
Phase II Environmental Site Assessment



Property:

Jacobson Property
24th Avenue Northwest and
Northwest Market Street
Seattle, Washington

Prepared for:

AMLI Residential Partners, LLC
535 Pontius Avenue North
Suite 120
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Report Date:

June 24, 2011

Phase II Environmental Site Assessment

Prepared for:

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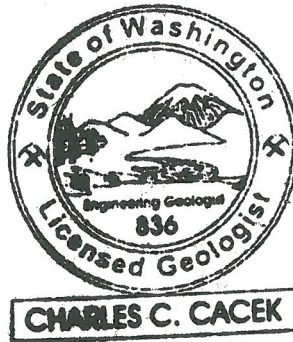
Jacobson Property
24th Avenue Northwest and Northwest Market Street
Seattle, Washington 98107

Project No.: 0789-002-01

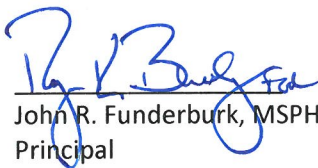
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June 24, 2011



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EXECUTIVE SUMMARY

AMLI Residential Partners, LLC commissioned SoundEarth Strategies, Inc. to complete a Phase II Environmental Site Assessment for the Jacobson Property, located at 2412, 2428, and 2436 Northwest Market Street, 5511 24th Avenue Northwest, and 2435 Northwest 56th Street in Seattle, Washington (hereinafter referred to as the Property). The Phase II Environmental Site Assessment was conducted in general accordance with American Society for Testing and Materials E1903-97 (Re-approved 2002) Standard Guide of Environmental Site Assessments: Phase II Environmental Site Assessment Process. The purpose of the Phase II Environmental Site Assessment was to evaluate the environmental quality of soil and groundwater as a result of the recognized environmental conditions identified during the Phase I Environmental Site Assessment completed by SoundEarth Strategies, Inc.

SoundEarth Strategies, Inc., Environmental Services Northwest, Cascade Drilling, and Borettec, Inc. conducted a Phase II Environmental Site Assessment on March 14, 15, 17, 18, and 30, 2011, in an effort to evaluate the environmental quality of soil and groundwater beneath the Property as a result of the recognized environmental conditions identified from SoundEarth Strategies, Inc.'s Phase I Environmental Site Assessment. No concentrations of volatile organic compounds, petroleum hydrocarbons, or total lead and arsenic above the Washington State Model Toxics Control Act Method A cleanup levels were identified in soil on the property. Groundwater samples collected from five of seven on-Property and off-Property monitoring wells did not exhibit concentrations of petroleum hydrocarbons, benzene, toluene, ethylbenzene, total xylenes, and halogenated volatile organic compounds above laboratory detection limits. The groundwater sample collected from off-Property well MW-13 exhibited a detectable concentration of benzene that was below the Washington State Model Toxics Control Act (MTCA) Method A cleanup level. However, the groundwater sample collected from well MW-J4 exhibited a benzene concentration in excess of the MTCA Method A cleanup level. The benzene does not appear to be the result of a release from an on-Property source, and most likely represents the trailing edge of a groundwater contaminant plume from a documented release of a property located to the north of and hydrologically upgradient from the property.

It is our understanding that future conceptual plans call for redeveloping the entire Property with mixed use development including a three-story basement parking level and removing up to the upper 30 feet of site soils. The results of this assessment, coupled with previous investigation work completed by Golder Associates, identified localized areas with low levels of oil-range petroleum hydrocarbons and volatile organic compounds in near-surface, on-Property soils. While these soils do not exhibit concentrations above regulatory cleanup levels, the excavated soils showing petroleum staining and odors will require controlled disposal at a regulated facility.

Given the presence of groundwater below the property at depths ranging from about 11 to 17 feet below ground surface, both temporary construction dewatering and permanent dewatering systems will be required for the development that includes three floors of subgrade parking. The presence of elevated GRPH and benzene associated with past groundwater sampling at the Spirit Service Station and well MW-J4 on the northeast portion of the site present the following considerations for the planned development:

EXECUTIVE SUMMARY (CONTINUED)

- Temporary and permanent dewatering systems may generate collected effluent with detectable concentrations of benzene and GRPH.
- Without proper design planning, the permanent dewatering system for the development may alter local near surface groundwater flow and draw contaminants into the effluent stream from the identified off-Property sources located to the southeast and north of the subject Property.

The presence of benzene in the on-Property groundwater, as well as in soils on the Spirit Service Station property, raises concern for potential vapor intrusion. However, the planned development will include two levels of ventilated underground parking, which will effectively mitigate these concerns. However, if development plans change significantly, vapor intrusion may be a concern, and additional assessment and mitigation work may be warranted.

This executive summary is presented solely for introductory purposes and the information contained in this section should be used only in conjunction with the full text of this report. A complete description of the project, Property conditions, investigative methods, and investigation results is contained within this report.

1.0 INTRODUCTION

1.1 PURPOSE OF STUDY

SoundEarth Strategies, Inc. (SoundEarth) was commissioned by AMLI Residential Partners, LLC to complete a Phase II Environmental Site Assessment (ESA) of the Jacobson Property, located at 2412, 2428, and 2436 Northwest Market Street, 5511 24th Avenue Northwest, and 2435 Northwest 56th Street in Seattle, Washington (hereinafter referred to as the Property). The Property location is shown on Figure 1. The primary purpose of this ESA is to identify, to the extent feasible, recognized environmental conditions (RECs) resulting from the improper use, manufacture, storage, and/or disposal of hazardous or toxic substances that could affect the future acquisition and/or development of the Property.

This study is intended to satisfy the level of effort often referred to as "all appropriate inquiry" in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 9601 of Title 42 of the United States Code (42 USC 9601), with the objective of allowing AMLI Residential Partners, LLC to qualify for the landowner liability protections afforded by CERCLA.

1.2 METHODOLOGY/SCOPE OF WORK

"The scope of work for this Phase II ESA was developed by SoundEarth based on the findings of the Phase I ESA for this property, which was also prepared by SoundEarth (SoundEarth Project Number 0789-001-01, dated June 23, 2011). The scope of work was specifically designed to address all recognized environmental conditions found in said Phase I, and included the following:"

- Installing nine direct push probe soil borings (P01 through P09).
- Installing five hollow stem auger borings (B101 through B105), three of which were completed as 2-inch-diameter groundwater monitoring wells (MW101 through MW103).
- Screening soils samples from the borings and submitting selected soil samples for analyses for gasoline-range petroleum hydrocarbons (GRPH), diesel-range petroleum hydrocarbons (DRPH), and oil-range petroleum hydrocarbons (ORPH), volatile organic compounds (VOCs), and total arsenic and total lead.
- Measuring groundwater depths of eight on-site and off-site wells (MW101 through MW103, MW-J1, MW-J3, MW-J4, MW-3, and MW-13) and using differential leveling techniques to evaluate groundwater migration direction.
- Developing and sampling three new groundwater monitoring wells (MW101 through MW103), as well as sampling four existing wells (MW-J1, MW-J3, MW-J4, and MW-13) for GRPH, DRPH, ORPH, and VOCs.
- Completing a detailed Phase II ESA report that describes subsurface conditions, including soil types, groundwater depth and migration direction; summarizes analytical test results for soil and groundwater; and provides recommendations for additional work, if deemed necessary.

1.3 LIMITATIONS

This Phase II ESA report is for the exclusive use of AMLI Residential Partners, LLC. The purpose of this report is to provide the client with an assessment of the potential for the presence of contamination on the Property. Phase II ESAs are non-comprehensive and may not identify all environmental risk associated with the Property.

Within the limitations of scope, schedule, and budget, our services have been executed in general accordance with procedures specified in American Society for Testing and Materials Standard E1903-97 (2002). The Phase II ESA was limited as stated above; therefore, SoundEarth cannot and does not guarantee that the Property is free of hazardous or potentially hazardous materials or conditions, or that latent or undiscovered conditions will not become evident in the future. Since Property activities beyond the control of SoundEarth could change at any time after the completion of this assessment, the observations, findings, and opinions can only be considered valid as of the date hereof.

Any third party other than the client who wishes to use this report shall notify SoundEarth of their intent. Based on the intended use of this report by a 3rd party, SoundEarth may recommend that additional work be conducted and that an updated report be issued to address the third party plans for the property. Noncompliance with any of these requirements by the client or anyone else will release SoundEarth from any liability resulting from the use of this report by any unauthorized party, and the client agrees to defend, indemnify, and hold harmless SoundEarth from any claim or liability associated with such unauthorized use or noncompliance.

2.0 PROPERTY DESCRIPTION

The Jacobson Property includes six different tax parcels, as listed below.

Tax Parcel No.	Lot Size (square feet)	Address	Building Footprint (square feet)/ Construction Date
276770-1180	13,337	2412 Northwest Market Street	9,200/1927
276770-1155	15,030	5511 24 th Avenue Northwest	15,030/1959
276770-1150	7,515	2412 Northwest Market Street	1,080/1963
276770-1136	22,756	2428 Northwest Market Street	5,000/1950
276770-1135	7,872	2436 Northwest Market Street	6,638/1979
276770-1130	5,010	2435 Northwest 56 th Street	No Structures

The above-listed contiguous parcels support two buildings that contain marine businesses (2412 and 2428 Northwest Market Street), and a vacant retail building (2436 Northwest Market Street). Additional structures include a workshop and a storage building at the rear of the buildings located at 2412 and 2428 Northwest Market Street. The non-building areas of the parcels support paved parking lots. The contiguous parcels collectively front Northwest Market Street to the south, Northwest 56th Street to the north, 24th Avenue Northwest and the Frihet property to the east, and commercial businesses to the west. The parcels

are served by overhead and underground power, underground natural gas, municipal potable water, storm and sanitary sewer utilities. The Jacobson Property is depicted on Figure 2.

3.0 BACKGROUND

The following reports were provided by the client for SoundEarth's review:

1. Golder Associates, Conceptual Cost Estimate for Excavation of Petroleum-Contaminated Soil, Frihet-Spirit Service Station Property, Seattle, Washington, dated December 16, 2010.
2. Golder Associates, Phase II Environmental Site Assessment of the Frihet Property, 5505 24th Avenue Northwest, Seattle, Washington, dated December 17, 2010.
3. Golder Associates, Phase I Environmental Site Assessment of the Jacobson Property, 2412, 2428, and 2436 Northwest Market Street, Seattle, Washington, dated January 11, 2011.
4. Golder Associates, Phase II Environmental Site Assessment of the Jacobson Property, 2412, 2428, and 2436 Northwest Market Street, Seattle, Washington, dated January 17, 2011.
5. SoundEarth Strategies, Inc. Phase I Environmental Site Assessment of the Jacobson Property, 2412, 2428, and 2436 Northwest Market Street, Seattle, Washington, dated June 23, 2011.

Based on the review of the previously listed reports and the results of SoundEarth's Phase I ESA, the following RECs were identified on the property:

- The former presence of a gas station and auto service garage (Dick Smith's Super Service) that operated within the 1927-vintage Building 1 (2412 Northwest Market Street) on the Property during the 1930s.
- Presence of a plume of benzene-contaminated groundwater extending beneath the Property and likely originating from a former off-Property hydrologically upgradient gas stations located due north of the Property.
- Presence of halogenated solvent (tetrachloroethene) of unknown origin at concentrations below the Washington State Model Toxics Control Act (MTCA) Method A cleanup level in shallow subsurface soil (upper approximately 5 feet) beneath the southeastern portion of the Property (below Building 1) identified by others (Golder 2011a).
- Risk for subsurface environmental impacts to the Property related to confirmed release(s) of petroleum hydrocarbons to soil and groundwater at the gas station on the southeast-adjointing property at 5505 24th Avenue Northwest identified currently as the Market Street Spirit Service Station (and historically as Market Street Texaco and various other names).
- Storage and consumption of heating oil at the Property to fire the heating systems in Building 1, in the formerly existing building at 5511 through 5515 24th Avenue Northwest, in former on-Property residences, and a former heating system in Building 2.

4.0 PHASE II ESA

SoundEarth representatives mobilized to the field on March 14, 15, 17, 18 and 30, 2011, to conduct the Phase II ESA activities. As discussed in Section 1.0 above, the Phase II ESA was conducted in an effort to evaluate the potential for adverse environmental impacts to soil and groundwater as a result of RECs identified during the Phase I ESA.

4.1 OBJECTIVE OF THE PHASE II ESA

The primary objective of conducting a Phase II ESA is to evaluate the RECs identified during the Phase I ESA for the purpose of providing sufficient information regarding the nature and extent of contamination in an effort to provide the level of knowledge necessary to satisfy the innocent purchaser defense under CERCLA (42 USC 9601).

4.2 FIELD INVESTIGATION PROGRAM

The scope of work associated with the Phase II ESA included the following activities:

- Preparing a health and safety plan in accordance with MTCA and Part 1910.120 of Title 29 of the Code of Federal Regulations prior to initiating field activities.
- Performing utility locates at the proposed boring locations using a private utility location service and contacting the One-Call Center for public utility location.
- Performing a limited ground-penetrating radar (GPR) survey of the area of the former service station located at 2412 Northwest Market Street, and the suspect underground storage tank (UST) location at the northwest portion of the building located at 2428 Northwest Market Street to identify any USTs or other subsurface anomalies.
- Advancing nine direct push probe borings (P01 through P09) and five hollow stem auger borings (B101 through B105) and submit selected soil samples for laboratory analysis.
- Completing borings B101 through B103 as 2-inch-diameter groundwater monitoring wells (MW101 through MW103), collecting groundwater samples from these and other existing site monitoring wells (MW-J1, MW-J3, MW-J4, and MW-13) and submitting groundwater samples for laboratory analysis.
- Measuring depth to groundwater for eight on-Property and off-Property monitoring wells (MW101 through MW103, MW-J1, MW-J3, MW-J4, MW-3, and MW-13), and surveying the well casings using differential optical technique to assess groundwater migration direction.

A detailed description of the Phase II ESA field activities is provided in the following subsections.

4.2.1 Pre-Investigation Activities

The Phase II ESA was conducted March 14, 15, 17, 18, and 30, 2011. Drilling activities were conducted under the supervision of a SoundEarth licensed geologist. Prior to commencement of drilling, a private utility locate and a limited GPR survey were conducted by Underground Detection Services, Inc. (UDS), of Seattle, Washington. Push-probe drilling services were provided by ESN Northwest of Lacey, Washington, and auger drilling services were provided by Cascade Drilling of Woodinville, Washington, and Boretac, Inc., of Spokane, Washington.

4.2.2 Investigation Methods

The investigation took place over the course of 5 days. Hollow stem auger borings B101 through B105 were drilled using both truck-mounted and trailer-mounted hollow stem auger drill rigs. Push-probe borings P01 through P03 were advanced using a limited-access push probe rig, and push-probe borings P04 through P09 were advanced using a truck-mounted push-probe drill rig. SoundEarth personnel continuously directed, oversaw, and logged all borings advanced for this investigation.

During the course of the investigation, 14 soil borings were advanced across the Property, which included hollow stem auger borings B101 through B105 and direct push probe borings P01 through P09. Borings B101, B102, and B103 were completed as 2-inch-diameter polyvinyl chloride (PVC) groundwater monitoring wells (designated MW010, MW102, and MW103). These soil borings were chosen to provide a horizontal survey of subsurface fill material across the Property, as well as to provide an investigation of the RECs listed in Section 3.0. The boring locations are discussed below:

- Borings P01, P02, P03, and P04 were advanced in the area of the former fuel pump, former heating oil UST, and suspect gasoline UST on the southeastern portion of the Property and adjacent to west side of the Frihet property.
- Borings P05 and P06 were advanced to the north of the 2428 and 2412 Northwest Market Street buildings.
- Borings P07 and P08 were advanced in the area of fuel/oil storage and former boat and vehicle maintenance and repair, located to the west of the 2412 Northwest Market Street building
- Borings/wells B101/MW101 and B102/MW102 and boring P09 were advanced on the northeastern portion of the Property.
- Boring/well B103/MW103 was advanced on the southern portion of the Property downgradient from the former boat and vehicle maintenance and repair facility.
- Borings B104 and B105 were changed at the client's request from direct push to hollow stem auger borings to assist the geotechnical engineering evaluation of the site to be completed by others.

4.2.2.1 GPR Survey

On March 14, 2011, SoundEarth personnel observed a limited GPR and electromagnetic survey conducted by UDS. The southern portion of the 2412 Northwest Market Street building and adjacent sidewalk and the suspect UST location to the west of the 2426 Northwest Market Street building were explored using GPR in an effort to locate any possible USTs or other anomalies, such as product or vent lines. The GPR survey completed within and adjacent to the southern portion of the 2412 Northwest Market Street building and adjacent sidewalk identified subsurface signatures that may be representative of a possible product line and small UST, both of which are located immediately to the north of the former heating fuel location and remedial excavation limit. The limited survey completed adjacent to the suspect UST location and vent pipe along the western side of the 2426 Northwest Market Street building showed a location of

possible fill soils, but did not exhibit signatures suggesting the presence of a UST or product lines.

4.2.2.2 Subsurface Investigation

As described above, five hollow stem auger borings and nine direct push probe borings were advanced within the Property boundaries as part of the Phase II ESA (Figure 2). The hollow-stem auger borings were advanced to depths ranging from 30.5 to 38 feet below ground surface (bgs). The direct push probe borings were advanced to depths ranging from 8 to 15 feet bgs. Relatively undisturbed soil samples were collected from each of the borings throughout the depths explored. Sample recovery percentages were logged at each sample interval.

The soil samples were described in accordance with the Unified Soil Classification System (USCS) and were screened in the field for potential evidence of contamination (color, odor, or sheen) and by conducting headspace analysis using a photoionization detector (PID) to detect the presence of volatile organic vapors. Headspace analysis was conducted by placing soil from each sample interval into a plastic bag and allowing the sample to warm to ambient temperature for a minimum of 30 seconds. The probe of the PID was then inserted into the bag, and the highest reading obtained over an approximately 30-second interval was recorded. The USCS symbol, field evidence of contamination, and PID readings were recorded on boring log forms, which are provided in Appendix A.

Soil samples collected from the borings were transferred directly into laboratory-prepared sample containers, and up to three soil samples from each boring were selected for laboratory analysis. Selected samples were collected in accordance with U.S. Environmental Protection Agency (EPA) Method 5035A for sampling and analysis of low-level volatile organic compounds. Soil samples were also collected using 4-ounce jars for analysis of dry weight. The sample containers were labeled with a unique sample number and placed in an iced cooler. The soil samples were submitted to Friedman & Bruya, Inc., of Seattle, Washington, under standard chain-of-custody procedures for laboratory analysis. Selected soil samples were submitted for laboratory analysis of hydrocarbon identification by Northwest Total Petroleum Hydrocarbon (NWTPH) Method NWTPH-HCID; DRPH and ORPH by NWTPH-Dx; total lead and arsenic by EPA Method 200.8; and/or VOCs by EPA Method 8260C.

4.2.2.3 Monitoring Well Installation

Borings B101, B102, and B103 were completed as 2-inch-diameter groundwater monitoring wells, designated MW101, MW102, and MW103, respectively. The monitoring wells were constructed with a screened section consisting of 2-inch inside diameter (I.D.) schedule 40 PVC with 0.010-inch slots. The screened section was installed with a select sand pack material. The upper non-screened portion of the wells were completed with 2-inch I.D. schedule 40 PVC. The upper portion of the well was sealed with hydrated bentonite and concrete, and completed at the surface with a steel flush-mounted monument. Details of well construction are shown on the respective boring/monitoring well logs in Appendix A.

After completion, each well was developed by surging and purging to establish a better connection with the surrounding aquifer. Approximately 10 to 15 well volumes of water were pumped from each well during this process.

4.2.2.4 Wellhead Survey

Groundwater depths were measured for eight on-Property and off-Property wells (MW101 through MW103, MW-J1, MW-J3, MW-J4, MW-3, and MW-13) from the north side of each well casing. Each well was opened and allowed to equilibrate for at least 30 minutes prior to measuring groundwater depth. The north side of each well casing was surveyed relative to an arbitrary datum 100.00 feet using differential optical technique to a margin of error of 0.02 foot.

4.2.2.5 Groundwater Sampling

Prior to sampling, each well was purged using a low-flow peristaltic pump with a low pumping rate that was adjusted upward slowly to minimize drawdown (with a target drawdown of less than 0.33 foot) during purging. Purging continued until at least three casing volumes of water had been removed and specific conductance and temperature were stabilized or until the well went dry.

Field parameters, including temperature, pH, electrical conductivity, and dissolved oxygen, were measured and recorded periodically during purging of the well. Once the field parameters remained stable between measurements (i.e., specific conductivity ± 10 percent, pH ± 0.1 pH units, temperature ± 0.1 degrees Celsius), the groundwater sample will be collected. Purge data were recorded on a groundwater sample collection form, including purge volume; time of commencement, and termination of purging; any observations regarding color, turbidity, or other factors that may have been important in evaluation of sample quality; and field measurements of pH, specific conductance, temperature, dissolved oxygen, and turbidity.

Following the stabilization of field parameters, the groundwater samples were collected in laboratory-supplied sample containers directly from the pump discharge line at the same low rate used for purging. Sample data were recorded on groundwater sample collection forms and included the sample number and time collected; the observed physical characteristics of the sample (e.g., color, turbidity); and the field parameters discussed above.

The groundwater samples were submitted to Friedman & Bruya, Inc., under standard chain-of-custody procedures for laboratory analysis. Groundwater samples were submitted for laboratory analysis of GRPH by Northwest Method NWTPH-Gx, DRPH and ORPH by Northwest Method MWTPH-Dx, and VOCs by EPA Method 8260C.

All non-dedicated field sampling equipment was cleaned and decontaminated between uses and prior to leaving the Property. Soil cuttings, purge water, and decontamination wash water were stored on the Property in labeled 55-gallon drums pending waste profiling and proper disposal.

4.3 RESULTS OF THE PHASE II ESA

The following sections summarize the results of the field activities conducted at the Property on March 14, 15, 17, 18, and 30, 2011. The analytical results for the soil samples are presented in Table 1 and depicted on Figure 3, and the groundwater analytical data are presented in Table 2 and depicted on Figure 5. Laboratory analytical reports for the soil and groundwater samples collected during the supplemental subsurface investigation are included as Appendix B.

4.3.1 Soil Analytical Results

Soil samples from the hollow stem auger borings B101 through B105 and direct push auger borings P01 through P09 were selected for analysis based on field indications of contamination

(including visual and olfactory notations and PID readings) and/or the location of the sample proximate to the soil-groundwater interface. The analytical results are summarized as follows:

- Soil samples collected during this investigation did not contain detectable concentrations of GRPH and VOCs.
- Soil samples collected during this investigation did not contain significant concentrations of total lead and arsenic.
- Soil sample B01-2.5 exhibited a DRPH concentration of 590 milligrams per kilogram (mg/kg) and an ORPH concentration of 1,600 mg/kg. This sample was collected from near surficial fill soils underlying the parking lot on the northeast portion of the Property.
- Soil sample P04-8 exhibited a DRPH concentration of 50 mg/kg and an ORPH concentration of 410 mg/kg. This sample was collected off the Property from within the sidewalk in the area of the previously removed and remediated heating oil UST excavation.
- Soil sample P09-2.5 initially exhibited a detectable concentration of ORPH by NWTPH-HCID, but did not exhibit a detectable concentration using NWTPH-D extended method.
- None of the other samples submitted for analyses exhibited detectable concentrations of DRPH and ORPH.

4.3.2 Groundwater Results

Depth to groundwater at the time of drilling was generally observed at approximately 15 to 30 feet across the Property. Measured groundwater depths prior to sampling ranged from 10.50 feet (MW-3) to 16.93 feet (MW-J3) below the top of well casings, with an inferred migration direction generally toward the south (Figure 4). This groundwater migration direction is similar to that estimated by Golder for the bordering Frihet property (Golder 2010). Groundwater samples collected from wells MW101, MW102, MW103, MW-J1, MW-J3, MW-J4, and MW-13 were submitted for analytical testing. The analytical results for the seven samples are summarized as follows:

- Groundwater samples collected from wells MW101, MW102, MW103, MW-J1, and MW-J3 did not contain concentrations of GRPH, DRPH, ORPH, and VOCs above laboratory detection limits.
- The groundwater sample collected from off-Property well MW-13 contained benzene concentrations of 1.2 micrograms per liter ($\mu\text{g/L}$), which is below the MTCA Method A cleanup level of 5 $\mu\text{g/L}$ for this compound. This sample did not contain concentrations of other VOCs, GRPH, DRPH, and ORPH above laboratory detection limits. (Table 2).
- The groundwater sample collected from MW-J4 contained a benzene concentration of 78 $\mu\text{g/L}$, which is in excess of the MTCA Method A cleanup level of 5 $\mu\text{g/L}$. This sample also exhibited a detectable concentration of GRPH (170 $\mu\text{g/L}$), which is below the MTCA Method A cleanup level of 800 $\mu\text{g/L}$ for site GRPH at sites with detectable benzene. This sample did not contain

concentrations of other VOCs, DRPH, and ORPH above laboratory detection limits. (Table 2).

4.4 CONCLUSIONS OF THE PHASE II ESA

In an effort to evaluate the environmental quality of soil and groundwater beneath the Property as a result of the RECs identified in the course of the Phase I ESA and listed in Section 3.0, 14 soil borings were advanced and 3 groundwater monitoring wells were installed on the Property near identified RECs on March 14, 15, 17, 18, and 30, 2011, as part of the scope of the Phase II ESA. The following is a summary of the findings of the current study coupled with the results of a previous Phase II ESA completed on the Property by Golder (2011):

- A limited GPR survey revealed the possible presence of a small UST under the sidewalk adjacent to the south side of the 2412 Northwest Market Street building (Figure 2). The survey did not reveal signatures of any anomalies within the southern portion of the 2412 Northwest Market Street building.
- One shallow soil sample collected from an on-Property boring exhibited detectable concentrations of DRPH and ORPH that were below respective MTCA Method A cleanup levels. Other selected on-Property soil samples did not exhibit concentrations of GRPH, DRPH, ORPH, BTEX, VOCs in excess of laboratory detection limits. Additionally, selected on-property soil samples did not exhibit concentrations of total lead and arsenic in excess of MTCA Method A cleanup levels. Previous work completed by Golder revealed low level concentrations of ORPH in near-surface soils at various locations across the Property and low level concentrations of solvents in near-surface soils under the eastern portion of the 2412 Northwest Market Street building. A soil sample collected from the 8-foot depth from boring P04, completed in the remedial excavation for a former heating oil tank in the sidewalk to the south of the 2412 Northwest Market Street building exhibited detectable concentrations of DRPH and ORPH concentrations that were below MTCA Method A cleanup levels.
- Groundwater samples collected from three new on-Property wells (MW101, MW102, and MW103) and existing on- and off-Property wells MW-J1 and MW-J3 did not exhibit GRPH, DRPH, ORPH, and VOCs above the laboratory reporting limits. The sample collected from well MW-J4, located on the northeastern portion of the property, exhibited a benzene concentration of 78 µg/L, and a GRPH concentration of 170 µg/L, the former of which is in excess of the MTCA Method A cleanup level of 5 µg/L. Previous work by Golder (2011) indicated elevated concentrations of benzene in the water samples collected from this well. Also, off-Property well MW-13 exhibited a benzene concentration of 1.2 µg/L.

Results from the current assessment coupled with the previous data results from the Golder investigation indicate near-surface soils exhibiting low level concentrations of ORPH and, in one case, solvents in several areas of the property. Given that the Property is slated for redevelopment that will include a three-story subgrade parking garage, virtually all of these near-surface soils will be exported from the Property as part of development excavation. Even though these soils exhibit concentrations below MTCA Method A cleanup levels, soils excavated from impacted areas will require disposal at a regulated facility.

Groundwater samples from five of seven on-Property and off-Property monitoring wells did not exhibit concentrations of GRPH, DRPH, ORPH, or VOCs in excess of laboratory detection limits. The groundwater sample collected from off-Property well MW-13 exhibited a detectable concentrations of benzene that was below the MTCA Method A cleanup level. However, monitoring well MW-J4 exhibited a benzene concentration in excess of the MTCA Method A cleanup level. This well had similarly exhibited elevated benzene concentrations from a previous sampling event completed by Golder. Given that no known contaminant sources have been identified on this portion of the Property, it is likely that the detected GRPH and benzene are the result from a confirmed release to the north of the property.

Given the presence of groundwater below the site at depths ranging from about 11 to 17 feet bgs, both temporary construction dewatering and permanent dewatering systems will be required for the development that includes three floors of subgrade parking. The presence of elevated GRPH and benzene associated with past groundwater sampling at the Spirit Service Station and well MW-J4 on the northeast portion of the site present the following considerations for the planned development:

- Temporary and permanent dewatering systems may generate collected effluent with detectable concentrations of GRPH and benzene.
- Without proper design planning, the permanent dewatering system for the development may alter local near-surface groundwater flow and draw contaminants into the effluent stream from the identified off-Property sources located to the southeast and north of the subject Property.

The presence of benzene in the on-Property groundwater, as well as in soils on the Spirit Service Station property, raises concern for potential vapor intrusion. However, the planned development will include two levels of ventilated underground parking, which will effectively mitigate these concerns. However, if development plans change significantly, vapor intrusion may be a concern, and additional assessment and mitigation work may be warranted.

5.0 CLOSURE

Our conclusions are based on results of field explorations on limited portions of the Property and on our interpretation of analytical results. Therefore, contaminants may be present at concentrations in excess of their respective MTCA Method A cleanup levels on unexplored portions of the Property. If conditions are encountered that appear different from those described in this report, we should be notified so we may review and verify or modify our recommendations.

6.0 REFERENCES

Golder Associates (Golder). 2010a. *Conceptual Cost Estimate for Excavation of Petroleum-Contaminated Soil, Frihet-Spirit Service Station Property, Seattle, Washington*. December 16.

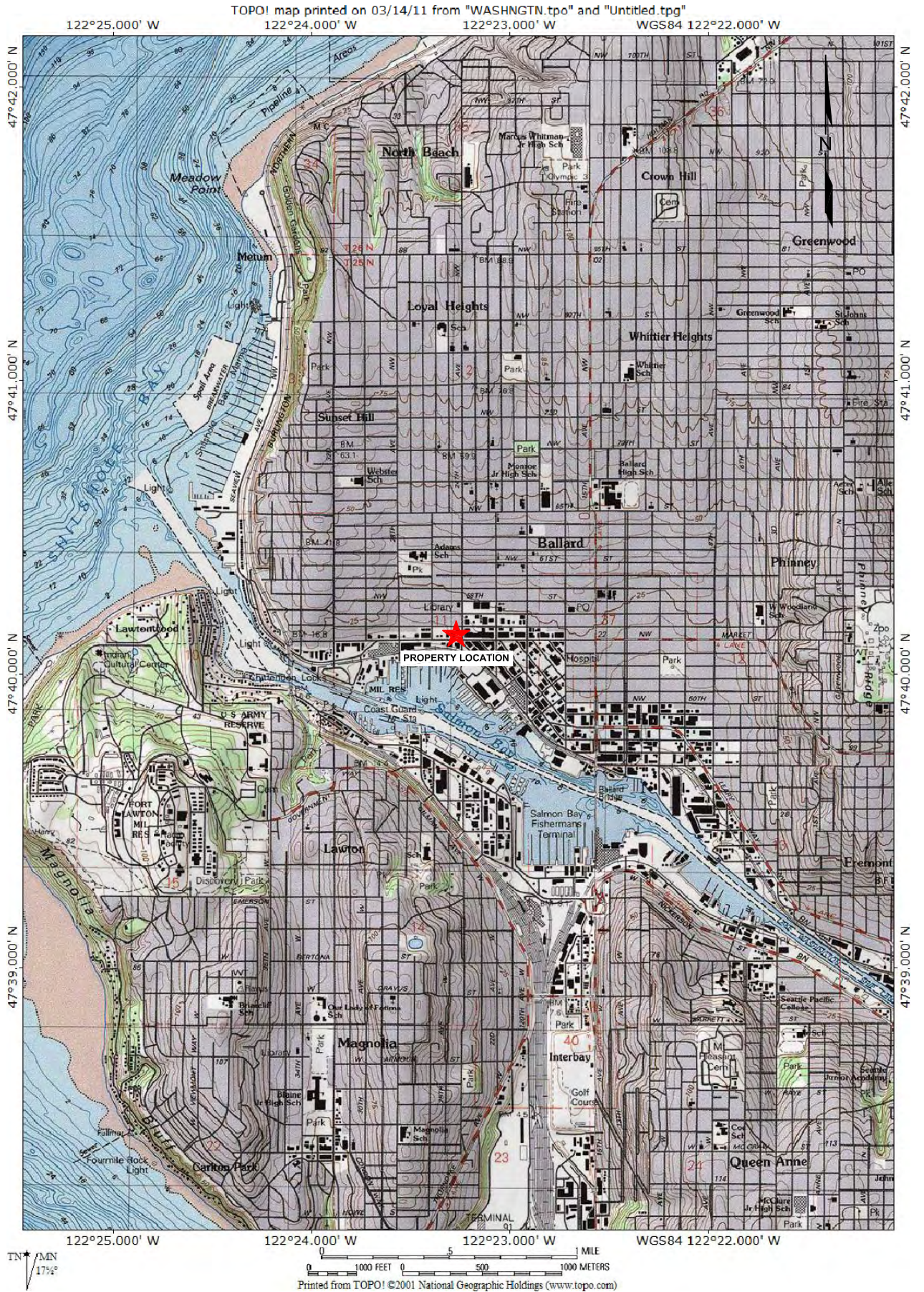
_____. 2010b. *Phase II Environmental Site Assessment of the Frihet Property, 5505 24th Avenue Northwest, Seattle, Washington*. December 17.

_____. 2011a. *Phase I Environmental Site Assessment of the Jacobson Property, 2412, 2428, and 2436 Northwest Market Street, Seattle, Washington*. January 11.

_____. 2011b. *Phase II Environmental Site Assessment of the Jacobson Property, 2412, 2428, and 2436 Northwest Market Street, Seattle, Washington*. January 17.

SoundEarth Strategies, Inc. (SoundEarth). 2011. *Phase I Environmental Site Assessment the Jacobson Property, 2412, 2428, and 2436 Northwest Market Street, Seattle, Washington*. June 23.

FIGURES

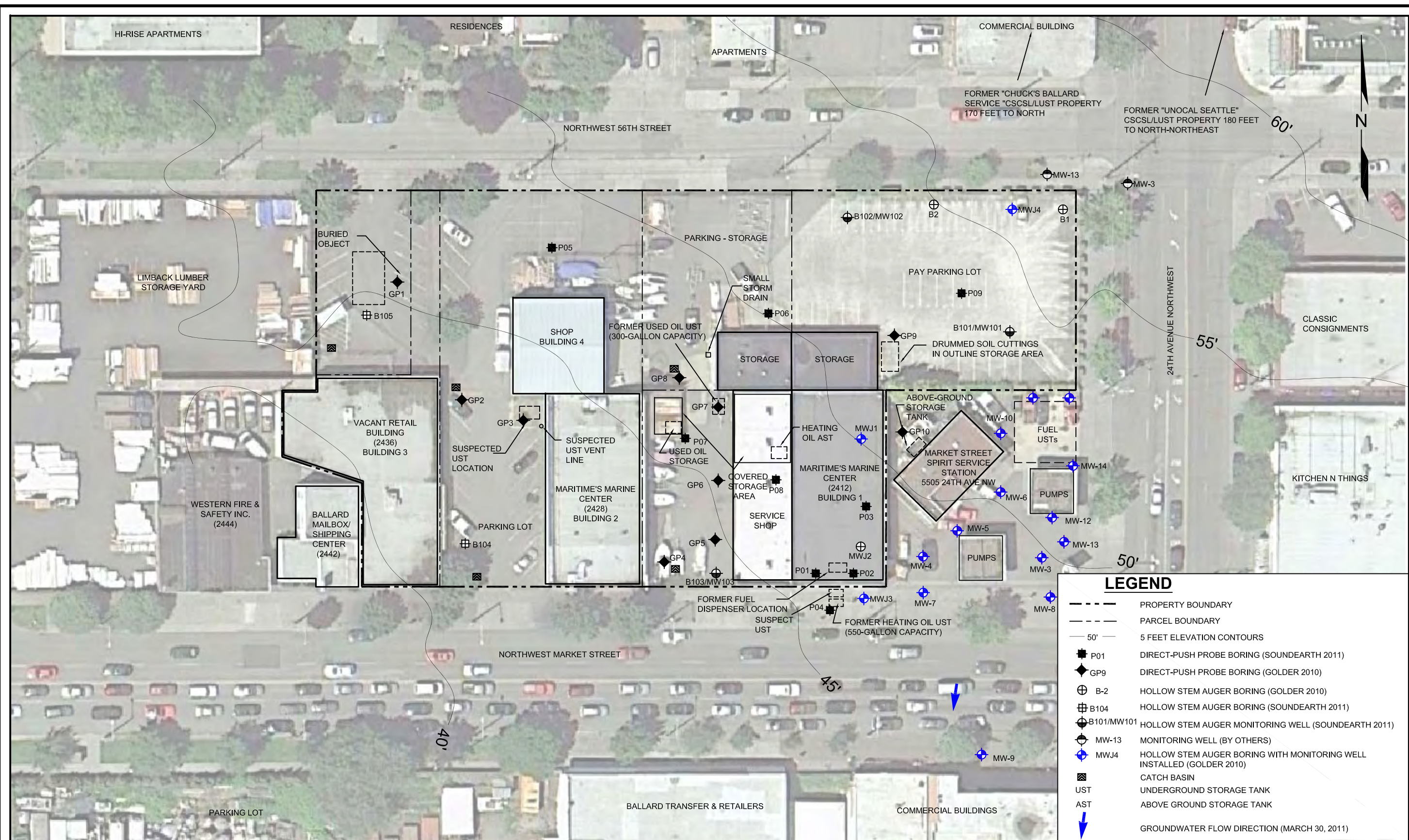


DATE:03/11/2010
 DRAWN BY:JQC
 CHECKED BY:CGC
 CAD FILE:0789-002-01_FIG1

PROJECT NAME:JACOBSEN PROPERTY
 SES PROJECT NUMBER:0789-002-01
 STREET ADDRESS:24TH AVENUE NW & NW MARKET STREET
 CITY, STATE:SEATTLE, WASHINGTON

FIGURE 1
 PROPERTY
 LOCATION MAP

4/4/2011
P:\0789 AMLI RESIDENTIAL\0789-002 AMLI JACOBSON SITE\TECHNICAL\CAD\2011\0789-002-01_EL_BLR\JQC.DWG



LEGEND	
---	PROPERTY BOUNDARY
- - -	PARCEL BOUNDARY
— 50' —	5 FEET ELEVATION CONTOURS
■ P01	DIRECT-PUSH PROBE BORING (SOUNDEARTH 2011)
◆ GP9	DIRECT-PUSH PROBE BORING (GOLDER 2010)
⊕ B-2	HOLLOW STEM AUGER BORING (GOLDER 2010)
⊕ B104	HOLLOW STEM AUGER BORING (SOUNDEARTH 2011)
⊕ B101/MW101	HOLLOW STEM AUGER MONITORING WELL (SOUNDEARTH 2011)
⊕ MW-13	MONITORING WELL (BY OTHERS)
⊕ MWJ4	HOLLOW STEM AUGER BORING WITH MONITORING WELL INSTALLED (GOLDER 2010)
⊠	CATCH BASIN
⊠ UST	UNDERGROUND STORAGE TANK
⊠ AST	ABOVE GROUND STORAGE TANK
➡	GROUNDWATER FLOW DIRECTION (MARCH 30, 2011)



DATE: 03/25/11
DRAWN BY: BLR/JQC
CHECKED BY: CCC/CGC
CAD FILE: 0789-000-01_EL

PROJECT NAME: JACOBSON PROPERTY
PROJECT NUMBER: 0789-002-01
STREET ADDRESS: 24TH AVENUE NW & NW MARKET STREET
CITY, STATE: SEATTLE, WASHINGTON

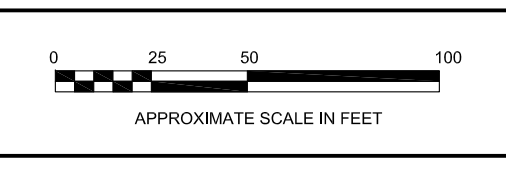
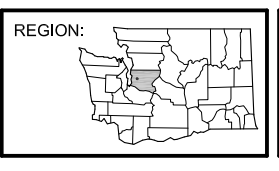
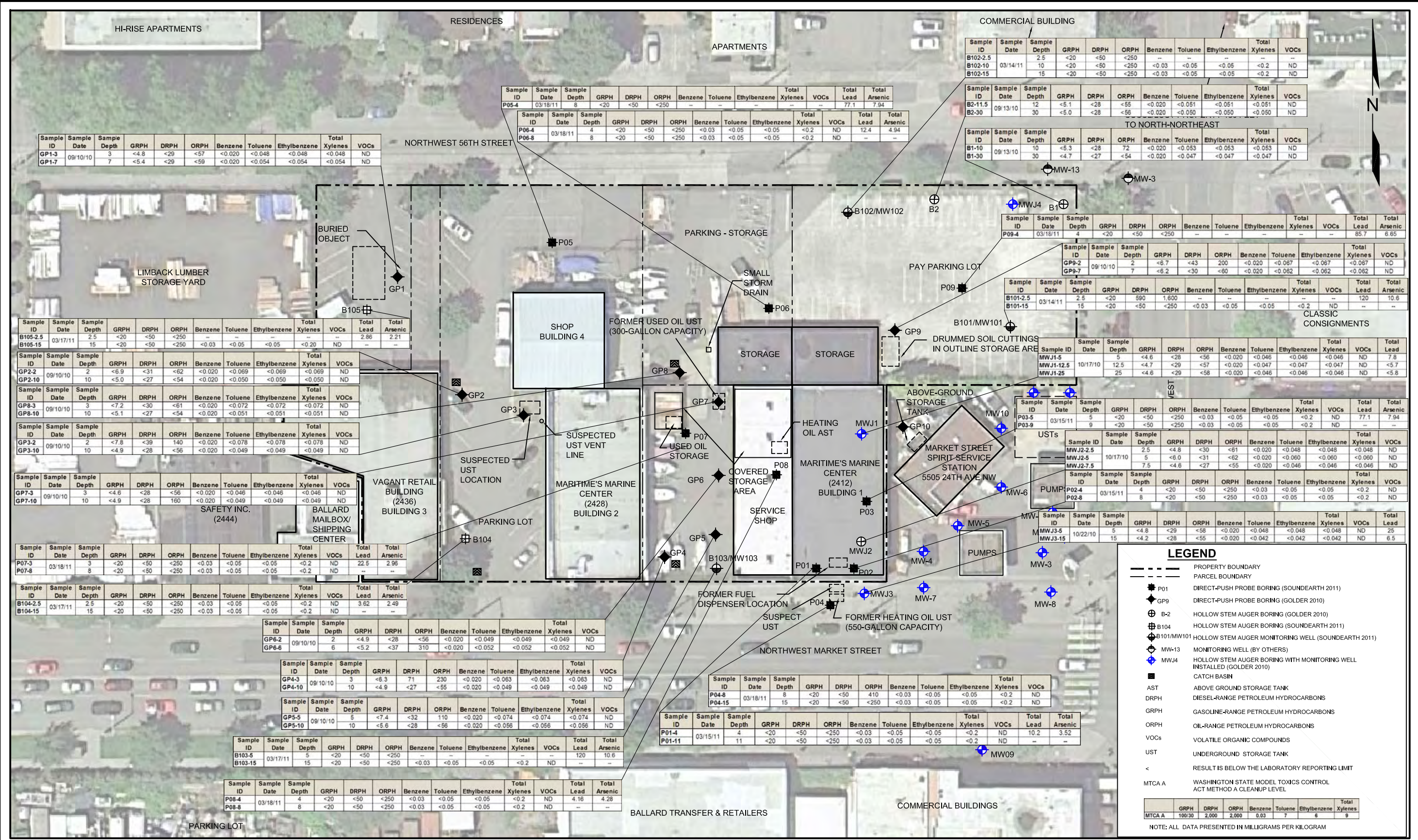


FIGURE 2
SUBSURFACE EXPLORATION PLAN

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4/4/2011
P:\0789-AML I RESIDENTIAL\0789-002-AML JACOBSON SITE\TECHNICAL\CAD\2011Q1\0789-002-01_2011Q1_SD.JQC.DWG



DATE: 03/25/11
 DRAWN BY: JQC
 CHECKED BY: CCC/CGC
 CAD FILE: 0789-000-01_2011Q1_SD

PROJECT NAME: JACOBSON PROPERTY
 PROJECT NUMBER: 0789-002-01
 STREET ADDRESS: 24TH AVENUE NW & NW MARKET STREET
 CITY, STATE: SEATTLE, WASHINGTON

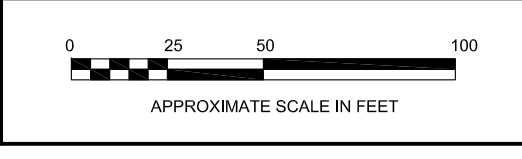
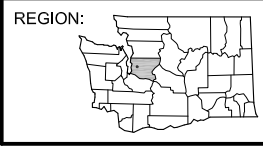
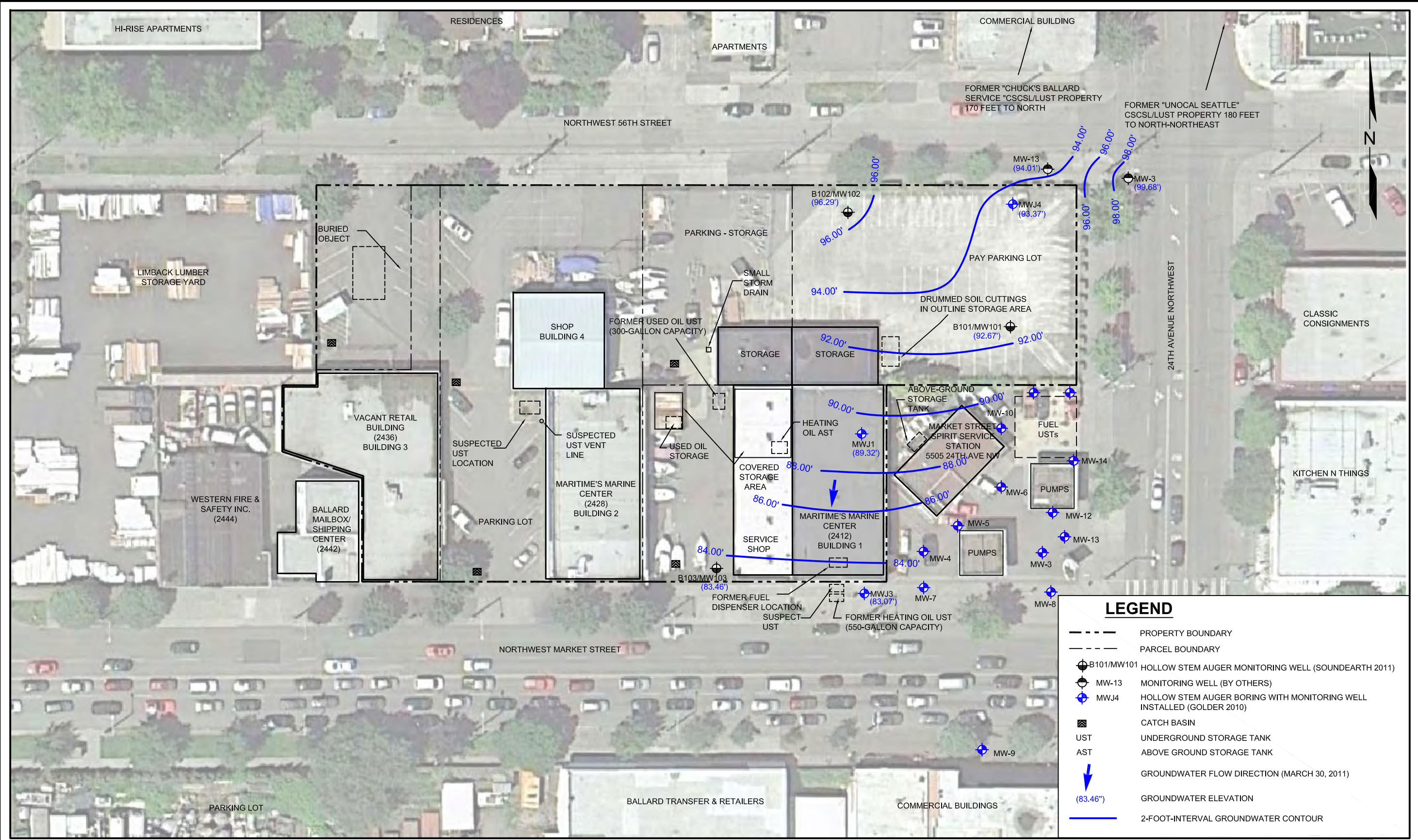


FIGURE 3
SOIL ANALYTICAL RESULTS

SOUNDEARTHINC.COM



LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	B101/MW101 HOLLOW STEM AUGER MONITORING WELL (SOUNDEARTH 2011)
	MW-13 MONITORING WELL (BY OTHERS)
	MWJ4 HOLLOW STEM AUGER BORING WITH MONITORING WELL INSTALLED (GOLDER 2010)
	CATCH BASIN
	UST UNDERGROUND STORAGE TANK
	AST ABOVE GROUND STORAGE TANK
	GROUNDWATER FLOW DIRECTION (MARCH 30, 2011)
	GROUNDWATER ELEVATION (83.46")
	2-FOOT-INTERVAL GROUNDWATER CONTOUR



DATE: 03/25/11
 DRAWN BY: JQC
 CHECKED BY: CCC/CGC
 CAD FILE: 0789-000-01_2011Q1_CM

PROJECT NAME: JACOBSON PROPERTY
 PROJECT NUMBER: 0789-002-01
 STREET ADDRESS: 24TH AVENUE NW & NW MARKET STREET
 CITY, STATE: SEATTLE, WASHINGTON

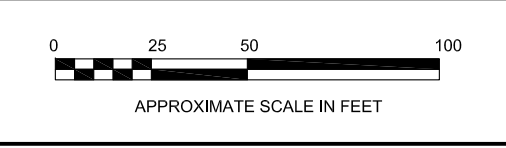
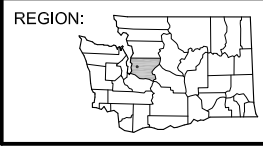
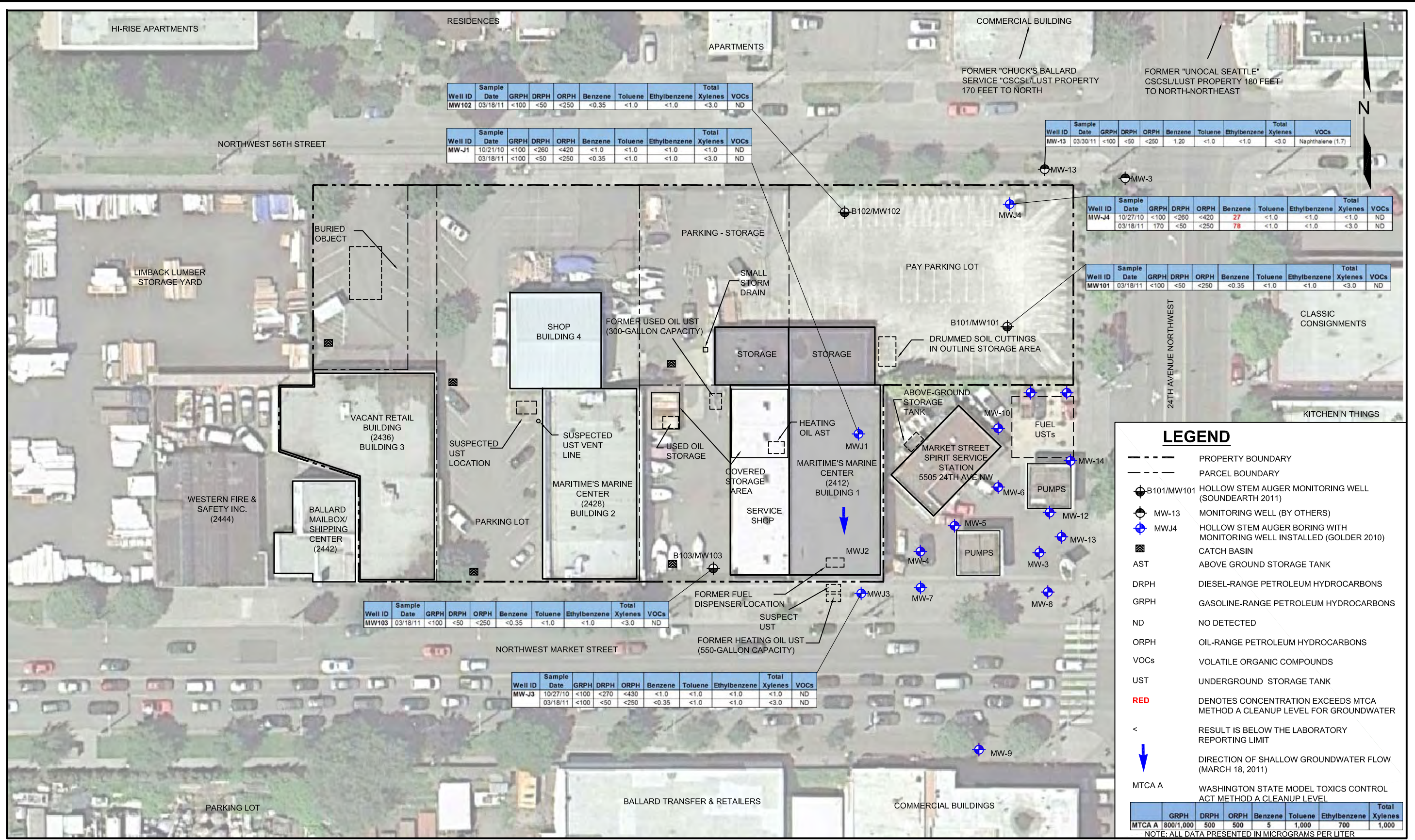


FIGURE 4
 GROUNDWATER CONTOUR MAP
 (MARCH 30, 2011)

4/4/2011
 P:10789 AMLI RESIDENTIAL 10789-002 AMLI JACOBSON SITE TECHNICAL CAD 2011Q1 10789-002-01 2011Q1_GD.JOC.DWG



LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- B101/MW101 HOLLOW STEM AUGER MONITORING WELL (SOUNDEARTH 2011)
- MW-13 MONITORING WELL (BY OTHERS)
- MWJ4 HOLLOW STEM AUGER BORING WITH MONITORING WELL INSTALLED (GOLDER 2010)
- CATCH BASIN
- AST ABOVE GROUND STORAGE TANK
- DRPH DIESEL-RANGE PETROLEUM HYDROCARBONS
- GRPH GASOLINE-RANGE PETROLEUM HYDROCARBONS
- ND NO DETECTED
- ORPH OIL-RANGE PETROLEUM HYDROCARBONS
- VOCs VOLATILE ORGANIC COMPOUNDS
- UST UNDERGROUND STORAGE TANK
- RED DENOTES CONCENTRATION EXCEEDS MTCA METHOD A CLEANUP LEVEL FOR GROUNDWATER
- < RESULT IS BELOW THE LABORATORY REPORTING LIMIT
- ↓ DIRECTION OF SHALLOW GROUNDWATER FLOW (MARCH 18, 2011)
- MTCA A WASHINGTON STATE MODEL TOXICS CONTROL ACT METHOD A CLEANUP LEVEL

	GRPH	DRPH	ORPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
MTCA A	800/1,000	500	500	5	1,000	700	1,000

NOTE: ALL DATA PRESENTED IN MICROGRAMS PER LITER



DATE: 03/25/11
 DRAWN BY: JQC
 CHECKED BY: CCC/CGC
 CAD FILE: 0789-002-01_2011Q1_GD

PROJECT NAME: JACOBSON PROPERTY
 PROJECT NUMBER: 0789-002-01
 STREET ADDRESS: 24TH AVENUE NW & NW MARKET STREET
 CITY, STATE: SEATTLE, WASHINGTON

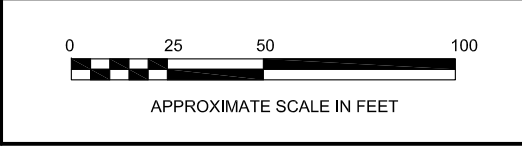
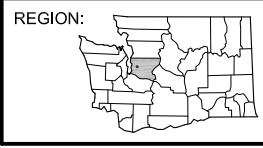


FIGURE 5
 GROUNDWATER ANALYTICAL RESULTS

SOUNDEARTHINC.COM

TABLES



Table 1
Summary of Soil Analytical Results for Petroleum Hydrocarbons, VOCs and Metals
Jacobson Property
Seattle, Washington

Sample Location	Sample ID	Sample Date	Sampled By	Sample Depth (feet bgs)	Analytical Results (mg/kg)													
					GRPH ¹	DRPH ²	ORPH ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³	Napthalene ⁴	MTBE ⁴	EDB ⁴	EDC ⁴	PCE ⁴	Lead ⁵	Arsenic ⁶
GP1	GP1-3	09/10/10	Golder	3	<4.8	<29	<57	<0.020	<0.048	<0.048	<0.048	--	--	<0.0012	<0.0012	<0.0012	--	--
	GP1-7			7	<5.4	<29	<59	<0.020	<0.054	<0.054	<0.054	--	--	<0.0012	<0.0012	<0.0012	--	--
GP2	GP2-2	09/10/10	Golder	2	<6.9	<31	<62	<0.020	<0.069	<0.069	<0.069	--	--	<0.0011	<0.0011	<0.0011	--	--
	GP2-10			10	<5.0	<27	<54	<0.020	<0.050	<0.050	<0.050	--	--	<0.00083	<0.00083	<0.00083	--	--
GP3	GP3-2	09/10/10	Golder	2	<7.8	<39	140	<0.020	<0.078	<0.078	<0.078	--	--	<0.00081	<0.00081	<0.00081	--	--
	GP3-10			10	<4.9	<28	<56	<0.020	<0.049	<0.049	<0.049	--	--	<0.0010	<0.0010	<0.0010	--	--
GP4	GP4-3	09/10/10	Golder	3	<6.3	71	230	<0.020	<0.063	<0.063	<0.063	--	--	<0.00097	<0.00097	<0.00097	--	--
	GP4-10			10	<4.9	<27	<55	<0.020	<0.049	<0.049	<0.049	--	--	<0.00090	<0.00090	<0.00090	--	--
GP5	GP5-5	09/10/10	Golder	5	<7.4	<32	110	<0.020	<0.074	<0.074	<0.074	--	--	<0.0011	<0.0011	<0.0011	--	--
	GP5-10			10	<5.6	<28	<56	<0.020	<0.056	<0.056	<0.056	--	--	<0.00084	<0.00084	<0.00084	--	--
GP6	GP6-2	09/10/10	Golder	2	<4.9	<28	<56	<0.020	<0.049	<0.049	<0.049	--	--	<0.00081	<0.00081	<0.00081	--	--
	GP6-6			6	<5.2	<37	310	<0.020	<0.052	<0.052	<0.052	--	--	<0.0013	<0.0013	<0.0013	--	--
GP7	GP7-3	09/10/10	Golder	3	<4.6	<28	<56	<0.020	<0.046	<0.046	<0.046	--	--	<0.00086	<0.00086	<0.00086	--	--
	GP7-10			10	<4.9	<28	160	<0.020	<0.049	<0.049	<0.049	--	--	<0.00094	<0.00094	<0.00094	--	--
GP8	GP8-3	09/10/10	Golder	3	<7.2	<30	<61	<0.020	<0.072	<0.072	<0.072	--	--	<0.0011	<0.0011	0.0025	--	--
	GP8-10			10	<5.1	<27	<54	<0.020	<0.051	<0.051	<0.051	--	--	<0.0011	<0.0011	<0.0011	--	--
GP9	GP9-2	09/10/10	Golder	2	<6.7	<43	200	<0.020	<0.067	<0.067	<0.067	--	--	<0.00096	<0.00096	<0.00096	--	--
	GP9-7			7	<6.2	<30	<60	<0.020	<0.062	<0.062	<0.062	--	--	<0.0011	<0.0011	<0.0011	--	--
B1	B1-10	09/13/10	Golder	10	<5.3	<28	72	<0.020	<0.053	<0.053	<0.053	--	--	<0.0010	<0.0010	<0.0010	--	--
	B1-30			30	<4.7	<27	<54	<0.020	<0.047	<0.047	<0.047	--	--	<0.00086	<0.00086	<0.00086	--	--
B2	B2-11.5	09/13/10	Golder	11.5	<5.1	<28	<55	<0.020	<0.051	<0.051	<0.051	--	--	<0.00077	<0.00077	<0.00077	--	--
	B2-30			30	<5.0	<28	<56	<0.020	<0.050	<0.050	<0.050	--	--	<0.00082	<0.00082	<0.00082	--	--
MWJ1	MWJ1-5	10/17/10	Golder	5	<4.6	<28	<56	<0.020	<0.046	<0.046	<0.046	--	<0.046	<0.00081	<0.00081	<0.00081	7.8	--
	MWJ1-12.5			12.5	<4.7	<29	<57	<0.020	<0.047	<0.047	<0.047	--	<0.047	<0.00087	<0.00087	<0.00087	<5.7	--
	MWJ1-25			25	<4.6	<29	<58	<0.020	<0.046	<0.046	<0.046	--	<0.046	<0.00079	<0.00079	<0.00079	<5.8	--
MWJ2	MWJ2-2.5	10/17/10	Golder	2.5	<4.8	<30	<61	<0.020	<0.048	<0.048	<0.048	--	<0.048	<0.00078	<0.00078	0.0074	25	--
	MWJ2-5			5	<6.0	<31	<62	<0.020	<0.060	<0.060	<0.060	--	<0.060	<0.00095	<0.00095	0.0018	6.5	--
	MWJ2-7.5			7.5	<4.6	<27	<55	<0.020	<0.046	<0.046	<0.046	--	<0.046	<0.00078	<0.00078	<0.00078	<5.5	--
MWJ3	MWJ3-5	10/22/10	Golder	5	<4.8	<29	<58	<0.020	<0.048	<0.048	<0.048	--	<0.048	<0.00081	<0.00081	<0.00081	<5.8	--
	MWJ3-15			15	<4.2	<28	<55	<0.020	<0.042	<0.042	<0.042	--	<0.042	<0.00077	<0.00077	<0.00077	<5.5	--
MTCA Method A Cleanup Level for Soil⁷					100/30⁹	2,000	2,000	0.03	7	6	9	5	0.1	0.005	NE	0.05	250	20



Table 1
Summary of Soil Analytical Results for Petroleum Hydrocarbons, VOCs and Metals
Jacobson Property
Seattle, Washington

Sample Location	Sample ID	Sample Date	Sampled By	Sample Depth (feet bgs)	Analytical Results (mg/kg)													
					GRPH ¹	DRPH ²	ORPH ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³	Napthalene ⁴	MTBE ⁴	EDB ⁴	EDC ⁴	PCE ⁴	Lead ⁵	Arsenic ⁶
B101	B101-2½	03/14/11	SoundEarth	2.5	<20	590 ^{b,x}	1600 ^b	--	--	--	--	--	--	--	--	--	120	10.6
	B101-15			15	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.025	--
B102	B102-2½	03/14/11	SoundEarth	2.5	<20	<50	<250	--	--	--	--	--	--	--	--	--	--	--
	B102-10			10	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
B103	B103-5	03/17/11	SoundEarth	5	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	66.3	4.01
	B103-15			15	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
B104	B104-02.5	03/17/11	SoundEarth	2.5	<20	<50	<250	--	--	--	--	--	--	--	--	--	3.62	2.49
	B104-15			15	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
B105	B105-02.5	03/17/11	SoundEarth	2.5	<20	<50	<250	--	--	--	--	--	--	--	--	--	2.86	2.21
	B105-15			15	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
P01	P01-4	03/15/11	SoundEarth	4	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	10.2	3.52
	P01-11			11	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
P02	P02-4	03/15/11	SoundEarth	4	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
	P02-8			8	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
P03	P03-5	03/15/11	SoundEarth	5	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	77.1	7.94
	P03-9			9	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
P04	P04-8	03/18/11	SoundEarth	8	<20	<50 ^b	410 ^b	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
	P04-15			15	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
P05	P05-4	03/18/11	SoundEarth	4	<20	<50	<250	--	--	--	--	--	--	--	--	--	3.77	2.80
P06	P06-4	03/18/11	SoundEarth	4	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	12.4	4.94
	P06-8			8	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
P07	P07-3	03/18/11	SoundEarth	3	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	22.5	2.96
	P07-8			8	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
P08	P08-4	03/18/11	SoundEarth	4	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	4.16	4.28
	P08-8			8	<20	<50	<250	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.025	--	--
P09	P09-4	03/18/11	SoundEarth	4	<20	<50	<250	--	--	--	--	--	--	--	--	--	85.7	6.65
MTCA Method A Cleanup Level for Soil⁷					100/30^a	2,000	2,000	0.03	7	6	9	5	0.1	0.005	NE	0.05	250	20

NOTES:

Red denotes concentration exceeds MTCA Method A cleanup level.

Samples collected in 2010 analyzed by Onsite Environmental Inc., of Redmond, Washington. Subsequent samples analyzed by Friedman and Bruya Inc., of Seattle, Washington.

^a 100 mg/kg when benzene is not present and 30 mg/kg when benzene is present.

¹ Samples collected in 2010 analyzed by Method NWTPH-Gx. Subsequent samples analyzed by Method NWTPH-HCID.

² Samples collected in 2010 analyzed by Method NWTPH-Dx. Subsequent samples analyzed by Method NWTPH-HCID.

³ Analyzed by EPA Method 8021B or 8260C.

⁴ Analyzed by EPA Method 8260B or 8260C.

⁵ Analyzed by EPA Method 6010B or 200.8.

⁶ Analyzed by EPA Method 200.8.

⁷ MTCA Method A Cleanup Levels, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

^b Reanalyzed by Method NWTPH-Dx.

-- = not analyzed

< = not detected at a concentration exceeding the laboratory reporting limit

bgs = below ground surface

^x The sample chromatographic pattern does not resemble the fuel standard used for quantitation

DRPH = diesel-range petroleum hydrocarbons

EDB = 1,2 dibromoethane

EDC = 1,2 dichloroethane

EPA = U.S Environmental Protection Agency

Golder = Golder Associates Inc., of Redmond, Washington

GRPH = gasoline-range petroleum hydrocarbons

HVOCs = halogenated volatile organic compounds

mg/kg = milligrams per kilogram

MTBE = methyl tertiary-butyl ether

MTCA = Washington State Model Toxics Control Act

NWTPH = Northwest Total Petroleum Hydrocarbon

ORPH = oil-range petroleum hydrocarbons

PCE = tetrachloroethene

SoundEarth = SoundEarth Strategies Inc., of Seattle, Washington

NE = not established

VOC = Volatile organic compounds by EPA Method 8260C



Table 2
Summary of Groundwater Data for Petroleum Hydrocarbons and VOCs
Jacobson Property
24th Avenue NW and NW Market Street
Seattle, Washington

Well ID	Date	Depth to Groundwater ¹ (feet)	Groundwater Elevation ² (feet)	Analytical Results (µg/L)													
				GRPH ³	DRPH ⁴	ORPH ⁴	Benzene ⁵	Toluene ⁵	Ethylbenzene ⁵	Total Xylenes ⁵	Napthalene ⁶	MTBE ⁶	EDB ⁶	EDC ⁶	PCE ⁶	Dissolved Lead ⁷	
MW-J1 TOC: 100.49 feet	10/21/10	12.45	88.04	<100	<260	<420	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	03/18/11	10.22	90.27	<100	<50	<250	<0.35	<1	<1	<1	<3	<1	<1	<1	<1	<1	--
	03/30/11	11.17	89.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-J3 TOC: 100.00 feet	10/27/10	17.21	82.79	<100	<270	<430	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<1.0
	03/18/11	16.64	83.36	<100	<50	<250	<0.35	<1	<1	<1	<3	<1	<1	<1	<1	<1	--
	03/30/11	16.93	83.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-J4 TOC: 109.12 feet	10/27/10	17.35	91.77	<100	<260	<420	27	<1.0	<1.0	<1.0	<1.0	--	<10	<0.20	<0.20	<0.20	<1.0
	03/18/11	15.50	93.62	170	<50	<250	78	<1	<1	<1	<3	<1	<1	<1	<1	<1	--
	03/30/11	15.75	93.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW101 TOC: 107.26 feet	03/18/11	14.15	93.11	<100	<50	<250	<0.35	<1	<1	<1	<3	<1	<1	<1	<1	<1	--
	03/30/11	14.59	92.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW102 TOC: 106.93 feet	03/18/11	10.73	96.53	<100	<50	<250	<0.35	<1	<1	<1	<3	<1	<1	<1	<1	<1	--
	03/30/11	10.97	96.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW103 TOC: 98.43 feet	03/18/11	14.62	83.81	<100	<50	<250	<0.35	<1	<1	<1	<3	<1	<1	<1	<1	<1	--
	03/30/11	14.97	83.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3 TOC: 110.27 feet	03/30/11	10.50	99.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13 TOC: 110.18 feet	03/30/11	16.17	94.01	<100	<50	<250	1.2	<1	<1	<1	<3	1.7	<1	<1	<1	<1	--
MTCA Method A Cleanup Level for Groundwater⁸				800/1,000⁹	500	500	5	1,000	700	1,000	160	20	0.01	5	5	15	

NOTES:

Red denotes concentration in excess of MTCA Method A Cleanup Level for Groundwater.

Samples analyzed by Friedman & Bruya, Inc. of Seattle, Washington.

¹As measured in feet below a fixed spot on the well casing rim.

²Measured relative to a temporary benchmark with an assumed elevation of 100.00 feet.

³Analyzed by Method NWTPH-Gx.

⁴Analyzed by Method NWTPH-Dx.

⁵Analyzed by EPA Method 8021B or 8260C.

⁶Analyzed by EPA Method 8260C.

⁷Analyzed by EPA Method 200.8.

⁸MTCA Method A Cleanup Levels, Table 720-1, Section 900, Chapter 173-340 of the Washington Administrative Code, revised November 2007.

⁹800 µg/L when benzene is detected and 1,000 µg/L when benzene is not detected.

-- = not sampled/not analyzed

< = not detected at a concentration exceeding the laboratory reporting limit

µg/L = micrograms per liter

DRPH = diesel-range petroleum hydrocarbons

EDB = 1,2 dibromoethane

EDC = 1,2 dichloroethane

EPA = U.S. Environmental Protection Agency

GRPH = gasoline-range petroleum hydrocarbons

HVOCs = halogenated volatile organic compounds

MTBE = methyl tertiary-butyl ether

MTCA = Washington State Model Toxics Control Act

ND = no analytes detected above their respective laboratory reporting limits

NWTPH = Northwest Total Petroleum Hydrocarbon

ORPH = oil-range petroleum hydrocarbons

PCE = tetrachloroethene

TOC = top of casing elevation

VOCs = Volatile organic compounds by EPA Method 8260C

APPENDIX A
Boring Logs



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/18/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/18/2011

BORING LOG | P09

Site Address: 24th Ave NW & Market St
Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0			80	0.0	P09-4	Fill (SM)		3" asphalt at surface. Moist, loose, silty fine to medium SAND, with some gravel and gravel-rich zones, some wood fragments (20-65-15), brown with gray and black, no hydrocarbon odor (FILL).	
5			90	0.0		Fill (SM)		Similar to previous, no hydrocarbon odor (FILL).	
				0.0	P09-6.5	SM		Damp, medium dense, silty fine SAND, with some gravel (15-75-10), medium gray, no hydrocarbon odor.	
10			95	0.0		SM		Similar to previous, no hydrocarbon odor.	

Boring terminated at 11' bgs.

Drilling Co./Driller: ESN/John
Drilling Equipment: Push-Probe Rig
Sampler Type: Probe
Hammer Type/Weight: lbs
Total Boring Depth: 11 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/18/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/18/2011

BORING LOG | P08

Site Address: 24th Ave NW & Market St
Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0			75	0.0	P08-4	Fill (SM)		3" asphalt at surface. Moist, loose, silty fine to medium SAND, with some gravel and gravel-rich zones, some wood fragments (20-65-15), brown with gray and black, no hydrocarbon odor, no sheen (FILL).	
5				0.7		Fill (SM)		Similar to previous, no hydrocarbon odor.	
			85	0.0	P08-8	SM		Damp, medium dense, silty fine SAND, with some gravel (15-75-10), medium gray, no hydrocarbon odor.	
10			95	0.0	P08-11	SM		Similar to previous, no hydrocarbon odor.	

Boring terminated at 11' bgs.

Drilling Co./Driller: ESN/John Drilling Equipment: Push-Probe Rig Sampler Type: Probe Hammer Type/Weight: lbs Total Boring Depth: 11 feet bgs Total Well Depth: feet bgs State Well ID No.:	Well/Auger Diameter: inches Well Screened Interval: feet bgs Screen Slot Size: inches Filter Pack Used: Surface Seal: Annular Seal: Monument Type:	Notes/Comments: <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto;"> Page: 1 of 1 </div>
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Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/18/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/18/2011

BORING LOG | P07

Site Address: 24th Ave NW & Market St
Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0			85	0.0	P07-3	Fill (SM)		3" of asphalt at surface. Damp to wet, loose, silty fine to medium SAND, with some gravel and gravel-rich zones, some wood fragments (20-70-10), brown and black, no hydrocarbon odor (FILL).	
			95	0.0	P07-8	SM		Damp, medium dense, silty fine SAND, with trace to some gravel (15-75-10), medium gray, no hydrocarbon odor.	
5						SM		Similar to previous, no hydrocarbon odor.	
10			85	0.0		SM		Similar to previous, no hydrocarbon odor.	

Boring terminated at 11' bgs.

Drilling Co./Driller: ESN/John
Drilling Equipment: Push-Probe Rig
Sampler Type: Probe
Hammer Type/Weight: lbs
Total Boring Depth: 11 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/18/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/18/2011

BORING LOG | P06

Site Address: 24th Ave NW & Market St
Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0			35	0.0	P06-4	Fill		4" concrete at surface. Moist to damp, loose, silty fine to medium SAND, with some gravel and wood fragments (15-75-10), gray with brown and black, no hydrocarbon odor (FILL).	
						Fill		Similar to previous (FILL).	
5			95	0.0	P06-8	SM		Moist, dense, silty fine SAND, with some gravel (15-75-10), medium gray, no hydrocarbon odor.	
						SM		Similar to previous, no hydrocarbon odor.	
10			85	0.3	P06-11				

Boring terminated at 11' bgs.

Drilling Co./Driller: ESN/John Drilling Equipment: Push-Probe Rig Sampler Type: Probe Hammer Type/Weight: lbs Total Boring Depth: 11 feet bgs Total Well Depth: feet bgs State Well ID No.:	Well/Auger Diameter: inches Well Screened Interval: feet bgs Screen Slot Size: inches Filter Pack Used: Surface Seal: Annular Seal: Monument Type:	Notes/Comments: <div style="border: 1px solid black; padding: 5px; width: fit-content; float: right;"> Page: 1 of 1 </div>
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Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/18/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/18/2011

BORING LOG | P04

Site Address: 24th Ave NW & Market St
 Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Fill (SP-SM)		4" concrete at surface.	
			55			Fill (SP-SM)		Moist, medium dense, gravelly fine to medium SAND, with some silt, minor brick fragments (8-62-30), brown with gray, no hydrocarbon odor (FILL).	
5			85			Fill (SP-SM)		Similar to previous, some coarse SAND, no hydrocarbon odor, no sheen (FILL).	
				0.0	P04-8	Fill (SP-SM)		Similar to previous, no hydrocarbon odor, no sheen (FILL).	
10			85			Fill (SP-SM)		Similar to previous, no hydrocarbon odor (FILL).	
				0.0	P04-12	Fill (SP-SM)		Similar to previous, no hydrocarbon odor (FILL).	
			80			SM		Moist, medium dense, silty fine SAND, with some gravel (15-65-10), gray, no hydrocarbon odor, no sheen.	
15				0.0	P04-15				

Drilling Co./Driller: ESN/John
Drilling Equipment: Push-Probe Rig
Sampler Type: Probe
Hammer Type/Weight: lbs
Total Boring Depth: 15 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/18/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/18/2011

BORING LOG | P04

Site Address: 24th Ave NW & Market St
Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
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15	Boring terminated at 15' bgs.								
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Drilling Co./Driller: ESN/John
Drilling Equipment: Push-Probe Rig
Sampler Type: Probe
Hammer Type/Weight: lbs
Total Boring Depth: 15 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/15/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/15/2011

BORING LOG | P03

Site Address: 24th Ave. NW & Market Street
Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: N/A feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0			70	2.1	P03-2	Fill (SM)		4" concrete at surface.	
			35	2.3	P03-5	Fill (SM)		Moist, loose, silty fine SAND with some gravel, with sand-rich and silt-rich zones (20-70-10), brown, no hydrocarbon odor (FILL).	
			55	2.1	P03-7	SM		Similar to previous, brown with black zone from 4-5' bgs, no hydrocarbon odor (FILL).	
			75	2.2	P03-9	SM		Moist, medium dense, silty fine SAND (30-65-5), brown with oxidation, no hydrocarbon odor.	
			100	0.9		SM		Moist, very dense, silty fine SAND with trace gravel (15-75-10), gray, no hydrocarbon odor.	

Boring refused at 10' bgs and backfilled with bentonite chips.

Drilling Co./Driller: ESN/John
Drilling Equipment: LAR Probe
Sampler Type: Split-spoon
Hammer Type/Weight: lbs
Total Boring Depth: 10 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/15/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/15/2011

BORING LOG | P02

Site Address: 24th Ave. NW & Market Street
Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: N/A feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Fill (ML-SM)		5" concrete at surface.	
			60	0.6	P02-4	Fill (ML-SM)		Moist, loose to medium dense, silty fine SAND to sandy SILT, with wood fragments and trace gravel (40-50-10 to 50-40-10), light to dark brown with black, no hydrocarbon odor (FILL).	
5			<5			Fill (ML-SM)		Trace recovery, similar to previous.	
			70	1.7	P02-8	SM		Moist, dense, silty fine SAND (15-80-5). Medium brown, no hydrocarbon odor.	

Boring refused at 8' bgs and backfilled with bentonite chips.

Drilling Co./Driller: ESN/John
Drilling Equipment: LAR Probe
Sampler Type: Probe
Hammer Type/Weight: lbs
Total Boring Depth: 8 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/15/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/15/2011

BORING LOG | P01

Site Address: 24th Ave. NW & Market Street
Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: N/A feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Fill (SM)		5" concrete at surface.	
			30	2.7	P01-4	Fill (SM)		Moist, loose to medium dense, silty SAND with broken gravel (20-75-5), varigated light to dark brown, no hydrocarbon odor (FILL).	
5			30	1.5	P01-8	Fill (SM)		Moist, loose, silty fine SAND with wood fragments and trace brick (20-75-5), light to dark brown, no hydrocarbon odor (FILL).	
10			90	22	P01-11	SM		Moist to damp, dense, silty SAND with some gravel (15-75-10), oxidized brown with local gray zone from 10.3-10.7' bgs, no hydrocarbon odor.	

Boring refused at 11' bgs and backfilled with bentonite chips.

Drilling Co./Driller: ESN/John
Drilling Equipment: LAR Probe
Sampler Type: Probe
Hammer Type/Weight: lbs
Total Boring Depth: 11 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | B105

Site Address: 24th Ave. NW & Market Street
Seattle, Washington

Water Depth At Time of Drilling: 15 feet bgs
 Water Depth After Completion: 27 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								4" asphalt at surface.	
8-14	8-14	20	90	4.0	B105-02.5	Fill (SM)		Moist, silty SAND with fine gravel and organic material, dark brown, no hydrocarbon odor (FILL).	
5-9	9-19	41	100	2.5	B105-05	SM		Moist, dense, silty fine SAND, with some medium sand (30-70-0), light tan with dark orange/red stains/streaks, no hydrocarbon odor.	
5-9	19-41					SM		Damp (moist in upper 3"), dense, silty fine SAND, trace fine to medium gravel, 1/2" thick well-sorted medium sand interbed/stringer at 6' bgs (25-70-5), light brown, no hydrocarbon odor.	
24-35	24-35	16	50	2.8		SM		Damp, similar to previous, no hydrocarbon odor (25-70-5).	
10-12	12-15	11	66	3.4	B105-10	SM		Moist, medium dense, similar to previous, with two coarser, sandier 1/2" thick stringers, tan/light brown, no hydrocarbon odor (25-70-5).	
16-16.5	16-50/2		100	3.2		SM		Damp, very dense, similar to previous, no hydrocarbon odor (25-70-5).	
15									

Drilling Co./Driller: Boretac/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: N/A / 3 1/4 inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | B105

Site Address: 24th Ave. NW & Market Street
Seattle, Washington

Water Depth At Time of Drilling: 15 feet bgs
 Water Depth After Completion: 27 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		40 50/4	100	2.9	B105-15	SM		Moist to wet, very dense, silty fine to medium SAND, with fine sub-rounded gravel (25-65-10), brown, no hydrocarbon odor.	
20		21 32 31	90	1.5		SM		Damp to moist, similar to previous, gray, no hydrocarbon odor (25-65-10).	
25		35 50/5	75	3.0		SM		Damp with moist slough, similar to previous, no hydrocarbon odor (25-65-10).	
30									

Drilling Co./Driller: Boretec/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: N/A / 3 1/4 inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:

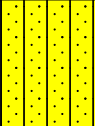


Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | B105

Site Address: 24th Ave. NW & Market Street
Seattle, Washington

Water Depth At Time of Drilling: 15 feet bgs
 Water Depth After Completion: 27 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		24 29 44	66	4.2		SM		Damp to moist, very dense, water in top of sampler, similar to previous, no hydrocarbon odor (25-65-10).	

Boring terminated at 31.5' bgs, backfilled with bentonite chips, and capped with asphalt.

Drilling Co./Driller: Boretec/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31.5 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: N/A / 3 1/4 inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | B104

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: 12.5 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								3" asphalt at surface.	
5	5 4 3		40	0.8	B104-02.5	Fill (SM)		Damp, loose, silty fine SAND, with fine subangular to subrounded gravel and rootlets (20-65-15), brown with black and red staining, no hydrocarbon odor (FILL).	
5	4 11 21		95	1.3	B104-5	SM		Damp to moist, medium dense, silty fine SAND, with some medium sand and fine to coarse gravel (20-70-10), light brown with oxidation bands/streaks, no hydrocarbon odor.	
10	15 41 50/5		66	1.8		SM		Damp, very dense, similar to previous, no hydrocarbon odor (20-70-10).	
10	16 50/5		100	0.7	B104-10	SM		Similar to previous, no hydrocarbon odor (20-70-10).	
15	11 9 16		70	2.4		SM		Moist to wet, similar to previous, dark brown, no hydrocarbon odor (20-70-10).	

Drilling Co./Driller: Boretec/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: N/A / 3 1/4 inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | B104

Site Address: 24th Ave. NW & Market Street
Seattle, Washington

Water Depth At Time of Drilling: 12.5 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		31 50/5	100	0.5	B104-15	SM		Damp, very dense, silty fine SAND, some medium sand and fine to medium gravel (20-75-5), light brown with some orange, no hydrocarbon odor.	
20		20 33 50/3	100	0.3		SM		Damp to moist, similar to previous, brown, no hydrocarbon odor (20-75-5).	
25		15 29 50/5	85	2.2		SM		Similar to previous, no hydrocarbon odor (20-75-5).	
30									

Drilling Co./Driller: Borettec/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: N/A / 3 1/4 inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:




Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | B104

Site Address: 24th Ave. NW & Market Street
Seattle, Washington

Water Depth At Time of Drilling: 12.5 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		18 50/6	100	2.3		SM		Moist, similar to previous, dark gray, no hydrocarbon odor (20-75-5).	

Boring terminated at 31' bgs, backfilled with bentonite chips, and capped with asphalt.

Drilling Co./Driller: Boretec/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31 feet bgs
Total Well Depth: feet bgs
State Well ID No.:

Well/Auger Diameter: N/A / 3 1/4 inches
Well Screened Interval: feet bgs
Screen Slot Size: inches
Filter Pack Used:
Surface Seal:
Annular Seal:
Monument Type:

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | **B103**
 MW103

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 14.62 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								4" asphalt at surface.	
	4 4 4		35	0.6	B103-02.5	Fill (SM)		Damp, loose, silty fine to medium SAND, with fine to medium gravel (FILL), dark brown with black staining, no hydrocarbon odor.	
5	5 7 5		90	1.3	B103-5	Fill (SM)		Similar to previous, medium dense, with organic material (wood and roots), no hydrocarbon odor (FILL).	
	2 5 9		66	5.3		SM		Moist, medium dense, silty fine SAND, with some medium sand and trace fine gravel (20-75-5), light brown with dark brown/red mottling, no hydrocarbon odor.	
10	19 19 13		66	2.3	B103-10	SM		Damp, dense, similar to previous, no hydrocarbon odor (20-60-20).	
	5 13 40		66	5.1		SM		Wet from 13-13.5' bgs, damp from 13.5 to 14.5' bgs, very dense, similar to previous with more silt, no hydrocarbon odor (35-60-5).	
15									

Drilling Co./Driller: Boretec/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BBB 984

Well/Auger Diameter: 2/4 1/4 inches
Well Screened Interval: 9.8 to 29.8 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | **B103**
 MW103

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 14.62 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		13 44 50/6	85	1.6	B103-15	SM		Moist, very dense, silty fine to medium SAND, trace fine to medium gravel, light brown, no hydrocarbon odor.	
20		18 50/6	100	2.3		SM		Damp to moist, similar to previous, no hydrocarbon odor (25-70-5).	
25		31 50/5	100	0.6		SM		Moist, similar to previous, no hydrocarbon odor.	
30									

Drilling Co./Driller: Borettec/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BBB 984

Well/Auger Diameter: 2/4 1/4 inches
Well Screened Interval: 9.8 to 29.8 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:


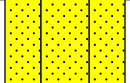


Project: Jacobson Property
Project Number: 0789-002
Logged by: D. Mendel
Date Started: 3/17/2011
Surface Conditions: Asphalt
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/17/2011

BORING LOG | **B103**
 MW103

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 14.62 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		45 50/6	100			SM		Damp to moist, very dense, similar to previous, no hydrocarbon odor.	

Boring terminated at 31' bgs and completed as monitoring well MW103 as shown in well construction detail.

Drilling Co./Driller: Boretac/Bob
Drilling Equipment: HSA
Sampler Type: Split-Spoon
Hammer Type/Weight: 140 lbs
Total Boring Depth: 31 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.: BBB 984

Well/Auger Diameter: 2/4 1/4 inches
Well Screened Interval: 9.8 to 29.8 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/14/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/14/2011

BORING LOG | **B102**
 MW102

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: 10.5 feet bgs
 Water Depth After Completion: 10.73 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								3" concrete at surface.	
								Damp, medium dense, gravelly SAND (structural fill) over silty gravelly SAND (FILL), no hydrocarbon odor.	
	5 6		60	5.4	B102-2.5	FILL (SM)			
	7					SM-ML		Moist, stiff, SILT with some fine sand and roots (90-10-0), buff-tan, no hydrocarbon odor.	
5	7 7 13		90	5.0	B102-5	SM-ML		Moist, medium dense/stiff, silty fine SAND to sandy SILT, with some gravel (40-45-15), tan with oxidation, no hydrocarbon odor.	
	14 16 19		100	5.3		SM		Moist, medium dense, silty gravelly fine to medium SAND (20-60-20), brown with oxidation, no hydrocarbon odor.	
10	9 50/6		140	5.2	B102-10	SM		Damp, very dense, silty fine SAND with trace to some gravel (15-75-10), tan-gray, no hydrocarbon odor.	
15									

Drilling Co./Driller: Cascade/D. Gose
Drilling Equipment: HSA
Sampler Type: D&M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 30.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.:

Well/Auger Diameter: 2 inches
Well Screened Interval: 9.8 to 29.8 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/14/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/14/2011

BORING LOG | **B102**
 MW102

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: 10.5 feet bgs
Water Depth After Completion: 10.73 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/6	200	3.9	B102-15	SM		Wet, similar to previous, no hydrocarbon odor.	
20		50/6	200	5.6		SM		Moist, similar to previous, no hydrocarbon odor.	
25		50/6	200	6.2	B102-25	SP-SM		Wet, similar to previous, sandier, no hydrocarbon odor (8-87-5).	
30									

Drilling Co./Driller: Cascade/D. Gose
Drilling Equipment: HSA
Sampler Type: D&M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 30.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.:

Well/Auger Diameter: 2 inches
Well Screened Interval: 9.8 to 29.8 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:





Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/14/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/14/2011

BORING LOG | **B102**
 MW102

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: 10.5 feet bgs
Water Depth After Completion: 10.73 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		50/6	200	5.4		SM		Similar to previous, no hydrocarbon odor.	

Boring terminated at 30.5' bgs and completed as monitoring well MW102 as shown in well construction detail.

Drilling Co./Driller: Cascade/D. Gose
Drilling Equipment: HSA
Sampler Type: D&M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 30.5 feet bgs
Total Well Depth: 30 feet bgs
State Well ID No.:

Well/Auger Diameter: 2 inches
Well Screened Interval: 9.8 to 29.8 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/14/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/14/2011

BORING LOG | **B101**
 MW101

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: 18 feet bgs
Water Depth After Completion: 14.15 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0								3" concrete at surface.	
7.8-9	7-8-9	15		1.6	B101-2.5	Fill (SM)		Moist, loose, silty fine SAND, with some gravel (25-65-10), gray-black, no hydrocarbon odor (FILL).	
5.14-18.6	14-18-6	90		2.3	B101-5	Fill			
20.21-24	20-21-24	100		2.4		SM		Moist, loose to medium dense, silty fine SAND with trace gravel (15-80-5), medium gray, no hydrocarbon odor.	
25.26-30	25-26-30	100		2.4		SM		Dense, similar to previous, no hydrocarbon odor.	
10.50-6	50/6	120		2.9	B101-10	SM		Moist, very dense, similar to previous with less silt, no hydrocarbon odor (10-85-5).	
13.50-6	50/6	95		2.7		SM		Similar to previous (10-80-10), no hydrocarbon odor.	
15									

Drilling Co./Driller: Cascade/D. Gose
Drilling Equipment: HSA
Sampler Type: D&M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 38 feet bgs
Total Well Depth: 35 feet bgs
State Well ID No.:

Well/Auger Diameter: 2 inches
Well Screened Interval: 15 to 35 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:



Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/14/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/14/2011

BORING LOG | **B101**
 MW101

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: 18 feet bgs
 Water Depth After Completion: 14.15 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		50/6	110	1.8	B101-15	SM		Similar to previous, ranging to "gravelly", brown with gray, no hydrocarbon odor.	
		50/6	100	0.9		SM SP ML		Moist, cemented, similar to previous, no hydrocarbon odor (15-70-15). 17.7-17.9: Wet, fine to coarse SAND, brown. 17.9-18: Damp, SILT, brown, no hydrocarbon odor.	
		50/6	110	2.0		SM		Moist, very dense, silty fine SAND with some gravel (15-75-10), gray with minor brown, no hydrocarbon odor.	
		50/6	100			SM		Similar to previous, no hydrocarbon odor (10-70-20).	

Drilling Co./Driller: Cascade/D. Gose
Drilling Equipment: HSA
Sampler Type: D&M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 38 feet bgs
Total Well Depth: 35 feet bgs
State Well ID No.:

Well/Auger Diameter: 2 inches
Well Screened Interval: 15 to 35 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:


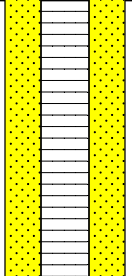

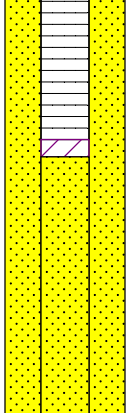


Project: Jacobson Property
Project Number: 0789-002
Logged by: CCC
Date Started: 3/14/2011
Surface Conditions: Concrete
Well Location N/S:
Well Location E/W:
Reviewed by: DRAFT
Date Completed: 3/14/2011

BORING LOG | **B101**
 MW101

Site Address: 24th Ave. NW & Market Street
 Seattle, Washington

Water Depth At Time of Drilling: 18 feet bgs
Water Depth After Completion: 14.15 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30									
	50/6		100	8.5	B101-32.5	SM		Wet, very dense, silty fine SAND, with trace gravel (20-75-5), gray, no hydrocarbon odor.	
35									
	50/6		100	3.2		SM		Moist, similar to previous, no hydrocarbon odor.	

Boring terminated at 38' bgs and completed as monitoring well MW101 as shown in well construction detail.

Drilling Co./Driller: Cascade/D. Gose
Drilling Equipment: HSA
Sampler Type: D&M
Hammer Type/Weight: 300 lbs
Total Boring Depth: 38 feet bgs
Total Well Depth: 35 feet bgs
State Well ID No.:

Well/Auger Diameter: 2 inches
Well Screened Interval: 15 to 35 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Concrete
Annular Seal: Bentonite Chips
Monument Type: Flush Mount

Notes/Comments:

APPENDIX B
Laboratory Analytical Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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e-mail: fbi@isomedia.com

March 25, 2011

Chuck Cacek, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cacek:

Included are the results from the testing of material submitted on March 14, 2011 from the SOU_0798-002-01_20110314, F&BI 103168 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Audrey Hackett
SOU0325R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 14, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0798-002-01_20110314, F&BI 103168 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
103168-01	B101-2 1/2
103168-02	B101-5
103168-03	B101-10
103168-04	B101-15
103168-05	B101-32 1/2
103168-06	B102-2 1/2
103168-07	B102-5
103168-08	B102-10
103168-09	B102-15
103168-10	B102-25

Several compounds in the 8260C laboratory control sample and laboratory control sample duplicate failed the acceptance criteria. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11
Date Received: 03/14/11
Project: SOU_0798-002-01_20110314, F&BI 103168
Date Extracted: 03/17/11 and 03/21/11
Date Analyzed: 03/17/11, 03/18/11, and 03/21/11

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

**THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE
INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT**

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
B101-2 1/2 103168-01	ND	ND	D	82
B101-5 103168-02	ND	ND	ND	110
B101-15 103168-04	ND	ND	ND	95
B102-2 1/2 103168-06	ND	ND	ND	111
B102-10 103168-08	ND	ND	ND	113
B102-15 103168-09	ND	ND	ND	86
Method Blank 01-0451 MB	ND	ND	ND	110
Method Blank 01-0457 MB	ND	ND	ND	89

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11
Date Received: 03/14/11
Project: SOU_0798-002-01_20110314, F&BI 103168
Date Extracted: 03/24/11
Date Analyzed: 03/24/11

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 53-144)
B101-2 1/2 103168-01	590 x	1,600	94
Method Blank 01-519 MB	<50	<250	105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	B101-2 1/2	Client:	SoundEarth Strategies
Date Received:	03/14/11	Project:	SOU_0798-002-01_20110314, F&BI 103168
Date Extracted:	03/21/11	Lab ID:	103168-01
Date Analyzed:	03/24/11	Data File:	103168-01.011
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	91	60	125
Holmium	89	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	10.6
Lead	120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0798-002-01_20110314, F&BI 103168
Date Extracted:	03/21/11	Lab ID:	I1-194 mb
Date Analyzed:	03/24/11	Data File:	I1-194 mb.010
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	92	60	125
Holmium	93	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B101-15	Client: SoundEarth Strategies
Date Received: 03/14/11	Project: SOU_0798-002-01_20110314, F&BI 103168
Date Extracted: 03/16/11	Lab ID: 103168-04
Date Analyzed: 03/18/11	Data File: 031731.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	42	152
Toluene-d8	91	36	149
4-Bromofluorobenzene	91	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5 jl	1,3-Dichloropropane	<0.05
Chloromethane	<0.5 jl	Tetrachloroethene	<0.025
Vinyl chloride	<0.05 jl	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B102-10	Client: SoundEarth Strategies
Date Received: 03/14/11	Project: SOU_0798-002-01_20110314, F&BI 103168
Date Extracted: 03/16/11	Lab ID: 103168-08
Date Analyzed: 03/18/11	Data File: 031732.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	152
Toluene-d8	89	36	149
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5 jl	1,3-Dichloropropane	<0.05
Chloromethane	<0.5 jl	Tetrachloroethene	<0.025
Vinyl chloride	<0.05 jl	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B102-15	Client: SoundEarth Strategies
Date Received: 03/14/11	Project: SOU_0798-002-01_20110314, F&BI 103168
Date Extracted: 03/21/11	Lab ID: 103168-09
Date Analyzed: 03/23/11	Data File: 032239.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	99	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: Method Blank	Client: SoundEarth Strategies
Date Received: NA	Project: SOU_0798-002-01_20110314, F&BI 103168
Date Extracted: 03/16/11	Lab ID: 01-403 mb2
Date Analyzed: 03/17/11	Data File: 031719.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	42	152
Toluene-d8	105	36	149
4-Bromofluorobenzene	107	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5 jl	1,3-Dichloropropane	<0.05
Chloromethane	<0.5 jl	Tetrachloroethene	<0.025
Vinyl chloride	<0.05 jl	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: Method Blank	Client: SoundEarth Strategies
Date Received: NA	Project: SOU_0798-002-01_20110314, F&BI 103168
Date Extracted: 03/21/11	Lab ID: 01-410 mb
Date Analyzed: 03/22/11	Data File: 032220.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/14/11

Project: SOU_0798-002-01_20110314, F&BI 103168

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: 103318-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	125	124	63-146	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	125	79-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/14/11

Project: SOU_0798-002-01_20110314, F&BI 103168

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 103244-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	4.63	105 b	116 b	44-151	10 b
Lead	mg/kg (ppm)	50	46.2	100 b	100 b	65-126	0 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	116	80-120
Lead	mg/kg (ppm)	50	101	81-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/14/11

Project: SOU_0798-002-01_20110314, F&BI 103168

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 103193-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	19	10-171
Chloromethane	mg/kg (ppm)	2.5	<0.5	49	10-162
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	41	10-166
Bromomethane	mg/kg (ppm)	2.5	<0.5	57	10-165
Chloroethane	mg/kg (ppm)	2.5	<0.5	67	10-161
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	62	10-168
Acetone	mg/kg (ppm)	12.5	<0.5	67	20-155
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	69	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	57	21-149
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	67	39-139
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	58	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	62	30-114
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	68	17-150
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	67	36-111
Chloroform	mg/kg (ppm)	2.5	<0.05	68	39-114
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	71	24-153
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	68	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	66	27-119
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	66	26-118
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	72	22-123
Benzene	mg/kg (ppm)	2.5	<0.03	67	33-113
Trichloroethene	mg/kg (ppm)	2.5	<0.03	69	36-113
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	70	40-113
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	74	43-118
Dibromomethane	mg/kg (ppm)	2.5	<0.05	77	43-113
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	73	34-154
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	79	43-117
Toluene	mg/kg (ppm)	2.5	<0.05	70	38-139
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	79	44-140
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	73	38-146
2-Hexanone	mg/kg (ppm)	12.5	<0.5	77	37-150
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	72	47-133
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	69	29-117
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	79	46-116
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	75	44-139
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	70	41-114
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	72	38-120
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	78	43-120
m,p-Xylene	mg/kg (ppm)	5	<0.1	82	37-122
o-Xylene	mg/kg (ppm)	2.5	<0.05	76	39-121
Styrene	mg/kg (ppm)	2.5	<0.05	78	43-121
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	74	38-126
Bromoform	mg/kg (ppm)	2.5	<0.05	82	44-120
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	74	34-127
Bromobenzene	mg/kg (ppm)	2.5	<0.05	72	42-115
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	76	34-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	75	41-113
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	73	45-134
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	74	40-120
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	74	41-119
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	74	37-125
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	73	34-129
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	75	35-127
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	78	35-128
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	72	39-115
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	69	39-114
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	71	43-115
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	76	30-147
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	70	37-121
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	72	29-121
Naphthalene	mg/kg (ppm)	2.5	<0.05	72	12-168
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	67	11-172

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/14/11

Project: SOU_0798-002-01_20110314, F&BI 103168

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	8 vo	39	10-142	132 vo
Chloromethane	mg/kg (ppm)	2.5	19 vo	54	25-121	96 vo
Vinyl chloride	mg/kg (ppm)	2.5	28 vo	59	29-135	71 vo
Bromomethane	mg/kg (ppm)	2.5	41	68	33-123	50 vo
Chloroethane	mg/kg (ppm)	2.5	44	67	10-281	41 vo
Trichlorofluoromethane	mg/kg (ppm)	2.5	51	73	13-151	35 vo
Acetone	mg/kg (ppm)	12.5	73	81	10-151	10
1,1-Dichloroethene	mg/kg (ppm)	2.5	58	76	22-151	27 vo
Methylene chloride	mg/kg (ppm)	2.5	62	69	42-144	11
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	87	93	62-124	7
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	69	80	60-125	15
1,1-Dichloroethane	mg/kg (ppm)	2.5	79	88	66-123	11
2,2-Dichloropropane	mg/kg (ppm)	2.5	89	96	53-134	8
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	93	72-118	3
Chloroform	mg/kg (ppm)	2.5	89	92	71-123	3
2-Butanone (MEK)	mg/kg (ppm)	12.5	91	95	10-150	4
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	85	91	60-124	7
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	92	99	68-128	7
1,1-Dichloropropene	mg/kg (ppm)	2.5	85	91	71-123	7
Carbon tetrachloride	mg/kg (ppm)	2.5	94	99	64-136	5
Benzene	mg/kg (ppm)	2.5	87	91	69-122	4
Trichloroethene	mg/kg (ppm)	2.5	89	92	71-122	3
1,2-Dichloropropane	mg/kg (ppm)	2.5	88	94	71-120	7
Bromodichloromethane	mg/kg (ppm)	2.5	93	99	68-140	6
Dibromomethane	mg/kg (ppm)	2.5	93	100	72-121	7
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	89	94	10-150	5
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	97	99	74-126	2
Toluene	mg/kg (ppm)	2.5	92	93	72-122	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	97	99	70-131	2
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	94	93	70-122	1
2-Hexanone	mg/kg (ppm)	12.5	96	101	10-152	5
1,3-Dichloropropane	mg/kg (ppm)	2.5	93	93	72-121	0
Tetrachloroethene	mg/kg (ppm)	2.5	98	93	69-125	5
Dibromochloromethane	mg/kg (ppm)	2.5	104	102	68-130	2
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	98	98	72-121	0
Chlorobenzene	mg/kg (ppm)	2.5	89	91	69-125	2
Ethylbenzene	mg/kg (ppm)	2.5	91	95	72-130	4
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	101	102	69-133	1
m,p-Xylene	mg/kg (ppm)	5	104	108	72-131	4
o-Xylene	mg/kg (ppm)	2.5	102	101	71-129	1
Styrene	mg/kg (ppm)	2.5	99	97	73-132	2
Isopropylbenzene	mg/kg (ppm)	2.5	97	98	73-134	1
Bromoform	mg/kg (ppm)	2.5	105	103	68-129	2
n-Propylbenzene	mg/kg (ppm)	2.5	95	99	72-136	4
Bromobenzene	mg/kg (ppm)	2.5	99	97	73-125	2
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	98	103	72-132	5
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	93	97	67-116	4
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	90	97	67-123	7
2-Chlorotoluene	mg/kg (ppm)	2.5	95	99	72-130	4
4-Chlorotoluene	mg/kg (ppm)	2.5	94	98	73-129	4
tert-Butylbenzene	mg/kg (ppm)	2.5	98	99	71-130	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	95	97	70-132	2
sec-Butylbenzene	mg/kg (ppm)	2.5	98	101	71-134	3
p-Isopropyltoluene	mg/kg (ppm)	2.5	103	104	71-135	1
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	96	97	70-124	1
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	90	90	68-126	0
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	93	96	71-125	3
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	106	110	63-122	4
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	98	98	69-132	0
Hexachlorobutadiene	mg/kg (ppm)	2.5	102	102	68-121	0
Naphthalene	mg/kg (ppm)	2.5	97	101	60-125	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	99	101	68-121	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/14/11

Project: SOU_0798-002-01_20110314, F&BI 103168

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 103243-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	12	10-171
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	10-162
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	33	10-166
Bromomethane	mg/kg (ppm)	2.5	<0.5	49	10-165
Chloroethane	mg/kg (ppm)	2.5	<0.5	47	10-161
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	50	10-168
Acetone	mg/kg (ppm)	12.5	<0.5	75	20-155
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	55	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	58	21-149
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	69	39-139
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	53	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	58	30-114
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	49	17-150
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	36-111
Chloroform	mg/kg (ppm)	2.5	<0.05	65	39-114
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	77	24-153
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	64	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	59	27-119
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	54	26-118
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	60	22-123
Benzene	mg/kg (ppm)	2.5	<0.03	61	33-113
Trichloroethene	mg/kg (ppm)	2.5	<0.03	60	36-113
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	64	40-113
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	69	43-118
Dibromomethane	mg/kg (ppm)	2.5	<0.05	74	43-113
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	76	34-154
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	67	43-117
Toluene	mg/kg (ppm)	2.5	<0.05	62	38-139
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	69	44-140
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	70	38-146
2-Hexanone	mg/kg (ppm)	12.5	<0.5	79	37-150
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	68	47-133
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	57	29-117
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	76	46-116
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	71	44-139
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	62	41-114
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	61	38-120
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	74	43-120
m,p-Xylene	mg/kg (ppm)	5	<0.1	69	37-122
o-Xylene	mg/kg (ppm)	2.5	<0.05	68	39-121
Styrene	mg/kg (ppm)	2.5	<0.05	70	43-121
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	63	38-126
Bromoform	mg/kg (ppm)	2.5	<0.05	80	44-120
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	60	34-127
Bromobenzene	mg/kg (ppm)	2.5	<0.05	65	42-115
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	64	34-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	72	41-113
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	70	45-134
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	62	40-120
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	61	41-119
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	62	37-125
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	61	34-129
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	63	35-127
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	63	35-128
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	62	39-115
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	59	39-114
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	65	43-115
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	80	30-147
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	63	37-121
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	61	29-121
Naphthalene	mg/kg (ppm)	2.5	<0.05	73	12-168
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	64	11-172

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

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Project: SOU_0798-002-01_20110314, F&BI 103168

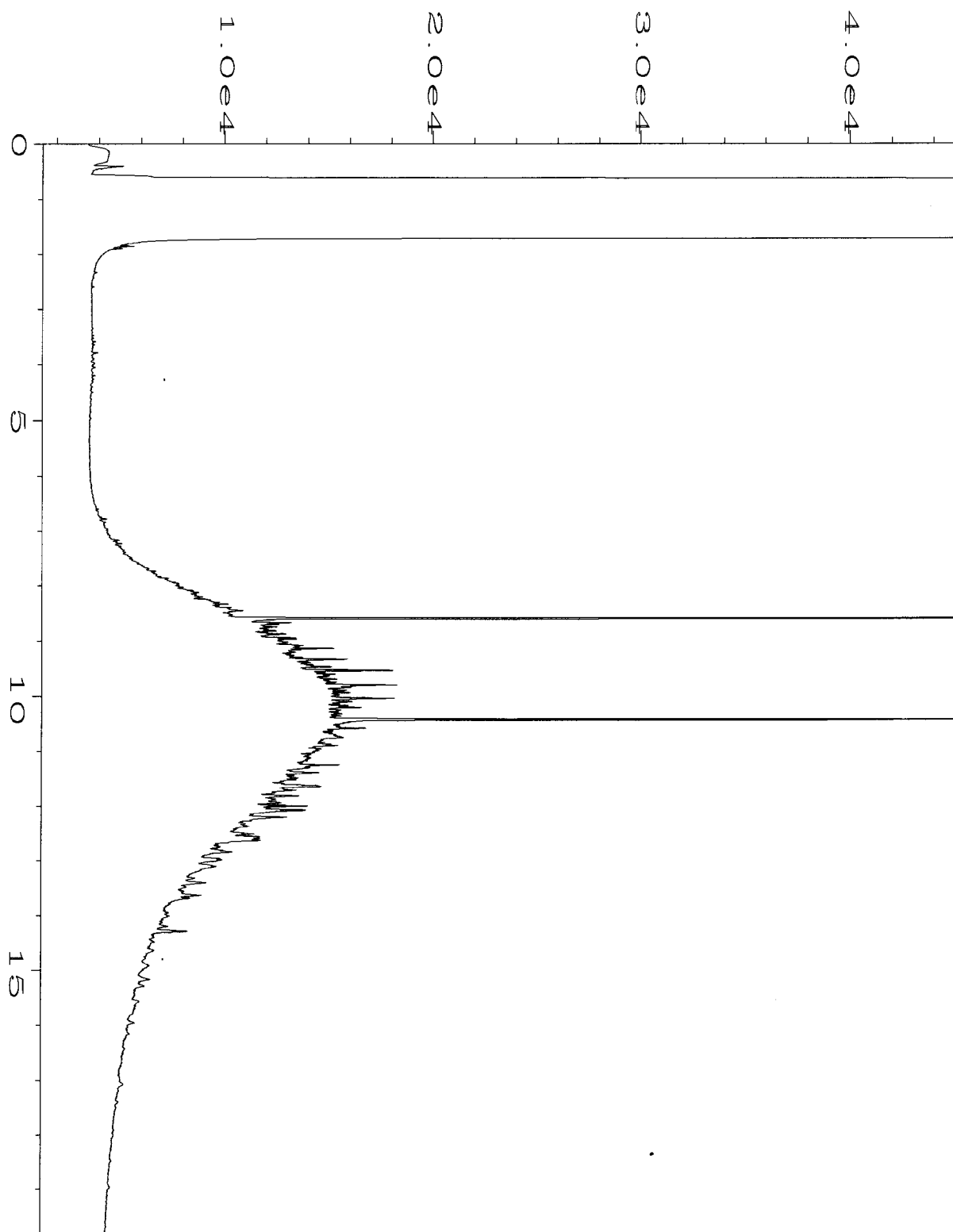
**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	57	54	10-142	5
Chloromethane	mg/kg (ppm)	2.5	80	77	25-121	4
Vinyl chloride	mg/kg (ppm)	2.5	73	74	29-135	1
Bromomethane	mg/kg (ppm)	2.5	79	79	33-123	0
Chloroethane	mg/kg (ppm)	2.5	74	68	10-281	8
Trichlorofluoromethane	mg/kg (ppm)	2.5	98	95	13-151	3
Acetone	mg/kg (ppm)	12.5	95	91	10-151	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	87	86	22-151	1
Methylene chloride	mg/kg (ppm)	2.5	81	80	42-144	1
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	101	104	62-124	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	92	60-125	2
1,1-Dichloroethane	mg/kg (ppm)	2.5	96	97	66-123	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	92	97	53-134	5
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	104	72-118	3
Chloroform	mg/kg (ppm)	2.5	99	103	71-123	4
2-Butanone (MEK)	mg/kg (ppm)	12.5	108	109	10-150	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	98	100	60-124	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	105	68-128	3
1,1-Dichloropropene	mg/kg (ppm)	2.5	98	99	71-123	1
Carbon tetrachloride	mg/kg (ppm)	2.5	100	106	64-136	6
Benzene	mg/kg (ppm)	2.5	99	100	69-122	1
Trichloroethene	mg/kg (ppm)	2.5	101	102	71-122	1
1,2-Dichloropropane	mg/kg (ppm)	2.5	102	101	71-120	1
Bromodichloromethane	mg/kg (ppm)	2.5	110	113	68-140	3
Dibromomethane	mg/kg (ppm)	2.5	109	110	72-121	1
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	106	103	10-150	3
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	104	107	74-126	3
Toluene	mg/kg (ppm)	2.5	98	99	72-122	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	106	70-131	1
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	102	103	70-122	1
2-Hexanone	mg/kg (ppm)	12.5	111	112	10-152	1
1,3-Dichloropropane	mg/kg (ppm)	2.5	98	101	72-121	3
Tetrachloroethene	mg/kg (ppm)	2.5	98	98	69-125	0
Dibromochloromethane	mg/kg (ppm)	2.5	113	116	68-130	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	107	110	72-121	3
Chlorobenzene	mg/kg (ppm)	2.5	97	99	69-125	2
Ethylbenzene	mg/kg (ppm)	2.5	99	101	72-130	2
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	109	110	69-133	1
m,p-Xylene	mg/kg (ppm)	5	114	115	72-131	1
o-Xylene	mg/kg (ppm)	2.5	106	108	71-129	2
Styrene	mg/kg (ppm)	2.5	104	105	73-132	1
Isopropylbenzene	mg/kg (ppm)	2.5	102	103	73-134	1
Bromoform	mg/kg (ppm)	2.5	117	118	68-129	1
n-Propylbenzene	mg/kg (ppm)	2.5	100	100	72-136	0
Bromobenzene	mg/kg (ppm)	2.5	104	105	73-125	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	107	106	72-132	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	104	103	67-116	1
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	102	67-123	2
2-Chlorotoluene	mg/kg (ppm)	2.5	101	101	72-130	0
4-Chlorotoluene	mg/kg (ppm)	2.5	101	101	73-129	0
tert-Butylbenzene	mg/kg (ppm)	2.5	102	103	71-130	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	101	101	70-132	0
sec-Butylbenzene	mg/kg (ppm)	2.5	103	103	71-134	0
p-Isopropyltoluene	mg/kg (ppm)	2.5	107	107	71-135	0
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	102	102	70-124	0
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	95	96	68-126	1
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	103	102	71-125	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	122	122	63-122	0
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	101	100	69-132	1
Hexachlorobutadiene	mg/kg (ppm)	2.5	103	103	68-121	0
Naphthalene	mg/kg (ppm)	2.5	105	105	60-125	0
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	107	108	68-121	1

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 – More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc – The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j – The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\6\DATA\03-24-11\017F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 17
Instrument	: GC #6	Injection Number	: 1
Sample Name	: 103168-01	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 24 Mar 11 05:22 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	25 Mar 11 09:12 AM		

103168

SAMPLE CHAIN OF CUSTODY

ME 03/14/11 A03/VS2

Send Report To Charles Caccz
 Company Sound Earth Strategies, Inc
 Address 2811 Fairview Ave. E, So. 2007
 City, State, ZIP Seattle WA 98102
 Phone # 206-306-1900 Fax #

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. Jacobson Property PO #
0798-002-01
 REMARKS
 GEMS Y / N

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH (week per)
 Rush charges authorized by:
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED										Notes
								HClD NWTPH.Dx	As NWTPH.GR	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Total Lead	Arsenic			
B101-26		2 1/2'	01 <u>E</u>	3-14-11	0845	Soil	5	✓	✓									<u>A - #00 file - per CC 3/16/11</u>
B101-5		5'	02		0851			X										
B101-10		10'	03		0900													
B101-15		15'	04		0910			X			X							
B101-32 1/2		32 1/2'	05		0940													
B102-2 1/2		2 1/2'	06		1313			X										
B102-5'		5'	07		1318													
B102-10'		10'	08		1321			X			X							
B102-15'		15'	09		1327			✓			✓							
B102-25'		25'	10		1336													<u>per CC 3/14/11</u>

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	Charles Caccz	Sound Earth	3-14-11	15:18
Received by: <u>[Signature]</u>	Brad Benson	SLATE	3-17-11	15:18
Relinquished by:				
Received by:		Samples received at <u>2</u> °C		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 25, 2011

Chuck Cacek, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cacek:

Included are the results from the testing of material submitted on March 17, 2011 from the SOU_0789_20110317, F&BI 103227 project. There are 15 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Audrey Hackett
SOU0325R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 17, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0789_20110317, F&BI 103227 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
103227-01	B103-02.5
103227-02	B103-05
103227-03	B103-10
103227-04	B103-15
103227-05	B104-02.5
103227-06	B104-05
103227-07	B104-10
103227-08	B104-15
103227-09	B105-02.5
103227-10	B105-05
103227-11	B105-10
103227-12	B105-15

All quality control requirements were acceptable.

Date of Report: 03/25/11
 Date Received: 03/17/11
 Project: SOU_0789_20110317, F&BI 103227
 Date Extracted: 03/21/11
 Date Analyzed: 03/21/11

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
 Results Reported as Not Detected (ND) or Detected (D)**

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
 WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
 WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
B103-05 103227-02	ND	ND	ND	89
B103-15 103227-04	ND	ND	ND	80
B104-02.5 103227-05	ND	ND	ND	85
B104-15 103227-08	ND	ND	ND	82
B105-02.5 103227-09	ND	ND	ND	86
B105-15 103227-12	ND	ND	ND	83
Method Blank 01-0457 MB	ND	ND	ND	89

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Analysis For Total Metals By EPA Method 200.8

Client ID:	B103-05	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0789_20110317, F&BI 103227
Date Extracted:	03/21/11	Lab ID:	103227-02
Date Analyzed:	03/24/11	Data File:	103227-02.012
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	91	60	125
Holmium	89	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.01
Lead	66.3

Analysis For Total Metals By EPA Method 200.8

Client ID:	B104-02.5	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0789_20110317, F&BI 103227
Date Extracted:	03/21/11	Lab ID:	103227-05
Date Analyzed:	03/24/11	Data File:	103227-05.013
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	88	60	125
Holmium	93	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	2.49
Lead	3.62

Analysis For Total Metals By EPA Method 200.8

Client ID:	B105-02.5	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0789_20110317, F&BI 103227
Date Extracted:	03/21/11	Lab ID:	103227-09
Date Analyzed:	03/24/11	Data File:	103227-09.014
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	88	60	125
Holmium	89	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	2.21
Lead	2.86

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0789_20110317, F&BI 103227
Date Extracted:	03/21/11	Lab ID:	I1-194 mb
Date Analyzed:	03/24/11	Data File:	I1-194 mb.010
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	92	60	125
Holmium	93	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B103-05	Client: SoundEarth Strategies
Date Received: 03/17/11	Project: SOU_0789_20110317, F&BI 103227
Date Extracted: 03/21/11	Lab ID: 103227-02
Date Analyzed: 03/23/11	Data File: 032235.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	158
Toluene-d8	102	42	159
4-Bromofluorobenzene	104	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B103-15	Client: SoundEarth Strategies
Date Received: 03/17/11	Project: SOU_0789_20110317, F&BI 103227
Date Extracted: 03/21/11	Lab ID: 103227-04
Date Analyzed: 03/23/11	Data File: 032236.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	158
Toluene-d8	100	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B104-15	Client: SoundEarth Strategies
Date Received: 03/17/11	Project: SOU_0789_20110317, F&BI 103227
Date Extracted: 03/21/11	Lab ID: 103227-08
Date Analyzed: 03/23/11	Data File: 032237.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	42	158
Toluene-d8	97	42	159
4-Bromofluorobenzene	99	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B105-15	Client: SoundEarth Strategies
Date Received: 03/17/11	Project: SOU_0789_20110317, F&BI 103227
Date Extracted: 03/21/11	Lab ID: 103227-12
Date Analyzed: 03/23/11	Data File: 032238.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	97	42	159
4-Bromofluorobenzene	99	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: Method Blank	Client: SoundEarth Strategies
Date Received: NA	Project: SOU_0789_20110317, F&BI 103227
Date Extracted: 03/21/11	Lab ID: 01-410 mb
Date Analyzed: 03/22/11	Data File: 032220.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Date of Report: 03/25/11
 Date Received: 03/17/11
 Project: SOU_0789_20110317, F&BI 103227

**QUALITY ASSURANCE RESULTS
 FOR THE ANALYSIS OF SOIL SAMPLES
 FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 103244-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	4.63	105 b	116 b	44-151	10 b
Lead	mg/kg (ppm)	50	46.2	100 b	100 b	65-126	0 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	116	80-120
Lead	mg/kg (ppm)	50	101	81-120

Date of Report: 03/25/11
 Date Received: 03/17/11
 Project: SOU_0789_20110317, F&BI 103227

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 103243-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	12	10-171
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	10-162
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	33	10-166
Bromomethane	mg/kg (ppm)	2.5	<0.5	49	10-165
Chloroethane	mg/kg (ppm)	2.5	<0.5	47	10-161
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	50	10-168
Acetone	mg/kg (ppm)	12.5	<0.5	75	20-155
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	55	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	58	21-149
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	69	39-139
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	53	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	58	30-114
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	49	17-150
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	36-111
Chloroform	mg/kg (ppm)	2.5	<0.05	65	39-114
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	77	24-153
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	64	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	59	27-119
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	54	26-118
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	60	22-123
Benzene	mg/kg (ppm)	2.5	<0.03	61	33-113
Trichloroethene	mg/kg (ppm)	2.5	<0.03	60	36-113
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	64	40-113
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	69	43-118
Dibromomethane	mg/kg (ppm)	2.5	<0.05	74	43-113
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	76	34-154
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	67	43-117
Toluene	mg/kg (ppm)	2.5	<0.05	62	38-139
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	69	44-140
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	70	38-146
2-Hexanone	mg/kg (ppm)	12.5	<0.5	79	37-150
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	68	47-133
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	57	29-117
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	76	46-116
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	71	44-139
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	62	41-114
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	61	38-120
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	74	43-120
m,p-Xylene	mg/kg (ppm)	5	<0.1	69	37-122
o-Xylene	mg/kg (ppm)	2.5	<0.05	68	39-121
Styrene	mg/kg (ppm)	2.5	<0.05	70	43-121
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	63	38-126
Bromoform	mg/kg (ppm)	2.5	<0.05	80	44-120
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	60	34-127
Bromobenzene	mg/kg (ppm)	2.5	<0.05	65	42-115
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	64	34-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	72	41-113
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	70	45-134
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	62	40-120
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	61	41-119
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	62	37-125
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	61	34-129
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	63	35-127
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	63	35-128
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	62	39-115
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	59	39-114
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	65	43-115
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	80	30-147
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	63	37-121
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	61	29-121
Naphthalene	mg/kg (ppm)	2.5	<0.05	73	12-168
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	64	11-172

Date of Report: 03/25/11
 Date Received: 03/17/11
 Project: SOU_0789_20110317, F&BI 103227

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	57	54	10-142	5
Chloromethane	mg/kg (ppm)	2.5	80	77	25-121	4
Vinyl chloride	mg/kg (ppm)	2.5	73	74	29-135	1
Bromomethane	mg/kg (ppm)	2.5	79	79	33-123	0
Chloroethane	mg/kg (ppm)	2.5	74	68	10-281	8
Trichlorofluoromethane	mg/kg (ppm)	2.5	98	95	13-151	3
Acetone	mg/kg (ppm)	12.5	95	91	10-151	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	87	86	22-151	1
Methylene chloride	mg/kg (ppm)	2.5	81	80	42-144	1
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	101	104	62-124	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	92	60-125	2
1,1-Dichloroethane	mg/kg (ppm)	2.5	96	97	66-123	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	92	97	53-134	5
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	104	72-118	3
Chloroform	mg/kg (ppm)	2.5	99	103	71-123	4
2-Butanone (MEK)	mg/kg (ppm)	12.5	108	109	10-150	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	98	100	60-124	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	105	68-128	3
1,1-Dichloropropene	mg/kg (ppm)	2.5	98	99	71-123	1
Carbon tetrachloride	mg/kg (ppm)	2.5	100	106	64-136	6
Benzene	mg/kg (ppm)	2.5	99	100	69-122	1
Trichloroethene	mg/kg (ppm)	2.5	101	102	71-122	1
1,2-Dichloropropane	mg/kg (ppm)	2.5	102	101	71-120	1
Bromodichloromethane	mg/kg (ppm)	2.5	110	113	68-140	3
Dibromomethane	mg/kg (ppm)	2.5	109	110	72-121	1
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	106	103	10-150	3
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	104	107	74-126	3
Toluene	mg/kg (ppm)	2.5	98	99	72-122	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	106	70-131	1
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	102	103	70-122	1
2-Hexanone	mg/kg (ppm)	12.5	111	112	10-152	1
1,3-Dichloropropane	mg/kg (ppm)	2.5	98	101	72-121	3
Tetrachloroethene	mg/kg (ppm)	2.5	98	98	69-125	0
Dibromochloromethane	mg/kg (ppm)	2.5	113	116	68-130	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	107	110	72-121	3
Chlorobenzene	mg/kg (ppm)	2.5	97	99	69-125	2
Ethylbenzene	mg/kg (ppm)	2.5	99	101	72-130	2
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	109	110	69-133	1
m,p-Xylene	mg/kg (ppm)	5	114	115	72-131	1
o-Xylene	mg/kg (ppm)	2.5	106	108	71-129	2
Styrene	mg/kg (ppm)	2.5	104	105	73-132	1
Isopropylbenzene	mg/kg (ppm)	2.5	102	103	73-134	1
Bromoform	mg/kg (ppm)	2.5	117	118	68-129	1
n-Propylbenzene	mg/kg (ppm)	2.5	100	100	72-136	0
Bromobenzene	mg/kg (ppm)	2.5	104	105	73-125	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	107	106	72-132	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	104	103	67-116	1
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	102	67-123	2
2-Chlorotoluene	mg/kg (ppm)	2.5	101	101	72-130	0
4-Chlorotoluene	mg/kg (ppm)	2.5	101	101	73-129	0
tert-Butylbenzene	mg/kg (ppm)	2.5	102	103	71-130	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	101	101	70-132	0
sec-Butylbenzene	mg/kg (ppm)	2.5	103	103	71-134	0
p-Isopropyltoluene	mg/kg (ppm)	2.5	107	107	71-135	0
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	102	102	70-124	0
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	95	96	68-126	1
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	103	102	71-125	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	122	122	63-122	0
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	101	100	69-132	1
Hexachlorobutadiene	mg/kg (ppm)	2.5	103	103	68-121	0
Naphthalene	mg/kg (ppm)	2.5	105	105	60-125	0
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	107	108	68-121	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 - More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

103227

SAMPLE CHAIN OF CUSTODY

ME 03/17/11

B03/V33

Send Report To C. Cacek
 Company SoundEarth Strategies
 Address 2811 Fairview Ave E Suite 2000
 City, State, ZIP Seattle, WA 98109
 Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. Jacobsen 10789 PO #
 REMARKS HOLD ALL SAMPLES GEMS Y / N

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by:
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED										Notes
								HCl D NWTPH-Px	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Total Lead	Arsenic			
B103-02.5	B103	2.5	01 A E	3/17/11	0755	Soil	5											✓ per CC 3/18/11 MC
B103-05	↓	5	02		0805			✓				✓						HOLD
B103-10	↓	10	03		0818			✓										
B103-15	↓	15	04		0833			✓										
B104-02.5	B104	2.5	05		1125			✓										
B104-05	↓	5	06		1130													
B104-10	↓	10	07		1150													
B104-15	↓	15	08		1202			✓				✓						
B105-02.5	B105	2.5	09		1334			✓										
B105-05	↓	5	10		1345													
B105-10	↓	10	11		1356													
B105-15	↓	15	12	↓	1409	↓	↓	✓				✓						↓

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	David Mendel	SES	3/17/11	1630
Received by: <u>[Signature]</u>	HONG NGUYEN	FORS	✓	✓
Relinquished by:				
Received by:				

Samples received at 3 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 4, 2011

Chuck Cacek, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cacek:

Included are the amended results from the testing of material submitted on March 21, 2011 from the SOU_789_20110321, F&BI 103256 project. There are 16 pages included in this report. Per your request, the reporting limit for 1,3-dichlorobenzene has been raised.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Audrey Hackett
SOU0325R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
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Seattle, WA 98119-2029
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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 25, 2011

Chuck Cacek, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cacek:

Included are the results from the testing of material submitted on March 21, 2011 from the SOU_789_20110321, F&BI 103256 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Audrey Hackett
SOU0325R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 21, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_789_20110321, F&BI 103256 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
103256-01	MW102-20110318
103256-02	MW-J4-20110318
103256-03	MW-99-20110318
103256-04	MW101-20110318
103256-05	MW-J3-20110318
103256-06	MW103-20110318
103256-07	MW-J1-20110318

The 8260C calibration standard failed the acceptance criteria for several analytes. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11
Date Received: 03/21/11
Project: SOU_789_20110321, F&BI 103256
Date Extracted: 03/24/11
Date Analyzed: 03/24/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
MW102-20110318 103256-01	<100	67
MW-J4-20110318 103256-02	170	64
MW-99-20110318 103256-03	<100	74
MW101-20110318 103256-04	<100	76
MW-J3-20110318 103256-05	<100	77
MW103-20110318 103256-06	<100	78
MW-J1-20110318 103256-07	<100	63
Method Blank 01-0518 MB	<100	59

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11
Date Received: 03/21/11
Project: SOU_789_20110321, F&BI 103256
Date Extracted: 03/21/11
Date Analyzed: 03/22/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
MW102-20110318 103256-01	<50	<250	95
MW-J4-20110318 103256-02	<50	<250	95
MW101-20110318 103256-04	<50	<250	98
MW-J3-20110318 103256-05	<50	<250	92
MW103-20110318 103256-06	<50	<250	101
MW-J1-20110318 103256-07	<50	<250	97
Method Blank 01-458 MB	<50	<250	106

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: MW102-20110318	Client: SoundEarth Strategies
Date Received: 03/21/11	Project: SOU_789_20110321, F&BI 103256
Date Extracted: 03/23/11	Lab ID: 103256-01
Date Analyzed: 03/23/11	Data File: 032314.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	99	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1 ca	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10 ca	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5 ca	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1 ca	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1 ca	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<2.5
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: MW-J4-20110318	Client: SoundEarth Strategies
Date Received: 03/21/11	Project: SOU_789_20110321, F&BI 103256
Date Extracted: 03/23/11	Lab ID: 103256-02
Date Analyzed: 03/23/11	Data File: 032315.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	99	63	127
4-Bromofluorobenzene	103	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1 ca	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10 ca	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5 ca	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1 ca	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1 ca	tert-Butylbenzene	<1
Benzene	78	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<2.5
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: MW-99-20110318	Client: SoundEarth Strategies
Date Received: 03/21/11	Project: SOU_789_20110321, F&BI 103256
Date Extracted: 03/23/11	Lab ID: 103256-03
Date Analyzed: 03/23/11	Data File: 032316.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	99	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1 ca	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10 ca	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5 ca	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1 ca	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<2.5
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: MW101-20110318	Client: SoundEarth Strategies
Date Received: 03/21/11	Project: SOU_789_20110321, F&BI 103256
Date Extracted: 03/23/11	Lab ID: 103256-04
Date Analyzed: 03/23/11	Data File: 032317.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	103	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1 ca	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10 ca	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5 ca	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1 ca	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<2.5
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW-J3-20110318	Client:	SoundEarth Strategies
Date Received:	03/21/11	Project:	SOU_789_20110321, F&BI 103256
Date Extracted:	03/23/11	Lab ID:	103256-05
Date Analyzed:	03/23/11	Data File:	032318.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1 ca	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10 ca	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5 ca	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1 ca	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1 ca	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<2.5
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: MW103-20110318	Client: SoundEarth Strategies
Date Received: 03/21/11	Project: SOU_789_20110321, F&BI 103256
Date Extracted: 03/23/11	Lab ID: 103256-06
Date Analyzed: 03/23/11	Data File: 032319.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1 ca	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10 ca	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5 ca	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1 ca	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1 ca	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<2.5
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: MW-J1-20110318	Client: SoundEarth Strategies
Date Received: 03/21/11	Project: SOU_789_20110321, F&BI 103256
Date Extracted: 03/23/11	Lab ID: 103256-07
Date Analyzed: 03/23/11	Data File: 032313.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1 ca	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10 ca	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5 ca	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1 ca	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1 ca	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<2.5
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_789_20110321, F&BI 103256
Date Extracted:	03/23/11	Lab ID:	01-413 mb
Date Analyzed:	03/23/11	Data File:	032311.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	104	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1 ca	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10 ca	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5 ca	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1 ca	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1 ca	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<2.5
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/21/11

Project: SOU_789_20110321, F&BI 103256

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 103306-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	93	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/21/11

Project: SOU_789_20110321, F&BI 103256

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	101	104	63-142	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/21/11

Project: SOU_789_20110321, F&BI 103256

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 103252-10 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<10	86	10-172
Chloromethane	ug/L (ppb)	50	<10	89	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	92	36-166
Bromomethane	ug/L (ppb)	50	<1	81	47-169
Chloroethane	ug/L (ppb)	50	<1	88	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	87	44-165
Acetone	ug/L (ppb)	250	<10	92	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	94	60-136
Methylene chloride	ug/L (ppb)	50	5.3	83	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	93	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	95	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	97	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	72	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	101	71-127
Chloroform	ug/L (ppb)	50	<1	97	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	92	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	93	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	91	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	100	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	90	56-152
Benzene	ug/L (ppb)	50	<0.35	99	76-125
Trichloroethene	ug/L (ppb)	50	<1	94	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	101	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	102	61-150
Dibromomethane	ug/L (ppb)	50	<1	100	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	110	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	72-132
Toluene	ug/L (ppb)	50	<1	98	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	98	76-130
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	99	68-131
2-Hexanone	ug/L (ppb)	250	<10	104	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	99	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	103	73-129
Dibromochloromethane	ug/L (ppb)	50	<1	104	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	102	69-134
Chlorobenzene	ug/L (ppb)	50	<1	98	77-122
Ethylbenzene	ug/L (ppb)	50	<1	99	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	101	73-137
m,p-Xylene	ug/L (ppb)	100	<2	101	69-135
o-Xylene	ug/L (ppb)	50	<1	103	68-137
Styrene	ug/L (ppb)	50	<1	102	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	101	65-142
Bromoform	ug/L (ppb)	50	<1	105	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	103	58-144
Bromobenzene	ug/L (ppb)	50	<1	104	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	101	66-137
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	103	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	100	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	102	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	101	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	101	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	101	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	100	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	100	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<2.5	98	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	96	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	97	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	100	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	106	76-132
Hexachlorobutadiene	ug/L (ppb)	50	<1	97	60-143
Naphthalene	ug/L (ppb)	50	<1	111	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	107	69-148

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/21/11

Project: SOU_789_20110321, F&BI 103256

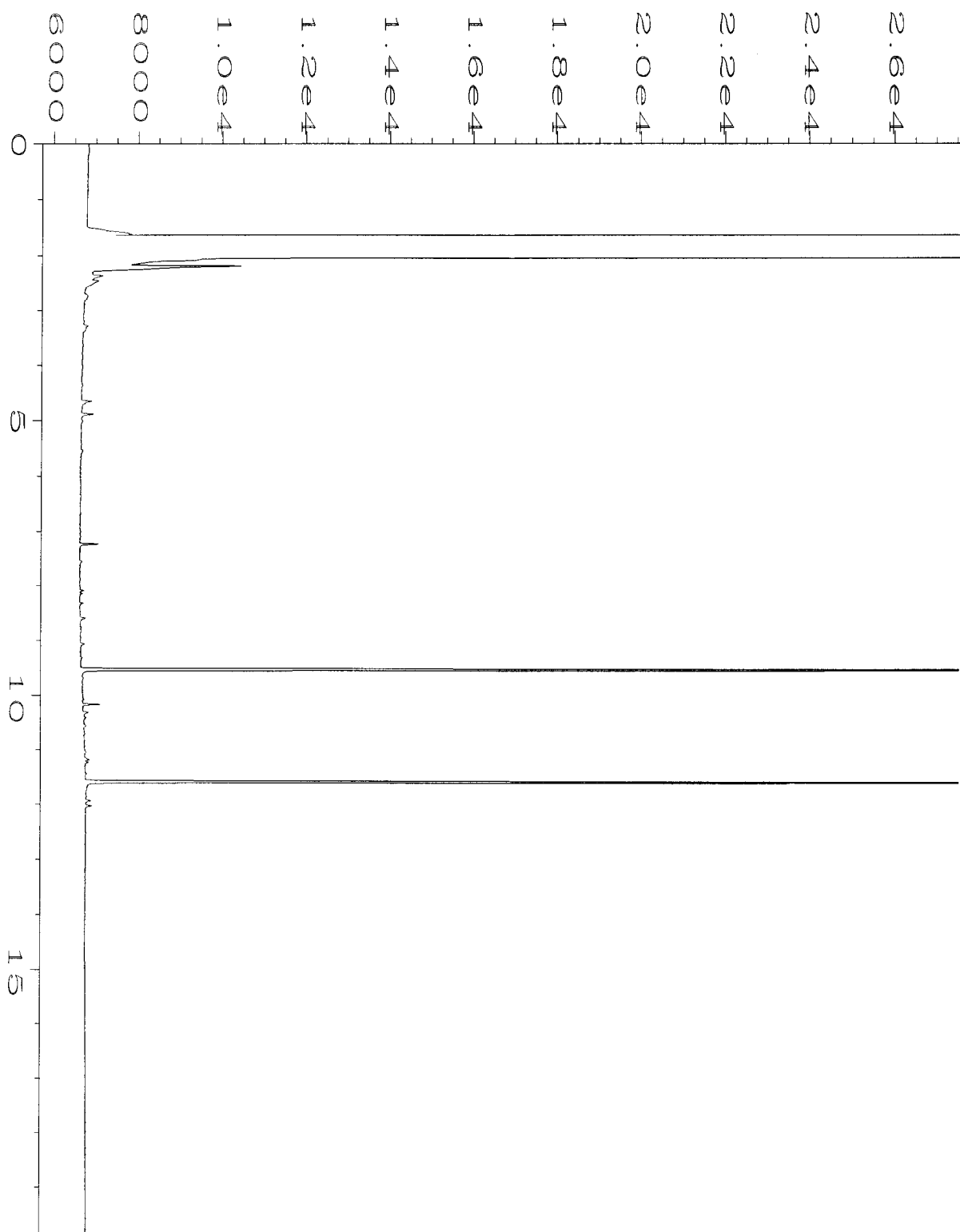
**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: Laboratory Control Sample

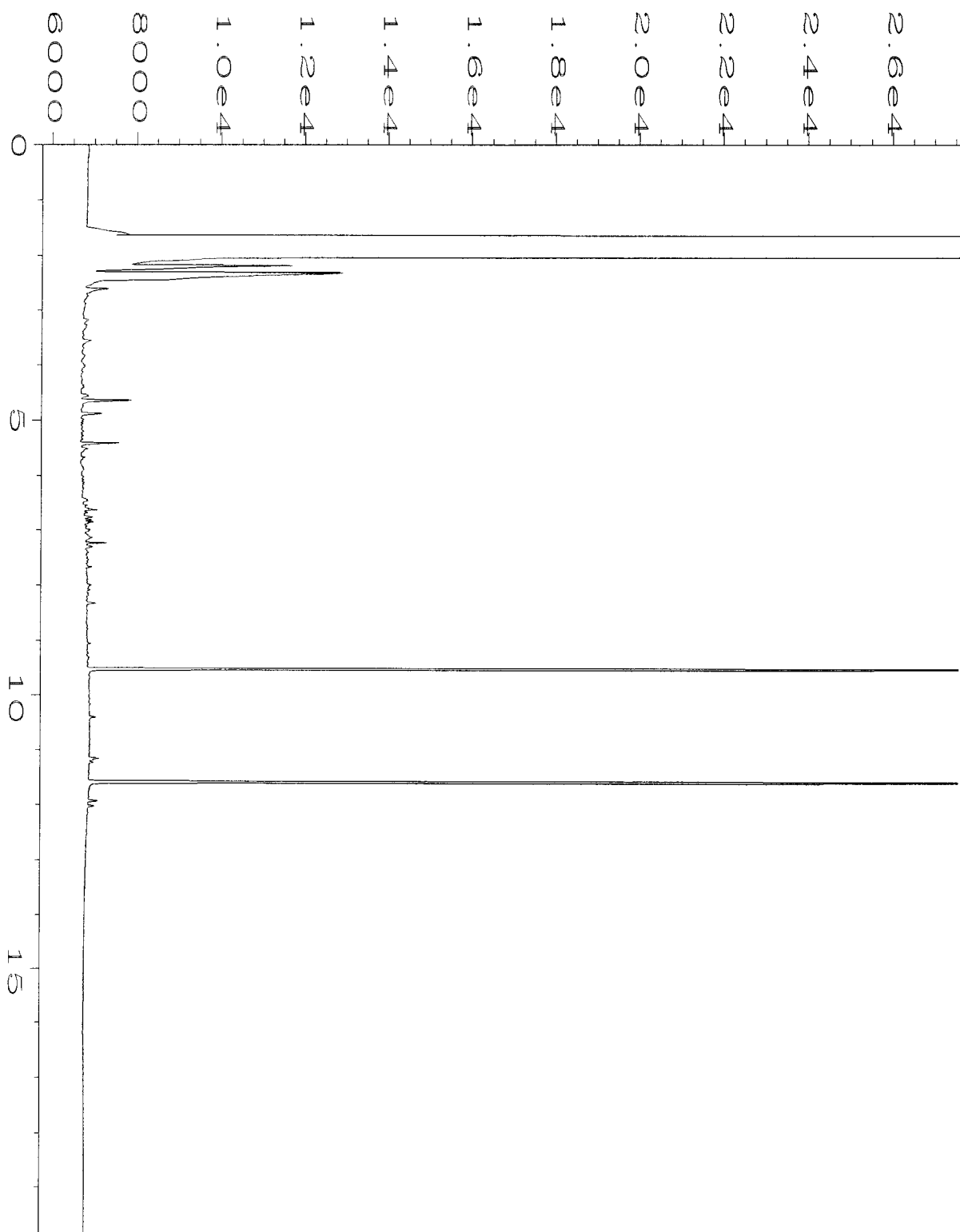
Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	106	105	25-158	1
Chloromethane	ug/L (ppb)	50	102	103	45-156	1
Vinyl chloride	ug/L (ppb)	50	102	101	50-154	1
Bromomethane	ug/L (ppb)	50	90	89	55-143	1
Chloroethane	ug/L (ppb)	50	97	99	58-146	2
Trichlorofluoromethane	ug/L (ppb)	50	91	91	50-150	0
Acetone	ug/L (ppb)	250	98	98	60-155	0
1,1-Dichloroethene	ug/L (ppb)	50	104	102	67-136	2
Methylene chloride	ug/L (ppb)	50	89	91	39-148	2
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	103	101	64-147	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	99	95	68-128	4
1,1-Dichloroethane	ug/L (ppb)	50	100	99	79-121	1
2,2-Dichloropropane	ug/L (ppb)	50	96	102	55-143	6
cis-1,2-Dichloroethene	ug/L (ppb)	50	107	105	80-123	2
Chloroform	ug/L (ppb)	50	100	99	80-121	1
2-Butanone (MEK)	ug/L (ppb)	250	97	96	57-149	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	96	95	73-132	1
1,1,1-Trichloroethane	ug/L (ppb)	50	90	86	83-130	5
1,1-Dichloropropene	ug/L (ppb)	50	106	103	77-129	3
Carbon tetrachloride	ug/L (ppb)	50	92	91	75-158	1
Benzene	ug/L (ppb)	50	104	102	69-134	2
Trichloroethene	ug/L (ppb)	50	98	97	80-120	1
1,2-Dichloropropane	ug/L (ppb)	50	106	105	77-123	1
Bromodichloromethane	ug/L (ppb)	50	105	103	81-133	2
Dibromomethane	ug/L (ppb)	50	105	103	82-125	2
4-Methyl-2-pentanone	ug/L (ppb)	250	113	111	70-140	2
cis-1,3-Dichloropropene	ug/L (ppb)	50	112	110	82-132	2
Toluene	ug/L (ppb)	50	103	102	72-122	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	110	108	80-136	2
1,1,2-Trichloroethane	ug/L (ppb)	50	103	103	75-124	0
2-Hexanone	ug/L (ppb)	250	108	108	64-152	0
1,3-Dichloropropane	ug/L (ppb)	50	104	102	76-126	2
Tetrachloroethene	ug/L (ppb)	50	110	108	76-121	2
Dibromochloromethane	ug/L (ppb)	50	110	109	84-133	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	107	105	82-125	2
Chlorobenzene	ug/L (ppb)	50	102	100	83-114	2
Ethylbenzene	ug/L (ppb)	50	103	102	77-124	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	104	102	84-127	2
m,p-Xylene	ug/L (ppb)	100	104	104	83-125	0
o-Xylene	ug/L (ppb)	50	107	106	86-121	1
Styrene	ug/L (ppb)	50	108	108	85-127	0
Isopropylbenzene	ug/L (ppb)	50	105	105	87-122	0
Bromoform	ug/L (ppb)	50	110	110	74-136	0
n-Propylbenzene	ug/L (ppb)	50	109	108	74-126	1
Bromobenzene	ug/L (ppb)	50	107	106	80-121	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50	107	106	80-126	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	106	106	66-126	0
1,2,3-Trichloropropane	ug/L (ppb)	50	102	102	67-124	0
2-Chlorotoluene	ug/L (ppb)	50	106	105	77-127	1
4-Chlorotoluene	ug/L (ppb)	50	106	105	78-128	1
tert-Butylbenzene	ug/L (ppb)	50	106	104	85-127	2
1,2,4-Trimethylbenzene	ug/L (ppb)	50	106	105	82-125	1
sec-Butylbenzene	ug/L (ppb)	50	105	104	80-125	1
p-Isopropyltoluene	ug/L (ppb)	50	107	106	82-127	1
1,3-Dichlorobenzene	ug/L (ppb)	50	102	101	85-116	1
1,4-Dichlorobenzene	ug/L (ppb)	50	101	100	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	101	101	85-116	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	105	104	57-141	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	113	111	72-130	2
Hexachlorobutadiene	ug/L (ppb)	50	104	101	53-141	3
Naphthalene	ug/L (ppb)	50	117	116	64-133	1
1,2,3-Trichlorobenzene	ug/L (ppb)	50	113	110	65-136	3

Data Qualifiers & Definitions

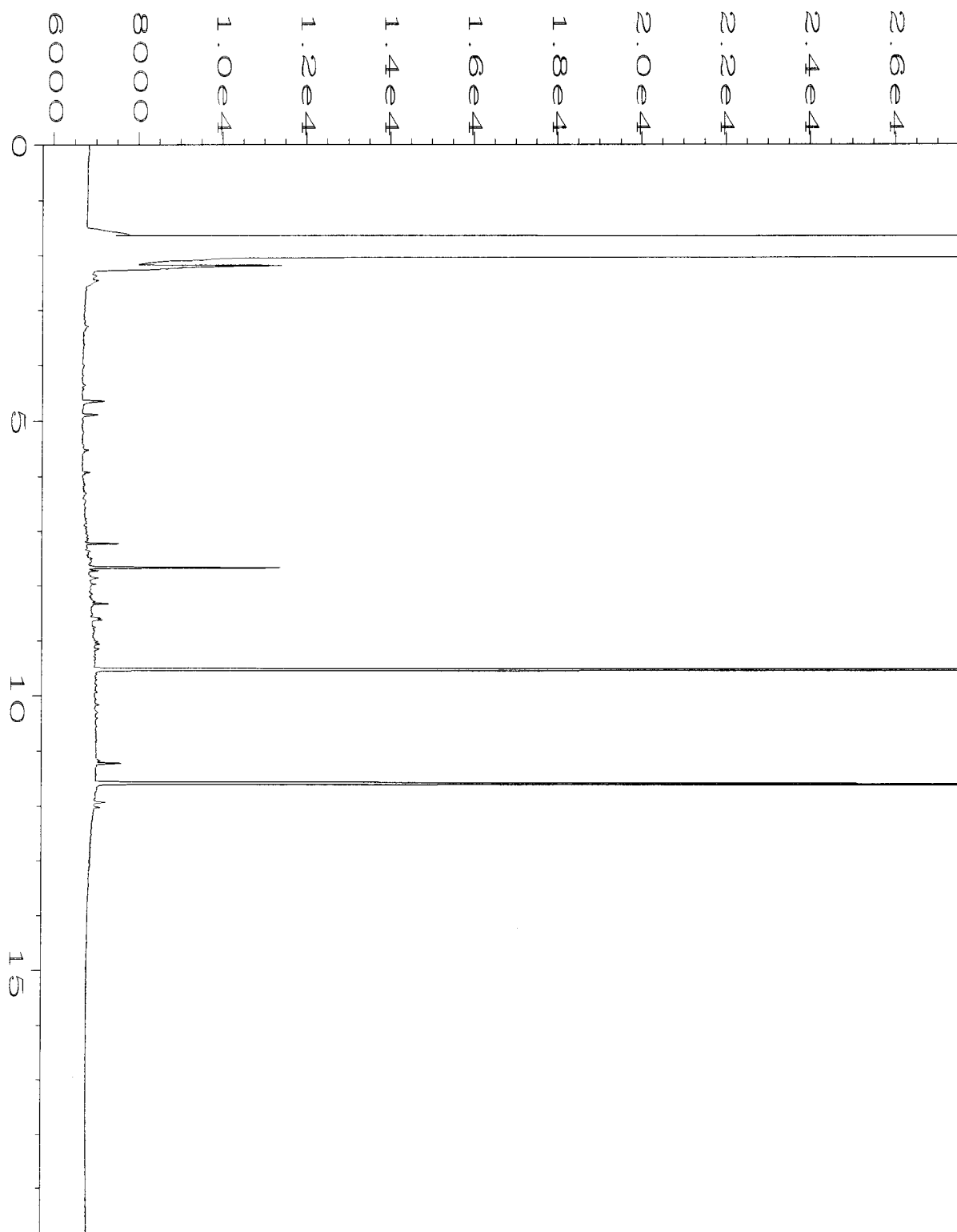
- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 – More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc – The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j – The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



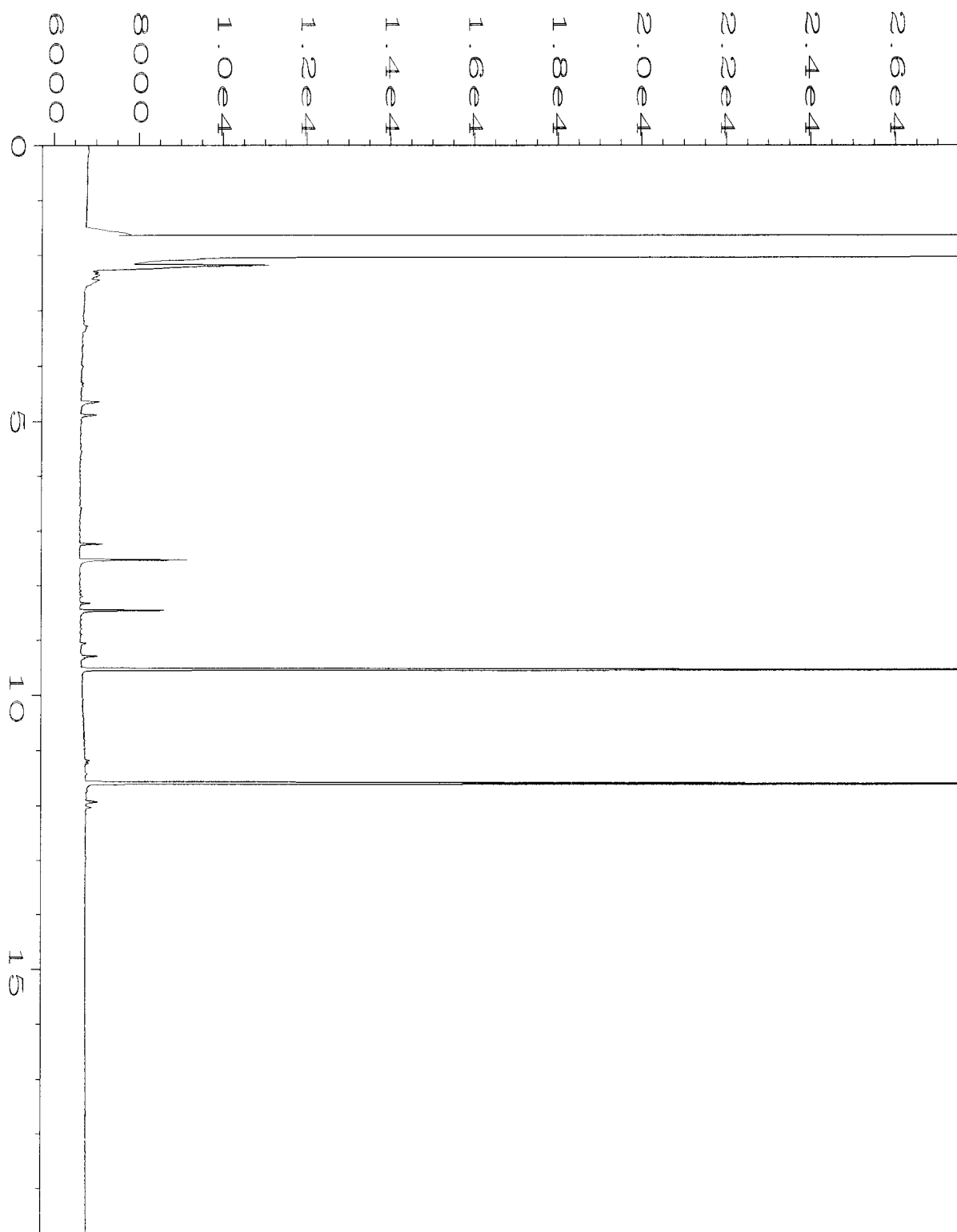
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Operator	: ML	Vial Number	: 36
Instrument	: GC1	Injection Number	: 1
Sample Name	: 103256-01	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 22 Mar 11 00:56 AM	Analysis Method	: TPHD.MTH
Report Created on:	22 Mar 11 09:33 AM		



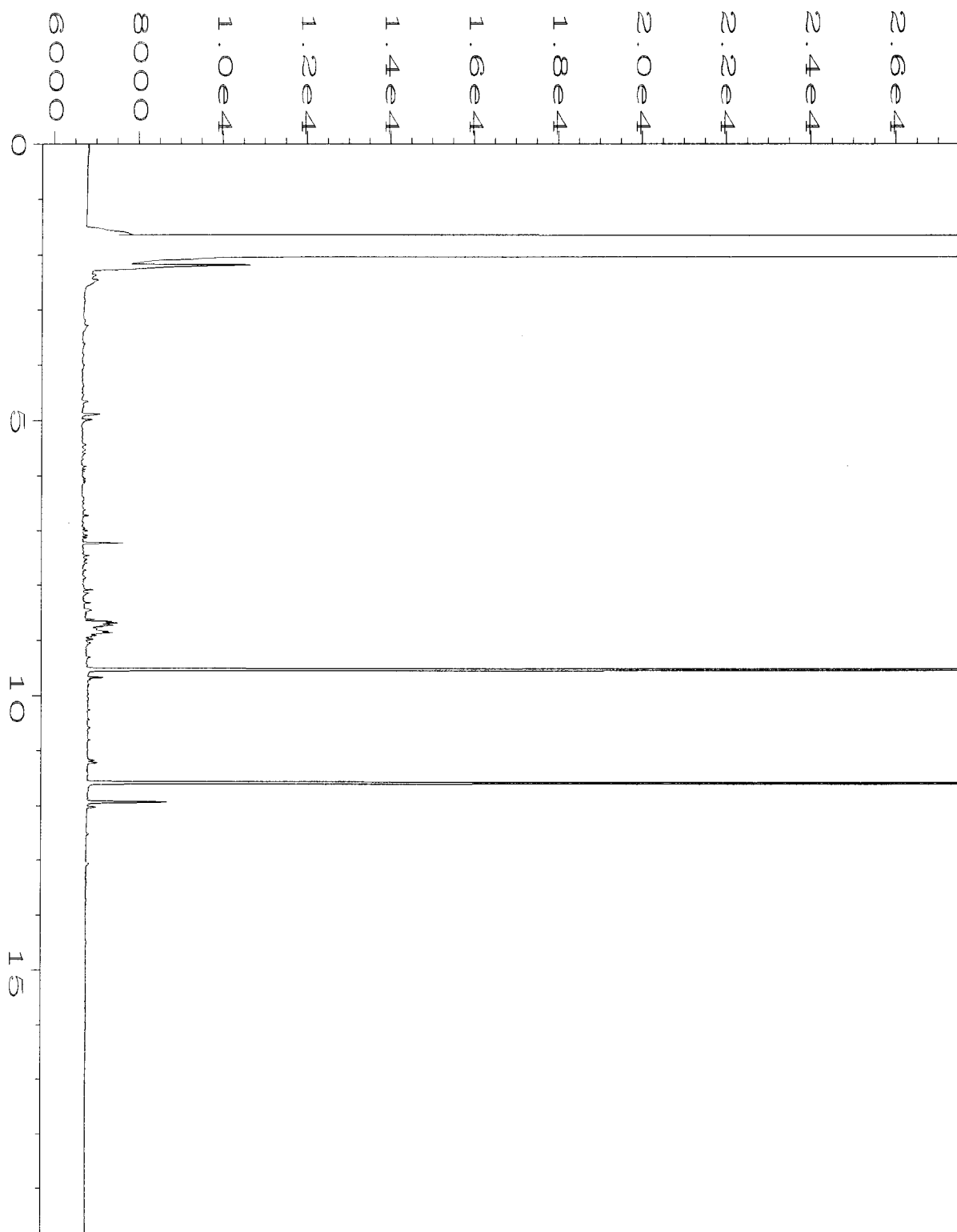
Data File Name	: C:\HPCHEM\1\DATA\03-21-11\037F0901.D	Page Number	: 1
Operator	: ML	Vial Number	: 37
Instrument	: GC1	Injection Number	: 1
Sample Name	: 103256-02	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 22 Mar 11 01:23 AM	Analysis Method	: TPHD.MTH
Report Created on:	22 Mar 11 09:33 AM		



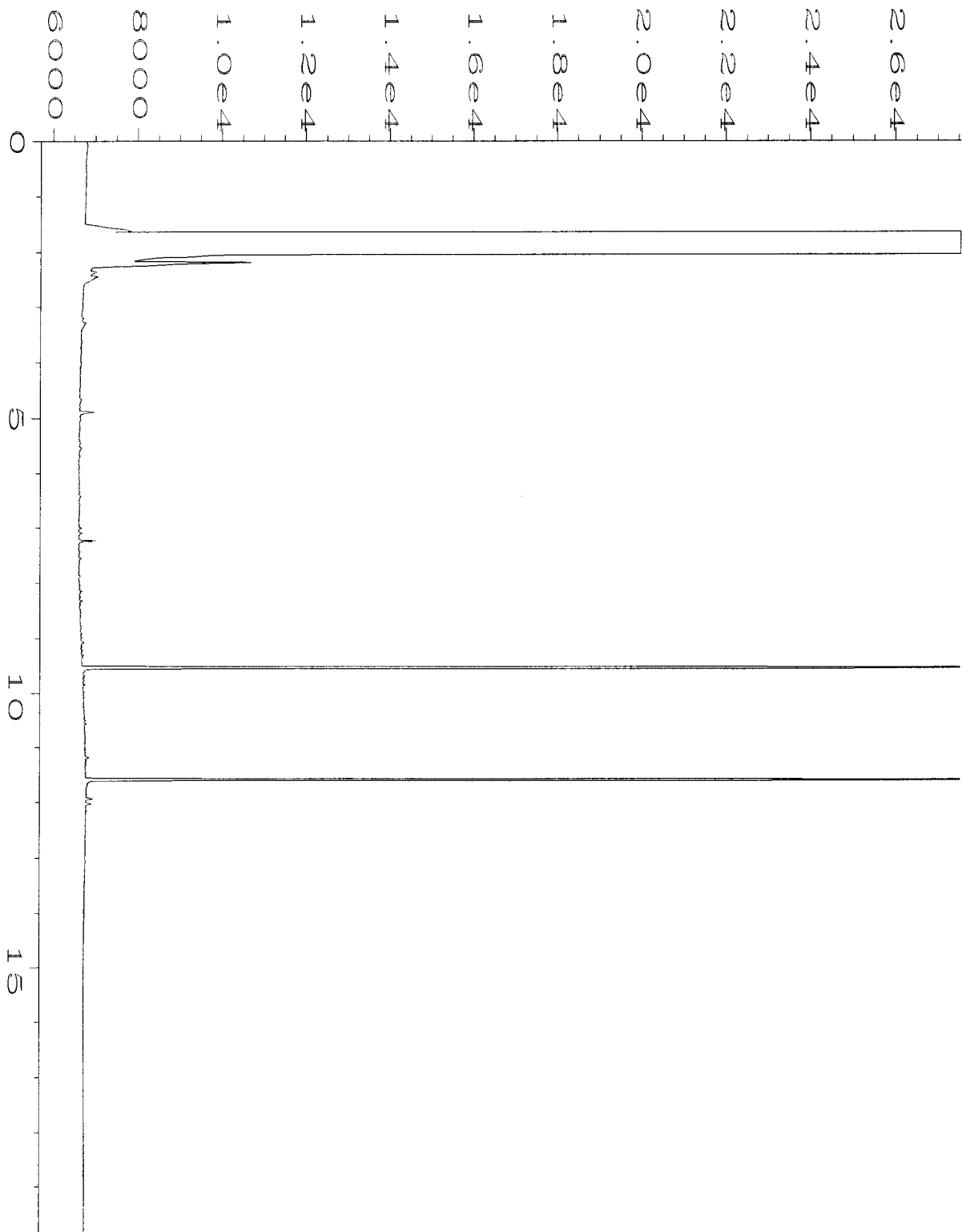
Data File Name	: C:\HPCHEM\1\DATA\03-21-11\038F0901.D	Page Number	: 1
Operator	: ML	Vial Number	: 38
Instrument	: GC1	Injection Number	: 1
Sample Name	: 103256-04	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 22 Mar 11 01:50 AM	Analysis Method	: TPHD.MTH
Report Created on:	22 Mar 11 09:33 AM		



Data File Name	: C:\HPCHEM\1\DATA\03-21-11\039F0901.D	Page Number	: 1
Operator	: ML	Vial Number	: 39
Instrument	: GC1	Injection Number	: 1
Sample Name	: 103256-05	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 22 Mar 11 02:16 AM	Analysis Method	: TPHD.MTH
Report Created on:	22 Mar 11 09:33 AM		



Data File Name	: C:\HPCHEM\1\DATA\03-21-11\040F0901.D	Page Number	: 1
Operator	: ML	Vial Number	: 40
Instrument	: GC1	Injection Number	: 1
Sample Name	: 103256-06	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 22 Mar 11 02:43 AM	Analysis Method	: TPHD.MTH
Report Created on:	22 Mar 11 09:33 AM		



Data File Name	: C:\HPCHEM\1\DATA\03-21-11\041F0901.D	Page Number	: 1
Operator	: ML	Vial Number	: 41
Instrument	: GC1	Injection Number	: 1
Sample Name	: 103256-07	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 22 Mar 11 03:09 AM	Analysis Method	: TPHD.MTH
Report Created on:	22 Mar 11 09:33 AM		

256
103246ND

SAMPLE CHAIN OF CUSTODY

ME 03/21/11

04/304

Send Report To Chuck Cacek
 Company SES
 Address 2811E Farmer Ave E
 City, State, ZIP Seattle 98112
 Phone # 206-306-1900 Fax #

SAMPLERS (signature) AR

PROJECT NAME/NO. 789 / Jacobsen PO #

REMARKS Full 8260 suite GEMS Y/N

Page # of

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by:

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED							Notes	
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			
MW102-20110318			01 A-F	3/18/11	1150	water	6	X	X	X	X					
MW104-20110318			02 A-F		1335		6	X	X	X	X					
MW105-20110318			03 A-F		1400		5	X	X	X	X					
MW101-20110318			04 A-F		1435		6	X	X	X	X					
MW103-20110318			05 A-F		1538		6	X	X	X	X					
MW103-20110318			06 A-F		1651		6	X	X	X	X					
MW107-20110318			07 A-F		1807		6	X	X	X	X					

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	Andrew Leaf	SES	3/21/11	12:30
Received by: <u>[Signature]</u>	#2209 NG1114-TU	FPE	3/21/11	12:30
Relinquished by:				
Received by:				

Samples received at 2 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 25, 2011

Chuck Cacek, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cacek:

Included are the results from the testing of material submitted on March 18, 2011 from the SOU_0789-002-01_20110318, F&BI 103243 project. There are 24 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Audrey Hackett
SOU0325R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 18, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0789-002-01_20110318, F&BI 103243 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
103243-01	P04-8
103243-02	P04-12
103243-03	P04-15
103243-04	P05-4
103243-05	P05-8
103243-06	P06-4
103243-07	P06-8
103243-08	P06-11
103243-09	P07-3'
103243-10	P07-8'
103243-11	P08-4'
103243-12	P08-8'
103243-13	P08-11
103243-14	P09-4'
103243-15	P09-6.5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11
Date Received: 03/18/11
Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11
Date Analyzed: 03/21/11 and 03/22/11

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

**THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE
INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT**

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
P04-8 103243-01	ND	ND	D	81
P04-15 103243-03	ND	ND	ND	84
P05-4 103243-04	ND	ND	ND	81
P06-4 103243-06	ND	ND	ND	82
P06-8 103243-07	ND	ND	ND	84
P07-3' 103243-09	ND	ND	ND	82
P07-8' 103243-10	ND	ND	ND	90
P08-4' 103243-11	ND	ND	ND	92
P08-8' 103243-12	ND	ND	ND	82

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Date of Report: 03/25/11
 Date Received: 03/18/11
 Project: SOU_0789-002-01_20110318, F&BI 103243
 Date Extracted: 03/21/11
 Date Analyzed: 03/21/11 and 03/22/11

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
 Results Reported as Not Detected (ND) or Detected (D)**

**THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
 WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE
 INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT**

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
P09-4' 103243-14	ND	ND	ND	82
Method Blank 01-0457 MB	ND	ND	ND	89

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Date of Report: 03/25/11
 Date Received: 03/18/11
 Project: SOU_0789-002-01_20110318, F&BI 103243
 Date Extracted: 03/24/11
 Date Analyzed: 03/24/11

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR TOTAL PETROLEUM HYDROCARBONS AS
 DIESEL AND MOTOR OIL
 USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 53-144)
P04-8 103243-01	<50	410	96
Method Blank	<50	<250	105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	P05-4	Client:	SoundEarth Strategies
Date Received:	03/18/11	Project:	SOU_0789-002-01_20110318, F&BI 103243
Date Extracted:	03/21/11	Lab ID:	103243-04
Date Analyzed:	03/24/11	Data File:	103243-04.015
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	87	60	125
Holmium	91	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	2.80
Lead	3.77

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	P06-4	Client:	SoundEarth Strategies
Date Received:	03/18/11	Project:	SOU_0789-002-01_20110318, F&BI 103243
Date Extracted:	03/21/11	Lab ID:	103243-06
Date Analyzed:	03/24/11	Data File:	103243-06.016
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	88	60	125
Holmium	92	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.94
Lead	12.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	P07-3'	Client:	SoundEarth Strategies
Date Received:	03/18/11	Project:	SOU_0789-002-01_20110318, F&BI 103243
Date Extracted:	03/21/11	Lab ID:	103243-09
Date Analyzed:	03/24/11	Data File:	103243-09.018
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	91	60	125
Holmium	90	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	2.96
Lead	22.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	P08-4'	Client:	SoundEarth Strategies
Date Received:	03/18/11	Project:	SOU_0789-002-01_20110318, F&BI 103243
Date Extracted:	03/21/11	Lab ID:	103243-11
Date Analyzed:	03/24/11	Data File:	103243-11.019
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	88	60	125
Holmium	91	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	4.28
Lead	4.16

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	P09-4'	Client:	SoundEarth Strategies
Date Received:	03/18/11	Project:	SOU_0789-002-01_20110318, F&BI 103243
Date Extracted:	03/21/11	Lab ID:	103243-14
Date Analyzed:	03/24/11	Data File:	103243-14.020
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	86	60	125
Holmium	91	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	6.65
Lead	85.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0789-002-01_20110318, F&BI 103243
Date Extracted:	03/21/11	Lab ID:	I1-194 mb
Date Analyzed:	03/24/11	Data File:	I1-194 mb.010
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	92	60	125
Holmium	93	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P04-8	Client: SoundEarth Strategies
Date Received: 03/18/11	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 103243-01
Date Analyzed: 03/22/11	Data File: 032222.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	42	158
Toluene-d8	98 ca	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P04-15	Client: SoundEarth Strategies
Date Received: 03/18/11	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 103243-03
Date Analyzed: 03/23/11	Data File: 032228.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P06-4	Client: SoundEarth Strategies
Date Received: 03/18/11	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 103243-06
Date Analyzed: 03/23/11	Data File: 032229.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	99	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.028
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P06-8	Client: SoundEarth Strategies
Date Received: 03/18/11	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 103243-07
Date Analyzed: 03/23/11	Data File: 032230.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	42	158
Toluene-d8	99	42	159
4-Bromofluorobenzene	99	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P07-3'	Client: SoundEarth Strategies
Date Received: 03/18/11	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 103243-09
Date Analyzed: 03/23/11	Data File: 032231.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	42	158
Toluene-d8	101	42	159
4-Bromofluorobenzene	101	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P07-8'	Client: SoundEarth Strategies
Date Received: 03/18/11	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 103243-10
Date Analyzed: 03/23/11	Data File: 032232.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	99	42	159
4-Bromofluorobenzene	99	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P08-4'	Client: SoundEarth Strategies
Date Received: 03/18/11	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 103243-11
Date Analyzed: 03/23/11	Data File: 032233.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	97	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P08-8'	Client: SoundEarth Strategies
Date Received: 03/18/11	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 103243-12
Date Analyzed: 03/23/11	Data File: 032234.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	42	158
Toluene-d8	93	42	159
4-Bromofluorobenzene	94	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: Method Blank	Client: SoundEarth Strategies
Date Received: NA	Project: SOU_0789-002-01_20110318, F&BI 103243
Date Extracted: 03/21/11	Lab ID: 01-410 mb
Date Analyzed: 03/22/11	Data File: 032220.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	100	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/18/11

Project: SOU_0789-002-01_20110318, F&BI 103243

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: 103318-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	125	124	63-146	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	125	79-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/18/11

Project: SOU_0789-002-01_20110318, F&BI 103243

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 103244-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	4.63	105 b	116 b	44-151	10 b
Lead	mg/kg (ppm)	50	46.2	100 b	100 b	65-126	0 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	116	80-120
Lead	mg/kg (ppm)	50	101	81-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/18/11

Project: SOU_0789-002-01_20110318, F&BI 103243

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 103243-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	12	10-171
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	10-162
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	33	10-166
Bromomethane	mg/kg (ppm)	2.5	<0.5	49	10-165
Chloroethane	mg/kg (ppm)	2.5	<0.5	47	10-161
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	50	10-168
Acetone	mg/kg (ppm)	12.5	<0.5	75	20-155
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	55	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	58	21-149
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	69	39-139
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	53	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	58	30-114
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	49	17-150
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	36-111
Chloroform	mg/kg (ppm)	2.5	<0.05	65	39-114
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	77	24-153
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	64	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	59	27-119
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	54	26-118
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	60	22-123
Benzene	mg/kg (ppm)	2.5	<0.03	61	33-113
Trichloroethene	mg/kg (ppm)	2.5	<0.03	60	36-113
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	64	40-113
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	69	43-118
Dibromomethane	mg/kg (ppm)	2.5	<0.05	74	43-113
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	76	34-154
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	67	43-117
Toluene	mg/kg (ppm)	2.5	<0.05	62	38-139
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	69	44-140
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	70	38-146
2-Hexanone	mg/kg (ppm)	12.5	<0.5	79	37-150
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	68	47-133
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	57	29-117
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	76	46-116
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	71	44-139
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	62	41-114
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	61	38-120
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	74	43-120
m,p-Xylene	mg/kg (ppm)	5	<0.1	69	37-122
o-Xylene	mg/kg (ppm)	2.5	<0.05	68	39-121
Styrene	mg/kg (ppm)	2.5	<0.05	70	43-121
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	63	38-126
Bromoform	mg/kg (ppm)	2.5	<0.05	80	44-120
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	60	34-127
Bromobenzene	mg/kg (ppm)	2.5	<0.05	65	42-115
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	64	34-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	72	41-113
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	70	45-134
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	62	40-120
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	61	41-119
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	62	37-125
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	61	34-129
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	63	35-127
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	63	35-128
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	62	39-115
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	59	39-114
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	65	43-115
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	80	30-147
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	63	37-121
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	61	29-121
Naphthalene	mg/kg (ppm)	2.5	<0.05	73	12-168
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	64	11-172

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/25/11

Date Received: 03/18/11

Project: SOU_0789-002-01_20110318, F&BI 103243

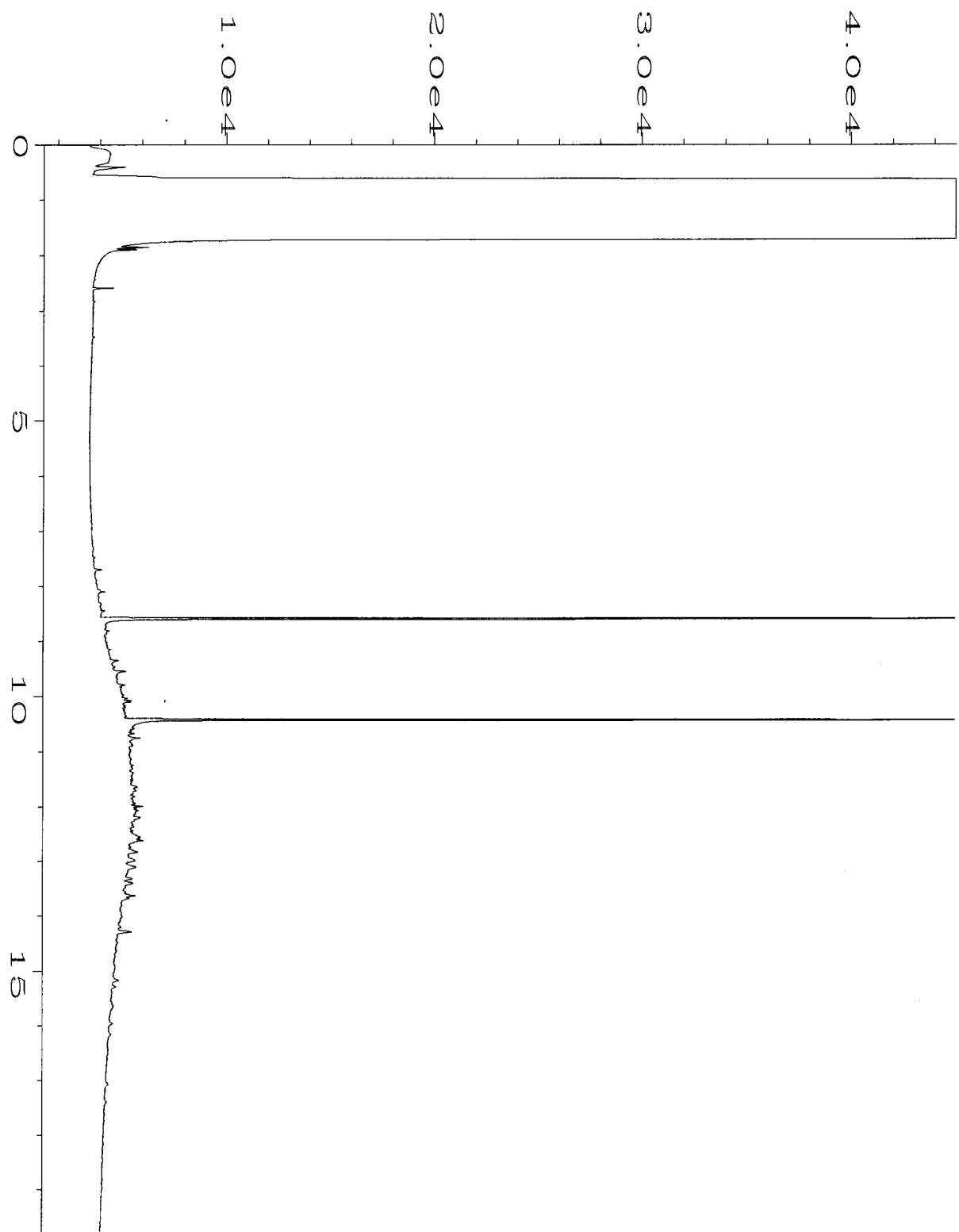
**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	57	54	10-142	5
Chloromethane	mg/kg (ppm)	2.5	80	77	25-121	4
Vinyl chloride	mg/kg (ppm)	2.5	73	74	29-135	1
Bromomethane	mg/kg (ppm)	2.5	79	79	33-123	0
Chloroethane	mg/kg (ppm)	2.5	74	68	10-281	8
Trichlorofluoromethane	mg/kg (ppm)	2.5	98	95	13-151	3
Acetone	mg/kg (ppm)	12.5	95	91	10-151	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	87	86	22-151	1
Methylene chloride	mg/kg (ppm)	2.5	81	80	42-144	1
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	101	104	62-124	3
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	92	60-125	2
1,1-Dichloroethane	mg/kg (ppm)	2.5	96	97	66-123	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	92	97	53-134	5
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	104	72-118	3
Chloroform	mg/kg (ppm)	2.5	99	103	71-123	4
2-Butanone (MEK)	mg/kg (ppm)	12.5	108	109	10-150	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	98	100	60-124	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	105	68-128	3
1,1-Dichloropropene	mg/kg (ppm)	2.5	98	99	71-123	1
Carbon tetrachloride	mg/kg (ppm)	2.5	100	106	64-136	6
Benzene	mg/kg (ppm)	2.5	99	100	69-122	1
Trichloroethene	mg/kg (ppm)	2.5	101	102	71-122	1
1,2-Dichloropropane	mg/kg (ppm)	2.5	102	101	71-120	1
Bromodichloromethane	mg/kg (ppm)	2.5	110	113	68-140	3
Dibromomethane	mg/kg (ppm)	2.5	109	110	72-121	1
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	106	103	10-150	3
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	104	107	74-126	3
Toluene	mg/kg (ppm)	2.5	98	99	72-122	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	106	70-131	1
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	102	103	70-122	1
2-Hexanone	mg/kg (ppm)	12.5	111	112	10-152	1
1,3-Dichloropropane	mg/kg (ppm)	2.5	98	101	72-121	3
Tetrachloroethene	mg/kg (ppm)	2.5	98	98	69-125	0
Dibromochloromethane	mg/kg (ppm)	2.5	113	116	68-130	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	107	110	72-121	3
Chlorobenzene	mg/kg (ppm)	2.5	97	99	69-125	2
Ethylbenzene	mg/kg (ppm)	2.5	99	101	72-130	2
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	109	110	69-133	1
m,p-Xylene	mg/kg (ppm)	5	114	115	72-131	1
o-Xylene	mg/kg (ppm)	2.5	106	108	71-129	2
Styrene	mg/kg (ppm)	2.5	104	105	73-132	1
Isopropylbenzene	mg/kg (ppm)	2.5	102	103	73-134	1
Bromoform	mg/kg (ppm)	2.5	117	118	68-129	1
n-Propylbenzene	mg/kg (ppm)	2.5	100	100	72-136	0
Bromobenzene	mg/kg (ppm)	2.5	104	105	73-125	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	107	106	72-132	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	104	103	67-116	1
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	102	67-123	2
2-Chlorotoluene	mg/kg (ppm)	2.5	101	101	72-130	0
4-Chlorotoluene	mg/kg (ppm)	2.5	101	101	73-129	0
tert-Butylbenzene	mg/kg (ppm)	2.5	102	103	71-130	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	101	101	70-132	0
sec-Butylbenzene	mg/kg (ppm)	2.5	103	103	71-134	0
p-Isopropyltoluene	mg/kg (ppm)	2.5	107	107	71-135	0
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	102	102	70-124	0
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	95	96	68-126	1
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	103	102	71-125	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	122	122	63-122	0
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	101	100	69-132	1
Hexachlorobutadiene	mg/kg (ppm)	2.5	103	103	68-121	0
Naphthalene	mg/kg (ppm)	2.5	105	105	60-125	0
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	107	108	68-121	1

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 – More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc – The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j – The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\6\DATA\03-24-11\018F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 18
Instrument	: GC #6	Injection Number	: 1
Sample Name	: 103243-01	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 24 Mar 11 05:47 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	25 Mar 11 09:12 AM		

103243

SAMPLE CHAIN OF CUSTODY

ME 03/18/11

VS3/803

Send Report To Chuck Cacer
 Company Sound Earth
 Address 2811 Fairview Ave. E. Site 200
 City, State, ZIP Seattle WA 98102
 Phone # 206 326 1900 Fax #

SAMPLERS (signature) CC
 PROJECT NAME/NO. Jacobson Property PO #
0789-002-01
 REMARKS
 GEMS Y / N

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by:
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED										
								HCl/D NWTPH-Dx	Dx NWTPH-OR	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Total Lead	Arsenic	Notes		
P04-8			01 ^A	3-18-11	805	soil	5	X	✓		X							✓ - HCl/D follow up per CC 3/24/11 mg
P04-12			02		812													
P04-15			03		0820			X			X							
P05-4			04		0901			X						X				
P05-8			05		0910													
P06-4			06		0933			X			X			X				
P06-8			07		0941			X			X							
P06-11			08		0945													
P07-3'			09		0958			X			X			X				
P07-8'			10		1011			X			X							
P08-4'			11		1052			X			X			X				
P08-8'			12		1105			X			X							
P08-11			13		1110													

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>CC</u>	Charles Cacer	Sound Earth	3-18-11	1325
Received by: <u>M Phan</u>	Phan Phan	FBI	3-18-11	1325
Relinquished by:				
Received by:		Samples received at	4 °C	

103243

SAMPLE CHAIN OF CUSTODY ME 03/18/11

VS3/B03

Send Report To Chuck Cacez

Company Sound Earth

Address 2811 Fairview Ave. E. Suite 200

City, State, ZIP Seattle WA 98102

Phone # 206 306 1900 Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

Jacobson Property
0789-002-01

PO #

REMARKS

GEMS Y /
N

Page # 2 of 2

TURNAROUND TIME

- Standard (2 Weeks)
- RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

- Dispose after 30 days
- Return samples
- Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED								Notes	
								H ₂ O NWTPH-DX	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Total Pb+As			
P09-41			14 ^A E	3-18-11	1147	Soil	5	X								X	Hold
P09-6.0			15 ^A E	↓	1156	d	d										↓

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-
 0000
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>Charles Cacez</u>	<u>Sound Earth</u>	<u>3-18-11</u>	<u>1325</u>
Received by: <u>[Signature]</u>	<u>Nhan Phan</u>	<u>FeBT</u>	<u>3-18-11</u>	<u>1325</u>
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
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March 24, 2011

Chuck Cacek, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cacek:

Included are the results from the testing of material submitted on March 16, 2011 from the SOU_0789-002-01_20110316, F&BI 103206 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0324R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 16, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0789-002-01_20110316, F&BI 103206 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
103206-01	P01-4
103206-02	P01-8
103206-03	P01-11
103206-04	P02-4
103206-05	P02-8
103206-06	P03-2
103206-07	P03-5
103206-08	P03-7
103206-09	P03-9

All quality control requirements were acceptable.

Date of Report: 03/24/11
 Date Received: 03/16/11
 Project: SOU_0789-002-01_20110316, F&BI 103206
 Date Extracted: 03/17/11
 Date Analyzed: 03/18/11

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
 Results Reported as Not Detected (ND) or Detected (D)**

**THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
 WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE
 INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT**

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
P01-4 103206-01	ND	ND	ND	111
P01-11 103206-03	ND	ND	ND	113
P02-4 103206-04	ND	ND	ND	112
P02-8 103206-05	ND	ND	ND	112
P03-5 103206-07	ND	ND	ND	115
P03-9 103206-09	ND	ND	ND	113
Method Blank 01-0451 MB	ND	ND	ND	110

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Analysis For Total Metals By EPA Method 200.8

Client ID:	P01-4	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0789-002-01_20110316, F&BI 103206
Date Extracted:	03/21/11	Lab ID:	103206-01
Date Analyzed:	03/23/11	Data File:	103206-01.035
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	92	60	125
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	3.52
Lead	10.2

Analysis For Total Metals By EPA Method 200.8

Client ID:	P03-5	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0789-002-01_20110316, F&BI 103206
Date Extracted:	03/21/11	Lab ID:	103206-07
Date Analyzed:	03/23/11	Data File:	103206-07.036
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	89	60	125
Holmium	98	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	7.94
Lead	77.1

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0789-002-01_20110316, F&BI 103206
Date Extracted:	03/21/11	Lab ID:	I1-194 mb
Date Analyzed:	03/23/11	Data File:	I1-194 mb.042
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Indium	69	60	125
Holmium	70	60	125

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Lead	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P01-4	Client: SoundEarth Strategies
Date Received: 03/16/11	Project: SOU_0789-002-01_20110316, F&BI 103206
Date Extracted: 03/18/11	Lab ID: 103206-01
Date Analyzed: 03/19/11	Data File: 031830.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
1,2-Dichloroethane-d4	99	42	158
Toluene-d8	97	42	159
4-Bromofluorobenzene	101	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P01-11	Client: SoundEarth Strategies
Date Received: 03/16/11	Project: SOU_0789-002-01_20110316, F&BI 103206
Date Extracted: 03/18/11	Lab ID: 103206-03
Date Analyzed: 03/19/11	Data File: 031841.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	42	158
Toluene-d8	97	42	159
4-Bromofluorobenzene	98	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P02-4	Client: SoundEarth Strategies
Date Received: 03/16/11	Project: SOU_0789-002-01_20110316, F&BI 103206
Date Extracted: 03/18/11	Lab ID: 103206-04
Date Analyzed: 03/19/11	Data File: 031831.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	158
Toluene-d8	99	42	159
4-Bromofluorobenzene	103	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P02-8	Client: SoundEarth Strategies
Date Received: 03/16/11	Project: SOU_0789-002-01_20110316, F&BI 103206
Date Extracted: 03/18/11	Lab ID: 103206-05
Date Analyzed: 03/19/11	Data File: 031832.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	42	158
Toluene-d8	96	42	159
4-Bromofluorobenzene	99	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P03-5	Client: SoundEarth Strategies
Date Received: 03/16/11	Project: SOU_0789-002-01_20110316, F&BI 103206
Date Extracted: 03/18/11	Lab ID: 103206-07
Date Analyzed: 03/19/11	Data File: 031833.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	42	158
Toluene-d8	95	42	159
4-Bromofluorobenzene	96	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: P03-9	Client: SoundEarth Strategies
Date Received: 03/16/11	Project: SOU_0789-002-01_20110316, F&BI 103206
Date Extracted: 03/18/11	Lab ID: 103206-09
Date Analyzed: 03/19/11	Data File: 031834.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	158
Toluene-d8	100	42	159
4-Bromofluorobenzene	101	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0789-002-01_20110316, F&BI 103206
Date Extracted:	03/18/11	Lab ID:	01-406 mb
Date Analyzed:	03/19/11	Data File:	031829.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	99	42	159
4-Bromofluorobenzene	98	36	160

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

Date of Report: 03/24/11

Date Received: 03/16/11

Project: SOU_0789-002-01_20110316, F&BI 103206

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 103244-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	4.63	105 b	116 b	44-151	10 b
Lead	mg/kg (ppm)	50	46.2	100 b	100 b	65-126	0 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	116	80-120
Lead	mg/kg (ppm)	50	101	81-120

Date of Report: 03/24/11

Date Received: 03/16/11

Project: SOU_0789-002-01_20110316, F&BI 103206

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 103203-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	30	10-171
Chloromethane	mg/kg (ppm)	2.5	<0.5	56	10-162
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	58	10-166
Bromomethane	mg/kg (ppm)	2.5	<0.5	71	10-165
Chloroethane	mg/kg (ppm)	2.5	<0.5	70	10-161
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	57	10-168
Acetone	mg/kg (ppm)	12.5	<0.5	40	20-155
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	82	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	81	21-149
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	88	39-139
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	81	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	85	30-114
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	82	17-150
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	92	36-111
Chloroform	mg/kg (ppm)	2.5	<0.05	91	39-114
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	95	24-153
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	90	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	95	27-119
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	89	26-118
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	92	22-123
Benzene	mg/kg (ppm)	2.5	<0.03	92	33-113
Trichloroethene	mg/kg (ppm)	2.5	<0.03	92	36-113
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	93	40-113
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	95	43-118
Dibromomethane	mg/kg (ppm)	2.5	<0.05	99	43-113
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	93	34-154
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	96	43-117
Toluene	mg/kg (ppm)	2.5	<0.05	93	38-139
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	95	44-140
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	95	38-146
2-Hexanone	mg/kg (ppm)	12.5	<0.5	101	37-150
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	92	47-133
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	91	29-117
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	98	46-116
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	98	44-139
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	93	41-114
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	95	38-120
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	99	43-120
m,p-Xylene	mg/kg (ppm)	5	<0.1	109	37-122
o-Xylene	mg/kg (ppm)	2.5	<0.05	102	39-121
Styrene	mg/kg (ppm)	2.5	<0.05	98	43-121
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	98	38-126
Bromoform	mg/kg (ppm)	2.5	<0.05	98	44-120
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	98	34-127
Bromobenzene	mg/kg (ppm)	2.5	<0.05	98	42-115
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	103	34-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	98	41-113
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	98	45-134
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	99	40-120
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	98	41-119
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	100	37-125
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	98	34-129
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	102	35-127
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	105	35-128
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	98	39-115
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	92	39-114
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	98	43-115
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	105	30-147
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	97	37-121
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	100	29-121
Naphthalene	mg/kg (ppm)	2.5	<0.05	102	12-168
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	101	11-172

Date of Report: 03/24/11

Date Received: 03/16/11

Project: SOU_0789-002-01_20110316, F&BI 103206

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	57	55	10-142	4
Chloromethane	mg/kg (ppm)	2.5	68	68	25-121	0
Vinyl chloride	mg/kg (ppm)	2.5	71	70	29-135	1
Bromomethane	mg/kg (ppm)	2.5	83	78	33-123	6
Chloroethane	mg/kg (ppm)	2.5	79	67	10-281	16
Trichlorofluoromethane	mg/kg (ppm)	2.5	84	80	13-151	5
Acetone	mg/kg (ppm)	12.5	98	89	10-151	10
1,1-Dichloroethene	mg/kg (ppm)	2.5	96	86	22-151	11
Methylene chloride	mg/kg (ppm)	2.5	89	83	42-144	7
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	102	98	62-124	4
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	88	92	60-125	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	95	66-123	0
2,2-Dichloropropane	mg/kg (ppm)	2.5	98	99	53-134	1
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	102	101	72-118	1
Chloroform	mg/kg (ppm)	2.5	100	100	71-123	0
2-Butanone (MEK)	mg/kg (ppm)	12.5	107	104	10-150	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	100	100	60-124	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	105	107	68-128	2
1,1-Dichloropropene	mg/kg (ppm)	2.5	97	100	71-123	3
Carbon tetrachloride	mg/kg (ppm)	2.5	105	106	64-136	1
Benzene	mg/kg (ppm)	2.5	98	99	69-122	1
Trichloroethene	mg/kg (ppm)	2.5	99	102	71-122	3
1,2-Dichloropropane	mg/kg (ppm)	2.5	101	101	71-120	0
Bromodichloromethane	mg/kg (ppm)	2.5	109	107	68-140	2
Dibromomethane	mg/kg (ppm)	2.5	109	108	72-121	1
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	104	99	10-150	5
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	104	105	74-126	1
Toluene	mg/kg (ppm)	2.5	98	102	72-122	4
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	105	70-131	0
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	103	102	70-122	1
2-Hexanone	mg/kg (ppm)	12.5	112	110	10-152	2
1,3-Dichloropropane	mg/kg (ppm)	2.5	102	101	72-121	1
Tetrachloroethene	mg/kg (ppm)	2.5	98	104	69-125	6
Dibromochloromethane	mg/kg (ppm)	2.5	110	111	68-130	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	110	109	72-121	1
Chlorobenzene	mg/kg (ppm)	2.5	97	100	69-125	3
Ethylbenzene	mg/kg (ppm)	2.5	99	104	72-130	5
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	107	109	69-133	2
m,p-Xylene	mg/kg (ppm)	5	113	119	72-131	5
o-Xylene	mg/kg (ppm)	2.5	107	111	71-129	4
Styrene	mg/kg (ppm)	2.5	102	105	73-132	3
Isopropylbenzene	mg/kg (ppm)	2.5	103	108	73-134	5
Bromoform	mg/kg (ppm)	2.5	113	110	68-129	3
n-Propylbenzene	mg/kg (ppm)	2.5	100	106	72-136	6
Bromobenzene	mg/kg (ppm)	2.5	103	107	73-125	4
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	107	111	72-132	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	106	104	67-116	2
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	104	67-123	0
2-Chlorotoluene	mg/kg (ppm)	2.5	102	106	72-130	4
4-Chlorotoluene	mg/kg (ppm)	2.5	100	105	73-129	5
tert-Butylbenzene	mg/kg (ppm)	2.5	102	108	71-130	6
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	100	106	70-132	6
sec-Butylbenzene	mg/kg (ppm)	2.5	104	110	71-134	6
p-Isopropyltoluene	mg/kg (ppm)	2.5	108	115	71-135	6
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	100	106	70-124	6
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	95	99	68-126	4
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	101	105	71-125	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	122	119	63-122	2
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	100	104	69-132	4
Hexachlorobutadiene	mg/kg (ppm)	2.5	101	112	68-121	0
Naphthalene	mg/kg (ppm)	2.5	107	108	60-125	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	106	109	68-121	3

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 – More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc – The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j – The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

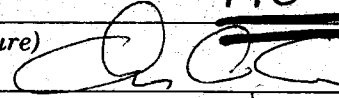
103206

SAMPLE CHAIN OF CUSTODY

ME 03/16/11

VS2/B03

Send Report To Charles Cacer
 Company Sound Earths Strategies
 Address 2811 Fairview Avenue E, So. F
 City, State, ZIP Seattle WA 98102
 Phone # 206-306-1900 Fax #

SAMPLERS (signature) 

PROJECT NAME/NO. 0789-002-01 PO #
Jacobson Property

REMARKS GEMS Y / N

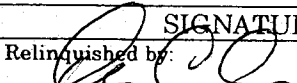
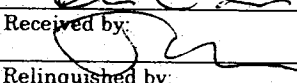
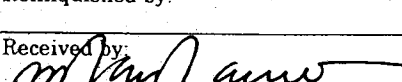
Page # 1 of 1

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 1 week
 Rush charges authorized by:

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED							Notes	
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	NWTPH-HClD		Total Lead and Arsenic
P01-4		4	01	3-15-11	0856	Soil	5				X			X	✓	✓-per CC3/15/11 MS
P01-8		8	02		0900						X			X		
P01-11		11	03		0906						X			X		
P02-4		4	04		0937						X			X		
P02-8		8	05		0948						X			X		
P03-2'		2	06		1023											
P03-5		5	07		1028						X			X	✓	
P03-7		7	08		1034											
P03-9		9	09		1040						X			X		
											Samples received at <u>4°C</u>					

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
	Charles Cacer	Sound Earths	3-16-11	
	Janine Kirby	Champion	3-16-11	2:25
	Nhan Phan	FEBI	3/16/11	1520

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 5, 2011

Chuck Cacek, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cacek:

Included are the results from the testing of material submitted on March 30, 2011 from the SOU_0789-002_20110330, F&BI 103397 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0405R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 30, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0789-002_20110330, F&BI 103397 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
103397-01	MW13-20110330

The 8260C calibration standard did not pass the acceptance criteria for bromomethane. The data were flagged accordingly.

Methylene chloride was detected in the 8260C method blank. The data were flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/05/11
Date Received: 03/30/11
Project: SOU_0789-002_20110330, F&BI 103397
Date Extracted: 03/30/11
Date Analyzed: 03/30/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
MW13-20110330 103397-01	<100	60
Method Blank 01-552 MB	<100	72

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/05/11
Date Received: 03/30/11
Project: SOU_0789-002_20110330, F&BI 103397
Date Extracted: 03/30/11
Date Analyzed: 03/31/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
MW13-20110330 103397-01	<50	<250	91
Method Blank 01-550 MB	<50	<250	88

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW13-20110330	Client:	SoundEarth Strategies
Date Received:	03/30/11	Project:	SOU_0789-002_20110330
Date Extracted:	03/31/11	Lab ID:	103397-01
Date Analyzed:	03/31/11	Data File:	033110.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	57	121
Toluene-d8	98	63	127
4-Bromofluorobenzene	103	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	1.2	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0789-002_20110330
Date Extracted:	03/31/11	Lab ID:	01-497 mb
Date Analyzed:	03/31/11	Data File:	033107.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	57	121
Toluene-d8	97	63	127
4-Bromofluorobenzene	105	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1 ca	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	8.2 ca lc jr	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/05/11

Date Received: 03/30/11

Project: SOU_0789-002_20110330, F&BI 103397

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 103397-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	84	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/05/11

Date Received: 03/30/11

Project: SOU_0789-002_20110330, F&BI 103397

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	81	79	58-134	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/05/11

Date Received: 03/30/11

Project: SOU_0789-002_20110330, F&BI 103397

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 103400-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<10	112	10-172
Chloromethane	ug/L (ppb)	50	<10	103	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	123	36-166
Bromomethane	ug/L (ppb)	50	<1	120	47-169
Chloroethane	ug/L (ppb)	50	<1	151	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	128	44-165
Acetone	ug/L (ppb)	250	<10	97	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	112	60-136
Methylene chloride	ug/L (ppb)	50	<5	110	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	3.5	106	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	104	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	108	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	111	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	112	71-127
Chloroform	ug/L (ppb)	50	<1	107	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	113	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	104	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	106	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	111	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	107	56-152
Benzene	ug/L (ppb)	50	<0.35	110	76-125
Trichloroethene	ug/L (ppb)	50	<1	106	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	112	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	113	61-150
Dibromomethane	ug/L (ppb)	50	<1	111	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	119	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	116	72-132
Toluene	ug/L (ppb)	50	<1	108	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	114	76-130
1,1,1,2-Trichloroethane	ug/L (ppb)	50	<1	108	68-131
2-Hexanone	ug/L (ppb)	250	<10	124	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	109	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	105	73-129
Dibromochloromethane	ug/L (ppb)	50	<1	114	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	113	69-134
Chlorobenzene	ug/L (ppb)	50	<1	107	77-122
Ethylbenzene	ug/L (ppb)	50	<1	109	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	111	73-137
m,p-Xylene	ug/L (ppb)	100	<2	110	69-135
o-Xylene	ug/L (ppb)	50	<1	114	68-137
Styrene	ug/L (ppb)	50	<1	114	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	114	65-142
Bromoform	ug/L (ppb)	50	<1	120	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	113	58-144
Bromobenzene	ug/L (ppb)	50	<1	111	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	113	66-137
1,1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	113	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	109	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	110	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	112	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	113	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	112	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	113	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	113	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	108	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	106	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	107	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	109	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	118	76-132
Hexachlorobutadiene	ug/L (ppb)	50	<1	109	60-143
Naphthalene	ug/L (ppb)	50	<1	122	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	121	69-148

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/05/11

Date Received: 03/30/11

Project: SOU_0789-002_20110330, F&BI 103397

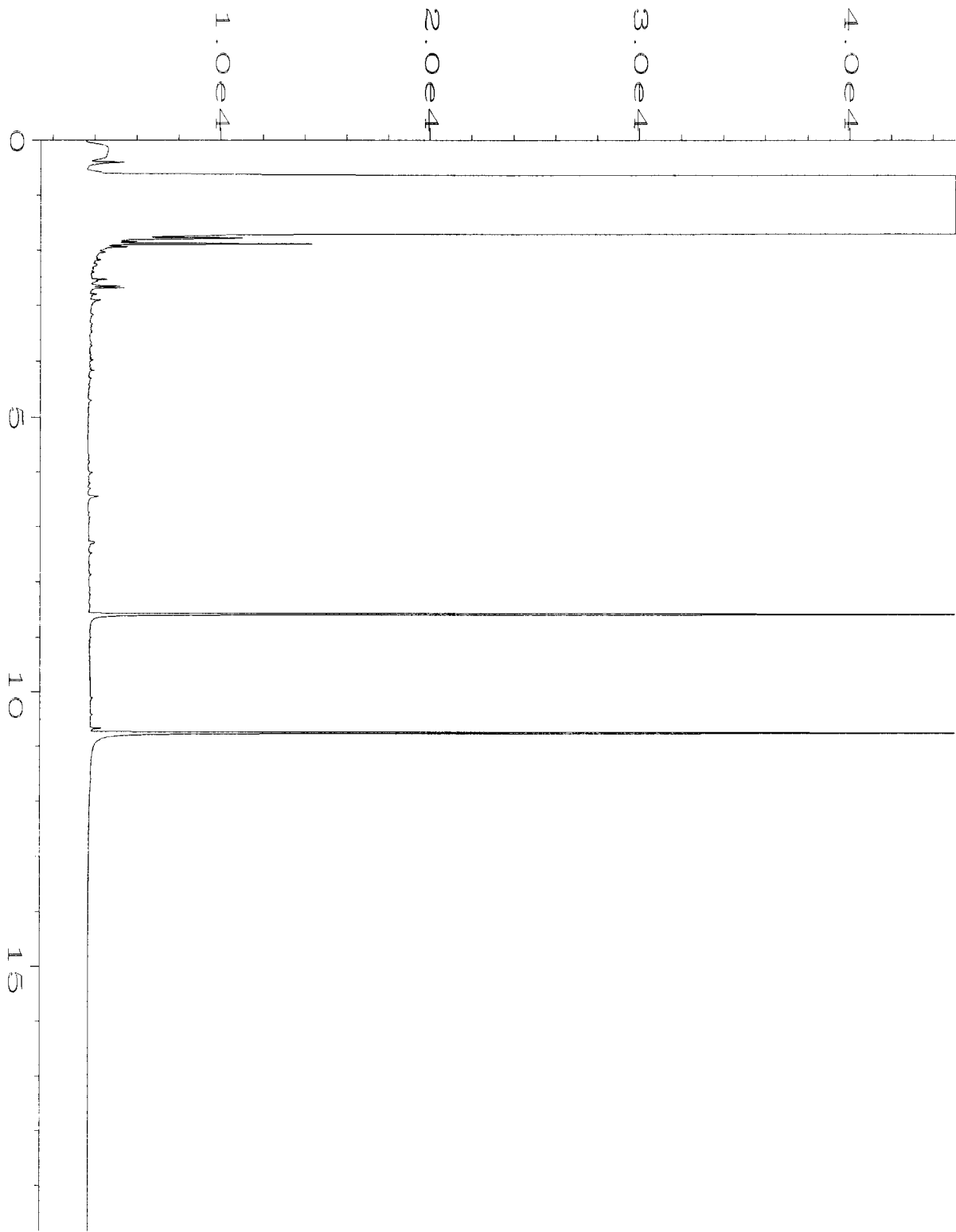
**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	108	103	25-158	5
Chloromethane	ug/L (ppb)	50	102	101	45-156	1
Vinyl chloride	ug/L (ppb)	50	98	109	50-154	11
Bromomethane	ug/L (ppb)	50	108	111	55-143	3
Chloroethane	ug/L (ppb)	50	121	133	58-146	9
Trichlorofluoromethane	ug/L (ppb)	50	105	122	50-150	15
Acetone	ug/L (ppb)	250	113	96	60-155	16
1,1-Dichloroethene	ug/L (ppb)	50	106	109	67-136	3
Methylene chloride	ug/L (ppb)	50	99	127	39-148	25 vo
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	109	107	64-147	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	106	103	68-128	3
1,1-Dichloroethane	ug/L (ppb)	50	104	104	79-121	0
2,2-Dichloropropane	ug/L (ppb)	50	121	125	55-143	3
cis-1,2-Dichloroethene	ug/L (ppb)	50	107	108	80-123	1
Chloroform	ug/L (ppb)	50	103	103	80-121	0
2-Butanone (MEK)	ug/L (ppb)	250	108	105	57-149	3
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	100	100	73-132	0
1,1,1-Trichloroethane	ug/L (ppb)	50	97	101	83-130	4
1,1-Dichloropropene	ug/L (ppb)	50	107	108	77-129	1
Carbon tetrachloride	ug/L (ppb)	50	106	106	75-158	0
Benzene	ug/L (ppb)	50	106	106	69-134	0
Trichloroethene	ug/L (ppb)	50	101	102	80-120	1
1,2-Dichloropropane	ug/L (ppb)	50	107	108	77-123	1
Bromodichloromethane	ug/L (ppb)	50	107	107	81-133	0
Dibromomethane	ug/L (ppb)	50	106	106	82-125	0
4-Methyl-2-pentanone	ug/L (ppb)	250	115	113	70-140	2
cis-1,3-Dichloropropene	ug/L (ppb)	50	115	116	82-132	1
Toluene	ug/L (ppb)	50	104	104	72-122	0
trans-1,3-Dichloropropene	ug/L (ppb)	50	114	115	80-136	1
1,1,2-Trichloroethane	ug/L (ppb)	50	104	105	75-124	1
2-Hexanone	ug/L (ppb)	250	118	115	64-152	3
1,3-Dichloropropane	ug/L (ppb)	50	105	105	76-126	0
Tetrachloroethene	ug/L (ppb)	50	103	103	76-121	0
Dibromochloromethane	ug/L (ppb)	50	110	111	84-133	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	108	109	82-125	1
Chlorobenzene	ug/L (ppb)	50	103	104	83-114	1
Ethylbenzene	ug/L (ppb)	50	106	106	77-124	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	107	107	84-127	0
m,p-Xylene	ug/L (ppb)	100	108	107	83-125	1
o-Xylene	ug/L (ppb)	50	112	110	86-121	2
Styrene	ug/L (ppb)	50	113	111	85-127	2
Isopropylbenzene	ug/L (ppb)	50	113	111	87-122	2
Bromoform	ug/L (ppb)	50	120	117	74-136	3
n-Propylbenzene	ug/L (ppb)	50	110	111	74-126	1
Bromobenzene	ug/L (ppb)	50	106	108	80-121	2
1,3,5-Trimethylbenzene	ug/L (ppb)	50	111	111	80-126	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	109	110	66-126	1
1,2,3-Trichloropropane	ug/L (ppb)	50	105	106	67-124	1
2-Chlorotoluene	ug/L (ppb)	50	106	108	77-127	2
4-Chlorotoluene	ug/L (ppb)	50	109	111	78-128	2
tert-Butylbenzene	ug/L (ppb)	50	110	111	85-127	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	111	110	82-125	1
sec-Butylbenzene	ug/L (ppb)	50	110	111	80-125	1
p-Isopropyltoluene	ug/L (ppb)	50	111	112	82-127	1
1,3-Dichlorobenzene	ug/L (ppb)	50	106	107	85-116	1
1,4-Dichlorobenzene	ug/L (ppb)	50	103	104	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	103	104	85-116	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	101	106	57-141	5
1,2,4-Trichlorobenzene	ug/L (ppb)	50	105	115	72-130	9
Hexachlorobutadiene	ug/L (ppb)	50	97	108	53-141	11
Naphthalene	ug/L (ppb)	50	108	116	64-133	7
1,2,3-Trichlorobenzene	ug/L (ppb)	50	105	114	65-136	8

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 – More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- fc – The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j – The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\6\DATA\03-31-11\007F0301.D	Page Number	: 1
Operator	: ML	Vial Number	: 7
Instrument	: GC #6	Injection Number	: 1
Sample Name	: 103397-01	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 31 Mar 11 09:56 AM	Analysis Method	: END.MTH
Report Created on:	01 Apr 11 10:25 AM		


103 397

SAMPLE CHAIN OF CUSTODY

ME 03-30-11

304 / 11

Send Report To C. Cacek
 Company Sound Earth Strategies
 Address 2811 Firwood Ave E Suite 2000
 City, State, ZIP Seattle, WA 98102
 Phone # 206 306 1960 Fax # 206 306 1967

SAMPLERS (signature) 

PROJECT NAME/NO. 0787-002 PO # _____

REMARKS 24 hour turn GEMS Y/N _____

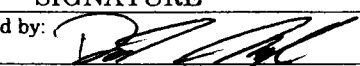

Page # _____ of _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24 hr
 Rush charges authorized by: CCC

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED							Notes	
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Full 8260		
MW13-2110330	MW13	40	01A-6	3/30/11	1040	H2O	37	X	X						X	

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	David Mendel	SES	3/30/11	1125
Received by: 	DO VD	FYBE	"	"
Relinquished by:				
Received by:		Samples received at 13 °C		