102	70-130	4	50
Acrylonitrile	**18.5**		µg/kg wet		20.0		92	70-130	7	25
Benzene	**19.3**		µg/kg wet		20.0		96	70-130	0.3	25
Bromobenzene	**20.3**		µg/kg wet		20.0		101	70-130	6	25
Bromochloromethane	**19.6**		µg/kg wet		20.0		98	70-130	2	25
Bromodichloromethane	**21.6**		µg/kg wet		20.0		108	70-130	1	25
Bromoform	**23.8**		µg/kg wet		20.0		119	70-130	7	25
Bromomethane	**20.8**		µg/kg wet		20.0		104	70-130	2	50
2-Butanone (MEK)	**20.5**		µg/kg wet		20.0		103	70-130	8	50
n-Butylbenzene	**23.0**		µg/kg wet		20.0		115	70-130	7	25
sec-Butylbenzene	**22.4**		µg/kg wet		20.0		112	70-130	3	25
tert-Butylbenzene	**22.0**		µg/kg wet		20.0		110	70-130	7	25
Carbon disulfide	**23.3**		µg/kg wet		20.0		116	70-130	3	25
Carbon tetrachloride	**22.6**		µg/kg wet		20.0		113	70-130	1	25
Chlorobenzene	**19.4**		µg/kg wet		20.0		97	70-130	3	25
Chloroethane	**21.1**		µg/kg wet		20.0		105	70-130	7	50
Chloroform	**20.9**		µg/kg wet		20.0		104	70-130	2	25
Chloromethane	**21.9**		µg/kg wet		20.0		110	70-130	5	25
2-Chlorotoluene	**21.1**		µg/kg wet		20.0		106	70-130	7	25
4-Chlorotoluene	**21.8**		µg/kg wet		20.0		109	70-130	2	25
1,2-Dibromo-3-chloropropane	**23.8**		µg/kg wet		20.0		119	70-130	4	25
Dibromochloromethane	**22.5**		µg/kg wet		20.0		113	70-130	2	50
1,2-Dibromoethane (EDB)	**21.2**		µg/kg wet		20.0		106	70-130	5	25
Dibromomethane	**20.3**		µg/kg wet		20.0		102	70-130	3	25
1,2-Dichlorobenzene	**21.5**		µg/kg wet		20.0		108	70-130	3	25
1,3-Dichlorobenzene	**21.0**		µg/kg wet		20.0		105	70-130	6	25
1,4-Dichlorobenzene	**21.0**		µg/kg wet		20.0		105	70-130	2	25
Dichlorodifluoromethane (Freon12)	**22.5**		µg/kg wet		20.0		112	70-130	5	50
1,1-Dichloroethane	**20.5**		µg/kg wet		20.0		102	70-130	7	25
1,2-Dichloroethane	**19.3**		µg/kg wet		20.0		97	70-130	7	25
1,1-Dichloroethene	**21.3**		µg/kg wet		20.0		107	70-130	5	25
cis-1,2-Dichloroethene	**19.4**		µg/kg wet		20.0		97	70-130	2	25
trans-1,2-Dichloroethene	**21.4**		µg/kg wet		20.0		107	70-130	7	25
1,2-Dichloropropane	**20.2**		µg/kg wet		20.0		101	70-130	0.1	25
1,3-Dichloropropane	**19.5**		µg/kg wet		20.0		97	70-130	5	25
2,2-Dichloropropane	**24.1**		µg/kg wet		20.0		120	70-130	6	25
1,1-Dichloropropene	**19.3**		µg/kg wet		20.0		97	70-130	0.5	25
cis-1,3-Dichloropropene	**21.3**		µg/kg wet		20.0		107	70-130	10	25
trans-1,3-Dichloropropene	**22.8**		µg/kg wet		20.0		114	70-130	7	25
Ethylbenzene	**21.2**		µg/kg wet		20.0		106	70-130	0.8	25
Hexachlorobutadiene	**21.2**		µg/kg wet		20.0		106	70-130	2	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
LCS Dup (1120008-BSD1)					Prepared & Analyzed: 30-Sep-11					
2-Hexanone (MBK)	**20.9**		µg/kg wet		20.0		105	70-130	3	25
Isopropylbenzene	**20.9**		µg/kg wet		20.0		104	70-130	2	25
4-Isopropyltoluene	**22.7**		µg/kg wet		20.0		113	70-130	5	25
Methyl tert-butyl ether	**20.1**		µg/kg wet		20.0		100	70-130	2	25
4-Methyl-2-pentanone (MIBK)	**18.9**		µg/kg wet		20.0		94	70-130	1	50
Methylene chloride	**19.2**		µg/kg wet		20.0		96	70-130	4	25
Naphthalene	**19.2**		µg/kg wet		20.0		96	70-130	2	25
n-Propylbenzene	**21.9**		µg/kg wet		20.0		109	70-130	6	25
Styrene	**19.5**		µg/kg wet		20.0		98	70-130	3	25
1,1,1,2-Tetrachloroethane	**22.3**		µg/kg wet		20.0		112	70-130	3	25
1,1,2,2-Tetrachloroethane	**24.1**		µg/kg wet		20.0		121	70-130	8	25
Tetrachloroethene	**19.4**		µg/kg wet		20.0		97	70-130	6	25
Toluene	**20.0**		µg/kg wet		20.0		100	70-130	10	25
1,2,3-Trichlorobenzene	**21.8**		µg/kg wet		20.0		109	70-130	3	25
1,2,4-Trichlorobenzene	**21.1**		µg/kg wet		20.0		105	70-130	5	25
1,3,5-Trichlorobenzene	**20.8**		µg/kg wet		20.0		104	70-130	3	25
1,1,1-Trichloroethane	**22.8**		µg/kg wet		20.0		114	70-130	2	25
1,1,2-Trichloroethane	**20.0**		µg/kg wet		20.0		100	70-130	3	25
Trichloroethene	**19.2**		µg/kg wet		20.0		96	70-130	0.05	25
Trichlorofluoromethane (Freon 11)	**22.1**		µg/kg wet		20.0		111	70-130	3	50
1,2,3-Trichloropropane	**20.7**		µg/kg wet		20.0		103	70-130	6	25
1,2,4-Trimethylbenzene	**23.0**		µg/kg wet		20.0		115	70-130	3	25
1,3,5-Trimethylbenzene	**22.8**		µg/kg wet		20.0		114	70-130	4	25
Vinyl chloride	**23.0**		µg/kg wet		20.0		115	70-130	2	25
m,p-Xylene	**43.6**		µg/kg wet		40.0		109	70-130	3	25
o-Xylene	**22.3**		µg/kg wet		20.0		111	70-130	3	25
Tetrahydrofuran	**17.2**		µg/kg wet		20.0		86	70-130	15	25
Ethyl ether	**19.3**		µg/kg wet		20.0		96	70-130	2	50
Tert-amyl methyl ether	**19.9**		µg/kg wet		20.0		99	70-130	5	25
Ethyl tert-butyl ether	**18.4**		µg/kg wet		20.0		92	70-130	10	25
Di-isopropyl ether	**19.4**		µg/kg wet		20.0		97	70-130	3	25
Tert-Butanol / butyl alcohol	**213**		µg/kg wet		200		106	70-130	5	25
1,4-Dioxane	**163**		µg/kg wet		200		81	70-130	16	25
trans-1,4-Dichloro-2-butene	**21.7**		µg/kg wet		20.0		108	70-130	6	25
Ethanol	**442**		µg/kg wet		400		110	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1119995 - SW846 3545A										
Blank (1119995-BLK1)					Prepared: 30-Sep-11 Analyzed: 03-Oct-11					
Acenaphthene	< 165		µg/kg wet	165						
Acenaphthylene	< 165		µg/kg wet	165						
Anthracene	< 165		µg/kg wet	165						
Benzo (a) anthracene	< 165		µg/kg wet	165						
Benzo (a) pyrene	< 165		µg/kg wet	165						
Benzo (b) fluoranthene	< 165		µg/kg wet	165						
Benzo (g,h,i) perylene	< 165		µg/kg wet	165						
Benzo (k) fluoranthene	< 165		µg/kg wet	165						
Chrysene	< 165		µg/kg wet	165						
Dibenzo (a,h) anthracene	< 165		µg/kg wet	165						
Fluoranthene	< 165		µg/kg wet	165						
Fluorene	< 165		µg/kg wet	165						
Indeno (1,2,3-cd) pyrene	< 165		µg/kg wet	165						
1-Methylnaphthalene	< 165		µg/kg wet	165						
2-Methylnaphthalene	< 165		µg/kg wet	165						
Naphthalene	< 165		µg/kg wet	165						
Phenanthrene	< 165		µg/kg wet	165						
Pyrene	< 165		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*965*		µg/kg wet		*1670*		*58*	*30-130*		
Surrogate: Terphenyl-dl4	*1030*		µg/kg wet		*1670*		*62*	*30-130*		
LCS (1119995-BS1)					Prepared: 30-Sep-11 Analyzed: 03-Oct-11					
Acenaphthene	**918**		µg/kg wet	165	1670		55	40-140		
Acenaphthylene	**954**		µg/kg wet	165	1670		57	40-140		
Anthracene	**918**		µg/kg wet	165	1670		55	40-140		
Benzo (a) anthracene	**848**		µg/kg wet	165	1670		51	40-140		
Benzo (a) pyrene	**875**		µg/kg wet	165	1670		52	40-140		
Benzo (b) fluoranthene	**801**		µg/kg wet	165	1670		48	40-140		
Benzo (g,h,i) perylene	**848**		µg/kg wet	165	1670		51	40-140		
Benzo (k) fluoranthene	**893**		µg/kg wet	165	1670		54	40-140		
Chrysene	**880**		µg/kg wet	165	1670		53	40-140		
Dibenzo (a,h) anthracene	**882**		µg/kg wet	165	1670		53	40-140		
Fluoranthene	**873**		µg/kg wet	165	1670		52	40-140		
Fluorene	**925**		µg/kg wet	165	1670		55	40-140		
Indeno (1,2,3-cd) pyrene	**824**		µg/kg wet	165	1670		49	40-140		
1-Methylnaphthalene	**900**		µg/kg wet	165	1670		54	40-140		
2-Methylnaphthalene	**917**		µg/kg wet	165	1670		55	40-140		
Naphthalene	**877**		µg/kg wet	165	1670		53	40-140		
Phenanthrene	**848**		µg/kg wet	165	1670		51	40-140		
Pyrene	**835**		µg/kg wet	165	1670		50	40-140		
Surrogate: 2-Fluorobiphenyl	*934*		µg/kg wet		*1670*		*56*	*30-130*		
Surrogate: Terphenyl-dl4	*876*		µg/kg wet		*1670*		*53*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120150 - SW846 3545A										
Blank (1120150-BLK1)					Prepared & Analyzed: 03-Oct-11					
Aroclor-1016	< 20.0		µg/kg wet	20.0						
Aroclor-1016 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1221	< 20.0		µg/kg wet	20.0						
Aroclor-1221 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1232	< 20.0		µg/kg wet	20.0						
Aroclor-1232 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1242	< 20.0		µg/kg wet	20.0						
Aroclor-1242 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1248	< 20.0		µg/kg wet	20.0						
Aroclor-1248 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1254	< 20.0		µg/kg wet	20.0						
Aroclor-1254 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1260	< 20.0		µg/kg wet	20.0						
Aroclor-1260 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1262	< 20.0		µg/kg wet	20.0						
Aroclor-1262 [2C]	< 20.0		µg/kg wet	20.0						
Aroclor-1268	< 20.0		µg/kg wet	20.0						
Aroclor-1268 [2C]	< 20.0		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.0*		µg/kg wet		*20.0*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
LCS (1120150-BS1)					Prepared & Analyzed: 03-Oct-11					
Aroclor-1016	**181**		µg/kg wet	20.0	250		72	50-140		
Aroclor-1016 [2C]	**204**		µg/kg wet	20.0	250		82	50-140		
Aroclor-1260	**176**		µg/kg wet	20.0	250		70	50-140		
Aroclor-1260 [2C]	**206**		µg/kg wet	20.0	250		82	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1120150-BSD1)					Prepared & Analyzed: 03-Oct-11					
Aroclor-1016	**183**		µg/kg wet	20.0	250		73	50-140	1	30
Aroclor-1016 [2C]	**201**		µg/kg wet	20.0	250		80	50-140	1	30
Aroclor-1260	**192**		µg/kg wet	20.0	250		77	50-140	9	30
Aroclor-1260 [2C]	**211**		µg/kg wet	20.0	250		84	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.0*		µg/kg wet		*20.0*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.0*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.0*		µg/kg wet		*20.0*		*110*	*30-150*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1119981 - SW846 3545A										
Blank (1119981-BLK1)						Prepared & Analyzed: 30-Sep-11				
Fuel Oil #2	< 13.3		mg/kg wet	13.3						
Fuel Oil #4	< 13.3		mg/kg wet	13.3						
Fuel Oil #6	< 13.3		mg/kg wet	13.3						
Motor Oil	< 13.3		mg/kg wet	13.3						
Aviation Fuel	< 13.3		mg/kg wet	13.3						
Unidentified	< 13.3		mg/kg wet	13.3						
Other Oil	< 13.3		mg/kg wet	13.3						
Diesel Range Organics (DRO)	< 13.3		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*2.86*		mg/kg wet		*3.33*		*86*	*40-140*		
LCS (1119981-BS2)						Prepared: 30-Sep-11	Analyzed: 01-Oct-11			
Fuel Oil #2	**511**		mg/kg wet	13.3	667		77	40-140		
Surrogate: 1-Chlorooctadecane	*2.75*		mg/kg wet		*3.33*		*83*	*40-140*		
Duplicate (1119981-DUP2)			**Source: SB36355-01**			Prepared: 30-Sep-11	Analyzed: 04-Oct-11			
Fuel Oil #2	< 30.8		mg/kg dry	30.8		BRL				50
Fuel Oil #4	< 30.8		mg/kg dry	30.8		BRL				50
Fuel Oil #6	< 30.8		mg/kg dry	30.8		BRL				50
Motor Oil	< 30.8		mg/kg dry	30.8		BRL				50
Aviation Fuel	< 30.8		mg/kg dry	30.8		BRL				50
Unidentified	< 30.8		mg/kg dry	30.8		BRL				50
Other Oil	< 30.8		mg/kg dry	30.8		BRL				50
Diesel Range Organics (DRO)	< 30.8		mg/kg dry	30.8		BRL				50
Surrogate: 1-Chlorooctadecane	*3.28*		mg/kg dry		*3.86*		*85*	*40-140*		

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 1120166 - EPA 200 Series										
Blank (1120166-BLK1)						Prepared & Analyzed: 03-Oct-11				
Arsenic	< 1.30		mg/kg wet	1.30						
Reference (1120166-SRM1)						Prepared & Analyzed: 03-Oct-11				
Arsenic	**62.7**		mg/kg wet	1.50	62.3		101	78-122		

Notes and Definitions

GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
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.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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 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:
Kimberly Wisk

SB 36355 M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: ERM
99 East River Drive 3rd Floor
East Hartford, CT

Telephone #: 860-466-8500
Project Mgr. John Zehran

Invoice To: SAME

P.O. No.: RQN: MSA

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): P Brousseau, E Winer

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	TPH DRO 8015	PAHs 8270	PCBs 8082	Total As	VOCs 8260
36355.01	SB-25-0-1-20110928-01	9/28/11	1045	G	SO		2			X	X	X		
.02	SB-25-1.5-2.0-20110928-01		1100				2			X	X	X		
.03	SB-26-0-1-20110928-01		1110				2			X	X	X		
.04	SB-26-2.5-3.0-20110928-01		1115				2			X	X	X		
.05	SB-33-1-2-20110928-01		1155				1						X	
.06	SB-34-1-2-20110928-01		1215				1						X	
.07	SB-35-1-2-20110928-01		1225				1						X	
.08	SB-36-1-2-20110928-01		1240				1						X	
.09	SB-27-8-9-20110928-01		1535			3								X
.10	SB-27-5-6-20110928-01		1635			3								X

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[signature]	[signature]	9/29	8 55	5.1

☑ EDD Format Excel Crit/Stand.
☑ E-mail to John.Zehren@erm.com

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

SB 36355M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
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- ☑ Rush TAT - Date Needed: 3 day
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Report To: ERM
99 East River Drive 3rd Floor
East Hartford, CT

Telephone #: 860-466-8500
Project Mgr. John Zehran

Invoice To: SAME

P.O. No.: RQN: MSA

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): P Brousseau, E Winer

1=Na_2S2O_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

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X1= X2= X3=

G=Grab C=Composite

QA/QC Reporting Notes:
* additional charges may apply

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	TPH DRO 8015	PAHs 8270	PCBs 8082	Total As	VOCs 8260
36355.01	SB-25-0-1-20110928-01	9/28/11	1045	G	SO		2			X	X	X		
.02	SB-25-1.5-2.0-20110928-01		1100				2			X	X	X		
.03	SB-26-0-1-20110928-01		1110				2			X	X	X		
.04	SB-26-2.5-3.0-20110928-01		1115				2			X	X	X		
.05	SB-33-1-2-20110928-01		1155				1						X	
.06	SB-34-1-2-20110928-01		1215				1						X	
.07	SB-35-1-2-20110928-01		1225				1						X	
.08	SB-36-1-2-20110928-01		1240				1						X	
.09	SB-27-0-2-20110928-01		1535			3								X
.10	SB-27-5-6-20110928-01		1635			3								X

(*) Did Sample Per client Request 9/30/11

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	9/29	8 55	5.4

☑ EDD Format Excel Crit/Stand.
☑ E-mail to John.Zehren@erm.com

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

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com Revised July 2010

HRS Reference #108 Page 437 of 546

Report Date:
03-Oct-11 16:05

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB36366-01	SB-28-0-2-20110927-01	Soil	27-Sep-11 18:30	28-Sep-11 17:03
SB36366-02	SB-28-4-5-20110927-01	Soil	27-Sep-11 19:06	28-Sep-11 17:03

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 18 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 3.0 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 2.5 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

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

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

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.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

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

SW846 8260C

Calibration:

1109024

Analyte quantified by quadratic equation type calibration.

1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
Naphthalene
trans-1,4-Dichloro-2-butene

This affected the following samples:

1120170-BLK1
1120170-BS1
1120170-BSD1
S108569-ICV1
S108916-CCV1
SB-28-0-2-20110927-01
SB-28-4-5-20110927-01

Samples:

S108842-CCV1

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

1,1,2,2-Tetrachloroethane (31.0%)
2,2-Dichloropropane (27.6%)

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

Bromoform (27.2%)

This affected the following samples:

1120008-BLK1
1120008-BS1
1120008-BSD1

S108916-CCV1

SW846 8260C

Samples:

S108916-CCV1

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

Dichlorodifluoromethane (Freon12) (-23.7%)
Tert-amyl methyl ether (-21.0%)
Trichlorofluoromethane (Freon 11) (-20.5%)

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

1,4-Dioxane (-24.5%)

This affected the following samples:

1120170-BLK1
1120170-BS1
1120170-BSD1
SB-28-0-2-20110927-01
SB-28-4-5-20110927-01

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-28-0-2-20110927-01	0140857	Soil	27-Sep-11 18:30	28-Sep-11
SB36366-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	29-Sep-11	29-Sep-11	BD	1119973	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.52 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.5		µg/kg wet	4.5	3.0	1	SW846 8260C	03-Oct-11	03-Oct-11	JRO	1120170	X
67-64-1	Acetone	< 45.3		µg/kg wet	45.3	34.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.5		µg/kg wet	4.5	2.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.5		µg/kg wet	4.5	2.9	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.5		µg/kg wet	4.5	1.7	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.5		µg/kg wet	4.5	3.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.1		µg/kg wet	9.1	8.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 45.3		µg/kg wet	45.3	38.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.5		µg/kg wet	4.5	4.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.5		µg/kg wet	4.5	3.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.1		µg/kg wet	9.1	6.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.1		µg/kg wet	9.1	6.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.1		µg/kg wet	9.1	2.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.1		µg/kg wet	9.1	8.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.5		µg/kg wet	4.5	3.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.1		µg/kg wet	9.1	7.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.5		µg/kg wet	4.5	1.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.5		µg/kg wet	4.5	3.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.5		µg/kg wet	4.5	1.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.5		µg/kg wet	4.5	1.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-28-0-2-20110927-01	0140857	Soil	27-Sep-11 18:30	28-Sep-11
SB36366-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.52 g							
591-78-6	2-Hexanone (MBK)	< 45.3		µg/kg wet	45.3	11.6	1	SW846 8260C	03-Oct-11	03-Oct-11	JRO	1120170	X
98-82-8	Isopropylbenzene	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.5		µg/kg wet	4.5	1.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.5		µg/kg wet	4.5	3.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 45.3		µg/kg wet	45.3	14.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.1		µg/kg wet	9.1	2.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.5		µg/kg wet	4.5	2.7	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.5		µg/kg wet	4.5	3.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.5		µg/kg wet	4.5	4.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.5		µg/kg wet	4.5	3.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.5		µg/kg wet	4.5	2.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.5		µg/kg wet	4.5	3.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.5		µg/kg wet	4.5	1.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.5		µg/kg wet	4.5	2.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.5		µg/kg wet	4.5	4.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.1		µg/kg wet	9.1	8.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.5		µg/kg wet	4.5	3.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.1		µg/kg wet	9.1	8.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.5		µg/kg wet	4.5	4.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.5		µg/kg wet	4.5	1.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 45.3		µg/kg wet	45.3	25.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	164		µg/kg wet	90.6	74.2	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 22.6		µg/kg wet	22.6	11.6	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1810		µg/kg wet	1810	379	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-28-4-5-20110927-01	0140857	Soil	27-Sep-11 19:06	28-Sep-11
SB36366-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	29-Sep-11	29-Sep-11	BD	1119973	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.3 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.7		µg/kg wet	4.7	3.1	1	SW846 8260C	03-Oct-11	03-Oct-11	JRO	1120170	X
67-64-1	Acetone	< 47.2		µg/kg wet	47.2	35.4	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.7		µg/kg wet	4.7	4.2	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.7		µg/kg wet	4.7	2.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.7		µg/kg wet	4.7	3.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.7		µg/kg wet	4.7	1.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.7		µg/kg wet	4.7	1.8	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.7		µg/kg wet	4.7	3.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.4		µg/kg wet	9.4	8.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 47.2		µg/kg wet	47.2	40.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.7		µg/kg wet	4.7	2.4	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.7		µg/kg wet	4.7	4.6	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.7		µg/kg wet	4.7	3.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.4		µg/kg wet	9.4	6.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.7		µg/kg wet	4.7	4.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.7		µg/kg wet	4.7	2.6	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.4		µg/kg wet	9.4	6.7	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.7		µg/kg wet	4.7	2.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.4		µg/kg wet	9.4	2.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.7		µg/kg wet	4.7	4.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.4		µg/kg wet	9.4	8.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.7		µg/kg wet	4.7	2.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.7		µg/kg wet	4.7	4.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.7		µg/kg wet	4.7	3.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.7		µg/kg wet	4.7	4.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.7		µg/kg wet	4.7	3.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.4		µg/kg wet	9.4	8.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.7		µg/kg wet	4.7	4.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.7		µg/kg wet	4.7	2.6	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.7		µg/kg wet	4.7	2.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.7		µg/kg wet	4.7	2.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.7		µg/kg wet	4.7	3.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.7		µg/kg wet	4.7	2.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.7		µg/kg wet	4.7	2.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.7		µg/kg wet	4.7	1.9	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.7		µg/kg wet	4.7	2.6	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.7		µg/kg wet	4.7	1.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.7		µg/kg wet	4.7	4.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-28-4-5-20110927-01	0140857	Soil	27-Sep-11 19:06	28-Sep-11
SB36366-02				

Volatile Organic Compounds

Re-analysis of Volatile Organic Compounds

Prepared by method SW846 5035A Soil (low level) — Initial weight: 5.3 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
591-78-6	2-Hexanone (MBK)	< 47.2		µg/kg wet	47.2	12.0	1	SW846 8260C	03-Oct-11	03-Oct-11	JRO	1120170	X
98-82-8	Isopropylbenzene	< 4.7		µg/kg wet	4.7	2.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.7		µg/kg wet	4.7	2.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.7		µg/kg wet	4.7	3.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 47.2		µg/kg wet	47.2	15.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.4		µg/kg wet	9.4	2.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.7		µg/kg wet	4.7	2.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.7		µg/kg wet	4.7	3.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.7		µg/kg wet	4.7	4.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.7		µg/kg wet	4.7	3.6	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.7		µg/kg wet	4.7	2.7	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.7		µg/kg wet	4.7	4.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.7		µg/kg wet	4.7	4.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.7		µg/kg wet	4.7	3.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.7		µg/kg wet	4.7	3.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.7		µg/kg wet	4.7	3.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.7		µg/kg wet	4.7	4.1	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.7		µg/kg wet	4.7	3.6	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.7		µg/kg wet	4.7	1.9	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.7		µg/kg wet	4.7	2.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.7		µg/kg wet	4.7	1.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.7		µg/kg wet	4.7	4.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.7		µg/kg wet	4.7	4.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.4		µg/kg wet	9.4	9.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.7		µg/kg wet	4.7	3.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.4		µg/kg wet	9.4	8.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.7		µg/kg wet	4.7	4.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 4.7		µg/kg wet	4.7	3.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.7		µg/kg wet	4.7	1.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.7		µg/kg wet	4.7	1.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 47.2		µg/kg wet	47.2	26.7	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 94.3		µg/kg wet	94.3	77.2	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 23.6		µg/kg wet	23.6	12.1	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1890		µg/kg wet	1890	395	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*	*102*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
Blank (1120008-BLK1)					Prepared & Analyzed: 30-Sep-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0		µg/kg wet	50.0						
Acetone	< 500		µg/kg wet	500						
Acrylonitrile	< 50.0		µg/kg wet	50.0						
Benzene	< 50.0		µg/kg wet	50.0						
Bromobenzene	< 50.0		µg/kg wet	50.0						
Bromochloromethane	< 50.0		µg/kg wet	50.0						
Bromodichloromethane	< 50.0		µg/kg wet	50.0						
Bromoform	< 50.0		µg/kg wet	50.0						
Bromomethane	< 100		µg/kg wet	100						
2-Butanone (MEK)	< 500		µg/kg wet	500						
n-Butylbenzene	< 50.0		µg/kg wet	50.0						
sec-Butylbenzene	< 50.0		µg/kg wet	50.0						
tert-Butylbenzene	< 50.0		µg/kg wet	50.0						
Carbon disulfide	< 100		µg/kg wet	100						
Carbon tetrachloride	< 50.0		µg/kg wet	50.0						
Chlorobenzene	< 50.0		µg/kg wet	50.0						
Chloroethane	< 100		µg/kg wet	100						
Chloroform	< 50.0		µg/kg wet	50.0						
Chloromethane	< 100		µg/kg wet	100						
2-Chlorotoluene	< 50.0		µg/kg wet	50.0						
4-Chlorotoluene	< 50.0		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	< 100		µg/kg wet	100						
Dibromochloromethane	< 50.0		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	< 50.0		µg/kg wet	50.0						
Dibromomethane	< 50.0		µg/kg wet	50.0						
1,2-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,4-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	< 100		µg/kg wet	100						
1,1-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,2-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,1-Dichloroethene	< 50.0		µg/kg wet	50.0						
cis-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
trans-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
1,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,3-Dichloropropane	< 50.0		µg/kg wet	50.0						
2,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,1-Dichloropropene	< 50.0		µg/kg wet	50.0						
cis-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
trans-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
Ethylbenzene	< 50.0		µg/kg wet	50.0						
Hexachlorobutadiene	< 50.0		µg/kg wet	50.0						
2-Hexanone (MBK)	< 500		µg/kg wet	500						
Isopropylbenzene	< 50.0		µg/kg wet	50.0						
4-Isopropyltoluene	< 50.0		µg/kg wet	50.0						
Methyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	< 500		µg/kg wet	500						
Methylene chloride	< 100		µg/kg wet	100						
Naphthalene	< 50.0		µg/kg wet	50.0						
n-Propylbenzene	< 50.0		µg/kg wet	50.0						
Styrene	< 50.0		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
Blank (1120008-BLK1)					Prepared & Analyzed: 30-Sep-11					
1,1,2,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						
Tetrachloroethene	< 50.0		µg/kg wet	50.0						
Toluene	< 50.0		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,1,1-Trichloroethane	< 50.0		µg/kg wet	50.0						
1,1,2-Trichloroethane	< 50.0		µg/kg wet	50.0						
Trichloroethene	< 50.0		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0		µg/kg wet	50.0						
1,2,3-Trichloropropane	< 50.0		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
Vinyl chloride	< 50.0		µg/kg wet	50.0						
m,p-Xylene	< 100		µg/kg wet	100						
o-Xylene	< 50.0		µg/kg wet	50.0						
Tetrahydrofuran	< 100		µg/kg wet	100						
Ethyl ether	< 50.0		µg/kg wet	50.0						
Tert-amyl methyl ether	< 50.0		µg/kg wet	50.0						
Ethyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
Di-isopropyl ether	< 50.0		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	< 500		µg/kg wet	500						
1,4-Dioxane	< 1000		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	< 250		µg/kg wet	250						
Ethanol	< 20000		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*27.6*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*34.2*		µg/kg wet		*30.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*33.9*		µg/kg wet		*30.0*		*113*	*70-130*		
LCS (1120008-BS1)					Prepared & Analyzed: 30-Sep-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.3**		µg/kg wet		20.0		101	70-130		
Acetone	**21.1**		µg/kg wet		20.0		106	70-130		
Acrylonitrile	**19.9**		µg/kg wet		20.0		99	70-130		
Benzene	**19.2**		µg/kg wet		20.0		96	70-130		
Bromobenzene	**21.4**		µg/kg wet		20.0		107	70-130		
Bromochloromethane	**20.1**		µg/kg wet		20.0		100	70-130		
Bromodichloromethane	**21.9**		µg/kg wet		20.0		110	70-130		
Bromoform	**25.4**		µg/kg wet		20.0		127	70-130		
Bromomethane	**20.4**		µg/kg wet		20.0		102	70-130		
2-Butanone (MEK)	**22.2**		µg/kg wet		20.0		111	70-130		
n-Butylbenzene	**21.6**		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	**23.1**		µg/kg wet		20.0		116	70-130		
tert-Butylbenzene	**23.7**		µg/kg wet		20.0		119	70-130		
Carbon disulfide	**22.5**		µg/kg wet		20.0		112	70-130		
Carbon tetrachloride	**22.9**		µg/kg wet		20.0		114	70-130		
Chlorobenzene	**20.0**		µg/kg wet		20.0		100	70-130		
Chloroethane	**19.6**		µg/kg wet		20.0		98	70-130		
Chloroform	**21.3**		µg/kg wet		20.0		107	70-130		
Chloromethane	**20.9**		µg/kg wet		20.0		104	70-130		
2-Chlorotoluene	**22.6**		µg/kg wet		20.0		113	70-130		
4-Chlorotoluene	**22.2**		µg/kg wet		20.0		111	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
LCS (1120008-BS1)					Prepared & Analyzed: 30-Sep-11					
1,2-Dibromo-3-chloropropane	**22.8**		µg/kg wet		20.0		114	70-130		
Dibromochloromethane	**23.1**		µg/kg wet		20.0		115	70-130		
1,2-Dibromoethane (EDB)	**20.2**		µg/kg wet		20.0		101	70-130		
Dibromomethane	**21.0**		µg/kg wet		20.0		105	70-130		
1,2-Dichlorobenzene	**20.9**		µg/kg wet		20.0		104	70-130		
1,3-Dichlorobenzene	**22.4**		µg/kg wet		20.0		112	70-130		
1,4-Dichlorobenzene	**20.6**		µg/kg wet		20.0		103	70-130		
Dichlorodifluoromethane (Freon12)	**21.4**		µg/kg wet		20.0		107	70-130		
1,1-Dichloroethane	**19.0**		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	**20.7**		µg/kg wet		20.0		103	70-130		
1,1-Dichloroethene	**20.3**		µg/kg wet		20.0		101	70-130		
cis-1,2-Dichloroethene	**19.1**		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	**20.0**		µg/kg wet		20.0		100	70-130		
1,2-Dichloropropane	**20.2**		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	**18.5**		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	**25.5**		µg/kg wet		20.0		128	70-130		
1,1-Dichloropropene	**19.2**		µg/kg wet		20.0		96	70-130		
cis-1,3-Dichloropropene	**19.4**		µg/kg wet		20.0		97	70-130		
trans-1,3-Dichloropropene	**21.2**		µg/kg wet		20.0		106	70-130		
Ethylbenzene	**21.3**		µg/kg wet		20.0		107	70-130		
Hexachlorobutadiene	**20.7**		µg/kg wet		20.0		104	70-130		
2-Hexanone (MBK)	**21.6**		µg/kg wet		20.0		108	70-130		
Isopropylbenzene	**21.3**		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	**21.6**		µg/kg wet		20.0		108	70-130		
Methyl tert-butyl ether	**19.7**		µg/kg wet		20.0		98	70-130		
4-Methyl-2-pentanone (MIBK)	**19.2**		µg/kg wet		20.0		96	70-130		
Methylene chloride	**18.3**		µg/kg wet		20.0		92	70-130		
Naphthalene	**19.5**		µg/kg wet		20.0		98	70-130		
n-Propylbenzene	**23.3**		µg/kg wet		20.0		116	70-130		
Styrene	**20.1**		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	**22.9**		µg/kg wet		20.0		115	70-130		
1,1,2,2-Tetrachloroethane	**26.2**	QM9	µg/kg wet		20.0		131	70-130		
Tetrachloroethene	**18.2**		µg/kg wet		20.0		91	70-130		
Toluene	**18.2**		µg/kg wet		20.0		91	70-130		
1,2,3-Trichlorobenzene	**21.2**		µg/kg wet		20.0		106	70-130		
1,2,4-Trichlorobenzene	**20.0**		µg/kg wet		20.0		100	70-130		
1,3,5-Trichlorobenzene	**20.1**		µg/kg wet		20.0		101	70-130		
1,1,1-Trichloroethane	**23.1**		µg/kg wet		20.0		116	70-130		
1,1,2-Trichloroethane	**19.3**		µg/kg wet		20.0		97	70-130		
Trichloroethene	**19.2**		µg/kg wet		20.0		96	70-130		
Trichlorofluoromethane (Freon 11)	**21.5**		µg/kg wet		20.0		108	70-130		
1,2,3-Trichloropropane	**22.0**		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	**23.6**		µg/kg wet		20.0		118	70-130		
1,3,5-Trimethylbenzene	**23.8**		µg/kg wet		20.0		119	70-130		
Vinyl chloride	**22.6**		µg/kg wet		20.0		113	70-130		
m,p-Xylene	**44.7**		µg/kg wet		40.0		112	70-130		
o-Xylene	**22.9**		µg/kg wet		20.0		114	70-130		
Tetrahydrofuran	**19.9**		µg/kg wet		20.0		99	70-130		
Ethyl ether	**19.8**		µg/kg wet		20.0		99	70-130		
Tert-amyl methyl ether	**20.8**		µg/kg wet		20.0		104	70-130		
Ethyl tert-butyl ether	**20.3**		µg/kg wet		20.0		102	70-130		
Di-isopropyl ether	**20.0**		µg/kg wet		20.0		100	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
LCS (1120008-BS1)						Prepared & Analyzed: 30-Sep-11				
Tert-Butanol / butyl alcohol	**224**		µg/kg wet		200		112	70-130		
1,4-Dioxane	**190**		µg/kg wet		200		95	70-130		
trans-1,4-Dichloro-2-butene	**23.2**		µg/kg wet		20.0		116	70-130		
Ethanol	**464**		µg/kg wet		400		116	70-130		
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*27.7*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.9*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*32.8*		µg/kg wet		*30.0*		*109*	*70-130*		
LCS Dup (1120008-BSD1)						Prepared & Analyzed: 30-Sep-11				
1,1,2-Trichlorotrifluoroethane (Freon 113)	**21.0**		µg/kg wet		20.0		105	70-130	3	25
Acetone	**20.4**		µg/kg wet		20.0		102	70-130	4	50
Acrylonitrile	**18.5**		µg/kg wet		20.0		92	70-130	7	25
Benzene	**19.3**		µg/kg wet		20.0		96	70-130	0.3	25
Bromobenzene	**20.3**		µg/kg wet		20.0		101	70-130	6	25
Bromochloromethane	**19.6**		µg/kg wet		20.0		98	70-130	2	25
Bromodichloromethane	**21.6**		µg/kg wet		20.0		108	70-130	1	25
Bromoform	**23.8**		µg/kg wet		20.0		119	70-130	7	25
Bromomethane	**20.8**		µg/kg wet		20.0		104	70-130	2	50
2-Butanone (MEK)	**20.5**		µg/kg wet		20.0		103	70-130	8	50
n-Butylbenzene	**23.0**		µg/kg wet		20.0		115	70-130	7	25
sec-Butylbenzene	**22.4**		µg/kg wet		20.0		112	70-130	3	25
tert-Butylbenzene	**22.0**		µg/kg wet		20.0		110	70-130	7	25
Carbon disulfide	**23.3**		µg/kg wet		20.0		116	70-130	3	25
Carbon tetrachloride	**22.6**		µg/kg wet		20.0		113	70-130	1	25
Chlorobenzene	**19.4**		µg/kg wet		20.0		97	70-130	3	25
Chloroethane	**21.1**		µg/kg wet		20.0		105	70-130	7	50
Chloroform	**20.9**		µg/kg wet		20.0		104	70-130	2	25
Chloromethane	**21.9**		µg/kg wet		20.0		110	70-130	5	25
2-Chlorotoluene	**21.1**		µg/kg wet		20.0		106	70-130	7	25
4-Chlorotoluene	**21.8**		µg/kg wet		20.0		109	70-130	2	25
1,2-Dibromo-3-chloropropane	**23.8**		µg/kg wet		20.0		119	70-130	4	25
Dibromochloromethane	**22.5**		µg/kg wet		20.0		113	70-130	2	50
1,2-Dibromoethane (EDB)	**21.2**		µg/kg wet		20.0		106	70-130	5	25
Dibromomethane	**20.3**		µg/kg wet		20.0		102	70-130	3	25
1,2-Dichlorobenzene	**21.5**		µg/kg wet		20.0		108	70-130	3	25
1,3-Dichlorobenzene	**21.0**		µg/kg wet		20.0		105	70-130	6	25
1,4-Dichlorobenzene	**21.0**		µg/kg wet		20.0		105	70-130	2	25
Dichlorodifluoromethane (Freon12)	**22.5**		µg/kg wet		20.0		112	70-130	5	50
1,1-Dichloroethane	**20.5**		µg/kg wet		20.0		102	70-130	7	25
1,2-Dichloroethane	**19.3**		µg/kg wet		20.0		97	70-130	7	25
1,1-Dichloroethene	**21.3**		µg/kg wet		20.0		107	70-130	5	25
cis-1,2-Dichloroethene	**19.4**		µg/kg wet		20.0		97	70-130	2	25
trans-1,2-Dichloroethene	**21.4**		µg/kg wet		20.0		107	70-130	7	25
1,2-Dichloropropane	**20.2**		µg/kg wet		20.0		101	70-130	0.1	25
1,3-Dichloropropane	**19.5**		µg/kg wet		20.0		97	70-130	5	25
2,2-Dichloropropane	**24.1**		µg/kg wet		20.0		120	70-130	6	25
1,1-Dichloropropene	**19.3**		µg/kg wet		20.0		97	70-130	0.5	25
cis-1,3-Dichloropropene	**21.3**		µg/kg wet		20.0		107	70-130	10	25
trans-1,3-Dichloropropene	**22.8**		µg/kg wet		20.0		114	70-130	7	25
Ethylbenzene	**21.2**		µg/kg wet		20.0		106	70-130	0.8	25
Hexachlorobutadiene	**21.2**		µg/kg wet		20.0		106	70-130	2	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120008 - SW846 5030 Soil (high level)										
LCS Dup (1120008-BSD1)					Prepared & Analyzed: 30-Sep-11					
2-Hexanone (MBK)	**20.9**		µg/kg wet		20.0		105	70-130	3	25
Isopropylbenzene	**20.9**		µg/kg wet		20.0		104	70-130	2	25
4-Isopropyltoluene	**22.7**		µg/kg wet		20.0		113	70-130	5	25
Methyl tert-butyl ether	**20.1**		µg/kg wet		20.0		100	70-130	2	25
4-Methyl-2-pentanone (MIBK)	**18.9**		µg/kg wet		20.0		94	70-130	1	50
Methylene chloride	**19.2**		µg/kg wet		20.0		96	70-130	4	25
Naphthalene	**19.2**		µg/kg wet		20.0		96	70-130	2	25
n-Propylbenzene	**21.9**		µg/kg wet		20.0		109	70-130	6	25
Styrene	**19.5**		µg/kg wet		20.0		98	70-130	3	25
1,1,1,2-Tetrachloroethane	**22.3**		µg/kg wet		20.0		112	70-130	3	25
1,1,2,2-Tetrachloroethane	**24.1**		µg/kg wet		20.0		121	70-130	8	25
Tetrachloroethene	**19.4**		µg/kg wet		20.0		97	70-130	6	25
Toluene	**20.0**		µg/kg wet		20.0		100	70-130	10	25
1,2,3-Trichlorobenzene	**21.8**		µg/kg wet		20.0		109	70-130	3	25
1,2,4-Trichlorobenzene	**21.1**		µg/kg wet		20.0		105	70-130	5	25
1,3,5-Trichlorobenzene	**20.8**		µg/kg wet		20.0		104	70-130	3	25
1,1,1-Trichloroethane	**22.8**		µg/kg wet		20.0		114	70-130	2	25
1,1,2-Trichloroethane	**20.0**		µg/kg wet		20.0		100	70-130	3	25
Trichloroethene	**19.2**		µg/kg wet		20.0		96	70-130	0.05	25
Trichlorofluoromethane (Freon 11)	**22.1**		µg/kg wet		20.0		111	70-130	3	50
1,2,3-Trichloropropane	**20.7**		µg/kg wet		20.0		103	70-130	6	25
1,2,4-Trimethylbenzene	**23.0**		µg/kg wet		20.0		115	70-130	3	25
1,3,5-Trimethylbenzene	**22.8**		µg/kg wet		20.0		114	70-130	4	25
Vinyl chloride	**23.0**		µg/kg wet		20.0		115	70-130	2	25
m,p-Xylene	**43.6**		µg/kg wet		40.0		109	70-130	3	25
o-Xylene	**22.3**		µg/kg wet		20.0		111	70-130	3	25
Tetrahydrofuran	**17.2**		µg/kg wet		20.0		86	70-130	15	25
Ethyl ether	**19.3**		µg/kg wet		20.0		96	70-130	2	50
Tert-amyl methyl ether	**19.9**		µg/kg wet		20.0		99	70-130	5	25
Ethyl tert-butyl ether	**18.4**		µg/kg wet		20.0		92	70-130	10	25
Di-isopropyl ether	**19.4**		µg/kg wet		20.0		97	70-130	3	25
Tert-Butanol / butyl alcohol	**213**		µg/kg wet		200		106	70-130	5	25
1,4-Dioxane	**163**		µg/kg wet		200		81	70-130	16	25
trans-1,4-Dichloro-2-butene	**21.7**		µg/kg wet		20.0		108	70-130	6	25
Ethanol	**442**		µg/kg wet		400		110	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		
Batch 1120170 - SW846 5035A Soil (low level)										
Blank (1120170-BLK1)					Prepared & Analyzed: 03-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.0		µg/kg wet	5.0						
Acetone	< 50.0		µg/kg wet	50.0						
Acrylonitrile	< 5.0		µg/kg wet	5.0						
Benzene	< 5.0		µg/kg wet	5.0						
Bromobenzene	< 5.0		µg/kg wet	5.0						
Bromochloromethane	< 5.0		µg/kg wet	5.0						
Bromodichloromethane	< 5.0		µg/kg wet	5.0						
Bromoform	< 5.0		µg/kg wet	5.0						
Bromomethane	< 10.0		µg/kg wet	10.0						
2-Butanone (MEK)	< 50.0		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120170 - SW846 5035A Soil (low level)										
Blank (1120170-BLK1)					Prepared & Analyzed: 03-Oct-11					
n-Butylbenzene	< 5.0		µg/kg wet	5.0						
sec-Butylbenzene	< 5.0		µg/kg wet	5.0						
tert-Butylbenzene	< 5.0		µg/kg wet	5.0						
Carbon disulfide	< 10.0		µg/kg wet	10.0						
Carbon tetrachloride	< 5.0		µg/kg wet	5.0						
Chlorobenzene	< 5.0		µg/kg wet	5.0						
Chloroethane	< 10.0		µg/kg wet	10.0						
Chloroform	< 5.0		µg/kg wet	5.0						
Chloromethane	< 10.0		µg/kg wet	10.0						
2-Chlorotoluene	< 5.0		µg/kg wet	5.0						
4-Chlorotoluene	< 5.0		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	< 10.0		µg/kg wet	10.0						
Dibromochloromethane	< 5.0		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	< 5.0		µg/kg wet	5.0						
Dibromomethane	< 5.0		µg/kg wet	5.0						
1,2-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,4-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	< 10.0		µg/kg wet	10.0						
1,1-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,2-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,1-Dichloroethene	< 5.0		µg/kg wet	5.0						
cis-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
trans-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
1,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,3-Dichloropropane	< 5.0		µg/kg wet	5.0						
2,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,1-Dichloropropene	< 5.0		µg/kg wet	5.0						
cis-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
trans-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
Ethylbenzene	< 5.0		µg/kg wet	5.0						
Hexachlorobutadiene	< 5.0		µg/kg wet	5.0						
2-Hexanone (MBK)	< 50.0		µg/kg wet	50.0						
Isopropylbenzene	< 5.0		µg/kg wet	5.0						
4-Isopropyltoluene	< 5.0		µg/kg wet	5.0						
Methyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	< 50.0		µg/kg wet	50.0						
Methylene chloride	< 10.0		µg/kg wet	10.0						
Naphthalene	< 5.0		µg/kg wet	5.0						
n-Propylbenzene	< 5.0		µg/kg wet	5.0						
Styrene	< 5.0		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						
Tetrachloroethene	< 5.0		µg/kg wet	5.0						
Toluene	< 5.0		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,1,1-Trichloroethane	< 5.0		µg/kg wet	5.0						
1,1,2-Trichloroethane	< 5.0		µg/kg wet	5.0						
Trichloroethene	< 5.0		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	< 5.0		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120170 - SW846 5035A Soil (low level)										
Blank (1120170-BLK1)					Prepared & Analyzed: 03-Oct-11					
1,2,3-Trichloropropane	< 5.0		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
Vinyl chloride	< 5.0		µg/kg wet	5.0						
m,p-Xylene	< 10.0		µg/kg wet	10.0						
o-Xylene	< 5.0		µg/kg wet	5.0						
Tetrahydrofuran	< 10.0		µg/kg wet	10.0						
Ethyl ether	< 5.0		µg/kg wet	5.0						
Tert-amyl methyl ether	< 5.0		µg/kg wet	5.0						
Ethyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
Di-isopropyl ether	< 5.0		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	< 50.0		µg/kg wet	50.0						
1,4-Dioxane	< 100		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	< 25.0		µg/kg wet	25.0						
Ethanol	< 2000		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*46.5*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.0*		µg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS (1120170-BS1)					Prepared & Analyzed: 03-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**16.6**		µg/kg wet		20.0		83	70-130		
Acetone	**17.4**		µg/kg wet		20.0		87	70-130		
Acrylonitrile	**18.6**		µg/kg wet		20.0		93	70-130		
Benzene	**18.8**		µg/kg wet		20.0		94	70-130		
Bromobenzene	**18.2**		µg/kg wet		20.0		91	70-130		
Bromochloromethane	**17.9**		µg/kg wet		20.0		89	70-130		
Bromodichloromethane	**17.6**		µg/kg wet		20.0		88	70-130		
Bromoform	**17.3**		µg/kg wet		20.0		86	70-130		
Bromomethane	**16.6**		µg/kg wet		20.0		83	70-130		
2-Butanone (MEK)	**16.5**		µg/kg wet		20.0		82	70-130		
n-Butylbenzene	**16.7**		µg/kg wet		20.0		84	70-130		
sec-Butylbenzene	**17.6**		µg/kg wet		20.0		88	70-130		
tert-Butylbenzene	**18.2**		µg/kg wet		20.0		91	70-130		
Carbon disulfide	**17.8**		µg/kg wet		20.0		89	70-130		
Carbon tetrachloride	**15.9**		µg/kg wet		20.0		79	70-130		
Chlorobenzene	**17.4**		µg/kg wet		20.0		87	70-130		
Chloroethane	**16.5**		µg/kg wet		20.0		82	70-130		
Chloroform	**16.7**		µg/kg wet		20.0		84	70-130		
Chloromethane	**14.7**		µg/kg wet		20.0		73	70-130		
2-Chlorotoluene	**17.5**		µg/kg wet		20.0		87	70-130		
4-Chlorotoluene	**17.9**		µg/kg wet		20.0		90	70-130		
1,2-Dibromo-3-chloropropane	**18.2**		µg/kg wet		20.0		91	70-130		
Dibromochloromethane	**18.5**		µg/kg wet		20.0		92	70-130		
1,2-Dibromoethane (EDB)	**19.9**		µg/kg wet		20.0		99	70-130		
Dibromomethane	**17.4**		µg/kg wet		20.0		87	70-130		
1,2-Dichlorobenzene	**18.3**		µg/kg wet		20.0		92	70-130		
1,3-Dichlorobenzene	**17.9**		µg/kg wet		20.0		89	70-130		
1,4-Dichlorobenzene	**17.2**		µg/kg wet		20.0		86	70-130		
Dichlorodifluoromethane (Freon12)	**14.3**		µg/kg wet		20.0		71	70-130		
1,1-Dichloroethane	**17.5**		µg/kg wet		20.0		88	70-130		
1,2-Dichloroethane	**16.8**		µg/kg wet		20.0		84	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120170 - SW846 5035A Soil (low level)										
LCS (1120170-BS1)					Prepared & Analyzed: 03-Oct-11					
1,1-Dichloroethene	**17.9**		µg/kg wet		20.0		89	70-130		
cis-1,2-Dichloroethene	**18.6**		µg/kg wet		20.0		93	70-130		
trans-1,2-Dichloroethene	**18.2**		µg/kg wet		20.0		91	70-130		
1,2-Dichloropropane	**18.1**		µg/kg wet		20.0		91	70-130		
1,3-Dichloropropane	**18.9**		µg/kg wet		20.0		95	70-130		
2,2-Dichloropropane	**16.9**		µg/kg wet		20.0		84	70-130		
1,1-Dichloropropene	**18.2**		µg/kg wet		20.0		91	70-130		
cis-1,3-Dichloropropene	**16.8**		µg/kg wet		20.0		84	70-130		
trans-1,3-Dichloropropene	**16.3**		µg/kg wet		20.0		82	70-130		
Ethylbenzene	**18.5**		µg/kg wet		20.0		93	70-130		
Hexachlorobutadiene	**16.5**		µg/kg wet		20.0		83	70-130		
2-Hexanone (MBK)	**17.4**		µg/kg wet		20.0		87	70-130		
Isopropylbenzene	**18.1**		µg/kg wet		20.0		90	70-130		
4-Isopropyltoluene	**17.8**		µg/kg wet		20.0		89	70-130		
Methyl tert-butyl ether	**22.8**		µg/kg wet		20.0		114	70-130		
4-Methyl-2-pentanone (MIBK)	**21.4**		µg/kg wet		20.0		107	70-130		
Methylene chloride	**17.4**		µg/kg wet		20.0		87	70-130		
Naphthalene	**18.8**		µg/kg wet		20.0		94	70-130		
n-Propylbenzene	**18.5**		µg/kg wet		20.0		93	70-130		
Styrene	**18.9**		µg/kg wet		20.0		94	70-130		
1,1,1,2-Tetrachloroethane	**17.4**		µg/kg wet		20.0		87	70-130		
1,1,2,2-Tetrachloroethane	**19.0**		µg/kg wet		20.0		95	70-130		
Tetrachloroethene	**17.3**		µg/kg wet		20.0		87	70-130		
Toluene	**18.1**		µg/kg wet		20.0		90	70-130		
1,2,3-Trichlorobenzene	**17.9**		µg/kg wet		20.0		90	70-130		
1,2,4-Trichlorobenzene	**18.3**		µg/kg wet		20.0		91	70-130		
1,3,5-Trichlorobenzene	**19.4**		µg/kg wet		20.0		97	70-130		
1,1,1-Trichloroethane	**17.0**		µg/kg wet		20.0		85	70-130		
1,1,2-Trichloroethane	**18.8**		µg/kg wet		20.0		94	70-130		
Trichloroethene	**17.8**		µg/kg wet		20.0		89	70-130		
Trichlorofluoromethane (Freon 11)	**15.2**		µg/kg wet		20.0		76	70-130		
1,2,3-Trichloropropane	**18.8**		µg/kg wet		20.0		94	70-130		
1,2,4-Trimethylbenzene	**18.1**		µg/kg wet		20.0		90	70-130		
1,3,5-Trimethylbenzene	**18.0**		µg/kg wet		20.0		90	70-130		
Vinyl chloride	**16.4**		µg/kg wet		20.0		82	70-130		
m,p-Xylene	**37.8**		µg/kg wet		40.0		94	70-130		
o-Xylene	**18.8**		µg/kg wet		20.0		94	70-130		
Tetrahydrofuran	**18.7**		µg/kg wet		20.0		94	70-130		
Ethyl ether	**18.8**		µg/kg wet		20.0		94	70-130		
Tert-amyl methyl ether	**15.4**		µg/kg wet		20.0		77	70-130		
Ethyl tert-butyl ether	**22.9**		µg/kg wet		20.0		115	70-130		
Di-isopropyl ether	**18.5**		µg/kg wet		20.0		93	70-130		
Tert-Butanol / butyl alcohol	**217**		µg/kg wet		200		109	70-130		
1,4-Dioxane	**180**		µg/kg wet		200		90	70-130		
trans-1,4-Dichloro-2-butene	**19.1**		µg/kg wet		20.0		96	70-130		
Ethanol	**312**		µg/kg wet		400		78	70-130		
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*51.8*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*44.6*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*48.7*		µg/kg wet		*50.0*		*97*	*70-130*		
LCS Dup (1120170-BSD1)					Prepared & Analyzed: 03-Oct-11					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120170 - SW846 5035A Soil (low level)										
LCS Dup (1120170-BSD1)					Prepared & Analyzed: 03-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**16.6**		µg/kg wet		20.0		83	70-130	0.06	25
Acetone	**16.0**		µg/kg wet		20.0		80	70-130	8	50
Acrylonitrile	**18.7**		µg/kg wet		20.0		94	70-130	0.6	25
Benzene	**19.1**		µg/kg wet		20.0		96	70-130	2	25
Bromobenzene	**18.4**		µg/kg wet		20.0		92	70-130	1	25
Bromochloromethane	**18.7**		µg/kg wet		20.0		93	70-130	4	25
Bromodichloromethane	**17.8**		µg/kg wet		20.0		89	70-130	0.6	25
Bromoform	**17.6**		µg/kg wet		20.0		88	70-130	2	25
Bromomethane	**17.1**		µg/kg wet		20.0		86	70-130	3	50
2-Butanone (MEK)	**18.4**		µg/kg wet		20.0		92	70-130	11	50
n-Butylbenzene	**17.0**		µg/kg wet		20.0		85	70-130	2	25
sec-Butylbenzene	**17.7**		µg/kg wet		20.0		88	70-130	0.6	25
tert-Butylbenzene	**18.0**		µg/kg wet		20.0		90	70-130	2	25
Carbon disulfide	**18.0**		µg/kg wet		20.0		90	70-130	2	25
Carbon tetrachloride	**15.9**		µg/kg wet		20.0		80	70-130	0.2	25
Chlorobenzene	**17.6**		µg/kg wet		20.0		88	70-130	1	25
Chloroethane	**17.2**		µg/kg wet		20.0		86	70-130	4	50
Chloroform	**16.8**		µg/kg wet		20.0		84	70-130	0.4	25
Chloromethane	**15.4**		µg/kg wet		20.0		77	70-130	5	25
2-Chlorotoluene	**17.8**		µg/kg wet		20.0		89	70-130	2	25
4-Chlorotoluene	**17.7**		µg/kg wet		20.0		89	70-130	1	25
1,2-Dibromo-3-chloropropane	**18.2**		µg/kg wet		20.0		91	70-130	0.2	25
Dibromochloromethane	**18.3**		µg/kg wet		20.0		91	70-130	1	50
1,2-Dibromoethane (EDB)	**19.3**		µg/kg wet		20.0		97	70-130	3	25
Dibromomethane	**17.5**		µg/kg wet		20.0		87	70-130	0.3	25
1,2-Dichlorobenzene	**18.8**		µg/kg wet		20.0		94	70-130	3	25
1,3-Dichlorobenzene	**18.2**		µg/kg wet		20.0		91	70-130	2	25
1,4-Dichlorobenzene	**17.7**		µg/kg wet		20.0		88	70-130	3	25
Dichlorodifluoromethane (Freon12)	**14.3**		µg/kg wet		20.0		72	70-130	0.4	50
1,1-Dichloroethane	**17.6**		µg/kg wet		20.0		88	70-130	0.1	25
1,2-Dichloroethane	**16.6**		µg/kg wet		20.0		83	70-130	1	25
1,1-Dichloroethene	**18.0**		µg/kg wet		20.0		90	70-130	0.5	25
cis-1,2-Dichloroethene	**18.6**		µg/kg wet		20.0		93	70-130	0.1	25
trans-1,2-Dichloroethene	**17.9**		µg/kg wet		20.0		89	70-130	2	25
1,2-Dichloropropane	**18.7**		µg/kg wet		20.0		94	70-130	3	25
1,3-Dichloropropane	**18.7**		µg/kg wet		20.0		94	70-130	1	25
2,2-Dichloropropane	**16.9**		µg/kg wet		20.0		85	70-130	0.1	25
1,1-Dichloropropene	**18.5**		µg/kg wet		20.0		93	70-130	2	25
cis-1,3-Dichloropropene	**16.6**		µg/kg wet		20.0		83	70-130	1	25
trans-1,3-Dichloropropene	**16.6**		µg/kg wet		20.0		83	70-130	2	25
Ethylbenzene	**18.7**		µg/kg wet		20.0		94	70-130	1	25
Hexachlorobutadiene	**17.0**		µg/kg wet		20.0		85	70-130	3	50
2-Hexanone (MBK)	**17.6**		µg/kg wet		20.0		88	70-130	1	25
Isopropylbenzene	**18.2**		µg/kg wet		20.0		91	70-130	0.6	25
4-Isopropyltoluene	**18.6**		µg/kg wet		20.0		93	70-130	4	25
Methyl tert-butyl ether	**22.9**		µg/kg wet		20.0		115	70-130	0.7	25
4-Methyl-2-pentanone (MIBK)	**18.5**		µg/kg wet		20.0		92	70-130	15	50
Methylene chloride	**17.2**		µg/kg wet		20.0		86	70-130	0.7	25
Naphthalene	**18.6**		µg/kg wet		20.0		93	70-130	1	25
n-Propylbenzene	**18.6**		µg/kg wet		20.0		93	70-130	0.5	25
Styrene	**19.1**		µg/kg wet		20.0		96	70-130	1	25
1,1,1,2-Tetrachloroethane	**17.6**		µg/kg wet		20.0		88	70-130	0.8	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120170 - SW846 5035A Soil (low level)										
LCS Dup (1120170-BSD1)					Prepared & Analyzed: 03-Oct-11					
1,1,2,2-Tetrachloroethane	**19.2**		µg/kg wet		20.0		96	70-130	0.7	25
Tetrachloroethene	**17.9**		µg/kg wet		20.0		89	70-130	3	25
Toluene	**18.4**		µg/kg wet		20.0		92	70-130	2	25
1,2,3-Trichlorobenzene	**17.6**		µg/kg wet		20.0		88	70-130	2	25
1,2,4-Trichlorobenzene	**18.7**		µg/kg wet		20.0		93	70-130	2	25
1,3,5-Trichlorobenzene	**19.2**		µg/kg wet		20.0		96	70-130	0.8	25
1,1,1-Trichloroethane	**17.0**		µg/kg wet		20.0		85	70-130	0.4	25
1,1,2-Trichloroethane	**19.3**		µg/kg wet		20.0		97	70-130	3	25
Trichloroethene	**17.8**		µg/kg wet		20.0		89	70-130	0.2	25
Trichlorofluoromethane (Freon 11)	**15.1**		µg/kg wet		20.0		75	70-130	0.9	50
1,2,3-Trichloropropane	**18.6**		µg/kg wet		20.0		93	70-130	1	25
1,2,4-Trimethylbenzene	**18.4**		µg/kg wet		20.0		92	70-130	2	25
1,3,5-Trimethylbenzene	**18.2**		µg/kg wet		20.0		91	70-130	1	25
Vinyl chloride	**16.8**		µg/kg wet		20.0		84	70-130	3	25
m,p-Xylene	**38.4**		µg/kg wet		40.0		96	70-130	2	25
o-Xylene	**19.1**		µg/kg wet		20.0		96	70-130	2	25
Tetrahydrofuran	**18.9**		µg/kg wet		20.0		94	70-130	0.9	25
Ethyl ether	**19.3**		µg/kg wet		20.0		96	70-130	3	50
Tert-amyl methyl ether	**15.7**		µg/kg wet		20.0		79	70-130	3	25
Ethyl tert-butyl ether	**23.2**		µg/kg wet		20.0		116	70-130	1	25
Di-isopropyl ether	**18.5**		µg/kg wet		20.0		93	70-130	0	25
Tert-Butanol / butyl alcohol	**217**		µg/kg wet		200		108	70-130	0.2	25
1,4-Dioxane	**160**		µg/kg wet		200		80	70-130	12	25
trans-1,4-Dichloro-2-butene	**19.4**		µg/kg wet		20.0		97	70-130	2	25
Ethanol	**309**		µg/kg wet		400		77	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*43.5*		µg/kg wet		*50.0*		*87*	*70-130*		
Surrogate: Dibromofluoromethane	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		

Notes and Definitions

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.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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:
Kimberly Wisk

SB 34326 M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

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

Report To: ERM
East Hartford, CT
Telephone #: 860-466-8500
Project Mgr. J. Zehren

Invoice To: SAME
P.O. No.: RQN: MSA

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): PAB, JZ

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: n/a

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOCs 8260
34326.01	SB-28-0-2'-20110927-01	9/27/11	1830	G	SO	3				X
.02	SB-28-4-5-20110927-01	↓	1906	G	SB	3				X

Containers: 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:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	9-28-11	1330	3°
[signature]	[signature]	9/28/11	1703	2.5°

☑ EDD Format Excel Criteria/Stand.
☑ E-mail to John.Zehren@erm.com

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

Report Date:
05-Oct-11 13:38

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB36468-01	SB-29-0-2-20110928-01	Soil	28-Sep-11 18:20	30-Sep-11 10:42
SB36468-02	SB-29-2-4-20110928-01	Soil	28-Sep-11 18:25	30-Sep-11 10:42
SB36468-03	SB-29-5-7-20110928-01	Soil	28-Sep-11 18:40	30-Sep-11 10:42
SB36468-04	SB-37-1-2-20110929-01	Soil	29-Sep-11 14:15	30-Sep-11 10:42
SB36468-05	SB-30-0-2-20110929-01	Soil	29-Sep-11 15:40	30-Sep-11 10:42
SB36468-06	SB-30-5-6-20110929-01	Soil	29-Sep-11 15:50	30-Sep-11 10:42
SB36468-07	SB-30-6-7-20110929-01	Soil	29-Sep-11 15:55	30-Sep-11 10:42
SB36468-08	SB-31-0-2-20110929-01	Soil	29-Sep-11 20:05	30-Sep-11 10:42
SB36468-09	SB-31-4-6-20110929-01	Soil	29-Sep-11 20:50	30-Sep-11 10:42
SB36468-10	SB-31-6.2-7.2-20110929-01	Soil	29-Sep-11 21:00	30-Sep-11 10:42

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 39 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.

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CASE NARRATIVE:

The samples were received 2.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. 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.

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.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

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

EPA 200.7

Duplicates:

1120238-DUP1 *Source: SB36468-04*

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

Arsenic

SW846 8260C

Calibration:

1109024

Analyte quantified by quadratic equation type calibration.

1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
Naphthalene
trans-1,4-Dichloro-2-butene

This affected the following samples:

1120306-BLK1
1120306-BS1
1120306-BSD1
S108569-ICV1
S108986-CCV1
SB-29-0-2-20110928-01
SB-29-2-4-20110928-01
SB-30-0-2-20110929-01
SB-30-5-6-20110929-01
SB-31-0-2-20110929-01
SB-31-4-6-20110929-01

Spikes:

1120174-MS1 *Source: SB36468-05*

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

Bromomethane
Chloromethane
n-Butylbenzene

SW846 8260C

Samples:

S108890-CCV1

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

Methylene chloride (-20.3%)

This affected the following samples:

1120132-BLK1
1120132-BS1
1120132-BSD1

S108911-CCV1

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

Bromoform (26.7%)

This affected the following samples:

1120174-BLK1
1120174-BS1
1120174-BSD1
1120174-MS1
1120174-MSD1

S108986-CCV1

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

Acetone (28.7%)

This affected the following samples:

1120306-BLK1
1120306-BS1
1120306-BSD1
SB-29-0-2-20110928-01
SB-29-2-4-20110928-01
SB-30-0-2-20110929-01
SB-30-5-6-20110929-01
SB-31-0-2-20110929-01
SB-31-4-6-20110929-01

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29-0-2-20110928-01	0140857	Soil	28-Sep-11 18:20	30-Sep-11
SB36468-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.83 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.2		µg/kg wet	5.2	3.5	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
67-64-1	Acetone	< 51.8		µg/kg wet	51.8	38.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 5.2		µg/kg wet	5.2	4.6	1	"	"	"	"	"	X
71-43-2	Benzene	< 5.2		µg/kg wet	5.2	2.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 5.2		µg/kg wet	5.2	3.3	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 5.2		µg/kg wet	5.2	1.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.2		µg/kg wet	5.2	2.0	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.2		µg/kg wet	5.2	3.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 10.4		µg/kg wet	10.4	9.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 51.8		µg/kg wet	51.8	44.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5.2		µg/kg wet	5.2	2.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.2		µg/kg wet	5.2	5.0	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.2		µg/kg wet	5.2	3.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10.4		µg/kg wet	10.4	7.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.2		µg/kg wet	5.2	5.1	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.2		µg/kg wet	5.2	2.9	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 10.4		µg/kg wet	10.4	7.3	1	"	"	"	"	"	X
67-66-3	Chloroform	< 5.2		µg/kg wet	5.2	2.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 10.4		µg/kg wet	10.4	2.6	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 5.2		µg/kg wet	5.2	3.2	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 5.2		µg/kg wet	5.2	4.6	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 10.4		µg/kg wet	10.4	9.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.2		µg/kg wet	5.2	2.5	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 5.2		µg/kg wet	5.2	3.2	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 5.2		µg/kg wet	5.2	5.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.2		µg/kg wet	5.2	4.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.2		µg/kg wet	5.2	5.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.2		µg/kg wet	5.2	3.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10.4		µg/kg wet	10.4	8.7	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.2		µg/kg wet	5.2	4.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.2		µg/kg wet	5.2	2.9	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.2		µg/kg wet	5.2	2.6	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.2		µg/kg wet	5.2	2.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.2		µg/kg wet	5.2	4.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.2		µg/kg wet	5.2	2.6	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 5.2		µg/kg wet	5.2	2.6	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 5.2		µg/kg wet	5.2	2.1	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 5.2		µg/kg wet	5.2	3.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.2		µg/kg wet	5.2	2.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.2		µg/kg wet	5.2	1.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.2		µg/kg wet	5.2	3.2	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 5.2		µg/kg wet	5.2	4.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29-0-2-20110928-01	0140857	Soil	28-Sep-11 18:20	30-Sep-11
SB36468-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.83 g							
591-78-6	2-Hexanone (MBK)	< 51.8		µg/kg wet	51.8	13.2	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
98-82-8	Isopropylbenzene	< 5.2		µg/kg wet	5.2	2.6	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.2		µg/kg wet	5.2	2.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.2		µg/kg wet	5.2	3.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 51.8		µg/kg wet	51.8	16.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10.4		µg/kg wet	10.4	2.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.2		µg/kg wet	5.2	3.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.2		µg/kg wet	5.2	3.1	1	"	"	"	"	"	X
100-42-5	Styrene	< 5.2		µg/kg wet	5.2	3.8	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 5.2		µg/kg wet	5.2	5.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.2		µg/kg wet	5.2	3.9	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.2		µg/kg wet	5.2	3.0	1	"	"	"	"	"	X
108-88-3	Toluene	< 5.2		µg/kg wet	5.2	4.6	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 5.2		µg/kg wet	5.2	4.5	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 5.2		µg/kg wet	5.2	3.9	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 5.2		µg/kg wet	5.2	3.7	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 5.2		µg/kg wet	5.2	4.1	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 5.2		µg/kg wet	5.2	4.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.2		µg/kg wet	5.2	4.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.2		µg/kg wet	5.2	2.1	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 5.2		µg/kg wet	5.2	2.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5.2		µg/kg wet	5.2	1.7	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5.2		µg/kg wet	5.2	5.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.2		µg/kg wet	5.2	4.9	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 10.4		µg/kg wet	10.4	10.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 5.2		µg/kg wet	5.2	3.5	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 10.4		µg/kg wet	10.4	9.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5.2		µg/kg wet	5.2	4.8	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 5.2		µg/kg wet	5.2	4.1	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 5.2		µg/kg wet	5.2	1.8	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 5.2		µg/kg wet	5.2	1.7	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 51.8		µg/kg wet	51.8	29.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 104		µg/kg wet	104	84.8	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 25.9		µg/kg wet	25.9	13.3	1	"	"	"	"	"	X
64-17-5	Ethanol	< 2070		µg/kg wet	2070	433	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*89*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29-2-4-20110928-01	0140857	Soil	28-Sep-11 18:25	30-Sep-11
SB36468-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.52 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.5		µg/kg wet	4.5	3.0	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
67-64-1	Acetone	< 45.3		µg/kg wet	45.3	34.0	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.5		µg/kg wet	4.5	2.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.5		µg/kg wet	4.5	2.9	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.5		µg/kg wet	4.5	1.7	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.5		µg/kg wet	4.5	3.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.1		µg/kg wet	9.1	8.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 45.3		µg/kg wet	45.3	38.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.5		µg/kg wet	4.5	4.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.5		µg/kg wet	4.5	3.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.1		µg/kg wet	9.1	6.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.1		µg/kg wet	9.1	6.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.1		µg/kg wet	9.1	2.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.1		µg/kg wet	9.1	8.6	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.5		µg/kg wet	4.5	3.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.1		µg/kg wet	9.1	7.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.5		µg/kg wet	4.5	1.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.5		µg/kg wet	4.5	3.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.5		µg/kg wet	4.5	1.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.5		µg/kg wet	4.5	1.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29-2-4-20110928-01	0140857	Soil	28-Sep-11 18:25	30-Sep-11
SB36468-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.52 g							
591-78-6	2-Hexanone (MBK)	< 45.3		µg/kg wet	45.3	11.6	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
98-82-8	Isopropylbenzene	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.5		µg/kg wet	4.5	1.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.5		µg/kg wet	4.5	3.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 45.3		µg/kg wet	45.3	14.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.1		µg/kg wet	9.1	2.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.5		µg/kg wet	4.5	2.7	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.5		µg/kg wet	4.5	3.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.5		µg/kg wet	4.5	4.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.5		µg/kg wet	4.5	3.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.5		µg/kg wet	4.5	2.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.5		µg/kg wet	4.5	3.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.5		µg/kg wet	4.5	1.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.5		µg/kg wet	4.5	2.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.5		µg/kg wet	4.5	4.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.1		µg/kg wet	9.1	8.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.5		µg/kg wet	4.5	3.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.1		µg/kg wet	9.1	8.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.5		µg/kg wet	4.5	4.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.5		µg/kg wet	4.5	1.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 45.3		µg/kg wet	45.3	25.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 90.6		µg/kg wet	90.6	74.2	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 22.6		µg/kg wet	22.6	11.6	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1810		µg/kg wet	1810	379	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-29-5-7-20110928-01 SB36468-03	0140857	Soil	28-Sep-11 18:40	30-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-37-1-2-20110929-01 SB36468-04	0140857	Soil	29-Sep-11 14:15	30-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 200 Series Methods													
7440-38-2	Arsenic	**4.36**		mg/kg dry	1.86	0.334	1	EPA 200.7	04-Oct-11	04-Oct-11	ARF	1120238	
General Chemistry Parameters													
	% Solids	**73.7**		%			1	SM2540 G Mod.	03-Oct-11	03-Oct-11	BD	1120202	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-30-0-2-20110929-01	0140857	Soil	29-Sep-11 15:40	30-Sep-11
SB36468-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.77 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.3		µg/kg wet	4.3	2.9	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
67-64-1	Acetone	< 43.3		µg/kg wet	43.3	32.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.3		µg/kg wet	4.3	3.9	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.3		µg/kg wet	4.3	2.3	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.3		µg/kg wet	4.3	2.8	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.3		µg/kg wet	4.3	1.4	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.3		µg/kg wet	4.3	1.6	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.3		µg/kg wet	4.3	3.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 8.7		µg/kg wet	8.7	7.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 43.3		µg/kg wet	43.3	37.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.3		µg/kg wet	4.3	2.2	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.3		µg/kg wet	4.3	4.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.3		µg/kg wet	4.3	3.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 8.7		µg/kg wet	8.7	6.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.3		µg/kg wet	4.3	4.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.3		µg/kg wet	4.3	2.4	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 8.7		µg/kg wet	8.7	6.1	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.3		µg/kg wet	4.3	2.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 8.7		µg/kg wet	8.7	2.2	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.3		µg/kg wet	4.3	2.6	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.3		µg/kg wet	4.3	3.9	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 8.7		µg/kg wet	8.7	8.2	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.3		µg/kg wet	4.3	2.1	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.3		µg/kg wet	4.3	2.7	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.3		µg/kg wet	4.3	4.3	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.3		µg/kg wet	4.3	3.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.3		µg/kg wet	4.3	4.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.3		µg/kg wet	4.3	2.9	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 8.7		µg/kg wet	8.7	7.3	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.3		µg/kg wet	4.3	4.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.3		µg/kg wet	4.3	2.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.3		µg/kg wet	4.3	2.1	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.3		µg/kg wet	4.3	1.8	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.3		µg/kg wet	4.3	3.6	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.3		µg/kg wet	4.3	2.2	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.3		µg/kg wet	4.3	2.2	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.3		µg/kg wet	4.3	1.7	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.3		µg/kg wet	4.3	2.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.3		µg/kg wet	4.3	2.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.3		µg/kg wet	4.3	1.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.3		µg/kg wet	4.3	2.6	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.3		µg/kg wet	4.3	3.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-30-0-2-20110929-01	0140857	Soil	29-Sep-11 15:40	30-Sep-11
SB36468-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.77 g							
591-78-6	2-Hexanone (MBK)	< 43.3		µg/kg wet	43.3	11.1	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
98-82-8	Isopropylbenzene	< 4.3		µg/kg wet	4.3	2.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.3		µg/kg wet	4.3	1.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.3		µg/kg wet	4.3	3.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 43.3		µg/kg wet	43.3	14.1	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 8.7		µg/kg wet	8.7	2.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.3		µg/kg wet	4.3	2.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.3		µg/kg wet	4.3	2.6	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.3		µg/kg wet	4.3	3.2	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.3		µg/kg wet	4.3	4.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.3		µg/kg wet	4.3	3.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.3		µg/kg wet	4.3	2.5	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.3		µg/kg wet	4.3	3.9	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.3		µg/kg wet	4.3	3.8	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.3		µg/kg wet	4.3	3.3	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.3		µg/kg wet	4.3	3.1	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.3		µg/kg wet	4.3	3.5	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.3		µg/kg wet	4.3	3.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.3		µg/kg wet	4.3	3.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.3		µg/kg wet	4.3	1.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.3		µg/kg wet	4.3	2.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.3		µg/kg wet	4.3	1.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.3		µg/kg wet	4.3	4.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.3		µg/kg wet	4.3	4.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 8.7		µg/kg wet	8.7	8.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.3		µg/kg wet	4.3	3.0	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 8.7		µg/kg wet	8.7	8.0	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.3		µg/kg wet	4.3	4.0	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 4.3		µg/kg wet	4.3	3.4	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.3		µg/kg wet	4.3	1.5	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.3		µg/kg wet	4.3	1.4	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 43.3		µg/kg wet	43.3	24.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 86.7		µg/kg wet	86.7	70.9	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 21.7		µg/kg wet	21.7	11.1	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1730		µg/kg wet	1730	362	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*123*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-30-5-6-20110929-01	0140857	Soil	29-Sep-11 15:50	30-Sep-11
SB36468-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.33 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.7		µg/kg wet	4.7	3.1	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
67-64-1	Acetone	< 46.9		µg/kg wet	46.9	35.2	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.7		µg/kg wet	4.7	4.2	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.7		µg/kg wet	4.7	2.5	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.7		µg/kg wet	4.7	3.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.7		µg/kg wet	4.7	1.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.7		µg/kg wet	4.7	1.8	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.7		µg/kg wet	4.7	3.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.4		µg/kg wet	9.4	8.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 46.9		µg/kg wet	46.9	40.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.7		µg/kg wet	4.7	2.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.7		µg/kg wet	4.7	4.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.7		µg/kg wet	4.7	3.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.4		µg/kg wet	9.4	6.7	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.7		µg/kg wet	4.7	4.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.7		µg/kg wet	4.7	2.6	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.4		µg/kg wet	9.4	6.6	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.7		µg/kg wet	4.7	2.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.4		µg/kg wet	9.4	2.4	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.7		µg/kg wet	4.7	4.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.4		µg/kg wet	9.4	8.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.7		µg/kg wet	4.7	2.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.7		µg/kg wet	4.7	4.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.7		µg/kg wet	4.7	3.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.7		µg/kg wet	4.7	4.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.7		µg/kg wet	4.7	3.2	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.4		µg/kg wet	9.4	7.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.7		µg/kg wet	4.7	4.3	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.7		µg/kg wet	4.7	2.6	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.7		µg/kg wet	4.7	2.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.7		µg/kg wet	4.7	2.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.7		µg/kg wet	4.7	3.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.7		µg/kg wet	4.7	2.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.7		µg/kg wet	4.7	2.4	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.7		µg/kg wet	4.7	1.9	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.7		µg/kg wet	4.7	2.6	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.7		µg/kg wet	4.7	1.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.7		µg/kg wet	4.7	4.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-30-5-6-20110929-01	0140857	Soil	29-Sep-11 15:50	30-Sep-11
SB36468-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.33 g							
591-78-6	2-Hexanone (MBK)	< 46.9		µg/kg wet	46.9	12.0	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
98-82-8	Isopropylbenzene	< 4.7		µg/kg wet	4.7	2.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.7		µg/kg wet	4.7	1.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.7		µg/kg wet	4.7	3.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 46.9		µg/kg wet	46.9	15.3	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.4		µg/kg wet	9.4	2.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.7		µg/kg wet	4.7	2.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.7		µg/kg wet	4.7	2.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.7		µg/kg wet	4.7	3.5	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.7		µg/kg wet	4.7	4.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.7		µg/kg wet	4.7	3.6	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.7		µg/kg wet	4.7	2.7	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.7		µg/kg wet	4.7	4.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.7		µg/kg wet	4.7	4.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.7		µg/kg wet	4.7	3.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.7		µg/kg wet	4.7	3.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.7		µg/kg wet	4.7	3.8	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.7		µg/kg wet	4.7	4.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.7		µg/kg wet	4.7	3.6	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.7		µg/kg wet	4.7	1.9	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.7		µg/kg wet	4.7	2.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.7		µg/kg wet	4.7	1.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.7		µg/kg wet	4.7	4.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.7		µg/kg wet	4.7	4.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.4		µg/kg wet	9.4	9.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.7		µg/kg wet	4.7	3.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.4		µg/kg wet	9.4	8.7	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.7		µg/kg wet	4.7	4.4	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 4.7		µg/kg wet	4.7	3.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.7		µg/kg wet	4.7	1.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.7		µg/kg wet	4.7	1.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 46.9		µg/kg wet	46.9	26.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 93.8		µg/kg wet	93.8	76.8	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 23.5		µg/kg wet	23.5	12.0	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1880		µg/kg wet	1880	392	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-30-6-7-20110929-01 SB36468-07	0140857	Soil	29-Sep-11 15:55	30-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-31-0-2-20110929-01	0140857	Soil	29-Sep-11 20:05	30-Sep-11
SB36468-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.54 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.5		µg/kg wet	4.5	3.0	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
67-64-1	Acetone	< 45.1		µg/kg wet	45.1	33.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.5		µg/kg wet	4.5	4.0	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.5		µg/kg wet	4.5	2.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.5		µg/kg wet	4.5	2.9	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.5		µg/kg wet	4.5	1.7	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.5		µg/kg wet	4.5	3.1	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.0		µg/kg wet	9.0	8.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 45.1		µg/kg wet	45.1	38.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.5		µg/kg wet	4.5	4.4	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.5		µg/kg wet	4.5	3.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.0		µg/kg wet	9.0	6.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.0		µg/kg wet	9.0	6.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.0		µg/kg wet	9.0	2.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.5		µg/kg wet	4.5	2.7	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.5		µg/kg wet	4.5	4.0	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.0		µg/kg wet	9.0	8.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.5		µg/kg wet	4.5	3.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.0		µg/kg wet	9.0	7.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.5		µg/kg wet	4.5	4.1	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.5		µg/kg wet	4.5	2.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.5		µg/kg wet	4.5	1.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.5		µg/kg wet	4.5	3.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.5		µg/kg wet	4.5	1.8	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.5		µg/kg wet	4.5	2.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.5		µg/kg wet	4.5	1.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.5		µg/kg wet	4.5	2.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-31-0-2-20110929-01	0140857	Soil	29-Sep-11 20:05	30-Sep-11
SB36468-08				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.54 g							
591-78-6	2-Hexanone (MBK)	< 45.1		µg/kg wet	45.1	11.5	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
98-82-8	Isopropylbenzene	< 4.5		µg/kg wet	4.5	2.3	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.5		µg/kg wet	4.5	1.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.5		µg/kg wet	4.5	3.3	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 45.1		µg/kg wet	45.1	14.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.0		µg/kg wet	9.0	2.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.5		µg/kg wet	4.5	2.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.5		µg/kg wet	4.5	2.7	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.5		µg/kg wet	4.5	3.3	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.5		µg/kg wet	4.5	4.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.5		µg/kg wet	4.5	3.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.5		µg/kg wet	4.5	2.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.5		µg/kg wet	4.5	4.0	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.5		µg/kg wet	4.5	3.2	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.5		µg/kg wet	4.5	3.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.5		µg/kg wet	4.5	3.5	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.5		µg/kg wet	4.5	1.8	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.5		µg/kg wet	4.5	2.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.5		µg/kg wet	4.5	4.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.5		µg/kg wet	4.5	4.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.0		µg/kg wet	9.0	8.7	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.5		µg/kg wet	4.5	3.1	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.0		µg/kg wet	9.0	8.3	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.5		µg/kg wet	4.5	4.2	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 4.5		µg/kg wet	4.5	3.6	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.5		µg/kg wet	4.5	1.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.5		µg/kg wet	4.5	1.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 45.1		µg/kg wet	45.1	25.5	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 90.3		µg/kg wet	90.3	73.9	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 22.6		µg/kg wet	22.6	11.6	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1810		µg/kg wet	1810	378	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*120*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-31-4-6-20110929-01	0140857	Soil	29-Sep-11 20:50	30-Sep-11
SB36468-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.39 g							
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.6		µg/kg wet	4.6	3.1	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
67-64-1	Acetone	**51.8**		µg/kg wet	46.4	34.9	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 4.6		µg/kg wet	4.6	4.2	1	"	"	"	"	"	X
71-43-2	Benzene	< 4.6		µg/kg wet	4.6	2.4	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 4.6		µg/kg wet	4.6	3.0	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 4.6		µg/kg wet	4.6	1.5	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.6		µg/kg wet	4.6	1.8	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.6		µg/kg wet	4.6	3.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.3		µg/kg wet	9.3	8.4	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 46.4		µg/kg wet	46.4	39.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.6		µg/kg wet	4.6	2.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.6		µg/kg wet	4.6	4.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.6		µg/kg wet	4.6	3.4	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.3		µg/kg wet	9.3	6.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.6		µg/kg wet	4.6	4.6	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.6		µg/kg wet	4.6	2.6	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.3		µg/kg wet	9.3	6.6	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.6		µg/kg wet	4.6	2.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.3		µg/kg wet	9.3	2.3	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 4.6		µg/kg wet	4.6	2.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 4.6		µg/kg wet	4.6	4.2	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 9.3		µg/kg wet	9.3	8.8	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.6		µg/kg wet	4.6	2.2	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 4.6		µg/kg wet	4.6	2.9	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 4.6		µg/kg wet	4.6	4.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.6		µg/kg wet	4.6	3.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.6		µg/kg wet	4.6	4.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.6		µg/kg wet	4.6	3.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.3		µg/kg wet	9.3	7.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.6		µg/kg wet	4.6	4.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.6		µg/kg wet	4.6	2.6	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.6		µg/kg wet	4.6	2.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.6		µg/kg wet	4.6	1.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.6		µg/kg wet	4.6	3.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.6		µg/kg wet	4.6	2.4	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 4.6		µg/kg wet	4.6	2.3	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 4.6		µg/kg wet	4.6	1.9	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 4.6		µg/kg wet	4.6	2.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.6		µg/kg wet	4.6	2.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.6		µg/kg wet	4.6	1.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.6		µg/kg wet	4.6	2.8	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 4.6		µg/kg wet	4.6	4.0	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-31-4-6-20110929-01	0140857	Soil	29-Sep-11 20:50	30-Sep-11
SB36468-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.39 g							
591-78-6	2-Hexanone (MBK)	< 46.4		µg/kg wet	46.4	11.8	1	SW846 8260C	04-Oct-11	04-Oct-11	JRO	1120306	X
98-82-8	Isopropylbenzene	< 4.6		µg/kg wet	4.6	2.3	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.6		µg/kg wet	4.6	1.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.6		µg/kg wet	4.6	3.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 46.4		µg/kg wet	46.4	15.1	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.3		µg/kg wet	9.3	2.4	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.6		µg/kg wet	4.6	2.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.6		µg/kg wet	4.6	2.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.6		µg/kg wet	4.6	3.4	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 4.6		µg/kg wet	4.6	4.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.6		µg/kg wet	4.6	3.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.6		µg/kg wet	4.6	2.7	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.6		µg/kg wet	4.6	4.2	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 4.6		µg/kg wet	4.6	4.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 4.6		µg/kg wet	4.6	3.5	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 4.6		µg/kg wet	4.6	3.3	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 4.6		µg/kg wet	4.6	3.7	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 4.6		µg/kg wet	4.6	4.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.6		µg/kg wet	4.6	3.6	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.6		µg/kg wet	4.6	1.9	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 4.6		µg/kg wet	4.6	2.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.6		µg/kg wet	4.6	1.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.6		µg/kg wet	4.6	4.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.6		µg/kg wet	4.6	4.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.3		µg/kg wet	9.3	9.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.6		µg/kg wet	4.6	3.2	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 9.3		µg/kg wet	9.3	8.6	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 4.6		µg/kg wet	4.6	4.3	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 4.6		µg/kg wet	4.6	3.7	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	< 4.6		µg/kg wet	4.6	1.6	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	< 4.6		µg/kg wet	4.6	1.5	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	< 46.4		µg/kg wet	46.4	26.3	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 92.8		µg/kg wet	92.8	76.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 23.2		µg/kg wet	23.2	11.9	1	"	"	"	"	"	X
64-17-5	Ethanol	< 1860		µg/kg wet	1860	388	1	"	"	"	"	"	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*92*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*104*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*121*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*110*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-31-6.2-7.2-20110929-01 SB36468-10	0140857	Soil	29-Sep-11 21:00	30-Sep-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction	30-Sep-11	30-Sep-11	BD	1120102	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120132 - SW846 5030 Soil (high level)										
Blank (1120132-BLK1)					Prepared & Analyzed: 01-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0		µg/kg wet	50.0						
Acetone	< 500		µg/kg wet	500						
Acrylonitrile	< 50.0		µg/kg wet	50.0						
Benzene	< 50.0		µg/kg wet	50.0						
Bromobenzene	< 50.0		µg/kg wet	50.0						
Bromochloromethane	< 50.0		µg/kg wet	50.0						
Bromodichloromethane	< 50.0		µg/kg wet	50.0						
Bromoform	< 50.0		µg/kg wet	50.0						
Bromomethane	< 100		µg/kg wet	100						
2-Butanone (MEK)	< 500		µg/kg wet	500						
n-Butylbenzene	< 50.0		µg/kg wet	50.0						
sec-Butylbenzene	< 50.0		µg/kg wet	50.0						
tert-Butylbenzene	< 50.0		µg/kg wet	50.0						
Carbon disulfide	< 100		µg/kg wet	100						
Carbon tetrachloride	< 50.0		µg/kg wet	50.0						
Chlorobenzene	< 50.0		µg/kg wet	50.0						
Chloroethane	< 100		µg/kg wet	100						
Chloroform	< 50.0		µg/kg wet	50.0						
Chloromethane	< 100		µg/kg wet	100						
2-Chlorotoluene	< 50.0		µg/kg wet	50.0						
4-Chlorotoluene	< 50.0		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	< 100		µg/kg wet	100						
Dibromochloromethane	< 50.0		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	< 50.0		µg/kg wet	50.0						
Dibromomethane	< 50.0		µg/kg wet	50.0						
1,2-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,4-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	< 100		µg/kg wet	100						
1,1-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,2-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,1-Dichloroethene	< 50.0		µg/kg wet	50.0						
cis-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
trans-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
1,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,3-Dichloropropane	< 50.0		µg/kg wet	50.0						
2,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,1-Dichloropropene	< 50.0		µg/kg wet	50.0						
cis-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
trans-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
Ethylbenzene	< 50.0		µg/kg wet	50.0						
Hexachlorobutadiene	< 50.0		µg/kg wet	50.0						
2-Hexanone (MBK)	< 500		µg/kg wet	500						
Isopropylbenzene	< 50.0		µg/kg wet	50.0						
4-Isopropyltoluene	< 50.0		µg/kg wet	50.0						
Methyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	< 500		µg/kg wet	500						
Methylene chloride	< 100		µg/kg wet	100						
Naphthalene	< 50.0		µg/kg wet	50.0						
n-Propylbenzene	< 50.0		µg/kg wet	50.0						
Styrene	< 50.0		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120132 - SW846 5030 Soil (high level)										
Blank (1120132-BLK1)					Prepared & Analyzed: 01-Oct-11					
1,1,2,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						
Tetrachloroethene	< 50.0		µg/kg wet	50.0						
Toluene	< 50.0		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,1,1-Trichloroethane	< 50.0		µg/kg wet	50.0						
1,1,2-Trichloroethane	< 50.0		µg/kg wet	50.0						
Trichloroethene	< 50.0		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0		µg/kg wet	50.0						
1,2,3-Trichloropropane	< 50.0		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
Vinyl chloride	< 50.0		µg/kg wet	50.0						
m,p-Xylene	< 100		µg/kg wet	100						
o-Xylene	< 50.0		µg/kg wet	50.0						
Tetrahydrofuran	< 100		µg/kg wet	100						
Ethyl ether	< 50.0		µg/kg wet	50.0						
Tert-amyl methyl ether	< 50.0		µg/kg wet	50.0						
Ethyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
Di-isopropyl ether	< 50.0		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	< 500		µg/kg wet	500						
1,4-Dioxane	< 1000		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	< 250		µg/kg wet	250						
Ethanol	< 20000		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*28.0*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/kg wet		*30.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
LCS (1120132-BS1)					Prepared & Analyzed: 01-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**16.6**		µg/kg wet		20.0		83	70-130		
Acetone	**16.6**		µg/kg wet		20.0		83	70-130		
Acrylonitrile	**17.7**		µg/kg wet		20.0		88	70-130		
Benzene	**18.9**		µg/kg wet		20.0		95	70-130		
Bromobenzene	**20.2**		µg/kg wet		20.0		101	70-130		
Bromochloromethane	**17.1**		µg/kg wet		20.0		86	70-130		
Bromodichloromethane	**19.6**		µg/kg wet		20.0		98	70-130		
Bromoform	**22.8**		µg/kg wet		20.0		114	70-130		
Bromomethane	**16.9**		µg/kg wet		20.0		84	70-130		
2-Butanone (MEK)	**18.5**		µg/kg wet		20.0		92	70-130		
n-Butylbenzene	**21.6**		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	**20.8**		µg/kg wet		20.0		104	70-130		
tert-Butylbenzene	**21.6**		µg/kg wet		20.0		108	70-130		
Carbon disulfide	**19.1**		µg/kg wet		20.0		96	70-130		
Carbon tetrachloride	**18.6**		µg/kg wet		20.0		93	70-130		
Chlorobenzene	**19.6**		µg/kg wet		20.0		98	70-130		
Chloroethane	**17.6**		µg/kg wet		20.0		88	70-130		
Chloroform	**16.9**		µg/kg wet		20.0		85	70-130		
Chloromethane	**19.3**		µg/kg wet		20.0		97	70-130		
2-Chlorotoluene	**19.9**		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	**20.4**		µg/kg wet		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120132 - SW846 5030 Soil (high level)										
LCS (1120132-BS1)					Prepared & Analyzed: 01-Oct-11					
1,2-Dibromo-3-chloropropane	**22.1**		µg/kg wet		20.0		111	70-130		
Dibromochloromethane	**21.1**		µg/kg wet		20.0		105	70-130		
1,2-Dibromoethane (EDB)	**20.0**		µg/kg wet		20.0		100	70-130		
Dibromomethane	**19.3**		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	**21.1**		µg/kg wet		20.0		105	70-130		
1,3-Dichlorobenzene	**20.3**		µg/kg wet		20.0		101	70-130		
1,4-Dichlorobenzene	**19.9**		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	**17.9**		µg/kg wet		20.0		90	70-130		
1,1-Dichloroethane	**17.0**		µg/kg wet		20.0		85	70-130		
1,2-Dichloroethane	**17.4**		µg/kg wet		20.0		87	70-130		
1,1-Dichloroethene	**17.7**		µg/kg wet		20.0		88	70-130		
cis-1,2-Dichloroethene	**16.8**		µg/kg wet		20.0		84	70-130		
trans-1,2-Dichloroethene	**17.2**		µg/kg wet		20.0		86	70-130		
1,2-Dichloropropane	**19.5**		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	**18.7**		µg/kg wet		20.0		94	70-130		
2,2-Dichloropropane	**21.8**		µg/kg wet		20.0		109	70-130		
1,1-Dichloropropene	**18.5**		µg/kg wet		20.0		92	70-130		
cis-1,3-Dichloropropene	**20.9**		µg/kg wet		20.0		104	70-130		
trans-1,3-Dichloropropene	**22.0**		µg/kg wet		20.0		110	70-130		
Ethylbenzene	**21.1**		µg/kg wet		20.0		105	70-130		
Hexachlorobutadiene	**18.5**		µg/kg wet		20.0		93	70-130		
2-Hexanone (MBK)	**20.3**		µg/kg wet		20.0		101	70-130		
Isopropylbenzene	**20.0**		µg/kg wet		20.0		100	70-130		
4-Isopropyltoluene	**21.8**		µg/kg wet		20.0		109	70-130		
Methyl tert-butyl ether	**17.8**		µg/kg wet		20.0		89	70-130		
4-Methyl-2-pentanone (MIBK)	**20.8**		µg/kg wet		20.0		104	70-130		
Methylene chloride	**16.0**		µg/kg wet		20.0		80	70-130		
Naphthalene	**19.9**		µg/kg wet		20.0		99	70-130		
n-Propylbenzene	**22.1**		µg/kg wet		20.0		110	70-130		
Styrene	**20.0**		µg/kg wet		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	**21.9**		µg/kg wet		20.0		109	70-130		
1,1,2,2-Tetrachloroethane	**23.5**		µg/kg wet		20.0		117	70-130		
Tetrachloroethene	**18.4**		µg/kg wet		20.0		92	70-130		
Toluene	**18.4**		µg/kg wet		20.0		92	70-130		
1,2,3-Trichlorobenzene	**20.9**		µg/kg wet		20.0		105	70-130		
1,2,4-Trichlorobenzene	**20.2**		µg/kg wet		20.0		101	70-130		
1,3,5-Trichlorobenzene	**20.1**		µg/kg wet		20.0		100	70-130		
1,1,1-Trichloroethane	**19.5**		µg/kg wet		20.0		97	70-130		
1,1,2-Trichloroethane	**19.5**		µg/kg wet		20.0		97	70-130		
Trichloroethene	**17.8**		µg/kg wet		20.0		89	70-130		
Trichlorofluoromethane (Freon 11)	**16.9**		µg/kg wet		20.0		84	70-130		
1,2,3-Trichloropropane	**19.8**		µg/kg wet		20.0		99	70-130		
1,2,4-Trimethylbenzene	**22.0**		µg/kg wet		20.0		110	70-130		
1,3,5-Trimethylbenzene	**22.1**		µg/kg wet		20.0		110	70-130		
Vinyl chloride	**17.9**		µg/kg wet		20.0		90	70-130		
m,p-Xylene	**43.3**		µg/kg wet		40.0		108	70-130		
o-Xylene	**21.9**		µg/kg wet		20.0		110	70-130		
Tetrahydrofuran	**19.0**		µg/kg wet		20.0		95	70-130		
Ethyl ether	**17.7**		µg/kg wet		20.0		88	70-130		
Tert-amyl methyl ether	**20.0**		µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	**19.4**		µg/kg wet		20.0		97	70-130		
Di-isopropyl ether	**17.8**		µg/kg wet		20.0		89	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120132 - SW846 5030 Soil (high level)										
LCS (1120132-BS1)					Prepared & Analyzed: 01-Oct-11					
Tert-Butanol / butyl alcohol	**191**		µg/kg wet		200		95	70-130		
1,4-Dioxane	**187**		µg/kg wet		200		94	70-130		
trans-1,4-Dichloro-2-butene	**22.1**		µg/kg wet		20.0		111	70-130		
Ethanol	**383**		µg/kg wet		400		96	70-130		
Surrogate: 4-Bromofluorobenzene	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.7*		µg/kg wet		*30.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
LCS Dup (1120132-BSD1)					Prepared & Analyzed: 01-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**17.6**		µg/kg wet		20.0		88	70-130	6	25
Acetone	**16.7**		µg/kg wet		20.0		83	70-130	0.3	50
Acrylonitrile	**18.0**		µg/kg wet		20.0		90	70-130	2	25
Benzene	**19.1**		µg/kg wet		20.0		95	70-130	0.7	25
Bromobenzene	**21.4**		µg/kg wet		20.0		107	70-130	6	25
Bromochloromethane	**18.0**		µg/kg wet		20.0		90	70-130	5	25
Bromodichloromethane	**18.9**		µg/kg wet		20.0		95	70-130	4	25
Bromoform	**24.8**		µg/kg wet		20.0		124	70-130	8	25
Bromomethane	**17.5**		µg/kg wet		20.0		87	70-130	3	50
2-Butanone (MEK)	**19.4**		µg/kg wet		20.0		97	70-130	5	50
n-Butylbenzene	**21.2**		µg/kg wet		20.0		106	70-130	2	25
sec-Butylbenzene	**22.7**		µg/kg wet		20.0		113	70-130	8	25
tert-Butylbenzene	**23.0**		µg/kg wet		20.0		115	70-130	6	25
Carbon disulfide	**19.8**		µg/kg wet		20.0		99	70-130	4	25
Carbon tetrachloride	**19.4**		µg/kg wet		20.0		97	70-130	4	25
Chlorobenzene	**20.2**		µg/kg wet		20.0		101	70-130	3	25
Chloroethane	**17.8**		µg/kg wet		20.0		89	70-130	1	50
Chloroform	**18.6**		µg/kg wet		20.0		93	70-130	10	25
Chloromethane	**20.0**		µg/kg wet		20.0		100	70-130	4	25
2-Chlorotoluene	**20.8**		µg/kg wet		20.0		104	70-130	4	25
4-Chlorotoluene	**22.3**		µg/kg wet		20.0		111	70-130	9	25
1,2-Dibromo-3-chloropropane	**22.3**		µg/kg wet		20.0		112	70-130	0.9	25
Dibromochloromethane	**20.6**		µg/kg wet		20.0		103	70-130	2	50
1,2-Dibromoethane (EDB)	**20.1**		µg/kg wet		20.0		101	70-130	0.7	25
Dibromomethane	**19.4**		µg/kg wet		20.0		97	70-130	0.1	25
1,2-Dichlorobenzene	**21.5**		µg/kg wet		20.0		108	70-130	2	25
1,3-Dichlorobenzene	**21.8**		µg/kg wet		20.0		109	70-130	7	25
1,4-Dichlorobenzene	**20.5**		µg/kg wet		20.0		103	70-130	3	25
Dichlorodifluoromethane (Freon12)	**19.4**		µg/kg wet		20.0		97	70-130	8	50
1,1-Dichloroethane	**17.4**		µg/kg wet		20.0		87	70-130	3	25
1,2-Dichloroethane	**17.8**		µg/kg wet		20.0		89	70-130	3	25
1,1-Dichloroethene	**18.1**		µg/kg wet		20.0		90	70-130	2	25
cis-1,2-Dichloroethene	**17.1**		µg/kg wet		20.0		85	70-130	2	25
trans-1,2-Dichloroethene	**18.0**		µg/kg wet		20.0		90	70-130	4	25
1,2-Dichloropropane	**19.7**		µg/kg wet		20.0		99	70-130	1	25
1,3-Dichloropropane	**18.3**		µg/kg wet		20.0		91	70-130	2	25
2,2-Dichloropropane	**21.8**		µg/kg wet		20.0		109	70-130	0.5	25
1,1-Dichloropropene	**18.8**		µg/kg wet		20.0		94	70-130	1	25
cis-1,3-Dichloropropene	**20.1**		µg/kg wet		20.0		101	70-130	4	25
trans-1,3-Dichloropropene	**22.1**		µg/kg wet		20.0		110	70-130	0.5	25
Ethylbenzene	**22.0**		µg/kg wet		20.0		110	70-130	4	25
Hexachlorobutadiene	**20.0**		µg/kg wet		20.0		100	70-130	8	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120132 - SW846 5030 Soil (high level)										
LCS Dup (1120132-BSD1)					Prepared & Analyzed: 01-Oct-11					
2-Hexanone (MBK)	**19.2**		µg/kg wet		20.0		96	70-130	5	25
Isopropylbenzene	**20.9**		µg/kg wet		20.0		105	70-130	5	25
4-Isopropyltoluene	**22.0**		µg/kg wet		20.0		110	70-130	1	25
Methyl tert-butyl ether	**18.1**		µg/kg wet		20.0		90	70-130	1	25
4-Methyl-2-pentanone (MIBK)	**21.3**		µg/kg wet		20.0		107	70-130	2	50
Methylene chloride	**16.4**		µg/kg wet		20.0		82	70-130	3	25
Naphthalene	**21.1**		µg/kg wet		20.0		106	70-130	6	25
n-Propylbenzene	**21.7**		µg/kg wet		20.0		108	70-130	2	25
Styrene	**21.3**		µg/kg wet		20.0		106	70-130	6	25
1,1,1,2-Tetrachloroethane	**22.2**		µg/kg wet		20.0		111	70-130	1	25
1,1,2,2-Tetrachloroethane	**24.6**		µg/kg wet		20.0		123	70-130	5	25
Tetrachloroethene	**18.5**		µg/kg wet		20.0		92	70-130	0.7	25
Toluene	**18.4**		µg/kg wet		20.0		92	70-130	0.3	25
1,2,3-Trichlorobenzene	**22.2**		µg/kg wet		20.0		111	70-130	6	25
1,2,4-Trichlorobenzene	**21.2**		µg/kg wet		20.0		106	70-130	5	25
1,3,5-Trichlorobenzene	**21.1**		µg/kg wet		20.0		105	70-130	5	25
1,1,1-Trichloroethane	**19.8**		µg/kg wet		20.0		99	70-130	2	25
1,1,2-Trichloroethane	**19.5**		µg/kg wet		20.0		98	70-130	0.3	25
Trichloroethene	**17.7**		µg/kg wet		20.0		89	70-130	0.5	25
Trichlorofluoromethane (Freon 11)	**18.0**		µg/kg wet		20.0		90	70-130	6	50
1,2,3-Trichloropropane	**21.5**		µg/kg wet		20.0		107	70-130	8	25
1,2,4-Trimethylbenzene	**23.8**		µg/kg wet		20.0		119	70-130	8	25
1,3,5-Trimethylbenzene	**23.9**		µg/kg wet		20.0		119	70-130	8	25
Vinyl chloride	**16.6**		µg/kg wet		20.0		83	70-130	7	25
m,p-Xylene	**46.5**		µg/kg wet		40.0		116	70-130	7	25
o-Xylene	**23.1**		µg/kg wet		20.0		116	70-130	5	25
Tetrahydrofuran	**19.8**		µg/kg wet		20.0		99	70-130	4	25
Ethyl ether	**18.0**		µg/kg wet		20.0		90	70-130	2	50
Tert-amyl methyl ether	**20.2**		µg/kg wet		20.0		101	70-130	1	25
Ethyl tert-butyl ether	**19.6**		µg/kg wet		20.0		98	70-130	1	25
Di-isopropyl ether	**18.0**		µg/kg wet		20.0		90	70-130	1	25
Tert-Butanol / butyl alcohol	**201**		µg/kg wet		200		101	70-130	5	25
1,4-Dioxane	**191**		µg/kg wet		200		96	70-130	2	25
trans-1,4-Dichloro-2-butene	**22.3**		µg/kg wet		20.0		112	70-130	0.8	25
Ethanol	**406**		µg/kg wet		400		101	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/kg wet		*30.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*29.3*		µg/kg wet		*30.0*		*98*	*70-130*		
Batch 1120174 - SW846 5030 Soil (high level)										
Blank (1120174-BLK1)					Prepared & Analyzed: 03-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0		µg/kg wet	50.0						
Acetone	< 500		µg/kg wet	500						
Acrylonitrile	< 50.0		µg/kg wet	50.0						
Benzene	< 50.0		µg/kg wet	50.0						
Bromobenzene	< 50.0		µg/kg wet	50.0						
Bromochloromethane	< 50.0		µg/kg wet	50.0						
Bromodichloromethane	< 50.0		µg/kg wet	50.0						
Bromoform	< 50.0		µg/kg wet	50.0						
Bromomethane	< 100		µg/kg wet	100						
2-Butanone (MEK)	< 500		µg/kg wet	500						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120174 - SW846 5030 Soil (high level)										
Blank (1120174-BLK1)					Prepared & Analyzed: 03-Oct-11					
n-Butylbenzene	< 50.0		µg/kg wet	50.0						
sec-Butylbenzene	< 50.0		µg/kg wet	50.0						
tert-Butylbenzene	< 50.0		µg/kg wet	50.0						
Carbon disulfide	< 100		µg/kg wet	100						
Carbon tetrachloride	< 50.0		µg/kg wet	50.0						
Chlorobenzene	< 50.0		µg/kg wet	50.0						
Chloroethane	< 100		µg/kg wet	100						
Chloroform	< 50.0		µg/kg wet	50.0						
Chloromethane	< 100		µg/kg wet	100						
2-Chlorotoluene	< 50.0		µg/kg wet	50.0						
4-Chlorotoluene	< 50.0		µg/kg wet	50.0						
1,2-Dibromo-3-chloropropane	< 100		µg/kg wet	100						
Dibromochloromethane	< 50.0		µg/kg wet	50.0						
1,2-Dibromoethane (EDB)	< 50.0		µg/kg wet	50.0						
Dibromomethane	< 50.0		µg/kg wet	50.0						
1,2-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
1,4-Dichlorobenzene	< 50.0		µg/kg wet	50.0						
Dichlorodifluoromethane (Freon12)	< 100		µg/kg wet	100						
1,1-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,2-Dichloroethane	< 50.0		µg/kg wet	50.0						
1,1-Dichloroethene	< 50.0		µg/kg wet	50.0						
cis-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
trans-1,2-Dichloroethene	< 50.0		µg/kg wet	50.0						
1,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,3-Dichloropropane	< 50.0		µg/kg wet	50.0						
2,2-Dichloropropane	< 50.0		µg/kg wet	50.0						
1,1-Dichloropropene	< 50.0		µg/kg wet	50.0						
cis-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
trans-1,3-Dichloropropene	< 50.0		µg/kg wet	50.0						
Ethylbenzene	< 50.0		µg/kg wet	50.0						
Hexachlorobutadiene	< 50.0		µg/kg wet	50.0						
2-Hexanone (MBK)	< 500		µg/kg wet	500						
Isopropylbenzene	< 50.0		µg/kg wet	50.0						
4-Isopropyltoluene	< 50.0		µg/kg wet	50.0						
Methyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
4-Methyl-2-pentanone (MIBK)	< 500		µg/kg wet	500						
Methylene chloride	< 100		µg/kg wet	100						
Naphthalene	< 50.0		µg/kg wet	50.0						
n-Propylbenzene	< 50.0		µg/kg wet	50.0						
Styrene	< 50.0		µg/kg wet	50.0						
1,1,1,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						
1,1,2,2-Tetrachloroethane	< 50.0		µg/kg wet	50.0						
Tetrachloroethene	< 50.0		µg/kg wet	50.0						
Toluene	< 50.0		µg/kg wet	50.0						
1,2,3-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,2,4-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trichlorobenzene	< 50.0		µg/kg wet	50.0						
1,1,1-Trichloroethane	< 50.0		µg/kg wet	50.0						
1,1,2-Trichloroethane	< 50.0		µg/kg wet	50.0						
Trichloroethene	< 50.0		µg/kg wet	50.0						
Trichlorofluoromethane (Freon 11)	< 50.0		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120174 - SW846 5030 Soil (high level)										
Blank (1120174-BLK1)					Prepared & Analyzed: 03-Oct-11					
1,2,3-Trichloropropane	< 50.0		µg/kg wet	50.0						
1,2,4-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
1,3,5-Trimethylbenzene	< 50.0		µg/kg wet	50.0						
Vinyl chloride	< 50.0		µg/kg wet	50.0						
m,p-Xylene	< 100		µg/kg wet	100						
o-Xylene	< 50.0		µg/kg wet	50.0						
Tetrahydrofuran	< 100		µg/kg wet	100						
Ethyl ether	< 50.0		µg/kg wet	50.0						
Tert-amyl methyl ether	< 50.0		µg/kg wet	50.0						
Ethyl tert-butyl ether	< 50.0		µg/kg wet	50.0						
Di-isopropyl ether	< 50.0		µg/kg wet	50.0						
Tert-Butanol / butyl alcohol	< 500		µg/kg wet	500						
1,4-Dioxane	< 1000		µg/kg wet	1000						
trans-1,4-Dichloro-2-butene	< 250		µg/kg wet	250						
Ethanol	< 20000		µg/kg wet	20000						
Surrogate: 4-Bromofluorobenzene	*27.9*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*28.7*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/kg wet		*30.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
LCS (1120174-BS1)					Prepared & Analyzed: 03-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**17.0**		µg/kg wet		20.0		85	70-130		
Acetone	**19.3**		µg/kg wet		20.0		96	70-130		
Acrylonitrile	**18.2**		µg/kg wet		20.0		91	70-130		
Benzene	**19.3**		µg/kg wet		20.0		96	70-130		
Bromobenzene	**20.6**		µg/kg wet		20.0		103	70-130		
Bromochloromethane	**18.6**		µg/kg wet		20.0		93	70-130		
Bromodichloromethane	**20.6**		µg/kg wet		20.0		103	70-130		
Bromoform	**25.0**		µg/kg wet		20.0		125	70-130		
Bromomethane	**17.4**		µg/kg wet		20.0		87	70-130		
2-Butanone (MEK)	**19.3**		µg/kg wet		20.0		96	70-130		
n-Butylbenzene	**21.6**		µg/kg wet		20.0		108	70-130		
sec-Butylbenzene	**21.4**		µg/kg wet		20.0		107	70-130		
tert-Butylbenzene	**21.7**		µg/kg wet		20.0		108	70-130		
Carbon disulfide	**21.7**		µg/kg wet		20.0		108	70-130		
Carbon tetrachloride	**19.8**		µg/kg wet		20.0		99	70-130		
Chlorobenzene	**19.8**		µg/kg wet		20.0		99	70-130		
Chloroethane	**18.1**		µg/kg wet		20.0		90	70-130		
Chloroform	**18.7**		µg/kg wet		20.0		94	70-130		
Chloromethane	**19.6**		µg/kg wet		20.0		98	70-130		
2-Chlorotoluene	**20.2**		µg/kg wet		20.0		101	70-130		
4-Chlorotoluene	**20.6**		µg/kg wet		20.0		103	70-130		
1,2-Dibromo-3-chloropropane	**23.7**		µg/kg wet		20.0		119	70-130		
Dibromochloromethane	**22.5**		µg/kg wet		20.0		112	70-130		
1,2-Dibromoethane (EDB)	**20.2**		µg/kg wet		20.0		101	70-130		
Dibromomethane	**19.7**		µg/kg wet		20.0		98	70-130		
1,2-Dichlorobenzene	**21.5**		µg/kg wet		20.0		108	70-130		
1,3-Dichlorobenzene	**20.3**		µg/kg wet		20.0		102	70-130		
1,4-Dichlorobenzene	**20.0**		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	**18.1**		µg/kg wet		20.0		91	70-130		
1,1-Dichloroethane	**17.5**		µg/kg wet		20.0		87	70-130		
1,2-Dichloroethane	**17.4**		µg/kg wet		20.0		87	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120174 - SW846 5030 Soil (high level)										
LCS (1120174-BS1)					Prepared & Analyzed: 03-Oct-11					
1,1-Dichloroethene	**18.0**		µg/kg wet		20.0		90	70-130		
cis-1,2-Dichloroethene	**17.1**		µg/kg wet		20.0		86	70-130		
trans-1,2-Dichloroethene	**17.8**		µg/kg wet		20.0		89	70-130		
1,2-Dichloropropane	**20.2**		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	**18.7**		µg/kg wet		20.0		93	70-130		
2,2-Dichloropropane	**21.8**		µg/kg wet		20.0		109	70-130		
1,1-Dichloropropene	**19.0**		µg/kg wet		20.0		95	70-130		
cis-1,3-Dichloropropene	**21.6**		µg/kg wet		20.0		108	70-130		
trans-1,3-Dichloropropene	**22.8**		µg/kg wet		20.0		114	70-130		
Ethylbenzene	**21.2**		µg/kg wet		20.0		106	70-130		
Hexachlorobutadiene	**20.5**		µg/kg wet		20.0		102	70-130		
2-Hexanone (MBK)	**21.2**		µg/kg wet		20.0		106	70-130		
Isopropylbenzene	**20.2**		µg/kg wet		20.0		101	70-130		
4-Isopropyltoluene	**22.0**		µg/kg wet		20.0		110	70-130		
Methyl tert-butyl ether	**18.2**		µg/kg wet		20.0		91	70-130		
4-Methyl-2-pentanone (MIBK)	**21.0**		µg/kg wet		20.0		105	70-130		
Methylene chloride	**16.2**		µg/kg wet		20.0		81	70-130		
Naphthalene	**21.4**		µg/kg wet		20.0		107	70-130		
n-Propylbenzene	**22.0**		µg/kg wet		20.0		110	70-130		
Styrene	**20.4**		µg/kg wet		20.0		102	70-130		
1,1,1,2-Tetrachloroethane	**22.5**		µg/kg wet		20.0		113	70-130		
1,1,2,2-Tetrachloroethane	**24.0**		µg/kg wet		20.0		120	70-130		
Tetrachloroethene	**18.7**		µg/kg wet		20.0		94	70-130		
Toluene	**18.9**		µg/kg wet		20.0		95	70-130		
1,2,3-Trichlorobenzene	**22.2**		µg/kg wet		20.0		111	70-130		
1,2,4-Trichlorobenzene	**21.9**		µg/kg wet		20.0		110	70-130		
1,3,5-Trichlorobenzene	**21.0**		µg/kg wet		20.0		105	70-130		
1,1,1-Trichloroethane	**20.3**		µg/kg wet		20.0		101	70-130		
1,1,2-Trichloroethane	**20.0**		µg/kg wet		20.0		100	70-130		
Trichloroethene	**18.0**		µg/kg wet		20.0		90	70-130		
Trichlorofluoromethane (Freon 11)	**17.3**		µg/kg wet		20.0		87	70-130		
1,2,3-Trichloropropane	**19.8**		µg/kg wet		20.0		99	70-130		
1,2,4-Trimethylbenzene	**22.4**		µg/kg wet		20.0		112	70-130		
1,3,5-Trimethylbenzene	**22.5**		µg/kg wet		20.0		112	70-130		
Vinyl chloride	**17.5**		µg/kg wet		20.0		87	70-130		
m,p-Xylene	**44.1**		µg/kg wet		40.0		110	70-130		
o-Xylene	**21.6**		µg/kg wet		20.0		108	70-130		
Tetrahydrofuran	**18.3**		µg/kg wet		20.0		91	70-130		
Ethyl ether	**18.3**		µg/kg wet		20.0		91	70-130		
Tert-amyl methyl ether	**20.8**		µg/kg wet		20.0		104	70-130		
Ethyl tert-butyl ether	**19.7**		µg/kg wet		20.0		99	70-130		
Di-isopropyl ether	**18.4**		µg/kg wet		20.0		92	70-130		
Tert-Butanol / butyl alcohol	**203**		µg/kg wet		200		102	70-130		
1,4-Dioxane	**194**		µg/kg wet		200		97	70-130		
trans-1,4-Dichloro-2-butene	**21.5**		µg/kg wet		20.0		107	70-130		
Ethanol	**392**		µg/kg wet		400		98	70-130		
Surrogate: 4-Bromofluorobenzene	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/kg wet		*30.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
LCS Dup (1120174-BSD1)					Prepared & Analyzed: 03-Oct-11					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120174 - SW846 5030 Soil (high level)										
LCS Dup (1120174-BSD1)					Prepared & Analyzed: 03-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**17.2**		µg/kg wet		20.0		86	70-130	1	25
Acetone	**17.0**		µg/kg wet		20.0		85	70-130	12	50
Acrylonitrile	**17.4**		µg/kg wet		20.0		87	70-130	4	25
Benzene	**19.4**		µg/kg wet		20.0		97	70-130	0.6	25
Bromobenzene	**21.0**		µg/kg wet		20.0		105	70-130	2	25
Bromochloromethane	**18.7**		µg/kg wet		20.0		93	70-130	0.5	25
Bromodichloromethane	**20.3**		µg/kg wet		20.0		102	70-130	1	25
Bromoform	**24.2**		µg/kg wet		20.0		121	70-130	3	25
Bromomethane	**18.0**		µg/kg wet		20.0		90	70-130	3	50
2-Butanone (MEK)	**18.0**		µg/kg wet		20.0		90	70-130	7	50
n-Butylbenzene	**21.8**		µg/kg wet		20.0		109	70-130	0.8	25
sec-Butylbenzene	**22.0**		µg/kg wet		20.0		110	70-130	3	25
tert-Butylbenzene	**22.5**		µg/kg wet		20.0		112	70-130	4	25
Carbon disulfide	**21.7**		µg/kg wet		20.0		108	70-130	0	25
Carbon tetrachloride	**20.2**		µg/kg wet		20.0		101	70-130	2	25
Chlorobenzene	**20.4**		µg/kg wet		20.0		102	70-130	3	25
Chloroethane	**18.8**		µg/kg wet		20.0		94	70-130	4	50
Chloroform	**18.6**		µg/kg wet		20.0		93	70-130	0.6	25
Chloromethane	**20.2**		µg/kg wet		20.0		101	70-130	3	25
2-Chlorotoluene	**20.4**		µg/kg wet		20.0		102	70-130	1	25
4-Chlorotoluene	**20.8**		µg/kg wet		20.0		104	70-130	0.9	25
1,2-Dibromo-3-chloropropane	**22.7**		µg/kg wet		20.0		113	70-130	4	25
Dibromochloromethane	**21.9**		µg/kg wet		20.0		110	70-130	3	50
1,2-Dibromoethane (EDB)	**20.0**		µg/kg wet		20.0		100	70-130	1	25
Dibromomethane	**19.4**		µg/kg wet		20.0		97	70-130	2	25
1,2-Dichlorobenzene	**21.4**		µg/kg wet		20.0		107	70-130	0.4	25
1,3-Dichlorobenzene	**20.6**		µg/kg wet		20.0		103	70-130	1	25
1,4-Dichlorobenzene	**20.4**		µg/kg wet		20.0		102	70-130	2	25
Dichlorodifluoromethane (Freon12)	**19.0**		µg/kg wet		20.0		95	70-130	5	50
1,1-Dichloroethane	**17.9**		µg/kg wet		20.0		89	70-130	2	25
1,2-Dichloroethane	**17.5**		µg/kg wet		20.0		87	70-130	0.2	25
1,1-Dichloroethene	**18.3**		µg/kg wet		20.0		91	70-130	1	25
cis-1,2-Dichloroethene	**17.5**		µg/kg wet		20.0		88	70-130	2	25
trans-1,2-Dichloroethene	**17.9**		µg/kg wet		20.0		90	70-130	1	25
1,2-Dichloropropane	**20.3**		µg/kg wet		20.0		101	70-130	0.2	25
1,3-Dichloropropane	**18.6**		µg/kg wet		20.0		93	70-130	0.4	25
2,2-Dichloropropane	**21.7**		µg/kg wet		20.0		109	70-130	0.2	25
1,1-Dichloropropene	**19.4**		µg/kg wet		20.0		97	70-130	2	25
cis-1,3-Dichloropropene	**21.3**		µg/kg wet		20.0		106	70-130	1	25
trans-1,3-Dichloropropene	**22.6**		µg/kg wet		20.0		113	70-130	0.8	25
Ethylbenzene	**21.6**		µg/kg wet		20.0		108	70-130	2	25
Hexachlorobutadiene	**20.3**		µg/kg wet		20.0		102	70-130	0.9	50
2-Hexanone (MBK)	**19.4**		µg/kg wet		20.0		97	70-130	9	25
Isopropylbenzene	**20.8**		µg/kg wet		20.0		104	70-130	3	25
4-Isopropyltoluene	**22.4**		µg/kg wet		20.0		112	70-130	1	25
Methyl tert-butyl ether	**17.8**		µg/kg wet		20.0		89	70-130	2	25
4-Methyl-2-pentanone (MIBK)	**20.8**		µg/kg wet		20.0		104	70-130	1	50
Methylene chloride	**16.3**		µg/kg wet		20.0		82	70-130	0.9	25
Naphthalene	**20.1**		µg/kg wet		20.0		101	70-130	6	25
n-Propylbenzene	**22.6**		µg/kg wet		20.0		113	70-130	3	25
Styrene	**20.7**		µg/kg wet		20.0		104	70-130	2	25
1,1,1,2-Tetrachloroethane	**22.5**		µg/kg wet		20.0		113	70-130	0	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120174 - SW846 5030 Soil (high level)										
LCS Dup (1120174-BSD1)					Prepared & Analyzed: 03-Oct-11					
1,1,2,2-Tetrachloroethane	**24.3**		µg/kg wet		20.0		121	70-130	1	25
Tetrachloroethene	**18.7**		µg/kg wet		20.0		94	70-130	0.05	25
Toluene	**19.2**		µg/kg wet		20.0		96	70-130	2	25
1,2,3-Trichlorobenzene	**21.6**		µg/kg wet		20.0		108	70-130	3	25
1,2,4-Trichlorobenzene	**21.2**		µg/kg wet		20.0		106	70-130	3	25
1,3,5-Trichlorobenzene	**20.8**		µg/kg wet		20.0		104	70-130	1	25
1,1,1-Trichloroethane	**20.3**		µg/kg wet		20.0		102	70-130	0.2	25
1,1,2-Trichloroethane	**19.9**		µg/kg wet		20.0		99	70-130	0.9	25
Trichloroethene	**18.2**		µg/kg wet		20.0		91	70-130	1	25
Trichlorofluoromethane (Freon 11)	**18.0**		µg/kg wet		20.0		90	70-130	4	50
1,2,3-Trichloropropane	**19.4**		µg/kg wet		20.0		97	70-130	2	25
1,2,4-Trimethylbenzene	**22.8**		µg/kg wet		20.0		114	70-130	2	25
1,3,5-Trimethylbenzene	**22.8**		µg/kg wet		20.0		114	70-130	1	25
Vinyl chloride	**17.5**		µg/kg wet		20.0		88	70-130	0.06	25
m,p-Xylene	**44.8**		µg/kg wet		40.0		112	70-130	1	25
o-Xylene	**22.7**		µg/kg wet		20.0		113	70-130	5	25
Tetrahydrofuran	**18.4**		µg/kg wet		20.0		92	70-130	0.9	25
Ethyl ether	**17.8**		µg/kg wet		20.0		89	70-130	2	50
Tert-amyl methyl ether	**20.6**		µg/kg wet		20.0		103	70-130	1	25
Ethyl tert-butyl ether	**19.3**		µg/kg wet		20.0		96	70-130	2	25
Di-isopropyl ether	**18.3**		µg/kg wet		20.0		91	70-130	1	25
Tert-Butanol / butyl alcohol	**189**		µg/kg wet		200		94	70-130	8	25
1,4-Dioxane	**193**		µg/kg wet		200		96	70-130	0.9	25
trans-1,4-Dichloro-2-butene	**21.1**		µg/kg wet		20.0		105	70-130	2	25
Ethanol	**389**		µg/kg wet		400		97	70-130	0.7	30
Surrogate: 4-Bromofluorobenzene	*28.8*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.9*		µg/kg wet		*30.0*		*86*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Matrix Spike (1120174-MS1)			**Source: SB36468-05**		Prepared & Analyzed: 03-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**19.0**		µg/kg wet		20.0	BRL	95	70-130		
Acetone	**15.9**		µg/kg wet		20.0	BRL	80	70-130		
Acrylonitrile	**17.1**		µg/kg wet		20.0	BRL	86	70-130		
Benzene	**21.6**		µg/kg wet		20.0	BRL	108	70-130		
Bromobenzene	**22.4**		µg/kg wet		20.0	BRL	112	70-130		
Bromochloromethane	**18.0**		µg/kg wet		20.0	BRL	90	70-130		
Bromodichloromethane	**19.6**		µg/kg wet		20.0	BRL	98	70-130		
Bromoform	**19.2**		µg/kg wet		20.0	BRL	96	70-130		
Bromomethane	**13.0**	QM7	µg/kg wet		20.0	BRL	65	70-130		
2-Butanone (MEK)	**17.7**		µg/kg wet		20.0	BRL	88	70-130		
n-Butylbenzene	**26.5**	QM7	µg/kg wet		20.0	BRL	133	70-130		
sec-Butylbenzene	**25.2**		µg/kg wet		20.0	BRL	126	70-130		
tert-Butylbenzene	**25.1**		µg/kg wet		20.0	BRL	126	70-130		
Carbon disulfide	**15.1**		µg/kg wet		20.0	BRL	76	70-130		
Carbon tetrachloride	**20.5**		µg/kg wet		20.0	BRL	102	70-130		
Chlorobenzene	**22.0**		µg/kg wet		20.0	BRL	110	70-130		
Chloroethane	**20.2**		µg/kg wet		20.0	BRL	101	70-130		
Chloroform	**18.4**		µg/kg wet		20.0	BRL	92	70-130		
Chloromethane	**26.1**	QM7	µg/kg wet		20.0	BRL	131	70-130		
2-Chlorotoluene	**23.9**		µg/kg wet		20.0	BRL	120	70-130		
4-Chlorotoluene	**23.6**		µg/kg wet		20.0	BRL	118	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120174 - SW846 5030 Soil (high level)										
Matrix Spike (1120174-MS1)			**Source: SB36468-05**		Prepared & Analyzed: 03-Oct-11					
1,2-Dibromo-3-chloropropane	**17.1**		µg/kg wet		20.0	BRL	85	70-130		
Dibromochloromethane	**20.1**		µg/kg wet		20.0	BRL	100	70-130		
1,2-Dibromoethane (EDB)	**21.2**		µg/kg wet		20.0	BRL	106	70-130		
Dibromomethane	**19.9**		µg/kg wet		20.0	BRL	100	70-130		
1,2-Dichlorobenzene	**22.6**		µg/kg wet		20.0	BRL	113	70-130		
1,3-Dichlorobenzene	**22.9**		µg/kg wet		20.0	BRL	115	70-130		
1,4-Dichlorobenzene	**22.2**		µg/kg wet		20.0	BRL	111	70-130		
Dichlorodifluoromethane (Freon12)	**20.6**		µg/kg wet		20.0	BRL	103	70-130		
1,1-Dichloroethane	**19.4**		µg/kg wet		20.0	BRL	97	70-130		
1,2-Dichloroethane	**18.6**		µg/kg wet		20.0	BRL	93	70-130		
1,1-Dichloroethene	**20.4**		µg/kg wet		20.0	BRL	102	70-130		
cis-1,2-Dichloroethene	**19.0**		µg/kg wet		20.0	BRL	95	70-130		
trans-1,2-Dichloroethene	**19.8**		µg/kg wet		20.0	BRL	99	70-130		
1,2-Dichloropropane	**22.1**		µg/kg wet		20.0	BRL	111	70-130		
1,3-Dichloropropane	**20.8**		µg/kg wet		20.0	BRL	104	70-130		
2,2-Dichloropropane	**23.2**		µg/kg wet		20.0	BRL	116	70-130		
1,1-Dichloropropene	**22.1**		µg/kg wet		20.0	BRL	110	70-130		
cis-1,3-Dichloropropene	**22.1**		µg/kg wet		20.0	BRL	111	70-130		
trans-1,3-Dichloropropene	**22.7**		µg/kg wet		20.0	BRL	113	70-130		
Ethylbenzene	**24.0**		µg/kg wet		20.0	BRL	120	70-130		
Hexachlorobutadiene	**24.8**		µg/kg wet		20.0	BRL	124	70-130		
2-Hexanone (MBK)	**19.1**		µg/kg wet		20.0	BRL	96	70-130		
Isopropylbenzene	**23.4**		µg/kg wet		20.0	BRL	117	70-130		
4-Isopropyltoluene	**25.5**		µg/kg wet		20.0	BRL	127	70-130		
Methyl tert-butyl ether	**18.3**		µg/kg wet		20.0	BRL	92	70-130		
4-Methyl-2-pentanone (MIBK)	**22.2**		µg/kg wet		20.0	BRL	111	70-130		
Methylene chloride	**17.8**		µg/kg wet		20.0	BRL	89	70-130		
Naphthalene	**20.5**		µg/kg wet		20.0	BRL	103	70-130		
n-Propylbenzene	**25.4**		µg/kg wet		20.0	BRL	127	70-130		
Styrene	**22.5**		µg/kg wet		20.0	BRL	113	70-130		
1,1,1,2-Tetrachloroethane	**22.4**		µg/kg wet		20.0	BRL	112	70-130		
1,1,2,2-Tetrachloroethane	**23.2**		µg/kg wet		20.0	BRL	116	70-130		
Tetrachloroethene	**22.1**		µg/kg wet		20.0	BRL	110	70-130		
Toluene	**21.7**		µg/kg wet		20.0	BRL	109	70-130		
1,2,3-Trichlorobenzene	**23.2**		µg/kg wet		20.0	BRL	116	70-130		
1,2,4-Trichlorobenzene	**23.9**		µg/kg wet		20.0	BRL	119	70-130		
1,3,5-Trichlorobenzene	**24.1**		µg/kg wet		20.0	BRL	120	70-130		
1,1,1-Trichloroethane	**21.8**		µg/kg wet		20.0	BRL	109	70-130		
1,1,2-Trichloroethane	**21.5**		µg/kg wet		20.0	BRL	107	70-130		
Trichloroethene	**21.0**		µg/kg wet		20.0	BRL	105	70-130		
Trichlorofluoromethane (Freon 11)	**19.2**		µg/kg wet		20.0	BRL	96	70-130		
1,2,3-Trichloropropane	**20.4**		µg/kg wet		20.0	BRL	102	70-130		
1,2,4-Trimethylbenzene	**26.0**		µg/kg wet		20.0	BRL	130	70-130		
1,3,5-Trimethylbenzene	**25.7**		µg/kg wet		20.0	BRL	129	70-130		
Vinyl chloride	**16.4**		µg/kg wet		20.0	BRL	82	70-130		
m,p-Xylene	**49.9**		µg/kg wet		40.0	BRL	125	70-130		
o-Xylene	**24.7**		µg/kg wet		20.0	BRL	124	70-130		
Tetrahydrofuran	**19.1**		µg/kg wet		20.0	BRL	96	70-130		
Ethyl ether	**18.5**		µg/kg wet		20.0	BRL	92	70-130		
Tert-amyl methyl ether	**20.7**		µg/kg wet		20.0	BRL	104	70-130		
Ethyl tert-butyl ether	**20.4**		µg/kg wet		20.0	BRL	102	70-130		
Di-isopropyl ether	**19.1**		µg/kg wet		20.0	BRL	96	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120174 - SW846 5030 Soil (high level)										
Matrix Spike (1120174-MS1)			**Source: SB36468-05**		Prepared & Analyzed: 03-Oct-11					
Tert-Butanol / butyl alcohol	**209**		µg/kg wet		200	BRL	105	70-130		
1,4-Dioxane	**194**		µg/kg wet		200	BRL	97	70-130		
trans-1,4-Dichloro-2-butene	**20.3**		µg/kg wet		20.0	BRL	101	70-130		
Ethanol	**439**		µg/kg wet		400	BRL	110	70-130		
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.9*		µg/kg wet		*30.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*29.0*		µg/kg wet		*30.0*		*96*	*70-130*		
Matrix Spike Dup (1120174-MSD1)			**Source: SB36468-05**		Prepared & Analyzed: 03-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**19.8**		µg/kg wet		20.0	BRL	99	70-130	4	30
Acetone	**15.2**		µg/kg wet		20.0	BRL	76	70-130	5	30
Acrylonitrile	**15.1**		µg/kg wet		20.0	BRL	76	70-130	13	30
Benzene	**21.0**		µg/kg wet		20.0	BRL	105	70-130	3	30
Bromobenzene	**21.7**		µg/kg wet		20.0	BRL	108	70-130	3	30
Bromochloromethane	**17.9**		µg/kg wet		20.0	BRL	90	70-130	0.3	30
Bromodichloromethane	**19.6**		µg/kg wet		20.0	BRL	98	70-130	0.2	30
Bromoform	**19.0**		µg/kg wet		20.0	BRL	95	70-130	1	30
Bromomethane	**14.4**		µg/kg wet		20.0	BRL	72	70-130	10	30
2-Butanone (MEK)	**15.4**		µg/kg wet		20.0	BRL	77	70-130	14	30
n-Butylbenzene	**26.0**		µg/kg wet		20.0	BRL	130	70-130	2	30
sec-Butylbenzene	**24.4**		µg/kg wet		20.0	BRL	122	70-130	3	30
tert-Butylbenzene	**24.4**		µg/kg wet		20.0	BRL	122	70-130	3	30
Carbon disulfide	**15.6**		µg/kg wet		20.0	BRL	78	70-130	3	30
Carbon tetrachloride	**20.6**		µg/kg wet		20.0	BRL	103	70-130	0.5	30
Chlorobenzene	**21.3**		µg/kg wet		20.0	BRL	107	70-130	3	30
Chloroethane	**19.6**		µg/kg wet		20.0	BRL	98	70-130	3	30
Chloroform	**18.2**		µg/kg wet		20.0	BRL	91	70-130	1	30
Chloromethane	**24.1**		µg/kg wet		20.0	BRL	120	70-130	8	30
2-Chlorotoluene	**22.9**		µg/kg wet		20.0	BRL	115	70-130	4	30
4-Chlorotoluene	**22.3**		µg/kg wet		20.0	BRL	111	70-130	6	30
1,2-Dibromo-3-chloropropane	**17.5**		µg/kg wet		20.0	BRL	88	70-130	3	30
Dibromochloromethane	**19.8**		µg/kg wet		20.0	BRL	99	70-130	2	30
1,2-Dibromoethane (EDB)	**20.3**		µg/kg wet		20.0	BRL	101	70-130	4	30
Dibromomethane	**19.6**		µg/kg wet		20.0	BRL	98	70-130	2	30
1,2-Dichlorobenzene	**22.0**		µg/kg wet		20.0	BRL	110	70-130	3	30
1,3-Dichlorobenzene	**21.9**		µg/kg wet		20.0	BRL	110	70-130	4	30
1,4-Dichlorobenzene	**21.4**		µg/kg wet		20.0	BRL	107	70-130	4	30
Dichlorodifluoromethane (Freon12)	**20.9**		µg/kg wet		20.0	BRL	104	70-130	1	30
1,1-Dichloroethane	**18.9**		µg/kg wet		20.0	BRL	94	70-130	3	30
1,2-Dichloroethane	**18.2**		µg/kg wet		20.0	BRL	91	70-130	2	30
1,1-Dichloroethene	**19.8**		µg/kg wet		20.0	BRL	99	70-130	3	30
cis-1,2-Dichloroethene	**18.6**		µg/kg wet		20.0	BRL	93	70-130	2	30
trans-1,2-Dichloroethene	**19.5**		µg/kg wet		20.0	BRL	97	70-130	2	30
1,2-Dichloropropane	**21.4**		µg/kg wet		20.0	BRL	107	70-130	3	30
1,3-Dichloropropane	**19.9**		µg/kg wet		20.0	BRL	100	70-130	4	30
2,2-Dichloropropane	**23.6**		µg/kg wet		20.0	BRL	118	70-130	2	30
1,1-Dichloropropene	**21.4**		µg/kg wet		20.0	BRL	107	70-130	3	30
cis-1,3-Dichloropropene	**21.4**		µg/kg wet		20.0	BRL	107	70-130	3	30
trans-1,3-Dichloropropene	**22.3**		µg/kg wet		20.0	BRL	111	70-130	2	30
Ethylbenzene	**23.0**		µg/kg wet		20.0	BRL	115	70-130	4	30
Hexachlorobutadiene	**24.6**		µg/kg wet		20.0	BRL	123	70-130	0.9	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120174 - SW846 5030 Soil (high level)										
Matrix Spike Dup (1120174-MSD1)			**Source: SB36468-05**		Prepared & Analyzed: 03-Oct-11					
2-Hexanone (MBK)	**18.8**		µg/kg wet		20.0	BRL	94	70-130	2	30
Isopropylbenzene	**22.4**		µg/kg wet		20.0	BRL	112	70-130	4	30
4-Isopropyltoluene	**25.1**		µg/kg wet		20.0	BRL	125	70-130	2	30
Methyl tert-butyl ether	**17.6**		µg/kg wet		20.0	BRL	88	70-130	4	30
4-Methyl-2-pentanone (MIBK)	**19.8**		µg/kg wet		20.0	BRL	99	70-130	12	30
Methylene chloride	**17.4**		µg/kg wet		20.0	BRL	87	70-130	3	30
Naphthalene	**19.6**		µg/kg wet		20.0	BRL	98	70-130	5	30
n-Propylbenzene	**24.6**		µg/kg wet		20.0	BRL	123	70-130	3	30
Styrene	**21.5**		µg/kg wet		20.0	BRL	107	70-130	5	30
1,1,1,2-Tetrachloroethane	**22.1**		µg/kg wet		20.0	BRL	111	70-130	1	30
1,1,2,2-Tetrachloroethane	**22.8**		µg/kg wet		20.0	BRL	114	70-130	2	30
Tetrachloroethene	**20.9**		µg/kg wet		20.0	BRL	105	70-130	5	30
Toluene	**20.7**		µg/kg wet		20.0	BRL	103	70-130	5	30
1,2,3-Trichlorobenzene	**22.7**		µg/kg wet		20.0	BRL	113	70-130	2	30
1,2,4-Trichlorobenzene	**23.1**		µg/kg wet		20.0	BRL	115	70-130	3	30
1,3,5-Trichlorobenzene	**23.3**		µg/kg wet		20.0	BRL	116	70-130	3	30
1,1,1-Trichloroethane	**21.6**		µg/kg wet		20.0	BRL	108	70-130	1	30
1,1,2-Trichloroethane	**20.6**		µg/kg wet		20.0	BRL	103	70-130	4	30
Trichloroethene	**20.1**		µg/kg wet		20.0	BRL	100	70-130	4	30
Trichlorofluoromethane (Freon 11)	**19.6**		µg/kg wet		20.0	BRL	98	70-130	2	30
1,2,3-Trichloropropane	**19.5**		µg/kg wet		20.0	BRL	97	70-130	4	30
1,2,4-Trimethylbenzene	**24.4**		µg/kg wet		20.0	BRL	122	70-130	6	30
1,3,5-Trimethylbenzene	**24.7**		µg/kg wet		20.0	BRL	124	70-130	4	30
Vinyl chloride	**15.3**		µg/kg wet		20.0	BRL	77	70-130	7	30
m,p-Xylene	**47.7**		µg/kg wet		40.0	BRL	119	70-130	4	30
o-Xylene	**23.9**		µg/kg wet		20.0	BRL	120	70-130	3	30
Tetrahydrofuran	**18.4**		µg/kg wet		20.0	BRL	92	70-130	4	30
Ethyl ether	**18.1**		µg/kg wet		20.0	BRL	91	70-130	2	30
Tert-amyl methyl ether	**19.8**		µg/kg wet		20.0	BRL	99	70-130	4	30
Ethyl tert-butyl ether	**19.8**		µg/kg wet		20.0	BRL	99	70-130	3	30
Di-isopropyl ether	**18.3**		µg/kg wet		20.0	BRL	92	70-130	4	30
Tert-Butanol / butyl alcohol	**194**		µg/kg wet		200	BRL	97	70-130	7	30
1,4-Dioxane	**192**		µg/kg wet		200	BRL	96	70-130	0.6	30
trans-1,4-Dichloro-2-butene	**20.3**		µg/kg wet		20.0	BRL	102	70-130	0.1	30
Ethanol	**412**		µg/kg wet		400	BRL	103	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.1*		µg/kg wet		*30.0*		*90*	*70-130*		
Surrogate: Dibromofluoromethane	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
Batch 1120306 - SW846 5035A Soil (low level)										
Blank (1120306-BLK1)					Prepared & Analyzed: 04-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 5.0		µg/kg wet	5.0						
Acetone	< 50.0		µg/kg wet	50.0						
Acrylonitrile	< 5.0		µg/kg wet	5.0						
Benzene	< 5.0		µg/kg wet	5.0						
Bromobenzene	< 5.0		µg/kg wet	5.0						
Bromochloromethane	< 5.0		µg/kg wet	5.0						
Bromodichloromethane	< 5.0		µg/kg wet	5.0						
Bromoform	< 5.0		µg/kg wet	5.0						
Bromomethane	< 10.0		µg/kg wet	10.0						
2-Butanone (MEK)	< 50.0		µg/kg wet	50.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120306 - SW846 5035A Soil (low level)										
Blank (1120306-BLK1)					Prepared & Analyzed: 04-Oct-11					
n-Butylbenzene	< 5.0		µg/kg wet	5.0						
sec-Butylbenzene	< 5.0		µg/kg wet	5.0						
tert-Butylbenzene	< 5.0		µg/kg wet	5.0						
Carbon disulfide	< 10.0		µg/kg wet	10.0						
Carbon tetrachloride	< 5.0		µg/kg wet	5.0						
Chlorobenzene	< 5.0		µg/kg wet	5.0						
Chloroethane	< 10.0		µg/kg wet	10.0						
Chloroform	< 5.0		µg/kg wet	5.0						
Chloromethane	< 10.0		µg/kg wet	10.0						
2-Chlorotoluene	< 5.0		µg/kg wet	5.0						
4-Chlorotoluene	< 5.0		µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	< 10.0		µg/kg wet	10.0						
Dibromochloromethane	< 5.0		µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	< 5.0		µg/kg wet	5.0						
Dibromomethane	< 5.0		µg/kg wet	5.0						
1,2-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
1,4-Dichlorobenzene	< 5.0		µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	< 10.0		µg/kg wet	10.0						
1,1-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,2-Dichloroethane	< 5.0		µg/kg wet	5.0						
1,1-Dichloroethene	< 5.0		µg/kg wet	5.0						
cis-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
trans-1,2-Dichloroethene	< 5.0		µg/kg wet	5.0						
1,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,3-Dichloropropane	< 5.0		µg/kg wet	5.0						
2,2-Dichloropropane	< 5.0		µg/kg wet	5.0						
1,1-Dichloropropene	< 5.0		µg/kg wet	5.0						
cis-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
trans-1,3-Dichloropropene	< 5.0		µg/kg wet	5.0						
Ethylbenzene	< 5.0		µg/kg wet	5.0						
Hexachlorobutadiene	< 5.0		µg/kg wet	5.0						
2-Hexanone (MBK)	< 50.0		µg/kg wet	50.0						
Isopropylbenzene	< 5.0		µg/kg wet	5.0						
4-Isopropyltoluene	< 5.0		µg/kg wet	5.0						
Methyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	< 50.0		µg/kg wet	50.0						
Methylene chloride	< 10.0		µg/kg wet	10.0						
Naphthalene	< 5.0		µg/kg wet	5.0						
n-Propylbenzene	< 5.0		µg/kg wet	5.0						
Styrene	< 5.0		µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	< 5.0		µg/kg wet	5.0						
Tetrachloroethene	< 5.0		µg/kg wet	5.0						
Toluene	< 5.0		µg/kg wet	5.0						
1,2,3-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,2,4-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trichlorobenzene	< 5.0		µg/kg wet	5.0						
1,1,1-Trichloroethane	< 5.0		µg/kg wet	5.0						
1,1,2-Trichloroethane	< 5.0		µg/kg wet	5.0						
Trichloroethene	< 5.0		µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	< 5.0		µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120306 - SW846 5035A Soil (low level)										
Blank (1120306-BLK1)					Prepared & Analyzed: 04-Oct-11					
1,2,3-Trichloropropane	< 5.0		µg/kg wet	5.0						
1,2,4-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
1,3,5-Trimethylbenzene	< 5.0		µg/kg wet	5.0						
Vinyl chloride	< 5.0		µg/kg wet	5.0						
m,p-Xylene	< 10.0		µg/kg wet	10.0						
o-Xylene	< 5.0		µg/kg wet	5.0						
Tetrahydrofuran	< 10.0		µg/kg wet	10.0						
Ethyl ether	< 5.0		µg/kg wet	5.0						
Tert-amyl methyl ether	< 5.0		µg/kg wet	5.0						
Ethyl tert-butyl ether	< 5.0		µg/kg wet	5.0						
Di-isopropyl ether	< 5.0		µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	< 50.0		µg/kg wet	50.0						
1,4-Dioxane	< 100		µg/kg wet	100						
trans-1,4-Dichloro-2-butene	< 25.0		µg/kg wet	25.0						
Ethanol	< 2000		µg/kg wet	2000						
Surrogate: 4-Bromofluorobenzene	*46.4*		µg/kg wet		*50.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.8*		µg/kg wet		*50.0*		*120*	*70-130*		
Surrogate: Dibromofluoromethane	*55.1*		µg/kg wet		*50.0*		*110*	*70-130*		
LCS (1120306-BS1)					Prepared & Analyzed: 04-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**18.5**		µg/kg wet		20.0		92	70-130		
Acetone	**25.5**		µg/kg wet		20.0		128	70-130		
Acrylonitrile	**20.6**		µg/kg wet		20.0		103	70-130		
Benzene	**20.2**		µg/kg wet		20.0		101	70-130		
Bromobenzene	**20.4**		µg/kg wet		20.0		102	70-130		
Bromochloromethane	**20.3**		µg/kg wet		20.0		102	70-130		
Bromodichloromethane	**20.0**		µg/kg wet		20.0		100	70-130		
Bromoform	**19.8**		µg/kg wet		20.0		99	70-130		
Bromomethane	**19.0**		µg/kg wet		20.0		95	70-130		
2-Butanone (MEK)	**19.0**		µg/kg wet		20.0		95	70-130		
n-Butylbenzene	**19.4**		µg/kg wet		20.0		97	70-130		
sec-Butylbenzene	**19.9**		µg/kg wet		20.0		100	70-130		
tert-Butylbenzene	**20.0**		µg/kg wet		20.0		100	70-130		
Carbon disulfide	**19.0**		µg/kg wet		20.0		95	70-130		
Carbon tetrachloride	**19.1**		µg/kg wet		20.0		95	70-130		
Chlorobenzene	**18.7**		µg/kg wet		20.0		94	70-130		
Chloroethane	**17.9**		µg/kg wet		20.0		89	70-130		
Chloroform	**19.0**		µg/kg wet		20.0		95	70-130		
Chloromethane	**17.4**		µg/kg wet		20.0		87	70-130		
2-Chlorotoluene	**20.1**		µg/kg wet		20.0		100	70-130		
4-Chlorotoluene	**20.1**		µg/kg wet		20.0		101	70-130		
1,2-Dibromo-3-chloropropane	**20.5**		µg/kg wet		20.0		102	70-130		
Dibromochloromethane	**21.1**		µg/kg wet		20.0		106	70-130		
1,2-Dibromoethane (EDB)	**22.1**		µg/kg wet		20.0		111	70-130		
Dibromomethane	**20.3**		µg/kg wet		20.0		102	70-130		
1,2-Dichlorobenzene	**20.1**		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	**20.8**		µg/kg wet		20.0		104	70-130		
1,4-Dichlorobenzene	**19.3**		µg/kg wet		20.0		96	70-130		
Dichlorodifluoromethane (Freon12)	**18.4**		µg/kg wet		20.0		92	70-130		
1,1-Dichloroethane	**19.3**		µg/kg wet		20.0		97	70-130		
1,2-Dichloroethane	**19.5**		µg/kg wet		20.0		98	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120306 - SW846 5035A Soil (low level)										
LCS (1120306-BS1)					Prepared & Analyzed: 04-Oct-11					
1,1-Dichloroethene	**19.2**		µg/kg wet		20.0		96	70-130		
cis-1,2-Dichloroethene	**20.1**		µg/kg wet		20.0		100	70-130		
trans-1,2-Dichloroethene	**18.6**		µg/kg wet		20.0		93	70-130		
1,2-Dichloropropane	**19.5**		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	**20.4**		µg/kg wet		20.0		102	70-130		
2,2-Dichloropropane	**19.5**		µg/kg wet		20.0		98	70-130		
1,1-Dichloropropene	**19.5**		µg/kg wet		20.0		97	70-130		
cis-1,3-Dichloropropene	**17.4**		µg/kg wet		20.0		87	70-130		
trans-1,3-Dichloropropene	**17.3**		µg/kg wet		20.0		86	70-130		
Ethylbenzene	**20.3**		µg/kg wet		20.0		101	70-130		
Hexachlorobutadiene	**20.6**		µg/kg wet		20.0		103	70-130		
2-Hexanone (MBK)	**17.6**		µg/kg wet		20.0		88	70-130		
Isopropylbenzene	**20.0**		µg/kg wet		20.0		100	70-130		
4-Isopropyltoluene	**20.2**		µg/kg wet		20.0		101	70-130		
Methyl tert-butyl ether	**21.3**		µg/kg wet		20.0		106	70-130		
4-Methyl-2-pentanone (MIBK)	**20.9**		µg/kg wet		20.0		104	70-130		
Methylene chloride	**18.6**		µg/kg wet		20.0		93	70-130		
Naphthalene	**18.1**		µg/kg wet		20.0		91	70-130		
n-Propylbenzene	**20.5**		µg/kg wet		20.0		103	70-130		
Styrene	**20.3**		µg/kg wet		20.0		102	70-130		
1,1,1,2-Tetrachloroethane	**19.5**		µg/kg wet		20.0		97	70-130		
1,1,2,2-Tetrachloroethane	**21.0**		µg/kg wet		20.0		105	70-130		
Tetrachloroethene	**19.6**		µg/kg wet		20.0		98	70-130		
Toluene	**19.5**		µg/kg wet		20.0		98	70-130		
1,2,3-Trichlorobenzene	**19.8**		µg/kg wet		20.0		99	70-130		
1,2,4-Trichlorobenzene	**19.5**		µg/kg wet		20.0		98	70-130		
1,3,5-Trichlorobenzene	**21.4**		µg/kg wet		20.0		107	70-130		
1,1,1-Trichloroethane	**19.0**		µg/kg wet		20.0		95	70-130		
1,1,2-Trichloroethane	**20.6**		µg/kg wet		20.0		103	70-130		
Trichloroethene	**19.3**		µg/kg wet		20.0		97	70-130		
Trichlorofluoromethane (Freon 11)	**18.7**		µg/kg wet		20.0		94	70-130		
1,2,3-Trichloropropane	**20.7**		µg/kg wet		20.0		104	70-130		
1,2,4-Trimethylbenzene	**20.8**		µg/kg wet		20.0		104	70-130		
1,3,5-Trimethylbenzene	**20.3**		µg/kg wet		20.0		102	70-130		
Vinyl chloride	**18.8**		µg/kg wet		20.0		94	70-130		
m,p-Xylene	**41.5**		µg/kg wet		40.0		104	70-130		
o-Xylene	**20.5**		µg/kg wet		20.0		102	70-130		
Tetrahydrofuran	**20.8**		µg/kg wet		20.0		104	70-130		
Ethyl ether	**20.3**		µg/kg wet		20.0		102	70-130		
Tert-amyl methyl ether	**19.1**		µg/kg wet		20.0		95	70-130		
Ethyl tert-butyl ether	**21.3**		µg/kg wet		20.0		107	70-130		
Di-isopropyl ether	**19.5**		µg/kg wet		20.0		97	70-130		
Tert-Butanol / butyl alcohol	**219**		µg/kg wet		200		109	70-130		
1,4-Dioxane	**179**		µg/kg wet		200		89	70-130		
trans-1,4-Dichloro-2-butene	**21.2**		µg/kg wet		20.0		106	70-130		
Ethanol	**340**		µg/kg wet		400		85	70-130		
Surrogate: 4-Bromofluorobenzene	*51.6*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*50.6*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.1*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS Dup (1120306-BSD1)					Prepared & Analyzed: 04-Oct-11					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120306 - SW846 5035A Soil (low level)										
LCS Dup (1120306-BSD1)					Prepared & Analyzed: 04-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**18.2**		µg/kg wet		20.0		91	70-130	1	25
Acetone	**23.3**		µg/kg wet		20.0		117	70-130	9	50
Acrylonitrile	**21.0**		µg/kg wet		20.0		105	70-130	2	25
Benzene	**19.9**		µg/kg wet		20.0		100	70-130	2	25
Bromobenzene	**19.3**		µg/kg wet		20.0		97	70-130	5	25
Bromochloromethane	**20.6**		µg/kg wet		20.0		103	70-130	1	25
Bromodichloromethane	**20.2**		µg/kg wet		20.0		101	70-130	1	25
Bromoform	**19.6**		µg/kg wet		20.0		98	70-130	0.8	25
Bromomethane	**17.5**		µg/kg wet		20.0		88	70-130	8	50
2-Butanone (MEK)	**20.6**		µg/kg wet		20.0		103	70-130	8	50
n-Butylbenzene	**18.3**		µg/kg wet		20.0		92	70-130	6	25
sec-Butylbenzene	**18.4**		µg/kg wet		20.0		92	70-130	8	25
tert-Butylbenzene	**18.6**		µg/kg wet		20.0		93	70-130	7	25
Carbon disulfide	**18.8**		µg/kg wet		20.0		94	70-130	0.8	25
Carbon tetrachloride	**18.5**		µg/kg wet		20.0		92	70-130	3	25
Chlorobenzene	**18.7**		µg/kg wet		20.0		93	70-130	0.2	25
Chloroethane	**18.2**		µg/kg wet		20.0		91	70-130	2	50
Chloroform	**19.1**		µg/kg wet		20.0		95	70-130	0.4	25
Chloromethane	**15.6**		µg/kg wet		20.0		78	70-130	11	25
2-Chlorotoluene	**19.0**		µg/kg wet		20.0		95	70-130	6	25
4-Chlorotoluene	**19.1**		µg/kg wet		20.0		96	70-130	5	25
1,2-Dibromo-3-chloropropane	**20.0**		µg/kg wet		20.0		100	70-130	3	25
Dibromochloromethane	**21.6**		µg/kg wet		20.0		108	70-130	2	50
1,2-Dibromoethane (EDB)	**22.6**		µg/kg wet		20.0		113	70-130	2	25
Dibromomethane	**20.0**		µg/kg wet		20.0		100	70-130	2	25
1,2-Dichlorobenzene	**19.3**		µg/kg wet		20.0		96	70-130	4	25
1,3-Dichlorobenzene	**19.1**		µg/kg wet		20.0		96	70-130	9	25
1,4-Dichlorobenzene	**18.8**		µg/kg wet		20.0		94	70-130	2	25
Dichlorodifluoromethane (Freon12)	**17.5**		µg/kg wet		20.0		88	70-130	5	50
1,1-Dichloroethane	**18.8**		µg/kg wet		20.0		94	70-130	3	25
1,2-Dichloroethane	**19.7**		µg/kg wet		20.0		98	70-130	0.9	25
1,1-Dichloroethene	**18.7**		µg/kg wet		20.0		93	70-130	3	25
cis-1,2-Dichloroethene	**19.9**		µg/kg wet		20.0		100	70-130	0.9	25
trans-1,2-Dichloroethene	**18.6**		µg/kg wet		20.0		93	70-130	0.1	25
1,2-Dichloropropane	**19.5**		µg/kg wet		20.0		97	70-130	0.1	25
1,3-Dichloropropane	**20.7**		µg/kg wet		20.0		104	70-130	2	25
2,2-Dichloropropane	**19.1**		µg/kg wet		20.0		96	70-130	2	25
1,1-Dichloropropene	**19.5**		µg/kg wet		20.0		97	70-130	0	25
cis-1,3-Dichloropropene	**17.7**		µg/kg wet		20.0		89	70-130	2	25
trans-1,3-Dichloropropene	**17.8**		µg/kg wet		20.0		89	70-130	3	25
Ethylbenzene	**19.6**		µg/kg wet		20.0		98	70-130	3	25
Hexachlorobutadiene	**19.3**		µg/kg wet		20.0		97	70-130	6	50
2-Hexanone (MBK)	**18.9**		µg/kg wet		20.0		95	70-130	7	25
Isopropylbenzene	**19.2**		µg/kg wet		20.0		96	70-130	4	25
4-Isopropyltoluene	**19.2**		µg/kg wet		20.0		96	70-130	5	25
Methyl tert-butyl ether	**22.2**		µg/kg wet		20.0		111	70-130	4	25
4-Methyl-2-pentanone (MIBK)	**22.0**		µg/kg wet		20.0		110	70-130	5	50
Methylene chloride	**18.3**		µg/kg wet		20.0		91	70-130	2	25
Naphthalene	**17.3**		µg/kg wet		20.0		86	70-130	5	25
n-Propylbenzene	**19.5**		µg/kg wet		20.0		97	70-130	5	25
Styrene	**20.1**		µg/kg wet		20.0		100	70-130	1	25
1,1,1,2-Tetrachloroethane	**18.6**		µg/kg wet		20.0		93	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120306 - SW846 5035A Soil (low level)										
LCS Dup (1120306-BSD1)					Prepared & Analyzed: 04-Oct-11					
1,1,2,2-Tetrachloroethane	**21.4**		µg/kg wet		20.0		107	70-130	2	25
Tetrachloroethene	**20.0**		µg/kg wet		20.0		100	70-130	2	25
Toluene	**19.4**		µg/kg wet		20.0		97	70-130	0.7	25
1,2,3-Trichlorobenzene	**18.6**		µg/kg wet		20.0		93	70-130	7	25
1,2,4-Trichlorobenzene	**18.4**		µg/kg wet		20.0		92	70-130	6	25
1,3,5-Trichlorobenzene	**20.0**		µg/kg wet		20.0		100	70-130	6	25
1,1,1-Trichloroethane	**18.8**		µg/kg wet		20.0		94	70-130	0.5	25
1,1,2-Trichloroethane	**20.8**		µg/kg wet		20.0		104	70-130	1	25
Trichloroethene	**19.4**		µg/kg wet		20.0		97	70-130	0.4	25
Trichlorofluoromethane (Freon 11)	**18.2**		µg/kg wet		20.0		91	70-130	3	50
1,2,3-Trichloropropane	**20.8**		µg/kg wet		20.0		104	70-130	0.6	25
1,2,4-Trimethylbenzene	**19.0**		µg/kg wet		20.0		95	70-130	9	25
1,3,5-Trimethylbenzene	**18.8**		µg/kg wet		20.0		94	70-130	8	25
Vinyl chloride	**18.0**		µg/kg wet		20.0		90	70-130	4	25
m,p-Xylene	**40.6**		µg/kg wet		40.0		102	70-130	2	25
o-Xylene	**20.2**		µg/kg wet		20.0		101	70-130	2	25
Tetrahydrofuran	**21.7**		µg/kg wet		20.0		108	70-130	4	25
Ethyl ether	**21.1**		µg/kg wet		20.0		106	70-130	4	50
Tert-amyl methyl ether	**19.2**		µg/kg wet		20.0		96	70-130	0.9	25
Ethyl tert-butyl ether	**22.1**		µg/kg wet		20.0		111	70-130	4	25
Di-isopropyl ether	**19.9**		µg/kg wet		20.0		100	70-130	2	25
Tert-Butanol / butyl alcohol	**228**		µg/kg wet		200		114	70-130	4	25
1,4-Dioxane	**219**		µg/kg wet		200		110	70-130	20	25
trans-1,4-Dichloro-2-butene	**21.0**		µg/kg wet		20.0		105	70-130	0.9	25
Ethanol	**349**		µg/kg wet		400		87	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*51.6*		µg/kg wet		*50.0*		*103*	*70-130*		

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 1120238 - EPA 200 Series										
Blank (1120238-BLK1)						Prepared: 03-Oct-11	Analyzed: 04-Oct-11			
Arsenic	< 1.40		mg/kg wet	1.40						
Duplicate (1120238-DUP1)			**Source: SB36468-04**			Prepared: 03-Oct-11	Analyzed: 04-Oct-11			
Arsenic	**3.51**	QR9	mg/kg dry	1.80		4.36			22	20
Matrix Spike (1120238-MS1)			**Source: SB36468-04**			Prepared: 03-Oct-11	Analyzed: 04-Oct-11			
Arsenic	**137**		mg/kg dry	1.75	146	4.36	91	70-130		
Post Spike (1120238-PS1)			**Source: SB36468-04**			Prepared: 03-Oct-11	Analyzed: 04-Oct-11			
Arsenic	**155**		mg/kg dry	1.86	155	4.36	97	85-115		
Reference (1120238-SRM1)						Prepared: 03-Oct-11	Analyzed: 04-Oct-11			
Arsenic	**60.2**		mg/kg wet	1.50	62.6		96	78-122		

Notes and Definitions

QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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:
Kimberly Wisk

SB 364468M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

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

Report To: ERM
E. Hartford, CT
Telephone #: 860-466-8500
Project Mgr. John Zehren

Invoice To: SAME
P.O. No.: _____ RQN: MSA

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): PAB

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 1

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	Total Arsenic
364468.01	SB29-0-2-20110928-01	9/28/11	1820	G	SO	3				X	
.02	SB-29-2-4-20110928-01		1825			3				X	
.03	SB-29-5-7-20110928-01		1840			3				X	
.04	SB-32-1-2-20110929-01	9/29/11	1415		PAB	3	1				X
.05	SB-30-0-2-20110929-01		1540			3				X	
.06	SB-30-5-6-20110929-01		1550			3				X	
.07	SB-30-6-7-20110929-01		1555			3				X	
.08	SB-31-0-2-20110929-01		2005			3				X	
.09	SB-31-4-6-20110929-01		2050			3				X	
.10	SB-31-6.2-7.2-20110929-01		2100			3				X	

Relinquished by:	Received by:	Date:	Time:	Temp°C
P. Brousseau	[signature]	9/30/11	10:42	2.6

☑ EDD Format Excel Crit / Standard
☑ E-mail to John.Zehren@erm.com

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

Report Date:
07-Oct-11 16:07

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB36938-01	ERM-04-20111006-01	Ground Water	06-Oct-11 16:10	07-Oct-11 08:26
SB36938-02	ERM-05-20111006-01	Ground Water	06-Oct-11 15:30	07-Oct-11 08:26
SB36938-03	MW-03-20111006-01	Ground Water	06-Oct-11 14:30	07-Oct-11 08:26

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 16 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).

Report Date:
25-Oct-11 17:09

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
99 East River Drive, 3rd Floor
East Hartford, CT 06108
Attn: John Zehren

Project: Project Green - Bennington, VT
Project #: 0140857

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB37874-01	AST-NE-0-1.0-01	Soil	20-Oct-11 15:48	21-Oct-11 08:11
SB37874-02	AST-NW-0-1.0-01	Soil	20-Oct-11 15:53	21-Oct-11 08:11
SB37874-03	AST-SE-0-1.0-01	Soil	20-Oct-11 15:25	21-Oct-11 08:11

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

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Please note that this report contains 11 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.

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Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: Environmental Resources Management - Hartford, CT

Project Location: Project Green - Bennington, VT

Project Number: 0140857

Sampling Date(s):
10/20/2011

Laboratory Sample ID(s):
SB37874-01 through SB37874-03

RCP Methods Used:
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 Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes	✓ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

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

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

Nicole Leja
Laboratory Director
Date: 10/25/2011

CASE NARRATIVE:

The samples were received 4.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. 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.

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.

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

8015CM

Spikes:

1122026-MS2 *Source: SB37874-01*

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

Diesel Range Organics (DRO)

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

1-Chlorooctadecane

1122026-MSD2 *Source: SB37874-01*

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

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

1-Chlorooctadecane

Duplicates:

1122026-DUP2 *Source: SB37874-01*

RPD out of acceptance range.

Diesel Range Organics (DRO)
Unidentified

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

Samples:

SB37874-01 *AST-NE-0-1.0-01*

8015CM

Samples:

SB37874-01 *AST-NE-0-1.0-01*

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

SB37874-02 *AST-NW-0-1.0-01*

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

SW846 8270D

Samples:

SB37874-01 *AST-NE-0-1.0-01*

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

SB37874-02 *AST-NW-0-1.0-01*

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AST-NE-0-1.0-01	0140857	Soil	20-Oct-11 15:48	21-Oct-11
SB37874-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 768		µg/kg dry	768	86.5	2	SW846 8270D	24-Oct-11	25-Oct-11	MSL	1122027	X
208-96-8	Acenaphthylene	< 768		µg/kg dry	768	87.9	2	"	"	"	"	"	X
120-12-7	Anthracene	< 768		µg/kg dry	768	90.2	2	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	966		µg/kg dry	768	89.3	2	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	1,060		µg/kg dry	768	101	2	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	1,110		µg/kg dry	768	92.6	2	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 768		µg/kg dry	768	118	2	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	971		µg/kg dry	768	136	2	"	"	"	"	"	X
218-01-9	Chrysene	1,210		µg/kg dry	768	91.6	2	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 768		µg/kg dry	768	106	2	"	"	"	"	"	X
206-44-0	Fluoranthene	3,220		µg/kg dry	768	140	2	"	"	"	"	"	X
86-73-7	Fluorene	< 768		µg/kg dry	768	97.7	2	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 768		µg/kg dry	768	142	2	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 768		µg/kg dry	768	113	2	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 768		µg/kg dry	768	90.7	2	"	"	"	"	"	X
91-20-3	Naphthalene	< 768		µg/kg dry	768	77.7	2	"	"	"	"	"	X
85-01-8	Phenanthrene	1,080		µg/kg dry	768	86.5	2	"	"	"	"	"	X
129-00-0	Pyrene	2,180		µg/kg dry	768	154	2	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*71*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*69*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics			R01										
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 30.9		mg/kg dry	30.9	18.0	2	8015CM	24-Oct-11	25-Oct-11	SEW	1122026	X
68476-31-3	Fuel Oil #4	< 30.9		mg/kg dry	30.9	3.1	2	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	Calculated as		mg/kg dry	30.9	18.5	2	"	"	"	"	"	X
M09800000	Motor Oil	< 30.9		mg/kg dry	30.9	16.9	2	"	"	"	"	"	X
J00100000	Aviation Fuel	< 30.9		mg/kg dry	30.9	7.7	2	"	"	"	"	"	X
	Unidentified	67.9		mg/kg dry	30.9	7.7	2	"	"	"	"	"	X
	Other Oil	< 30.9		mg/kg dry	30.9	3.1	2	"	"	"	"	"	X
	Diesel Range Organics (DRO)	67.9		mg/kg dry	30.9	18.0	2	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*85*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	85.9		%			1	SM2540 G Mod.	21-Oct-11	21-Oct-11	DT	1121950	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AST-NW-0-1.0-01	0140857	Soil	20-Oct-11 15:53	21-Oct-11
SB37874-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C			R01										
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 7340		µg/kg dry	7340	827	20	SW846 8270D	24-Oct-11	25-Oct-11	MSL	1122027	X
208-96-8	Acenaphthylene	< 7340		µg/kg dry	7340	841	20	"	"	"	"	"	X
120-12-7	Anthracene	< 7340		µg/kg dry	7340	863	20	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 7340		µg/kg dry	7340	854	20	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 7340		µg/kg dry	7340	970	20	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 7340		µg/kg dry	7340	885	20	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 7340		µg/kg dry	7340	1130	20	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 7340		µg/kg dry	7340	1300	20	"	"	"	"	"	X
218-01-9	Chrysene	< 7340		µg/kg dry	7340	876	20	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 7340		µg/kg dry	7340	1010	20	"	"	"	"	"	X
206-44-0	Fluoranthene	< 7340		µg/kg dry	7340	1340	20	"	"	"	"	"	X
86-73-7	Fluorene	< 7340		µg/kg dry	7340	934	20	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 7340		µg/kg dry	7340	1360	20	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 7340		µg/kg dry	7340	1080	20	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 7340		µg/kg dry	7340	868	20	"	"	"	"	"	X
91-20-3	Naphthalene	< 7340		µg/kg dry	7340	743	20	"	"	"	"	"	X
85-01-8	Phenanthrene	< 7340		µg/kg dry	7340	827	20	"	"	"	"	"	X
129-00-0	Pyrene	< 7340		µg/kg dry	7340	1480	20	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*78*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics			R01										
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 74.2		mg/kg dry	74.2	43.1	5	8015CM	24-Oct-11	25-Oct-11	SEW	1122026	X
68476-31-3	Fuel Oil #4	< 74.2		mg/kg dry	74.2	7.4	5	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	< 74.2		mg/kg dry	74.2	44.3	5	"	"	"	"	"	X
M09800000	Motor Oil	Calculated as		mg/kg dry	74.2	40.6	5	"	"	"	"	"	X
J00100000	Aviation Fuel	< 74.2		mg/kg dry	74.2	18.6	5	"	"	"	"	"	X
	Unidentified	3,100		mg/kg dry	74.2	18.6	5	"	"	"	"	"	X
	Other Oil	< 74.2		mg/kg dry	74.2	7.4	5	"	"	"	"	"	X
	Diesel Range Organics (DRO)	3,100		mg/kg dry	74.2	43.1	5	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*83*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	89.6		%			1	SM2540 G Mod.	21-Oct-11	21-Oct-11	DT	1121950	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AST-SE-0-1.0-01	0140857	Soil	20-Oct-11 15:25	21-Oct-11
SB37874-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
PAHs by SW846 8270C													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 348		µg/kg dry	348	39.3	1	SW846 8270D	24-Oct-11	25-Oct-11	MSL	1122027	X
208-96-8	Acenaphthylene	< 348		µg/kg dry	348	39.9	1	"	"	"	"	"	X
120-12-7	Anthracene	< 348		µg/kg dry	348	40.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 348		µg/kg dry	348	40.5	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 348		µg/kg dry	348	46.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 348		µg/kg dry	348	42.0	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 348		µg/kg dry	348	53.4	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 348		µg/kg dry	348	61.6	1	"	"	"	"	"	X
218-01-9	Chrysene	< 348		µg/kg dry	348	41.6	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 348		µg/kg dry	348	48.1	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 348		µg/kg dry	348	63.7	1	"	"	"	"	"	X
86-73-7	Fluorene	< 348		µg/kg dry	348	44.3	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 348		µg/kg dry	348	64.4	1	"	"	"	"	"	X
90-12-0	1-Methylnaphthalene	< 348		µg/kg dry	348	51.1	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 348		µg/kg dry	348	41.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 348		µg/kg dry	348	35.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 348		µg/kg dry	348	39.3	1	"	"	"	"	"	X
129-00-0	Pyrene	< 348		µg/kg dry	348	70.1	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*74*			*30-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics													
Prepared by method SW846 3545A													
68476-30-2	Fuel Oil #2	< 14.0		mg/kg dry	14.0	8.2	1	8015CM	24-Oct-11	25-Oct-11	SEW	1122026	X
68476-31-3	Fuel Oil #4	< 14.0		mg/kg dry	14.0	1.4	1	"	"	"	"	"	X
68553-00-4	Fuel Oil #6	< 14.0		mg/kg dry	14.0	8.4	1	"	"	"	"	"	X
M09800000	Motor Oil	< 14.0		mg/kg dry	14.0	7.7	1	"	"	"	"	"	X
J00100000	Aviation Fuel	< 14.0		mg/kg dry	14.0	3.5	1	"	"	"	"	"	X
	Unidentified	< 14.0		mg/kg dry	14.0	3.5	1	"	"	"	"	"	X
	Other Oil	< 14.0		mg/kg dry	14.0	1.4	1	"	"	"	"	"	X
	Diesel Range Organics (DRO)	< 14.0		mg/kg dry	14.0	8.2	1	"	"	"	"	"	X
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*102*			*40-140 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	93.6		%			1	SM2540 G Mod.	21-Oct-11	21-Oct-11	DT	1121951	

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1122027 - SW846 3545A										
Blank (1122027-BLK1)					Prepared: 24-Oct-11 Analyzed: 25-Oct-11					
Acenaphthene	< 165		µg/kg wet	165						
Acenaphthylene	< 165		µg/kg wet	165						
Anthracene	< 165		µg/kg wet	165						
Benzo (a) anthracene	< 165		µg/kg wet	165						
Benzo (a) pyrene	< 165		µg/kg wet	165						
Benzo (b) fluoranthene	< 165		µg/kg wet	165						
Benzo (g,h,i) perylene	< 165		µg/kg wet	165						
Benzo (k) fluoranthene	< 165		µg/kg wet	165						
Chrysene	< 165		µg/kg wet	165						
Dibenzo (a,h) anthracene	< 165		µg/kg wet	165						
Fluoranthene	< 165		µg/kg wet	165						
Fluorene	< 165		µg/kg wet	165						
Indeno (1,2,3-cd) pyrene	< 165		µg/kg wet	165						
1-Methylnaphthalene	< 165		µg/kg wet	165						
2-Methylnaphthalene	< 165		µg/kg wet	165						
Naphthalene	< 165		µg/kg wet	165						
Phenanthrene	< 165		µg/kg wet	165						
Pyrene	< 165		µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*1170*		µg/kg wet		*1670*		*70*	*30-130*		
Surrogate: Terphenyl-dl4	*1140*		µg/kg wet		*1670*		*68*	*30-130*		
LCS (1122027-BS1)					Prepared: 24-Oct-11 Analyzed: 25-Oct-11					
Acenaphthene	**1080**		µg/kg wet	165	1670		65	40-140		
Acenaphthylene	**1120**		µg/kg wet	165	1670		67	40-140		
Anthracene	**1150**		µg/kg wet	165	1670		69	40-140		
Benzo (a) anthracene	**1040**		µg/kg wet	165	1670		62	40-140		
Benzo (a) pyrene	**1020**		µg/kg wet	165	1670		61	40-140		
Benzo (b) fluoranthene	**893**		µg/kg wet	165	1670		54	40-140		
Benzo (g,h,i) perylene	**955**		µg/kg wet	165	1670		57	40-140		
Benzo (k) fluoranthene	**1120**		µg/kg wet	165	1670		67	40-140		
Chrysene	**1060**		µg/kg wet	165	1670		64	40-140		
Dibenzo (a,h) anthracene	**976**		µg/kg wet	165	1670		59	40-140		
Fluoranthene	**1060**		µg/kg wet	165	1670		63	40-140		
Fluorene	**1100**		µg/kg wet	165	1670		66	40-140		
Indeno (1,2,3-cd) pyrene	**970**		µg/kg wet	165	1670		58	40-140		
1-Methylnaphthalene	**1050**		µg/kg wet	165	1670		63	40-140		
2-Methylnaphthalene	**865**		µg/kg wet	165	1670		52	40-140		
Naphthalene	**941**		µg/kg wet	165	1670		56	40-140		
Phenanthrene	**1020**		µg/kg wet	165	1670		61	40-140		
Pyrene	**1080**		µg/kg wet	165	1670		65	40-140		
Surrogate: 2-Fluorobiphenyl	*928*		µg/kg wet		*1670*		*56*	*30-130*		
Surrogate: Terphenyl-dl4	*963*		µg/kg wet		*1670*		*58*	*30-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1122026 - SW846 3545A										
Blank (1122026-BLK1)						Prepared: 24-Oct-11	Analyzed: 25-Oct-11			
Fuel Oil #2	< 13.3		mg/kg wet	13.3						
Fuel Oil #4	< 13.3		mg/kg wet	13.3						
Fuel Oil #6	< 13.3		mg/kg wet	13.3						
Motor Oil	< 13.3		mg/kg wet	13.3						
Aviation Fuel	< 13.3		mg/kg wet	13.3						
Unidentified	< 13.3		mg/kg wet	13.3						
Other Oil	< 13.3		mg/kg wet	13.3						
Diesel Range Organics (DRO)	< 13.3		mg/kg wet	13.3						
Surrogate: 1-Chlorooctadecane	*3.14*		mg/kg wet		*3.33*		*94*	*40-140*		
LCS (1122026-BS2)						Prepared: 24-Oct-11	Analyzed: 25-Oct-11			
Fuel Oil #2	**731**		mg/kg wet	13.3	667		110	40-140		
Surrogate: 1-Chlorooctadecane	*4.00*		mg/kg wet		*3.33*		*120*	*40-140*		
Duplicate (1122026-DUP2)		R01	**Source: SB37874-01**			Prepared: 24-Oct-11	Analyzed: 25-Oct-11			
Fuel Oil #2	< 60.4		mg/kg dry	60.4		BRL				50
Fuel Oil #4	< 60.4		mg/kg dry	60.4		BRL				50
Fuel Oil #6	**Calculated as**		mg/kg dry	60.4		Calculated as				50
Motor Oil	< 60.4		mg/kg dry	60.4		BRL				50
Aviation Fuel	< 60.4		mg/kg dry	60.4		BRL				50
Unidentified	**129**	QR5	mg/kg dry	60.4		67.9			62	50
Other Oil	< 60.4		mg/kg dry	60.4		BRL				50
Diesel Range Organics (DRO)	**129**	QR5	mg/kg dry	60.4		67.9			62	50
Surrogate: 1-Chlorooctadecane	*3.54*		mg/kg dry		*3.79*		*93*	*40-140*		
Matrix Spike (1122026-MS2)			**Source: SB37874-01**			Prepared: 24-Oct-11	Analyzed: 25-Oct-11			
Diesel Range Organics (DRO)	**696**	R01	mg/kg dry	30.2	756	67.9	83	40-140		
Surrogate: 1-Chlorooctadecane	*7.52*	QM7	mg/kg dry		*3.78*		*199*	*40-140*		
Matrix Spike Dup (1122026-MSD2)		R01	**Source: SB37874-01**			Prepared: 24-Oct-11	Analyzed: 25-Oct-11			
Diesel Range Organics (DRO)	**616**		mg/kg dry	30.3	759	67.9	72	40-140	14	200
Surrogate: 1-Chlorooctadecane	*7.00*	QM7	mg/kg dry		*3.80*		*184*	*40-140*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1121950 - General Preparation										
Duplicate (1121950-DUP1)			**Source: SB37874-02**		Prepared & Analyzed: 21-Oct-11					
% Solids	**89.1**		%			89.6			0.5	20
Batch 1121951 - General Preparation										
Duplicate (1121951-DUP1)			**Source: SB37874-03**		Prepared & Analyzed: 21-Oct-11					
% Solids	**93.2**		%			93.6			0.5	20

Notes and Definitions

QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR5	RPD out of acceptance range.
R01	The Reporting Limit has been raised to account for matrix interference.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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 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:
Nicole Leja

SB 37874 M

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 10/25/11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: ERM
99 East River Drive, 3rd Floor
East Hartford, CT

Telephone #: 860-466-8500
Project Mgr. John Zehren

Invoice To: SAME

P.O. No.: RQN: MS4

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): S. Seekins

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: — —

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	TPH DRO	PAH's
37874.01	AST-NE-0-1.0-01	10/20/11	15:48	G	SO		1			X	X
.02	AST-NW-0.5-1.0-01	↓	15:53	G	SO		1			X	X
.03	AST-SE-0.5-1.0-01	↓	15:25	G	SO		1			X	X

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10/21/11	8:11	4.1

☒ EDD Format EQUIS/ Excel criteria
☒ E-mail to john.zehren@erm.com

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

CASE NARRATIVE:

The samples were received 2.9 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. 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.

SW846 8260C

Calibration:

1110015

Analyte quantified by quadratic equation type calibration.

Chloroform

This affected the following samples:

1120697-BLK1
1120697-BS1
1120697-BSD1
ERM-04-20111006-01
ERM-05-20111006-01
MW-03-20111006-01
S109103-ICV1
S109152-CCV1

Samples:

S109152-CCV1

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

2,2-Dichloropropane (21.0%)
trans-1,4-Dichloro-2-butene (26.9%)

This affected the following samples:

1120697-BLK1
1120697-BS1
1120697-BSD1
ERM-04-20111006-01
ERM-05-20111006-01
MW-03-20111006-01

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-04-20111006-01	0140857	Ground Water	06-Oct-11 16:10	07-Oct-11
SB36938-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.0		µg/l	1.0	0.6	1	SW846 8260C	07-Oct-11	07-Oct-11	ek	1120697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.0		µg/l	2.0	1.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.0		µg/l	2.0	0.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.0		µg/l	1.0	0.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.0		µg/l	2.0	1.0	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.0		µg/l	2.0	1.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.0		µg/l	2.0	0.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.0		µg/l	2.0	0.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.0		µg/l	1.0	0.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.5		µg/l	0.5	0.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-04-20111006-01	0140857	Ground Water	06-Oct-11 16:10	07-Oct-11
SB36938-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.0		µg/l	1.0	0.6	1	SW846 8260C	07-Oct-11	07-Oct-11	ek	1120697	X
99-87-6	4-Isopropyltoluene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.0		µg/l	2.0	0.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.0		µg/l	1.0	0.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.0		µg/l	2.0	1.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.0		µg/l	1.0	0.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.0		µg/l	2.0	1.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.0		µg/l	5.0	0.8	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-05-20111006-01	0140857	Ground Water	06-Oct-11 15:30	07-Oct-11
SB36938-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.0		µg/l	1.0	0.6	1	SW846 8260C	07-Oct-11	07-Oct-11	ek	1120697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.0		µg/l	2.0	1.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.0		µg/l	2.0	0.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.0		µg/l	1.0	0.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.0		µg/l	2.0	1.0	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.0		µg/l	2.0	1.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.0		µg/l	2.0	0.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.0		µg/l	2.0	0.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.0		µg/l	1.0	0.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.5		µg/l	0.5	0.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
ERM-05-20111006-01	0140857	Ground Water	06-Oct-11 15:30	07-Oct-11
SB36938-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.0		µg/l	1.0	0.6	1	SW846 8260C	07-Oct-11	07-Oct-11	ek	1120697	X
99-87-6	4-Isopropyltoluene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.0		µg/l	2.0	0.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.0		µg/l	1.0	0.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.0		µg/l	2.0	1.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.0		µg/l	1.0	0.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.0		µg/l	2.0	1.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.0		µg/l	5.0	0.8	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-03-20111006-01	0140857	Ground Water	06-Oct-11 14:30	07-Oct-11
SB36938-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.0		µg/l	1.0	0.6	1	SW846 8260C	07-Oct-11	07-Oct-11	ek	1120697	X
67-64-1	Acetone	< 10.0		µg/l	10.0	2.6	1	"	"	"	"	"	X
107-13-1	Acrylonitrile	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-86-1	Bromobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.0		µg/l	2.0	1.1	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.7	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.0		µg/l	2.0	0.6	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.0		µg/l	1.0	0.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.0		µg/l	2.0	1.0	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.0		µg/l	2.0	1.5	1	"	"	"	"	"	X
95-49-8	2-Chlorotoluene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
106-43-4	4-Chlorotoluene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.0		µg/l	2.0	0.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
74-95-3	Dibromomethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.0		µg/l	2.0	0.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.0		µg/l	1.0	0.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
142-28-9	1,3-Dichloropropane	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
594-20-7	2,2-Dichloropropane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
563-58-6	1,1-Dichloropropene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.5	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 0.5		µg/l	0.5	0.4	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-03-20111006-01	0140857	Ground Water	06-Oct-11 14:30	07-Oct-11
SB36938-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
98-82-8	Isopropylbenzene	< 1.0		µg/l	1.0	0.6	1	SW846 8260C	07-Oct-11	07-Oct-11	ek	1120697	X
99-87-6	4-Isopropyltoluene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.0		µg/l	2.0	0.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.0		µg/l	1.0	0.3	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
108-70-3	1,3,5-Trichlorobenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
96-18-4	1,2,3-Trichloropropane	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.0		µg/l	2.0	1.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.0		µg/l	1.0	0.9	1	"	"	"	"	"	X
109-99-9	Tetrahydrofuran	< 2.0		µg/l	2.0	1.4	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
637-92-3	Ethyl tert-butyl ether	< 1.0		µg/l	1.0	0.8	1	"	"	"	"	"	X
108-20-3	Di-isopropyl ether	< 1.0		µg/l	1.0	0.7	1	"	"	"	"	"	X
75-65-0	Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0	8.6	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 20.0		µg/l	20.0	14.0	1	"	"	"	"	"	X
110-57-6	trans-1,4-Dichloro-2-buten e	< 5.0		µg/l	5.0	0.8	1	"	"	"	"	"	X
64-17-5	Ethanol	< 400		µg/l	400	35.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Extractable Petroleum Hydrocarbons													
Diesel Range Organics Prepared by method SW846 3510C													

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-03-20111006-01	0140857	Ground Water	06-Oct-11 14:30	07-Oct-11
SB36938-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Extractable Petroleum Hydrocarbons													
Diesel Range Organics Prepared by method SW846 3510C													
68476-30-2	Fuel Oil #2	< 0.2		mg/l	0.2	0.2	1	8015CM	07-Oct-11	07-Oct-11	SEW	1120688	
68476-31-3	Fuel Oil #4	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
68553-00-4	Fuel Oil #6	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"	
M09800000	Motor Oil	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"	
J00100000	Aviation Fuel	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Unidentified	< 0.2		mg/l	0.2	0.05	1	"	"	"	"	"	
	Other Oil	< 0.2		mg/l	0.2	0.02	1	"	"	"	"	"	
	Diesel Range Organics (DRO)	< 0.2		mg/l	0.2	0.2	1	"	"	"	"	"	
Surrogate recoveries:													
3386-33-2	*1-Chlorooctadecane*	*90*			*40-140 %*			"	"	"	"	"	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120697 - SW846 5030 Water MS										
Blank (1120697-BLK1)					Prepared & Analyzed: 07-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.0		µg/l	1.0						
Acetone	< 10.0		µg/l	10.0						
Acrylonitrile	< 0.5		µg/l	0.5						
Benzene	< 1.0		µg/l	1.0						
Bromobenzene	< 1.0		µg/l	1.0						
Bromochloromethane	< 1.0		µg/l	1.0						
Bromodichloromethane	< 0.5		µg/l	0.5						
Bromoform	< 1.0		µg/l	1.0						
Bromomethane	< 2.0		µg/l	2.0						
2-Butanone (MEK)	< 10.0		µg/l	10.0						
n-Butylbenzene	< 1.0		µg/l	1.0						
sec-Butylbenzene	< 1.0		µg/l	1.0						
tert-Butylbenzene	< 1.0		µg/l	1.0						
Carbon disulfide	< 2.0		µg/l	2.0						
Carbon tetrachloride	< 1.0		µg/l	1.0						
Chlorobenzene	< 1.0		µg/l	1.0						
Chloroethane	< 2.0		µg/l	2.0						
Chloroform	< 1.0		µg/l	1.0						
Chloromethane	< 2.0		µg/l	2.0						
2-Chlorotoluene	< 1.0		µg/l	1.0						
4-Chlorotoluene	< 1.0		µg/l	1.0						
1,2-Dibromo-3-chloropropane	< 2.0		µg/l	2.0						
Dibromochloromethane	< 0.5		µg/l	0.5						
1,2-Dibromoethane (EDB)	< 0.5		µg/l	0.5						
Dibromomethane	< 1.0		µg/l	1.0						
1,2-Dichlorobenzene	< 1.0		µg/l	1.0						
1,3-Dichlorobenzene	< 1.0		µg/l	1.0						
1,4-Dichlorobenzene	< 1.0		µg/l	1.0						
Dichlorodifluoromethane (Freon12)	< 2.0		µg/l	2.0						
1,1-Dichloroethane	< 1.0		µg/l	1.0						
1,2-Dichloroethane	< 1.0		µg/l	1.0						
1,1-Dichloroethene	< 1.0		µg/l	1.0						
cis-1,2-Dichloroethene	< 1.0		µg/l	1.0						
trans-1,2-Dichloroethene	< 1.0		µg/l	1.0						
1,2-Dichloropropane	< 1.0		µg/l	1.0						
1,3-Dichloropropane	< 1.0		µg/l	1.0						
2,2-Dichloropropane	< 1.0		µg/l	1.0						
1,1-Dichloropropene	< 1.0		µg/l	1.0						
cis-1,3-Dichloropropene	< 0.5		µg/l	0.5						
trans-1,3-Dichloropropene	< 0.5		µg/l	0.5						
Ethylbenzene	< 1.0		µg/l	1.0						
Hexachlorobutadiene	< 0.5		µg/l	0.5						
2-Hexanone (MBK)	< 10.0		µg/l	10.0						
Isopropylbenzene	< 1.0		µg/l	1.0						
4-Isopropyltoluene	< 1.0		µg/l	1.0						
Methyl tert-butyl ether	< 1.0		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0						
Methylene chloride	< 2.0		µg/l	2.0						
Naphthalene	< 1.0		µg/l	1.0						
n-Propylbenzene	< 1.0		µg/l	1.0						
Styrene	< 1.0		µg/l	1.0						
1,1,1,2-Tetrachloroethane	< 1.0		µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120697 - SW846 5030 Water MS										
Blank (1120697-BLK1)					Prepared & Analyzed: 07-Oct-11					
1,1,2,2-Tetrachloroethane	< 0.5		µg/l	0.5						
Tetrachloroethene	< 1.0		µg/l	1.0						
Toluene	< 1.0		µg/l	1.0						
1,2,3-Trichlorobenzene	< 1.0		µg/l	1.0						
1,2,4-Trichlorobenzene	< 1.0		µg/l	1.0						
1,3,5-Trichlorobenzene	< 1.0		µg/l	1.0						
1,1,1-Trichloroethane	< 1.0		µg/l	1.0						
1,1,2-Trichloroethane	< 1.0		µg/l	1.0						
Trichloroethene	< 1.0		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	< 1.0		µg/l	1.0						
1,2,3-Trichloropropane	< 1.0		µg/l	1.0						
1,2,4-Trimethylbenzene	< 1.0		µg/l	1.0						
1,3,5-Trimethylbenzene	< 1.0		µg/l	1.0						
Vinyl chloride	< 1.0		µg/l	1.0						
m,p-Xylene	< 2.0		µg/l	2.0						
o-Xylene	< 1.0		µg/l	1.0						
Tetrahydrofuran	< 2.0		µg/l	2.0						
Ethyl ether	< 1.0		µg/l	1.0						
Tert-amyl methyl ether	< 1.0		µg/l	1.0						
Ethyl tert-butyl ether	< 1.0		µg/l	1.0						
Di-isopropyl ether	< 1.0		µg/l	1.0						
Tert-Butanol / butyl alcohol	< 10.0		µg/l	10.0						
1,4-Dioxane	< 20.0		µg/l	20.0						
trans-1,4-Dichloro-2-butene	< 5.0		µg/l	5.0						
Ethanol	< 400		µg/l	400						
Surrogate: 4-Bromofluorobenzene	*49.7*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*50.3*		µg/l		*50.0*		*101*	*70-130*		
LCS (1120697-BS1)					Prepared & Analyzed: 07-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.5**		µg/l		20.0		102	70-130		
Acetone	**19.4**		µg/l		20.0		97	70-130		
Acrylonitrile	**21.0**		µg/l		20.0		105	70-130		
Benzene	**19.8**		µg/l		20.0		99	70-130		
Bromobenzene	**19.7**		µg/l		20.0		99	70-130		
Bromochloromethane	**20.2**		µg/l		20.0		101	70-130		
Bromodichloromethane	**21.5**		µg/l		20.0		107	70-130		
Bromoform	**22.3**		µg/l		20.0		111	70-130		
Bromomethane	**21.1**		µg/l		20.0		106	70-130		
2-Butanone (MEK)	**20.2**		µg/l		20.0		101	70-130		
n-Butylbenzene	**21.0**		µg/l		20.0		105	70-130		
sec-Butylbenzene	**20.8**		µg/l		20.0		104	70-130		
tert-Butylbenzene	**20.8**		µg/l		20.0		104	70-130		
Carbon disulfide	**19.4**		µg/l		20.0		97	70-130		
Carbon tetrachloride	**21.8**		µg/l		20.0		109	70-130		
Chlorobenzene	**19.4**		µg/l		20.0		97	70-130		
Chloroethane	**18.8**		µg/l		20.0		94	70-130		
Chloroform	**19.4**		µg/l		20.0		97	70-130		
Chloromethane	**21.1**		µg/l		20.0		106	70-130		
2-Chlorotoluene	**19.4**		µg/l		20.0		97	70-130		
4-Chlorotoluene	**19.8**		µg/l		20.0		99	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120697 - SW846 5030 Water MS										
LCS (1120697-BS1)					Prepared & Analyzed: 07-Oct-11					
1,2-Dibromo-3-chloropropane	**20.5**		µg/l		20.0		103	70-130		
Dibromochloromethane	**21.6**		µg/l		20.0		108	70-130		
1,2-Dibromoethane (EDB)	**20.2**		µg/l		20.0		101	70-130		
Dibromomethane	**20.9**		µg/l		20.0		104	70-130		
1,2-Dichlorobenzene	**20.3**		µg/l		20.0		101	70-130		
1,3-Dichlorobenzene	**19.9**		µg/l		20.0		100	70-130		
1,4-Dichlorobenzene	**19.6**		µg/l		20.0		98	70-130		
Dichlorodifluoromethane (Freon12)	**20.9**		µg/l		20.0		104	70-130		
1,1-Dichloroethane	**19.1**		µg/l		20.0		95	70-130		
1,2-Dichloroethane	**20.1**		µg/l		20.0		100	70-130		
1,1-Dichloroethene	**21.2**		µg/l		20.0		106	70-130		
cis-1,2-Dichloroethene	**19.9**		µg/l		20.0		99	70-130		
trans-1,2-Dichloroethene	**19.5**		µg/l		20.0		98	70-130		
1,2-Dichloropropane	**21.0**		µg/l		20.0		105	70-130		
1,3-Dichloropropane	**21.5**		µg/l		20.0		107	70-130		
2,2-Dichloropropane	**23.3**		µg/l		20.0		116	70-130		
1,1-Dichloropropene	**20.0**		µg/l		20.0		100	70-130		
cis-1,3-Dichloropropene	**21.1**		µg/l		20.0		106	70-130		
trans-1,3-Dichloropropene	**22.9**		µg/l		20.0		114	70-130		
Ethylbenzene	**19.9**		µg/l		20.0		100	70-130		
Hexachlorobutadiene	**20.3**		µg/l		20.0		101	70-130		
2-Hexanone (MBK)	**21.0**		µg/l		20.0		105	70-130		
Isopropylbenzene	**19.9**		µg/l		20.0		100	70-130		
4-Isopropyltoluene	**20.5**		µg/l		20.0		103	70-130		
Methyl tert-butyl ether	**20.0**		µg/l		20.0		100	70-130		
4-Methyl-2-pentanone (MIBK)	**19.2**		µg/l		20.0		96	70-130		
Methylene chloride	**18.7**		µg/l		20.0		94	70-130		
Naphthalene	**20.8**		µg/l		20.0		104	70-130		
n-Propylbenzene	**20.3**		µg/l		20.0		102	70-130		
Styrene	**20.7**		µg/l		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	**21.8**		µg/l		20.0		109	70-130		
1,1,2,2-Tetrachloroethane	**20.9**		µg/l		20.0		104	70-130		
Tetrachloroethene	**20.2**		µg/l		20.0		101	70-130		
Toluene	**20.1**		µg/l		20.0		101	70-130		
1,2,3-Trichlorobenzene	**21.5**		µg/l		20.0		108	70-130		
1,2,4-Trichlorobenzene	**21.7**		µg/l		20.0		108	70-130		
1,3,5-Trichlorobenzene	**20.6**		µg/l		20.0		103	70-130		
1,1,1-Trichloroethane	**20.2**		µg/l		20.0		101	70-130		
1,1,2-Trichloroethane	**21.1**		µg/l		20.0		106	70-130		
Trichloroethene	**19.6**		µg/l		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	**20.0**		µg/l		20.0		100	70-130		
1,2,3-Trichloropropane	**20.6**		µg/l		20.0		103	70-130		
1,2,4-Trimethylbenzene	**20.8**		µg/l		20.0		104	70-130		
1,3,5-Trimethylbenzene	**19.8**		µg/l		20.0		99	70-130		
Vinyl chloride	**19.9**		µg/l		20.0		100	70-130		
m,p-Xylene	**40.0**		µg/l		40.0		100	70-130		
o-Xylene	**19.4**		µg/l		20.0		97	70-130		
Tetrahydrofuran	**21.8**		µg/l		20.0		109	70-130		
Ethyl ether	**19.9**		µg/l		20.0		100	70-130		
Tert-amyl methyl ether	**18.4**		µg/l		20.0		92	70-130		
Ethyl tert-butyl ether	**19.0**		µg/l		20.0		95	70-130		
Di-isopropyl ether	**20.5**		µg/l		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120697 - SW846 5030 Water MS										
LCS (1120697-BS1)					Prepared & Analyzed: 07-Oct-11					
Tert-Butanol / butyl alcohol	**201**		µg/l		200		100	70-130		
1,4-Dioxane	**228**		µg/l		200		114	70-130		
trans-1,4-Dichloro-2-butene	**23.9**		µg/l		20.0		119	70-130		
Ethanol	**397**		µg/l		400		99	70-130		
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*50.8*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.5*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*49.6*		µg/l		*50.0*		*99*	*70-130*		
LCS Dup (1120697-BSD1)					Prepared & Analyzed: 07-Oct-11					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**19.5**		µg/l		20.0		97	70-130	5	25
Acetone	**19.2**		µg/l		20.0		96	70-130	1	50
Acrylonitrile	**21.4**		µg/l		20.0		107	70-130	2	25
Benzene	**18.6**		µg/l		20.0		93	70-130	7	25
Bromobenzene	**18.7**		µg/l		20.0		94	70-130	5	25
Bromochloromethane	**18.7**		µg/l		20.0		94	70-130	8	25
Bromodichloromethane	**20.4**		µg/l		20.0		102	70-130	5	25
Bromoform	**21.9**		µg/l		20.0		109	70-130	2	25
Bromomethane	**19.8**		µg/l		20.0		99	70-130	6	50
2-Butanone (MEK)	**20.8**		µg/l		20.0		104	70-130	3	50
n-Butylbenzene	**19.2**		µg/l		20.0		96	70-130	9	25
sec-Butylbenzene	**19.4**		µg/l		20.0		97	70-130	7	25
tert-Butylbenzene	**19.4**		µg/l		20.0		97	70-130	7	25
Carbon disulfide	**18.0**		µg/l		20.0		90	70-130	7	25
Carbon tetrachloride	**20.2**		µg/l		20.0		101	70-130	8	25
Chlorobenzene	**18.3**		µg/l		20.0		92	70-130	6	25
Chloroethane	**17.5**		µg/l		20.0		87	70-130	7	50
Chloroform	**18.0**		µg/l		20.0		90	70-130	8	25
Chloromethane	**19.3**		µg/l		20.0		96	70-130	9	25
2-Chlorotoluene	**18.5**		µg/l		20.0		93	70-130	5	25
4-Chlorotoluene	**18.7**		µg/l		20.0		94	70-130	6	25
1,2-Dibromo-3-chloropropane	**20.8**		µg/l		20.0		104	70-130	1	25
Dibromochloromethane	**21.0**		µg/l		20.0		105	70-130	3	50
1,2-Dibromoethane (EDB)	**20.7**		µg/l		20.0		103	70-130	2	25
Dibromomethane	**20.0**		µg/l		20.0		100	70-130	4	25
1,2-Dichlorobenzene	**19.6**		µg/l		20.0		98	70-130	4	25
1,3-Dichlorobenzene	**18.7**		µg/l		20.0		93	70-130	6	25
1,4-Dichlorobenzene	**18.3**		µg/l		20.0		91	70-130	7	25
Dichlorodifluoromethane (Freon12)	**19.8**		µg/l		20.0		99	70-130	5	50
1,1-Dichloroethane	**18.3**		µg/l		20.0		92	70-130	4	25
1,2-Dichloroethane	**19.7**		µg/l		20.0		98	70-130	2	25
1,1-Dichloroethene	**18.2**		µg/l		20.0		91	70-130	15	25
cis-1,2-Dichloroethene	**19.3**		µg/l		20.0		96	70-130	3	25
trans-1,2-Dichloroethene	**18.2**		µg/l		20.0		91	70-130	7	25
1,2-Dichloropropane	**19.7**		µg/l		20.0		99	70-130	6	25
1,3-Dichloropropane	**20.9**		µg/l		20.0		104	70-130	3	25
2,2-Dichloropropane	**21.6**		µg/l		20.0		108	70-130	7	25
1,1-Dichloropropene	**18.4**		µg/l		20.0		92	70-130	9	25
cis-1,3-Dichloropropene	**20.6**		µg/l		20.0		103	70-130	2	25
trans-1,3-Dichloropropene	**22.1**		µg/l		20.0		110	70-130	4	25
Ethylbenzene	**18.5**		µg/l		20.0		93	70-130	7	25
Hexachlorobutadiene	**18.3**		µg/l		20.0		92	70-130	10	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120697 - SW846 5030 Water MS										
LCS Dup (1120697-BSD1)					Prepared & Analyzed: 07-Oct-11					
2-Hexanone (MBK)	**21.0**		µg/l		20.0		105	70-130	0.05	25
Isopropylbenzene	**18.7**		µg/l		20.0		93	70-130	7	25
4-Isopropyltoluene	**18.6**		µg/l		20.0		93	70-130	10	25
Methyl tert-butyl ether	**19.5**		µg/l		20.0		98	70-130	2	25
4-Methyl-2-pentanone (MIBK)	**19.8**		µg/l		20.0		99	70-130	3	50
Methylene chloride	**18.8**		µg/l		20.0		94	70-130	0.05	25
Naphthalene	**20.3**		µg/l		20.0		102	70-130	2	25
n-Propylbenzene	**19.1**		µg/l		20.0		96	70-130	6	25
Styrene	**19.5**		µg/l		20.0		97	70-130	6	25
1,1,1,2-Tetrachloroethane	**21.5**		µg/l		20.0		108	70-130	1	25
1,1,2,2-Tetrachloroethane	**20.8**		µg/l		20.0		104	70-130	0.5	25
Tetrachloroethene	**18.3**		µg/l		20.0		91	70-130	10	25
Toluene	**19.1**		µg/l		20.0		95	70-130	5	25
1,2,3-Trichlorobenzene	**20.9**		µg/l		20.0		104	70-130	3	25
1,2,4-Trichlorobenzene	**20.6**		µg/l		20.0		103	70-130	5	25
1,3,5-Trichlorobenzene	**19.4**		µg/l		20.0		97	70-130	6	25
1,1,1-Trichloroethane	**18.9**		µg/l		20.0		94	70-130	7	25
1,1,2-Trichloroethane	**20.1**		µg/l		20.0		101	70-130	5	25
Trichloroethene	**18.1**		µg/l		20.0		91	70-130	8	25
Trichlorofluoromethane (Freon 11)	**18.2**		µg/l		20.0		91	70-130	9	50
1,2,3-Trichloropropane	**20.1**		µg/l		20.0		100	70-130	2	25
1,2,4-Trimethylbenzene	**19.5**		µg/l		20.0		98	70-130	6	25
1,3,5-Trimethylbenzene	**18.6**		µg/l		20.0		93	70-130	6	25
Vinyl chloride	**17.4**		µg/l		20.0		87	70-130	14	25
m,p-Xylene	**38.3**		µg/l		40.0		96	70-130	4	25
o-Xylene	**18.9**		µg/l		20.0		94	70-130	3	25
Tetrahydrofuran	**20.9**		µg/l		20.0		105	70-130	4	25
Ethyl ether	**19.9**		µg/l		20.0		100	70-130	0.05	50
Tert-amyl methyl ether	**17.8**		µg/l		20.0		89	70-130	3	25
Ethyl tert-butyl ether	**18.4**		µg/l		20.0		92	70-130	3	25
Di-isopropyl ether	**19.6**		µg/l		20.0		98	70-130	4	25
Tert-Butanol / butyl alcohol	**207**		µg/l		200		104	70-130	3	25
1,4-Dioxane	**239**		µg/l		200		120	70-130	5	25
trans-1,4-Dichloro-2-butene	**23.3**		µg/l		20.0		116	70-130	2	25
Ethanol	**391**		µg/l		400		98	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*50.1*		µg/l		*50.0*		*100*	*70-130*		

Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1120688 - SW846 3510C										
Blank (1120688-BLK1)					Prepared & Analyzed: 07-Oct-11					
Fuel Oil #2	< 0.1		mg/l	0.1						
Fuel Oil #4	< 0.1		mg/l	0.1						
Fuel Oil #6	< 0.1		mg/l	0.1						
Motor Oil	< 0.1		mg/l	0.1						
Aviation Fuel	< 0.1		mg/l	0.1						
Unidentified	< 0.1		mg/l	0.1						
Other Oil	< 0.1		mg/l	0.1						
Diesel Range Organics (DRO)	< 0.1		mg/l	0.1						
Surrogate: 1-Chlorooctadecane	*0.0435*		mg/l		*0.0500*		*87*	*40-140*		
LCS (1120688-BS2)					Prepared & Analyzed: 07-Oct-11					
Fuel Oil #2	**9.2**		mg/l	0.1	10.0		92	40-140		
Surrogate: 1-Chlorooctadecane	*0.0394*		mg/l		*0.0500*		*79*	*40-140*		

Notes and Definitions

dry Sample results reported on a dry weight basis

NR Not Reported

RPD Relative Percent Difference

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 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:
Nicole Leja

SB 36938 BY

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 24 hours 10/8/11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: ERM
East Hartford, CT

Telephone #: 860. 466. 8500
Project Mgr. John Zehren

Invoice To: SAME

P.O. No.: RQN: MSA

Project No.: 0140857
Site Name: Project Green
Location: Bennington State: VT
Sampler(s): S. Seekins

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= 2

List preservative code below: 2

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 VT DEC Preventative Action Levels

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 Full Suite	TPH DRO 8015
36938-01	ERM-04-20111006-01	10/6/11	16:10	G	GW	3				X	
02	ERM-05-20111006-01	↓	15:30	G	GW	3				X	
03	MW-03-20111006-01	↓	14:30	G	GW	3	1			X	X

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	[signature]	10/7/11	826	2.9

☒ EDD Format Excel Cnt | Standard
☒ E-mail to John.Zehren@erm.com

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

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

Revised July 2010

Don Maynard
The Johnson Company
100 State Street
Montpelier , VT 05602

ACCREDITED IN ACCORDANCE WITH nelac

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 104427
Client Identification: VT Composites | 3-2221-1
Date Received: 10/21/2011

Dear Mr. Maynard :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 10.25.11 Date | 6 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: 104427

Client: **The Johnson Company**

Client Designation: **VT Composites | 3-2221-1**

Temperature upon receipt (°C): 8.3 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
104427.01	JC01	10/21/11	10/20/11	soil	89.4	Adheres to Sample Acceptance Policy
104427.02	JC02	10/21/11	10/20/11	soil	82.3	Adheres to Sample Acceptance Policy
104427.03	JC03	10/21/11	10/20/11	soil	83.5	Adheres to Sample Acceptance Policy
104427.04	JC04	10/21/11	10/20/11	soil	87.1	Placed on hold at customer's request
104427.05	JC05	10/21/11	10/20/11	soil	93.3	Adheres to Sample Acceptance Policy
104427.06	JC06	10/21/11	10/20/11	soil	82.7	Adheres to Sample Acceptance Policy
104427.07	JC07	10/21/11	10/20/11	soil	81.3	Adheres to Sample Acceptance Policy
104427.08	JC08	10/21/11	10/20/11	soil	82.5	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

EAI ID#: 104427

Client: **The Johnson Company**

Client Designation: **VT Composites | 3-2221-1**

Sample ID:	JC01	JC02	JC03	JC05	JC06	JC07	JC08
Lab Sample ID:	104427.01	104427.02	104427.03	104427.05	104427.06	104427.07	104427.08
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	10/20/11	10/20/11	10/20/11	10/20/11	10/20/11	10/20/11	10/20/11
Date Received:	10/21/11	10/21/11	10/21/11	10/21/11	10/21/11	10/21/11	10/21/11
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11
Date of Analysis:	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11
Analyst:	JMR	JMR	JMR	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
Naphthalene	**0.009**	< 0.008	< 0.008	< 0.007	< 0.008	< 0.008	< 0.008
2-Methylnaphthalene	**0.009**	< 0.008	< 0.008	< 0.007	< 0.008	< 0.008	< 0.008
Acenaphthylene	**0.012**	< 0.008	< 0.008	< 0.007	< 0.008	< 0.008	< 0.008
Acenaphthene	**0.064**	< 0.008	< 0.008	< 0.007	< 0.008	< 0.008	< 0.008
Fluorene	**0.088**	< 0.008	< 0.008	< 0.007	< 0.008	< 0.008	< 0.008
Phenanthrene	**1.2**	< 0.008	< 0.008	< 0.007	< 0.008	**0.019**	**0.025**
Anthracene	**0.33**	< 0.008	< 0.008	< 0.007	< 0.008	< 0.008	< 0.008
Fluoranthene	**2.6**	**0.013**	< 0.008	**0.008**	**0.021**	**0.070**	**0.087**
Pyrene	**2.2**	**0.012**	< 0.008	< 0.007	**0.018**	**0.057**	**0.071**
Benzo[a]anthracene	**1.3**	< 0.008	< 0.008	< 0.007	**0.012**	**0.030**	**0.036**
Chrysene	**1.5**	< 0.008	< 0.008	< 0.007	**0.011**	**0.039**	**0.044**
Benzo[b]fluoranthene	**1.8**	< 0.008	< 0.008	< 0.007	**0.016**	**0.054**	**0.066**
Benzo[k]fluoranthene	**0.69**	< 0.008	< 0.008	< 0.007	< 0.008	**0.023**	**0.025**
Benzo[a]pyrene	**1.4**	< 0.008	< 0.008	< 0.007	**0.011**	**0.039**	**0.045**
Indeno[1,2,3-cd]pyrene	**1.1**	< 0.008	< 0.008	< 0.007	**0.010**	**0.033**	**0.037**
Dibenz[a,h]anthracene	**0.25**	< 0.008	< 0.008	< 0.007	< 0.008	< 0.008	< 0.008
Benzo[g,h,i]perylene	**1.0**	< 0.008	< 0.008	< 0.007	**0.008**	**0.030**	**0.032**
p-Terphenyl-D14 (surr)	**77 %R**	**62 %R**	**69 %R**	**69 %R**	**67 %R**	**68 %R**	**64 %R**

QC REPORT

EAI ID#: 104427

Client: **The Johnson Company**

Batch ID: 734434-32498/S102411PAH1

Client Designation: **VT Composites | 3-2221-1**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Naphthalene	< 0.007	1.5 (88 %R)	1.6 (93 %R) (6 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
2-Methylnaphthalene	< 0.007	1.4 (83 %R)	1.5 (89 %R) (7 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Acenaphthylene	< 0.007	1.3 (76 %R)	1.4 (81 %R) (6 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Acenaphthene	< 0.007	1.4 (84 %R)	1.5 (91 %R) (8 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Fluorene	< 0.007	1.4 (83 %R)	1.5 (90 %R) (8 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Phenanthrene	< 0.007	1.4 (83 %R)	1.5 (89 %R) (7 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Anthracene	< 0.007	1.4 (85 %R)	1.6 (94 %R) (10 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Fluoranthene	< 0.007	1.3 (80 %R)	1.4 (85 %R) (6 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Pyrene	< 0.007	1.3 (78 %R)	1.4 (84 %R) (7 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Benzo[a]anthracene	< 0.007	1.2 (72 %R)	1.3 (78 %R) (8 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Chrysene	< 0.007	1.4 (84 %R)	1.5 (90 %R) (7 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Benzo[b]fluoranthene	< 0.007	1.2 (75 %R)	1.3 (81 %R) (8 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Benzo[k]fluoranthene	< 0.007	1.4 (86 %R)	1.5 (91 %R) (6 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Benzo[a]pyrene	< 0.007	1.4 (84 %R)	1.5 (91 %R) (8 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Indeno[1,2,3-cd]pyrene	< 0.007	1.3 (80 %R)	1.5 (88 %R) (10 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Dibenz[a,h]anthracene	< 0.007	1.4 (84 %R)	1.5 (91 %R) (8 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
Benzo[g,h,i]perylene	< 0.007	1.3 (80 %R)	1.4 (85 %R) (6 RPD)	10/24/2011	mg/kg	40 - 140	30	8270D
p-Terphenyl-D14 (surr)	78 %R	79 %R	87 %R	10/24/2011	mg/kg	30 - 130		8270D

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

LABORATORY REPORT

EAI ID#: 104427

Client: **The Johnson Company**

Client Designation: **VT Composites | 3-2221-1**

Sample ID:	JC01	JC02	JC03	JC05	JC06	JC07	JC08
Lab Sample ID:	104427.01	104427.02	104427.03	104427.05	104427.06	104427.07	104427.08
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	10/20/11	10/20/11	10/20/11	10/20/11	10/20/11	10/20/11	10/20/11
Date Received:	10/21/11	10/21/11	10/21/11	10/21/11	10/21/11	10/21/11	10/21/11
% Solid:	89.4	82.3	83.5	93.3	82.7	81.3	82.5
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11
Date of Analysis:	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11	10/24/11
Analyst:	JW	JW	JW	JW	JW	JW	JW
Extraction Method:	3545A	3545A	3545A	3545A	3545A	3545A	3545A
Analysis Method:	8100mod	8100mod	8100mod	8100mod	8100mod	8100mod	8100mod
Dilution Factor:	1	1	1	1	1	1	1
TPH (C9-C40)	**50**	< 20	< 20	< 13	**20**	**30**	**30**
p-Terphenyl-D14 (TPH surr)	**101 %R**	**69 %R**	**85 %R**	**82 %R**	**83 %R**	**86 %R**	**82 %R**

QC REPORT

EAI ID#: 104427

Client: **The Johnson Company**

Batch ID: 734434-32370/S102411TPHL11

Client Designation: **VT Composites | 3-2221-1**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
TPH (C9-C40)	< 13	70 (87 %R)	80 (97 %R) (11 RPD)	10/24/2011	mg/kg	30 - 160	30	8100mod
p-Terphenyl-D14 (TPH surr)	95 %R	95 %R	107 %R	10/24/2011	% Rec	30 - 130		8100mod

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

104427

CHAIN OF CUSTODY RECORD

Client / Project Name	Project Location
VT COMPOSITES	BENNINGTON, VT
Project No. 3-2221-1	Field Logbook No. DMM # 45
Sampler: (Signature) [signature]	Chain of Custody Tape No. 75-71

ANALYZES: 8100 DM 10/20; TPH 8015 DRO; 8270 DPAH SIM

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	TPH 8015 DRO	8270 DPAH SIM					REMARKS
JC01	10/20/11	14:20		SOIL - 4OZ Amber JAR	✓						
JC02	↓	14:22		↓	✓						
JC03	↓	14:25		↓	✓						
JC04	↓	14:35		↓	HOLD UNTIL Notified						
JC05	10/20/11	15:25		SOIL - 4OZ Amber	✓						
JC06	↓	17:20		↓	✓						
JC07	↓	17:23		↓	✓						
JC08	↓	17:25		↓	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/21/11	10:30	[signature]	10-21-11	10:30
Relinquished by: (Signature) [signature]	10-21-11	13:20	Received for Laboratory: (Signature) [signature]	10/21/11	1320
Sample Disposal Method:	Disposed of by: (Signature)			Date	Time

SAMPLE COLLECTOR

100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Fax (802) 229-5876

THE JOHNSON COMPANY, INC.
Environmental Sciences and Engineering

ANALYTICAL LABORATORY
RAPIDTAT Eastern Analytical Concord, NH
Results TO DMAYNARD@JCOMAIL.com
802-272-8868
By C.O.B TUESDAY OCT 25th

Shipper ID # courier
8.3°C ICP

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

Reorder from NEBS CUSTOM printing service 1-800-682-6527 NEBS, Inc. Peterborough, NH 03458 www.nebs.com Ref. No: G 164100504

Don Maynard
The Johnson Company
100 State Street
Montpelier , VT 05602

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 104614
Client Identification: VT Composites | 3-2221-1
Date Received: 10/28/2011

Dear Mr. Maynard :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 11.2.11 Date | 8 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: 104614

Client: **The Johnson Company**

Client Designation: **VT Composites | 3-2221-1**

Temperature upon receipt (°C): 8

Acceptable temperature range (°C): 0-6

Received on ice or cold packs (Yes/No): Y

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
104614.01	JCO-9	10/28/11	10/27/11	soil	84.0	Adheres to Sample Acceptance Policy
104614.02	JCO-10	10/28/11	10/27/11	soil	88.9	Adheres to Sample Acceptance Policy
104614.03	JCO-11	10/28/11	10/27/11	soil	85.6	Adheres to Sample Acceptance Policy
104614.04	JCO-12	10/28/11	10/27/11	soil	83.9	Adheres to Sample Acceptance Policy
104614.05	JCO-13	10/28/11	10/27/11	soil	92.5	Adheres to Sample Acceptance Policy
104614.06	JCO-14	10/28/11	10/27/11	soil	92.2	Adheres to Sample Acceptance Policy
104614.07	JCO-15	10/28/11	10/27/11	soil	80.8	Adheres to Sample Acceptance Policy
104614.08	JCO-16	10/28/11	10/27/11	soil	82.6	Adheres to Sample Acceptance Policy
104614.09	JCO-17	10/28/11	10/27/11	soil	80.3	Adheres to Sample Acceptance Policy
104614.1	JCO-18	10/28/11	10/27/11	soil	82.8	Adheres to Sample Acceptance Policy
104614.11	JCO-Dup	10/28/11	10/27/11	soil	81.8	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

Client: **The Johnson Company**

Client Designation: **VT Composites | 3-2221-1**

Sample ID:	JCO-9	JCO-10	JCO-11	JCO-12	JCO-13	JCO-14	JCO-15
Lab Sample ID:	104614.01	104614.02	104614.03	104614.04	104614.05	104614.06	104614.07
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11
Date Received:	10/28/11	10/28/11	10/28/11	10/28/11	10/28/11	10/28/11	10/28/11
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11
Date of Analysis:	11/1/11	11/1/11	11/1/11	11/1/11	11/1/11	11/1/11	11/1/11
Analyst:	JMR	JMR	JMR	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
Naphthalene	< 0.008	< 0.007	< 0.008	< 0.008	< 0.007	< 0.007	< 0.008
2-Methylnaphthalene	< 0.008	< 0.007	< 0.008	< 0.008	< 0.007	< 0.007	< 0.008
Acenaphthylene	< 0.008	< 0.007	< 0.008	< 0.008	< 0.007	< 0.007	< 0.008
Acenaphthene	< 0.008	< 0.007	< 0.008	< 0.008	< 0.007	< 0.007	< 0.008
Fluorene	< 0.008	< 0.007	< 0.008	< 0.008	< 0.007	< 0.007	< 0.008
Phenanthrene	**0.030**	< 0.007	**0.061**	< 0.008	< 0.007	< 0.007	< 0.008
Anthracene	< 0.008	< 0.007	< 0.008	< 0.008	< 0.007	< 0.007	< 0.008
Fluoranthene	**0.10**	**0.015**	**0.15**	**0.013**	< 0.007	**0.011**	**0.017**
Pyrene	**0.083**	**0.015**	**0.098**	**0.013**	< 0.007	**0.008**	**0.016**
Benzo[a]anthracene	**0.039**	**0.012**	**0.036**	**0.011**	< 0.007	< 0.007	**0.011**
Chrysene	**0.047**	**0.008**	**0.058**	< 0.008	< 0.007	< 0.007	**0.008**
Benzo[b]fluoranthene	**0.060**	**0.011**	**0.056**	**0.010**	< 0.007	< 0.007	**0.013**
Benzo[k]fluoranthene	**0.026**	< 0.007	**0.029**	< 0.008	< 0.007	< 0.007	< 0.008
Benzo[a]pyrene	**0.041**	**0.009**	**0.035**	< 0.008	< 0.007	< 0.007	**0.010**
Indeno[1,2,3-cd]pyrene	**0.032**	< 0.007	**0.033**	< 0.008	< 0.007	< 0.007	**0.008**
Dibenz[a,h]anthracene	< 0.008	< 0.007	**0.009**	< 0.008	< 0.007	< 0.007	< 0.008
Benzo[g,h,i]perylene	**0.028**	< 0.007	**0.029**	< 0.008	< 0.007	< 0.007	< 0.008
p-Terphenyl-D14 (surr)	**64 %R**	**67 %R**	**52 %R**	**63 %R**	**68 %R**	**65 %R**	**63 %R**

LABORATORY REPORT

EAI ID#: 104614

Client: **The Johnson Company**

Client Designation: **VT Composites | 3-2221-1**

Sample ID:	JCO-16	JCO-17	JCO-18	JCO-Dup
Lab Sample ID:	104614.08	104614.09	104614.1	104614.11
Matrix:	soil	soil	soil	soil
Date Sampled:	10/27/11	10/27/11	10/27/11	10/27/11
Date Received:	10/28/11	10/28/11	10/28/11	10/28/11
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/31/11	10/31/11	10/31/11	10/31/11
Date of Analysis:	11/1/11	11/1/11	11/1/11	11/1/11
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1
Naphthalene	< 0.008	< 0.008	< 0.008	< 0.008
2-Methylnaphthalene	< 0.008	< 0.008	< 0.008	< 0.008
Acenaphthylene	< 0.008	< 0.008	< 0.008	< 0.008
Acenaphthene	< 0.008	< 0.008	< 0.008	< 0.008
Fluorene	< 0.008	< 0.008	< 0.008	< 0.008
Phenanthrene	< 0.008	< 0.008	**0.011**	**0.014**
Anthracene	< 0.008	< 0.008	< 0.008	< 0.008
Fluoranthene	**0.017**	**0.020**	**0.035**	**0.048**
Pyrene	**0.016**	**0.016**	**0.030**	**0.042**
Benzo[a]anthracene	**0.011**	**0.013**	**0.016**	**0.023**
Chrysene	**0.009**	**0.011**	**0.017**	**0.023**
Benzo[b]fluoranthene	**0.014**	**0.017**	**0.025**	**0.037**
Benzo[k]fluoranthene	< 0.008	< 0.008	**0.010**	**0.014**
Benzo[a]pyrene	**0.010**	**0.013**	**0.017**	**0.025**
Indeno[1,2,3-cd]pyrene	**0.008**	**0.011**	**0.014**	**0.021**
Dibenz[a,h]anthracene	< 0.008	< 0.008	< 0.008	< 0.008
Benzo[g,h,i]perylene	< 0.008	**0.010**	**0.013**	**0.018**
p-Terphenyl-D14 (surr)	**64 %R**	**42 %R**	**54 %R**	**63 %R**

QC REPORT

EAI ID#: 104614

Client: **The Johnson Company**

Batch ID: 734441-34283/S103111PAH1

Client Designation: **VT Composites | 3-2221-1**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Naphthalene	< 0.007	1.2 (75 %R)	1.3 (78 %R) (4 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
2-Methylnaphthalene	< 0.007	1.2 (69 %R)	1.2 (73 %R) (6 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Acenaphthylene	< 0.007	1.1 (64 %R)	1.1 (67 %R) (5 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Acenaphthene	< 0.007	1.2 (71 %R)	1.2 (75 %R) (5 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Fluorene	< 0.007	1.2 (70 %R)	1.2 (73 %R) (4 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Phenanthrene	< 0.007	1.2 (69 %R)	1.2 (73 %R) (6 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Anthracene	< 0.007	1.1 (68 %R)	1.3 (76 %R) (11 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Fluoranthene	< 0.007	1.1 (67 %R)	1.2 (70 %R) (4 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Pyrene	< 0.007	1.1 (68 %R)	1.2 (71 %R) (4 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Benzo[a]anthracene	< 0.007	1.0 (61 %R)	1.1 (64 %R) (5 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Chrysene	< 0.007	1.2 (70 %R)	1.2 (73 %R) (4 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Benzo[b]fluoranthene	< 0.007	1.1 (67 %R)	1.1 (69 %R) (3 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Benzo[k]fluoranthene	< 0.007	1.2 (74 %R)	1.3 (76 %R) (3 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Benzo[a]pyrene	< 0.007	1.2 (71 %R)	1.2 (75 %R) (5 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Indeno[1,2,3-cd]pyrene	< 0.007	1.1 (67 %R)	1.2 (70 %R) (4 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Dibenz[a,h]anthracene	< 0.007	1.2 (69 %R)	1.2 (71 %R) (3 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
Benzo[g,h,i]perylene	< 0.007	1.1 (66 %R)	1.1 (68 %R) (3 RPD)	11/1/2011	mg/kg	40 - 140	30	8270D
p-Terphenyl-D14 (surr)	69 %R	69 %R	72 %R	11/1/2011	mg/kg	30 - 130		8270D

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

LABORATORY REPORT

EAI ID#: 104614

Client: **The Johnson Company**

Client Designation: **VT Composites | 3-2221-1**

Sample ID:	JCO-9	JCO-10	JCO-11	JCO-12	JCO-13	JCO-14	JCO-15
Lab Sample ID:	104614.01	104614.02	104614.03	104614.04	104614.05	104614.06	104614.07
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11	10/27/11
Date Received:	10/28/11	10/28/11	10/28/11	10/28/11	10/28/11	10/28/11	10/28/11
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11
Date of Analysis:	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11	10/31/11
Analyst:	JMR	JMR	JMR	JMR	JMR	JMR	JMR
Method:	8100mod	8100mod	8100mod	8100mod	8100mod	8100mod	8100mod
Dilution Factor:	1	1	1	1	1	1	1
TPH (C9-C40)	< 20	< 20	< 20	< 20	< 20	< 20	< 20
p-Terphenyl-D14 (TPH surr)	**81 %R**	**87 %R**	**77 %R**	**85 %R**	**84 %R**	**82 %R**	**83 %R**

LABORATORY REPORT

EAI ID#: 104614

Client: **The Johnson Company**

Client Designation: **VT Composites | 3-2221-1**

Sample ID:	JCO-16	JCO-17	JCO-18	JCO-Dup
Lab Sample ID:	104614.08	104614.09	104614.1	104614.11
Matrix:	soil	soil	soil	soil
Date Sampled:	10/27/11	10/27/11	10/27/11	10/27/11
Date Received:	10/28/11	10/28/11	10/28/11	10/28/11
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/31/11	10/31/11	10/31/11	10/31/11
Date of Analysis:	10/31/11	10/31/11	10/31/11	10/31/11
Analyst:	JMR	JMR	JMR	JMR
Method:	8100mod	8100mod	8100mod	8100mod
Dilution Factor:	1	1	1	1
TPH (C9-C40)	< 20	< 20	< 20	< 20
p-Terphenyl-D14 (TPH surr)	**82 %R**	**57 %R**	**71 %R**	**82 %R**

QC REPORT

EAI ID#: 104614

Client: **The Johnson Company**

Batch ID: 734441-34401/S103111TPHL11

Client Designation: **VT Composites | 3-2221-1**

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
TPH (C9-C40)	< 13	64 (81 %R)	66 (84 %R) (4 RPD)	10/31/2011	mg/kg	30 - 160	30	8100mod
p-Terphenyl-D14 (TPH surr)	89 %R	89 %R	91 %R	10/31/2011	% Rec	30 - 130		8100mod

Samples were extracted and analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
Sample surrogate recoveries met the above stated criteria.
The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.
There were no exceptions in the analyses, unless noted.
*/! Flagged analyte recoveries deviated from the QA/QC limits.

CHAIN OF CUSTODY RECORD

104614

8

Client / Project Name	Project Location
VT COMPOSITES	Bennington VT
Project No.	**Field Logbook No.**
3-2221-1	DMM#45
Sampler: (Signature)	**Chain of Custody Tape No.**
[signature]	7572

ANALYZES: 8270 DSIM PAH, 8120 TPH-DRO

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	8270 DSIM PAH	8120 TPH-DRO					REMARKS
JCO-9	10/27/11	12:20		SOILS-Glass 8oz.	✓						
JCO-10		12:25									
JCO-11		13:45									
JCO-12		13:50									
JCO-13		14:25									
JCO-14		14:30									
JCO15		16:25									
JCO16		16:28									
JCO17		16:32									
JCO18		16:35									
JCOD1W		12:00									

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/28/11	12:37	[signature]	10-28-11	12:37
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
[signature]	10-28-11	14:52	[signature]	10/28/11	1452

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time

SAMPLE COLLECTOR

100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Fax (802) 229-5876

THE JOHNSON COMPANY, INC.
Environmental Sciences and Engineering

ANALYTICAL LABORATORY 3 DAY TAT
EASTERN ANALYTICAL
RESULTS TO DMAYNARD@JCOMAIL.com
8°C ON ICE

Shipper ID # COURIER

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

Source from NEBS CUSTY M printing service 1-800 668-6527 NEBS Inc. Peterborough, NH 03458 www.nebs.com
Rev. No: G 1041100604

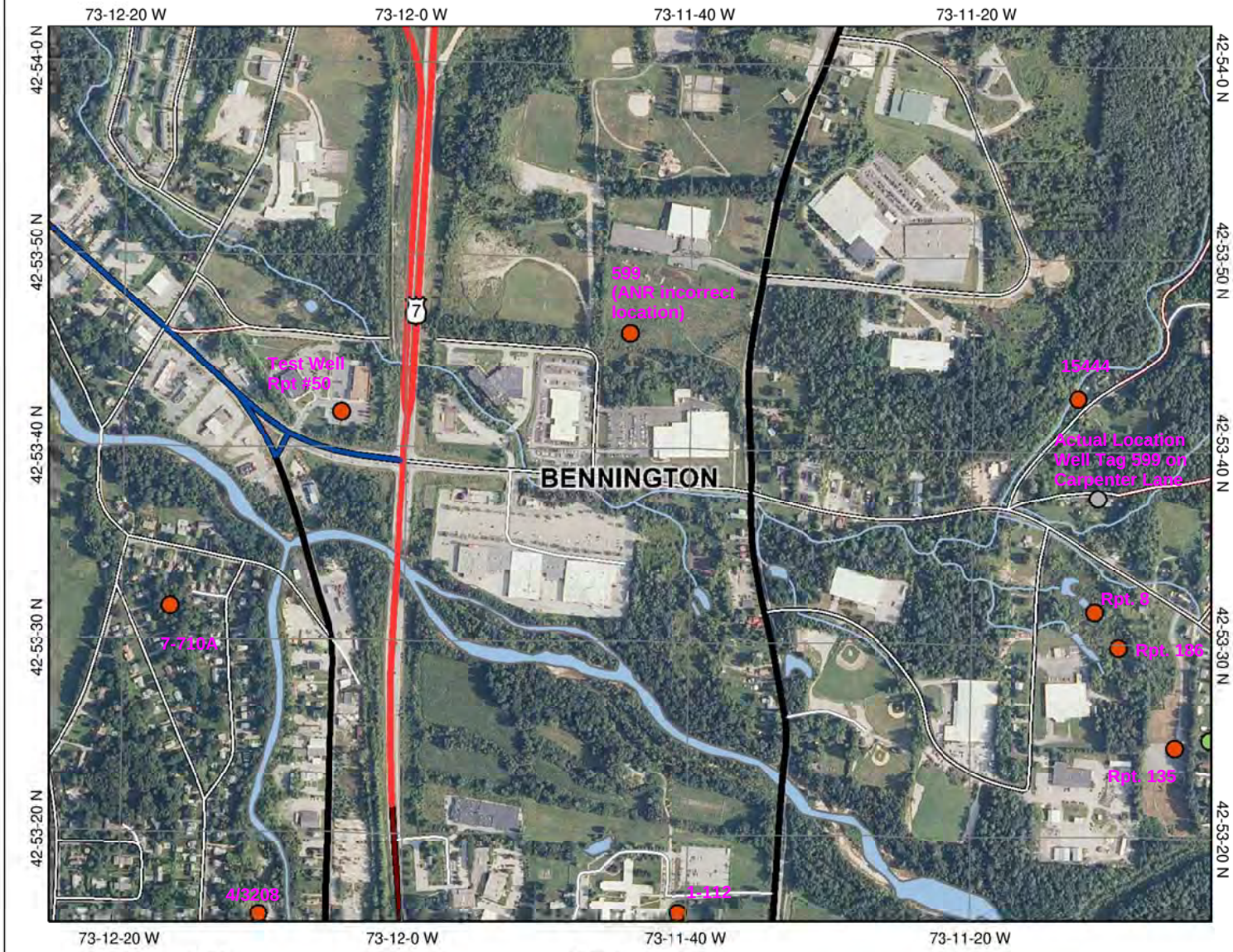
ATTACHMENT 6

SUPPORTING DOCUMENTS FOR RECEPTOR EVALUATION

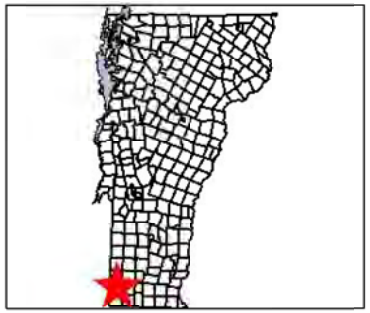
ANR Well Locator

Vermont Agency of Natural Resources (ANR)

Vt ANR Water supply Wells 101911



Map center: 443183, 44011



Legend

Private Wells
- E911 Address
- GPS location
- Welldriller/Clarion
- Screen Digitized
- Not Available

Roads
- US Highway
- Vermont State Highway
- Class One
- Class Two
- Legal Trail
- Emergency U-Turn Area
- Proposed Class Two
- Proposed Class Three
- Proposed Vermont State Highway
- Proposed US Highway
- Proposed Interstate
- Discontinued
- Interstate
- Class Three
- Class Four
- State/National Forest Highway
- Military Road (No Public Access)
- Private Road
- Hydrography Lakes and Ponds (VHD 5k)
- Hydrography (VHD 5k)
- VT County Boundary
- VT Town Boundaries (No Fill)
- NAIP Color Orthophotos 2009
- VT State Boundary (Fill)

VT State Plane Meters (NAD83)

N

Scale: 1:10,036

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. VCGI and the State of Vermont make no representations of any kind, including but not limited to the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

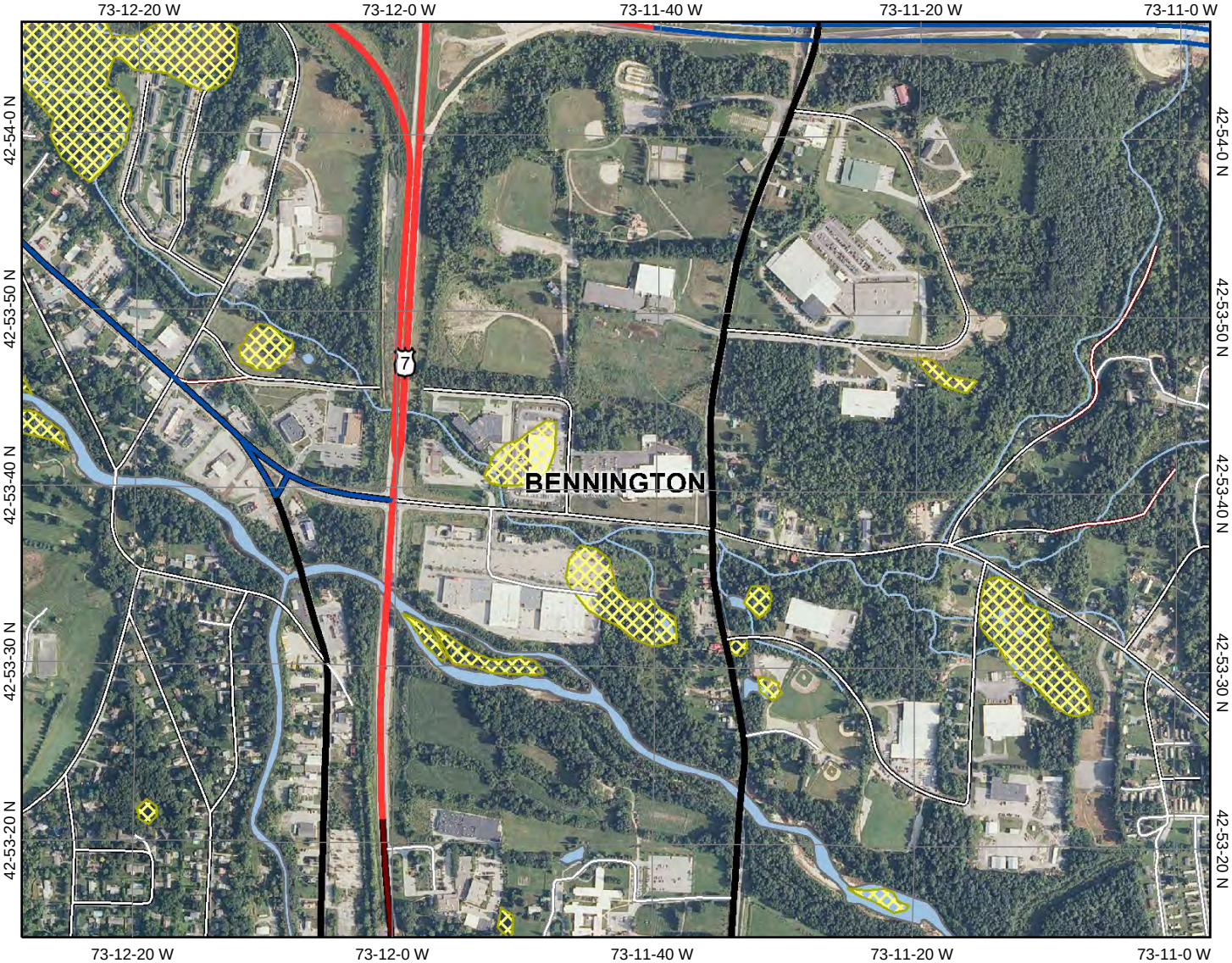
URL: http://maps.vermont.gov/imf/sites/ANR_WSWelldriller/jsp/launch.jsp

10/19/11

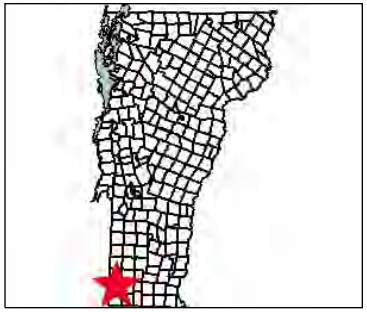
ANR Environmental Interest Locator

Vermont Agency of Natural Resources (ANR)

Class II Wetlands



Map center: 443209, 44069



Legend

Roads

- US Highway
- Vermont State Highway
- Class One
- Class Two
- Legal Trail
- Emergency U-Turn Area
- Proposed Class Two
- Proposed Class Three
- Proposed Vermont State Highway
- Proposed US Highway
- Proposed Interstate
- Discontinued
- Interstate
- Class Three
- Class Four
- State/National Forest Highway
- Military Road (No Public Access)
- Private Road
- Wetland Advisory Layer: Class 3 Wetlands

VSWI

- Class 1 Wetland
- Class 2 Wetland
- Hydrography Lakes and Ponds (VHD 5k)
- Hydrography (VHD 5k)
- VT County Boundary
- VT Town Boundaries (No Fill)
- NAIP Color Orthophotos 2009
- VT State Boundary (Fill)

VT State Plane Meters (NAD83)

N

Scale: 1:11,171

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. VCGI and the State of Vermont make no representations of any kind, including but not limited to the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

URL: http://maps.vermont.gov/imf/sites/ANR_NATRESViewer/jsp/launch.jsp

10/22/11

ATTACHMENT 7

WELL ABANDONMENT WORKPLAN

Work Plan for Monitoring Well Abandonment at
Vermont Composites, 25 Performance Drive, Bennington, Vermont;
Vermont DEC Site #2011-4213

The Johnson Company proposes to abandon all remaining monitoring wells related to the Vermont Composites Site #2011-4213 on behalf of the property owner. The wells are located as shown on Figure 4 of the November 2011 Report of Site Investigation Vermont Composites. The abandonment is being performed in fulfillment of the requirements for Site Management Activity Completed (SMAC) status.

The eight remaining wells (MW-01 through MW-03 and ERM-01 through ERM-05) will be abandoned by filling with bentonite grout and bentonite pellets and chips, to render the bore hole at least as impervious as the surrounding native material in accordance with Section 12.3.5.3 page A-12-6 of the Vermont Water Supply Rule - Chapter 21. The well closure process shall be as follows:

1. **Open well, measure and record water level and total depth. Record casing diameter.**
2. **Knock out, drive or drill through bottom of well casing;**
3. **Mix bentonite grout and place it in well using the well casing as a tremie, or using a separate tremie pipe. Remove casing/tremie while maintaining grout level at or above ground surface. After the casing/tremie is removed, continue adding grout until the level stabilizes in the hole to approximately two feet below ground surface. Record quantity of grout injected.**
4. **Remove well guard.**
5. **Add bentonite pellets or chips to hole to approximately 1 foot below ground surface. Record quantity of bentonite used.**
6. **Fill upper foot of hole with sand and/or concrete to match existing conditions.**
7. **Prepare and submit a report of the well abandonment signed by a Vermont licensed well driller.**