SoundEarth Strategies, Inc.
2811 Fairview Avenue East, Suite 2000
Seattle, Washington 98102

June 7, 2011

Mr. John D. Perine, Jr.
Perine Property LLC
2995 Woodside Road, Suite 400
Woodside, California 94062

SUBJECT: **PHASE II SUBSURFACE INVESTIGATION**
Perine Property
820 South Adams Street, Seattle, Washington
Job Number: 0783-001-02

Dear Mr. Perine:

SoundEarth Strategies, Inc. (SoundEarth) has prepared this letter report to present the results of the Phase II subsurface investigation conducted at the property located at 820 South Adams Street in Seattle, Washington (hereinafter referred to as the Property). The Property is shown on Figure 1. The purpose of the subsurface investigation was to perform a preliminary assessment of the potential risk for subsurface environmental impacts at the Property that may have resulted from the recognized environmental conditions (RECs) identified by SoundEarth in the *Phase I Environmental Site Assessment, Perine Company Property, 820 South Adams Street, Seattle, Washington*, prepared by SoundEarth and dated January 27, 2011 (Phase I). These RECs included the presence of a 1,000-gallon underground gasoline storage tank on the Property, the current and former use of the Property for industrial purposes, and the confirmed presence of impacts to soil and groundwater beneath the north- and south-adjacent properties.

The Phase II subsurface investigation was conducted in general accordance with the *Scope of Work and Cost Estimate, Phase II Subsurface Investigation, Perine Property, 820 South Adams Street, Seattle, Washington,* prepared by SoundEarth and dated March 3, 2011 (the Proposal). This letter report presents a brief discussion of the Property history, the field activities and results of the Phase II subsurface investigation, and SoundEarth's conclusions regarding the nature and extent of soil and groundwater impacts beneath the Property.

BACKGROUND

The Property contains a 1957-vintage warehouse building and an addition that was constructed in 1996 (Figure 2). The Property is currently zoned General Industrial 2 (City of Seattle Zoning Code IG2 U/85), which allows for general and heavy manufacturing, commercial uses (subject to some limits), high impact uses as a conditional use, institutional uses in existing buildings, entertainment uses (other than adult), transportation and utility services, and salvage and recycling uses.

As described in the Phase I report, the Property has been used as a winery, a beverage distribution company, a warehouse and machining shop, and an emergency response refurbishing operation. In

addition, several residences with suspected heating oil use and storage were historically located on the Property. According to documents gathered from the Seattle Department of Planning and Development, a 1,000-gallon underground storage tank (UST) was installed at the Property in 1957. The current owner and managers of the Property had no knowledge of its presence prior to the Phase I investigation. Upon inspection, the UST was discovered to be nearly filled with water and contained what appeared to be weathered gasoline. The UST was not in operation and had not been decommissioned.

According to reverse phone directories and archived tax records, Northwest Plating, an electroplating facility, operated on the north-adjoining property from the 1950s through the 1990s. A review of records at the Washington State Department of Ecology (Ecology) indicated that at least two subsurface investigations have been conducted on the Northwest Plating property. The available information included groundwater analytical data from four monitoring wells that were installed on the north, east, and west perimeters of that property. Chlorinated solvents and metals were detected at concentrations above the applicable Washington State Model Toxics Control Act (MTCA) Method A and/or B cleanup levels in groundwater collected from all four monitoring wells. Ecology documents indicated that the building's concrete floors were cracked, a possible source of direct contamination of soil. Additional potential sources of the contamination include two closed-in-place USTs found on the Property. According to water level measurements collected during the 1989 investigation by others, the Northwest Plating property is located in a crossgradient hydrologic position relative to the Property; however, considering the proximity to the Property, the confirmed impacts to soil and groundwater beneath the Northwest Plating property represent a potential issue of environmental concern to the Property.

According to subsurface investigations completed by the City of Seattle in 2009, widespread impacts to soil and groundwater from chlorinated solvents and petroleum hydrocarbons are present beneath the Former Sunny Jim property to the south of the Property. No definitive sources of solvent impacts were identified. Diesel-range petroleum hydrocarbon (DRPH) impacts beneath the Former Sunny Jim property appear to be the result of a leak originating from a former 4,000-gallon heating oil tank.

A subsurface investigation conducted by others in December 2010 at the Former Sunny Jim property included the collection of sub-slab soil samples, samples of manufactured materials, and soil samples collected from between floor cracks. Samples were analyzed for petroleum hydrocarbons, metals, volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and/or semi-volatile compounds. Analytical results indicated that concentrations of lead exceeded the MTCA Method A cleanup level in one sub-slab soil sample and one floor crack soil sample. A building material sample also contained an elevated concentration of lead. Oil-range petroleum hydrocarbons (ORPH) were detected in one floor crack soil sample at a concentration that exceeded the MTCA Method A cleanup level. PCBs were detected in manufactured building material samples. The remaining analytes were not detected at concentrations that exceed the laboratory reporting limits and/or the applicable MTCA Method A or B cleanup levels.

FIELD ACTIVITIES

SoundEarth conducted field activities at the Property on March 16 and 17 and April 12, 2011. Field activities included advancing seven direct-push borings at the Property, collecting soil and/or reconnaissance groundwater samples from the borings, analyzing the samples for chemicals of concern

(COCs), and conducting a UST site assessment. Prior to conducting the field activities, private and public utility locate services were used to identify the location of underground utilities and a ground-penetrating radar (GPR) survey was performed to locate the 1,000-gallon UST on the Property. Following receipt of the soil and groundwater laboratory results, the UST was closed in place. A detailed discussion of field activities is presented below.

Soil and Reconnaissance Groundwater Sampling

Field activities conducted during the Phase II subsurface investigation included collecting soil and/or reconnaissance groundwater samples from seven direct-push borings (P01 through P07) advanced at the Property (Figure 2). The locations of the borings were selected in an effort to address the following conditions:

- Borings P01 through P03 were advanced proximate to the UST to assess soil and groundwater quality in the vicinity of the UST and to comply with regulatory requirements associated with the in-place closure of the UST. Borings P01 through P03 were also used to evaluate potential impacts groundwater quality to the Property from the release of solvents and/or metals from the adjoining property to the north.
- Boring P04 was advanced near the northern Property boundary to evaluate potential impacts to soil and groundwater beneath the Property from releases of solvents and metals from the adjoining property to the north.
- Boring P05 was advanced in the metal cutting room/former truck storage area to evaluate the potential impacts to soil and groundwater from the release of solvents, metals, and petroleum hydrocarbons from historical operations in this area of the Property.
- Boring P06 was advanced on the southern exterior of the Property building to evaluate potential impacts to groundwater quality at the Property from releases of petroleum hydrocarbons and solvents from the property located to the south.
- Borings P07 was advanced in the central portion of the Property to evaluate the potential impacts to soil and groundwater from the release of solvents and petroleum hydrocarbons originating from historical operations at the Property and/or the north-adjacent property.

The Proposal also included advancing a boring in the northwest portion of the Property to evaluate the potential impacts to soil and groundwater originating from historical operations at the Property and/or the north-adjacent property; however, SoundEarth was unable to gain access to this portion of the Property at the time of field activities.

Prior to drilling, SoundEarth contacted the public utility location service and contracted with Underground Detection Services (UDS) of Seattle, Washington (a private utility location service) to clear the planned boring locations. SoundEarth also coordinated with UDS to perform a GPR survey to confirm the location and orientation of the UST prior to conducting subsurface activates in the area of the UST.

ESN Northwest, under the direction of SoundEarth, advanced the borings to a maximum depth of 15 feet below ground surface (bgs). Soil samples were collected from each boring at 4-foot sample depth intervals. One soil sample was collected from each 4-foot sample depth interval for chemical analysis. Soil textures were logged by a SoundEarth geologist in accordance with the Unified Soil Classification

System. Soil samples were also monitored for volatile organic vapor content using a photoionization detector (PID) and observed for evidence of contamination (e.g., odor, sheen, staining). A SoundEarth geologist recorded the soil and groundwater conditions encountered during drilling on the boring log forms.

At the time the borings were advanced, groundwater was encountered at an approximate depth of 13 feet bgs. Reconnaissance groundwater samples were collected from a 4-foot long polyvinyl chloride screen inserted in the annular space of the boring. Reconnaissance groundwater samples were collected from the approximate midpoint of the screened intervals using a peristaltic pump. After reconnaissance groundwater samples were collected, each boring was backfilled with bentonite chips and resurfaced to the original grade. Samples were labeled, placed on ice in a cooler, and transported to Friedman & Bruya, Inc., in Seattle, Washington (F&B), under standard chain-of-custody protocols for laboratory analysis.

Soil cuttings generated during the Phase II subsurface investigation were placed in a labeled 35-gallon drum. The analytical results of the soil samples will be used to develop a waste profile to evaluate the most cost-effective disposal alternatives for the wastes generated. SoundEarth will coordinate disposal of soil cuttings at the client's request. The drum is temporarily stored on the Property and should be removed within 90 days of the date of generation.

UST Closure

To locate the UST, a GPR survey was performed by UDS on March 16, 2011. The GRP survey identified the presence of the UST, its location, and its orientation. Prior to closing the UST in place, Borings P01 through P03 were advanced proximate to the UST and soil and reconnaissance groundwater samples were collected from the borings as part of the regulatory requirement for the in-place closure of the UST. SoundEarth completed the UST Closure and Site Assessment Notice and UST Site Assessment Checklist for closure of the UST in accordance with the *Guidance for Site Checks and Site Assessment for Underground Storage Tanks* prepared by Ecology and dated February 1991, revised May 30, 2003, Publication No. 90-52 (Ecology Guidance 2003).

Prior to closing the UST in place, SoundEarth submitted a 30-Day Notice to Ecology as required under the Washington State Underground Storage Tank Regulations as established in Section 386, of Chapter 360 of Title 173 of the Washington Administrative Code. On April 12, 2011, Spooner Contracting LLC, under the direction of SoundEarth, removed the fluids from the UST, triple rinsed the UST, and filled the UST with controlled density fill (CDF). In-place closure of the UST was inspected by the City of Seattle Fire Department. A marine chemist with Sound Testing, Inc., confirmed the UST was rendered inert prior to filling with CDF. Documentation associated with closure of the UST is presented in Attachment A.

Soil and Reconnaissance Groundwater Sample Laboratory Analyses

One soil and one reconnaissance groundwater sample collected from each boring were submitted for laboratory analyses, with the exception of Boring P06 where only a reconnaissance groundwater sample was collected and analyzed for COCs. The soil sample submitted for chemical analysis from each boring was selected based on field observations, field screening readings, depth to groundwater measurement, and/or the location of the boring relative to the potential source of impacts. Chemical analyses for soil and reconnaissance groundwater samples collected from each boring were as follows:

- Soil samples collected from Borings P01 through P03 were analyzed for gasoline-range petroleum hydrocarbons (GRPH) using Northwest Total Petroleum Hydrocarbon (NWTPH) Method NWTPH-Gx, for DRPH and ORPH using Method NWTPH-Dx, and for VOCs (including benzene, toluene, ethylbenzene, and total xylenes [BTEX]) using the U.S. Environmental Protection Agency (EPA) Method 8260C. In addition, reconnaissance groundwater samples collected from Borings P01 through P03 were analyzed for Resource Conservation and Recovery Act (RCRA) 8 Metals by EPA Method 200.8/1621E.

  The Proposal called for the analysis of reconnaissance groundwater samples collected from Borings P01 through P03 for GRPH using Method NWTPH-Gx and DRPH and ORPH using Method NWTPH-Dx. However, based on guidance presented in Ecology Guidance 2003, SoundEarth did not analyze reconnaissance groundwater samples collected from Borings P01 through P03 for GRPH , DRPH, or ORPH because the lowest point of the UST was not located in contact with groundwater; field screening did not indicate the presence of contamination; there are no existing monitoring wells at the Property available for sampling; physical conditions did not prevent the collection of soil samples; and conditions associated with the site check did not suggest that immediate assessment of the groundwater conditions was necessary to protect human health.

- Soil and reconnaissance groundwater samples collected from Boring P04 were analyzed for VOCs using EPA Method 8260C and RCRA 8 Metals by EPA Method 200.8/1621E.
- Soil and reconnaissance groundwater samples collected from Boring P05 were analyzed for GRPH using Method NWTPH-Gx, DRPH and ORPH using Method NWTPH-Dx, VOCs using EPA Method 8260C, and RCRA 8 Metals by EPA Method 200.8/1621E.
- A reconnaissance groundwater sample collected from Boring P06 was analyzed for GRPH using Method NWTPH-Gx, DRPH and ORPH using Method NWTPH-Dx, and VOCs using EPA Method 8260C.
- Soil and reconnaissance groundwater samples collected from Boring P07 were analyzed for GRPH using Method NWTPH-Gx, DRPH and ORPH using Method NWTPH-Dx, and VOCs using EPA Method 8260C.

SUBSURFACE CONDITIONS AND ANALYTICAL RESULTS

General soil conditions at the Property consist of fill material composed of damp, fine to medium sand with trace silt from the near surface to depths of 7 to 9 feet bgs. From 9 to 15 feet bgs, the soil consists of damp to wet, fine to medium sand with trace silt. PID readings from soil samples were generally less than 10 parts per million per volume (ppmv) and ranged from 0.0 to 31.3 ppmv. The highest PID reading was detected in the soil sample collected from Boring P04 at a depth of 8 feet bgs. Boring logs are presented in Attachment B.

At the time of drilling, groundwater in the borings was encountered at a depth of approximately 13 feet bgs. The groundwater flow direction at the Property could not be established due to the absence of monitoring wells at the Property; however, based on groundwater elevations measured in March 1989 at monitoring wells installed at the former Northwest Plating facility located on the north-adjoining property, the groundwater flow direction in the vicinity of the Property is to the northwest.

Analytical results for soil and reconnaissance groundwater samples are discussed below. Soil and reconnaissance groundwater analytical results are presented in Tables 1 through 6. Analytical results for petroleum hydrocarbons and for selected VOCs are shown on Figures 2 and 3.

- Concentrations of tetrachloroethene (PCE) and trichloroethene (TCE) exceeded the applicable MTCA Methods A cleanup levels in a soil sample collected from Boring B04 at a depth of 8 feet bgs. Boring B04 was advanced near the northern Property boundary (Figure 3, Table 1).
- A concentration of TCE exceeded the MTCA Method A cleanup level in a soil sample collected from Boring B07 at a depth of 9 feet bgs. Boring B07 was advanced in the central portion of the Property (Figure 3, Table 1).
- Concentrations of petroleum hydrocarbons, RCRA 8 metals, and/or VOCs in all remaining soil samples collected at the Property, with the exception of concentrations of PCE and TCE in soil samples collected from Borings B04 and B07, did not exceed their respective laboratory lower reporting limits and/or the applicable MTCA Method A and/or B cleanup levels (Tables 1, 3, and 5).
- Concentrations of methylene chloride in reconnaissance groundwater samples collected from Borings P01, P02, P05, and P07 slightly exceeded the MTCA Method B cleanup level. However, according to F&B, the presence of methylene chloride in the samples can be attributed to laboratory contamination (Table 2) and is not representative of actual groundwater conditions.
- Concentrations of GRPH, DRPH, ORPH, VOCs, and/or RCRA 8 metals in reconnaissance groundwater samples did not exceed their respective laboratory lower reporting limits and/or the applicable MTCA Methods A or B cleanup levels (Figure 2; Tables 2, 4, and 6).

Laboratory reports are presented in Attachment C.

UST CLOSURE

As part of the regulatory closure of the UST, SoundEarth conducted a UST site assessment to evaluate whether a release of petroleum hydrocarbons had occurred from the UST installed at the Property. The site assessment was conducted in accordance with Ecology Guidance 2003 by advancing Borings P01 through P03 proximate to the UST and collecting soil and reconnaissance groundwater samples from each boring.

Analytical results from the UST site assessment indicated that none of the soil or reconnaissance groundwater samples collected from Borings P01 through P03 contained concentrations of petroleum hydrocarbons or associated BTEX constituents that exceeded their respective laboratory lower reporting limits (Figures 2 and 3, Tables 3 and 4). Laboratory reports are presented in Attachment C. Additional regulatory information required for the UST closure and site assessment are documented in the UST Closure and Site Assessment Notice and UST Site Assessment Checklist presented in Attachment D.

CONCLUSIONS

The results of the Phase II subsurface investigation conducted at the Property indicate that soil samples collected from **Borings** P04 and P07, located beneath the north-central portion of the Property, contained concentrations of PCE and/or TCE that exceed the applicable MTCA Method A cleanup levels. None of the soil or groundwater samples collected from borings advanced at other locations on the Property contained elevated concentrations of petroleum hydrocarbons, solvents, or metals. The concentrations of PCE and TCE detected in soil beneath the Property decrease with distance from the north-adjoining property, which has been contaminated by releases of solvents and metals from a former plating facility that operated on that property. As such, the soil contamination encountered beneath the Property appears to be the result of impacts that have migrated from the north-adjoining property.

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with Perine Property LLC. This report is solely for the use of Perine Property LLC unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Findings and conclusions contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others or the use of segregated portions of this report.

CLOSING

SoundEarth appreciates this opportunity to provide Perine Property LLC with environmental consulting services. Please call either of the undersigned at (206) 306-1900 if you have any questions or comments regarding the content of this report

Respectfully,

SoundEarth Strategies, Inc.

Thomas Cammarata, LHG #196
Senior Geochemist

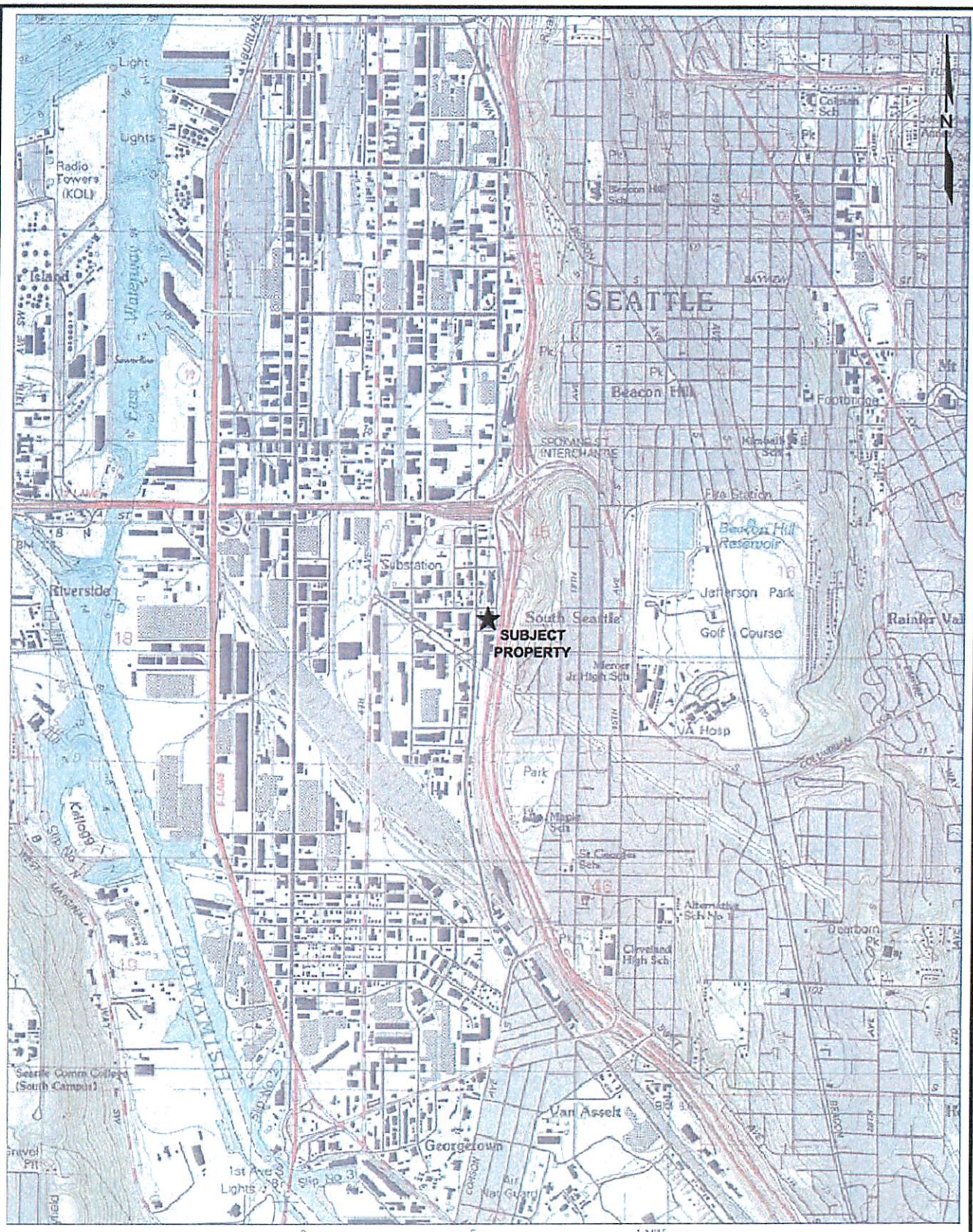
Ryan Bixby, LG #1691
Environmental Division President

State of Washington
Hydrogeologist
196
Licensed Geologist
Thomas J. Cammarata

Attachments: Figure 1, Property Location Map
Figure 2, Groundwater Analytical Results
Figure 3, Soil Analytical Results
Table 1, Summary of Soil Analytical Data, Chlorinated Volatile Organic Compounds
Table 2, Summary of Reconnaissance Groundwater Analytical Data, Chlorinated Volatile Organic Compounds
Table 3, Summary of Soil Analytical Data, Total Petroleum Hydrocarbons
Table 4, Summary of Reconnaissance Groundwater Analytical Data, Total Petroleum Hydrocarbons
Table 5, Summary of Soil Analytical Data, RCRA 8 Metals
Table 6, Summary of Reconnaissance Groundwater Analytical Data, RCRA 8 Metals
Attachment A, UST Closure Documentation
Attachment B, Boring Logs
Attachment C, Laboratory Analytical Reports
Friedman & Bruya, Inc. #103196
Friedman & Bruya, Inc. #103218
Attachment D, UST Closure and Site Assessment Notice and UST Site Assessment Checklist

TJC:dnm/syh

FIGURES



SoundEarth Strategies WWW.SOUNDEARTHINC.COM	DATE: .....01/07/11 DRAWN BY:.....NAC CHECKED BY:.....RKB CAD FILE:.....0783-001_Fig1_VIC	PROJECT NAME: .....PERINE PROPERTY PROJECT NUMBER: .....0783-001 STREET ADDRESS:.....820 SOUTH ADAMS STREET CITY, STATE:.....SEATTLE, WASHINGTON	**FIGURE 1** PROPERTY LOCATION MAP

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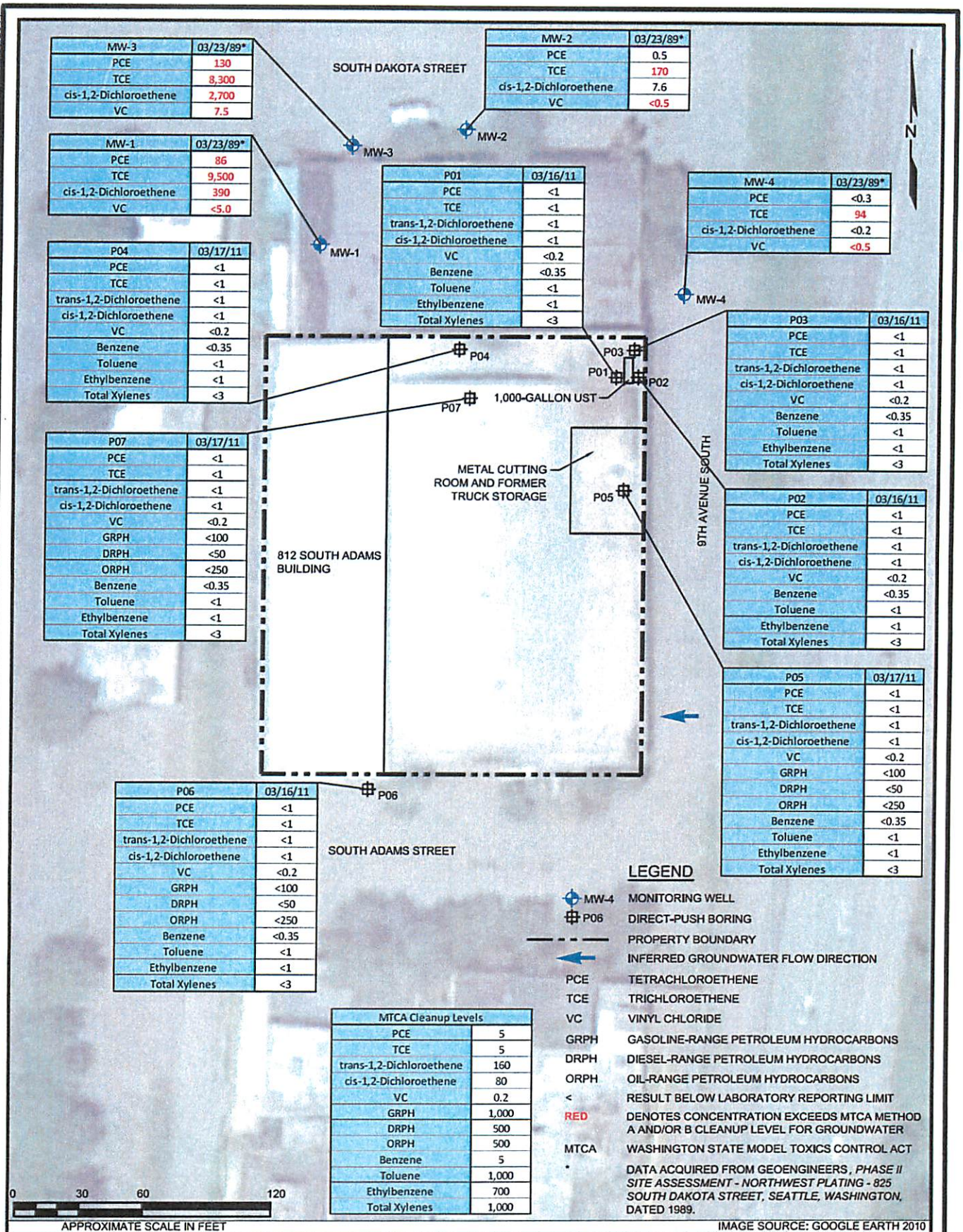
SOURCEWORKENTAL.COM



MW-3	03/23/89*
PCE	130
TCE	8,300
cis-1,2-Dichloroethene	2,700
VC	7.5

MW-2	03/23/89*
PCE	0.5
TCE	170
cis-1,2-Dichloroethene	7.6
VC	<0.5

MW-1	03/23/89*
PCE	86
TCE	9,500
cis-1,2-Dichloroethene	390
VC	<5.0

P01	03/16/11
PCE	<1
TCE	<1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
VC	<0.2
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3

MW-4	03/23/89*
PCE	<0.3
TCE	94
cis-1,2-Dichloroethene	<0.2
VC	<0.5

P04	03/17/11
PCE	<1
TCE	<1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
VC	<0.2
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3

P03	03/16/11
PCE	<1
TCE	<1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
VC	<0.2
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3

P07	03/17/11
PCE	<1
TCE	<1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
VC	<0.2
GRPH	<100
DRPH	<50
ORPH	<250
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3

P02	03/16/11
PCE	<1
TCE	<1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
VC	<0.2
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3

P05	03/17/11
PCE	<1
TCE	<1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
VC	<0.2
GRPH	<100
DRPH	<50
ORPH	<250
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3

P06	03/16/11
PCE	<1
TCE	<1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
VC	<0.2
GRPH	<100
DRPH	<50
ORPH	<250
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
Total Xylenes	<3

MTCA Cleanup Levels	
PCE	5
TCE	5
trans-1,2-Dichloroethene	160
cis-1,2-Dichloroethene	80
VC	0.2
GRPH	1,000
DRPH	500
ORPH	500
Benzene	5
Toluene	1,000
Ethylbenzene	700
Total Xylenes	1,000

LEGEND

- MW-4 — MONITORING WELL
- P06 — DIRECT-PUSH BORING
- PROPERTY BOUNDARY
- INFERRED GROUNDWATER FLOW DIRECTION
- PCE — TETRACHLOROETHENE
- TCE — TRICHLOROETHENE
- VC — VINYL CHLORIDE
- GRPH — GASOLINE-RANGE PETROLEUM HYDROCARBONS
- DRPH — DIESEL-RANGE PETROLEUM HYDROCARBONS
- ORPH — OIL-RANGE PETROLEUM HYDROCARBONS
- < — RESULT BELOW LABORATORY REPORTING LIMIT
- RED — DENOTES CONCENTRATION EXCEEDS MTCA METHOD A AND/OR B CLEANUP LEVEL FOR GROUNDWATER
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT
- * — DATA ACQUIRED FROM GEOENGINEERS, *PHASE II SITE ASSESSMENT - NORTHWEST PLATING - 825 SOUTH DAKOTA STREET, SEATTLE, WASHINGTON*, DATED 1989.

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DATE: 04/06/11
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CAD FILE: 0783_2011Phase_II_GD

PROJECT NAME: PERINE PROPERTY
PROJECT NUMBER: 0783-001
STREET ADDRESS: 820 SOUTH ADAMS STREET
CITY, STATE: SEATTLE, WASHINGTON

FIGURE 2
GROUNDWATER ANALYTICAL RESULTS

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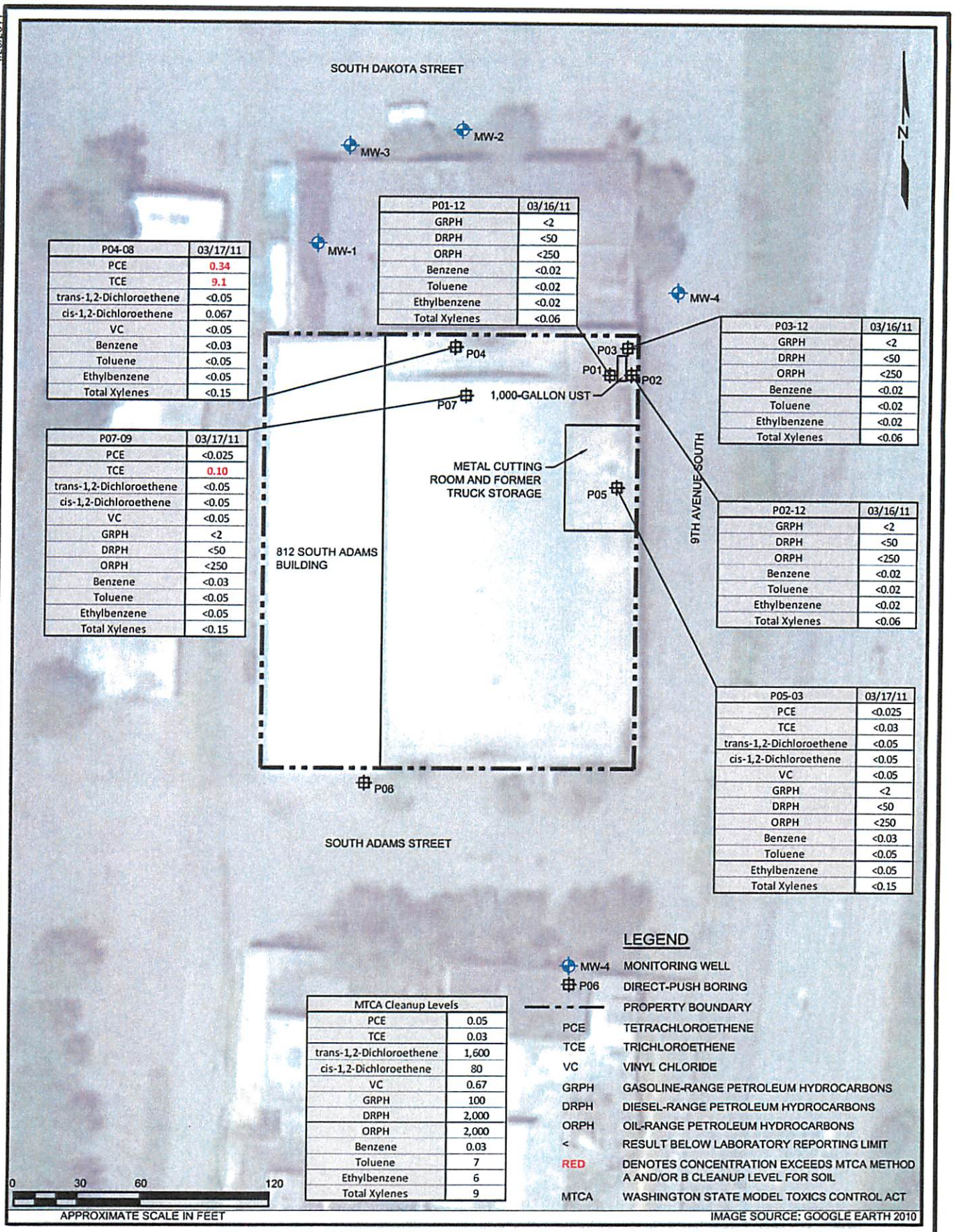

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CHECKED BY: RKB
CAD FILE: 0783_2011Phase_II_SD

PROJECT NAME: PERINE PROPERTY
PROJECT NUMBER: 0783-001
STREET ADDRESS: 820 SOUTH ADAMS STREET
CITY, STATE: SEATTLE, WASHINGTON

FIGURE 3
SOIL ANALYTICAL RESULTS

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TABLES

SoundEarth Strategies

Table 1
Summary of Soil Analytical Data
Chlorinated Volatile Organic Compounds
Perine Property
820 South Adams Street
Seattle, Washington

Sample ID	Sample Date	Sample Depth (feet)	Analytical Results[1] (milligrams per kilogram)											
			Tetrachloroethene	Trichloroethene	trans-1,2-Dichloroethene	cis-1,2- Dichloroethene	Vinyl Chloride	Chloroethane	1,1-Dichloroethene	Methylene Chloride	1,1-Dichloroethane	1,2-Dichloroethane	1,1,1- Trichloroethane	1,2-Dichloropropane
P04-08	03/17/11	8	0.34	9.1	<0.05	0.067	<0.05	<0.5	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
P05-03	03/17/11	3	<0.025	<0.03	<0.05	<0.05	<0.05	<0.5	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
P07-09	03/17/11	9	<0.025	0.10	<0.05	<0.05	<0.05	<0.5	<0.05	<0.5	<0.05	<0.05	<0.05	<0.05
MTCA Cleanup Level			**0.05[a]**	**0.03[a]**	**1,600[b]**	**80[b]**	**0.67[b]**	**350[b]**	**NE**	**0.02[a]**	**8,000[c]**	**11[b]**	**2[a]**	**15[b]**

NOTES:

Red denotes concentration exceeds MTCA cleanup level for groundwater.

Samples analyzed by Friedman & Bruya, Inc. of Seattle, Washington, and by Analytical Resources, Incorporated and/or Onsite Enivronmental, Inc. of Redmond, Washington.

[1]Analyzed by EPA Method 8260B.

[a]MTCA Method A Groundwater Soil Cleanup Level, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[b]CLARC Soil MTCA Method B Carcinogenic and Non-carcinogenic Standard Formula, Unrestricted Land Use.

[c]EPA and State of Washington Maximum Contaminant Level.

< = not detected at concentrations exceeding the laboratory reporting limit

CLARC = Cleanup Levels and Risk Calculations

EPA = U.S. Environmental Protection Agency

MTCA = Washington State Model Toxics Control Act

NE = not established

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Table 2
Summary of Reconnaissance Groundwater Analytical Data
Chlorinated Volatile Organic Compounds
Perine Property
820 South Adams Street
Seattle, Washington

Sample ID	Sample Date	Analytical Results[1] (micrograms per liter)											
		Tetrachloroethene	Trichloroethene	trans-1,2-Dichloroethene	cis-1,2- Dichloroethene	Vinyl Chloride	Chloroethane	1,1-Dichloroethene	Methylene Chloride	1,1-Dichloroethane	1,2-Dichloroethane	1,1,1- Trichloroethane	1,2-Dichloropropane
20110316-P01	03/16/11	<1	<1	<1	<1	<0.2	<1	<1	5.8[lc]	<1	<1	<1	<1
20110316-P02	03/16/11	<1	<1	<1	<1	<0.2	<1	<1	5.1[lc]	<1	<1	<1	<1
20110316-P03	03/16/11	<1	<1	<1	<1	<0.2	<1	<1	<5	<1	<1	<1	<1
20110317-P04	03/17/11	<1	<1	<1	<1	<0.2	<1	<1	<5[ca]	<1	<1	<1	<1
20110317-P05	03/17/11	<1	<1	<1	<1	<0.2	<1	<1	5.3[ca, lc]	<1	<1	<1	<1
20110316-P06	03/16/11	<1	<1	<1	<1	<0.2	<1	<1	<5	<1	<1	<1	<1
20110317-P07	03/17/11	<1	<1	<1	<1	<0.2	<1	<1	5.9[ca,lc]	<1	<1	<1	<1
MTCA Cleanup Level		**5[a]**	**5[a]**	**160[b]**	**80[b]**	**0.2[a]**	**15[b]**	**400[b]**	**5[a]**	**1,600[b]**	**5[a]**	**200[a]**	**5[c]**

NOTES:

Red denotes concentration exceeds MTCA cleanup level for groundwater.

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

[1]Analyzed by EPA Method 8260C.

[a]MTCA Method A Groundwater Cleanup Level, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[b]CLARC Groundwater MTCA Method B Carcinogenic and Non-carcinogenic Standard Formula, Unrestricted Land Use.

[c]EPA and State of Washington Maximum Contaminant Level.

< = not detected at concentrations exceeding the laboratory reporting limit

CLARC = Cleanup Levels and Risk Calculations

EPA = U.S. Environmental Protection Agency

MTCA = Washington State Model Toxics Control Act

Laboratory Notes:

[ca]The calibration results on this range fell outisde of acceptance criteria. The value reported is an estimate.

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

SoundEarth Strategies

Table 3
Summary of Soil Analytical Data
Total Petroleum Hydrocarbons
Perine Property
820 South Adams Street
Seattle, Washington

Sample ID	Sample Date	Sample Depth (feet)	Analytical Results (milligrams per kilogram)						
			GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
P01-12	03/16/11	12	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
P02-12	03/16/11	12	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
P03-12	03/16/11	12	<2	<50	<250	<0.02	<0.02	<0.02	<0.06
P04-08	03/17/11	8	--	--	--	<0.03	<0.05	<0.05	<0.15
P05-03	03/17/11	3	<2	<50	<250	<0.03	<0.05	<0.05	<0.15
P07-09	03/17/11	9	<2	<50	<250	<0.03	<0.05	<0.05	<0.15
MTCA Cleanup Level[4]			**100**	**2,000**	**2,000**	**0.03**	**7**	**6**	**9**

NOTES:

Red denotes concentration exceeds MTCA cleanup level for groundwater.

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

[1]Analyzed by Northwest Method NWTPH-Gx.

[2]Analyzed by Northwest Method NWTPH-Dx.

[3]Analyzed by EPA Method 8260C or EPA Method 8021B.

[4]MTCA Method A Soil Cleanup Level, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

< = not detected at concentrations exceeding the laboratory reporting limit

- -= not analyzed

DRPH = diesel-range petroleum hydrocarbons

EPA = U.S. Environmental Protection Agency

GRPH = gasoline-range petroleum hydrocarbons

ORPH = oil-range petroleum hydrocarbons

MTCA = Washington State Model Toxics Control Act

NWTPH = Northwest Total Petroleum Hydrocarbons

SoundEarth Strategies

Table 4
Summary of Reconnaissance Groundwater Analytical Data
Total Petroleum Hydrocarbons
Perine Property
820 South Adams Street
Seattle, Washington

Sample ID	Sample Date	Analytical Results (micrograms per liter)						
		GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]
20110316-P01	03/16/11	--	--	--	<0.35	<1	<1	<3
20110316-P02	03/16/11	--	--	--	<0.35	<1	<1	<3
20110316-P03	03/16/11	--	--	--	<0.35	<1	<1	<3
20110317-P04	03/17/11	--	--	--	<0.35	<1	<1	<3
20110317-P05	03/17/11	<100	<50	<250	<0.35	<1	<1	<3
20110316-P06	03/16/11	<100	<50	<250	<0.35	<1	<1	<3
20110317-P07	03/17/11	<100	<50	<250	<0.35	<1	<1	<3
MTCA Cleanup Level[4]		**1,000**	**500**	**500**	**5**	**1,000**	**700**	**1,000**

NOTES:

Red denotes concentration exceeds MTCA cleanup level for groundwater.

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

[1]Analyzed by Northwest Method NWTPH-Gx.

[2]Analyzed by Northwest Method NWTPH-Dx.

[3]Analyzed by EPA Method 8260C.

[4]MTCA Method A Groundwater Cleanup Level, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

< = not detected at concentrations exceeding the laboratory reporting limit

-- = not analyzed

DRPH = diesel-range petroleum hydrocarbons

EPA = U.S. Environmental Protection Agency

GRPH = gasoline-range petroleum hydrocarbons

MTCA = Washington State Model Toxics Control Act

ORPH = oil-range petroleum hydrocarbons

SoundEarth Strategies

Table 5
Summary of Soil Analytical Data
RCRA 8 Metals
Perine Property
820 South Adams Street
Seattle, Washington

Sample ID	Sample Date	Sample Depth (feet)	Analytical Results (milligrams per kilogram)							
			Chromium[1]	Arsenic[1]	Selenium[1]	Silver[1]	Cadmium[1]	Barium[1]	Lead[1]	Mercury[2]
P04-08	03/17/11	8	12.6	7.86	<1	<1	<1	94.3	98.7	<0.2
P05-03	03/17/11	3	16.7	2.84	<1	<1	<1	56.8	3.21	<0.2
MTCA Cleanup Level			**2,000[a]**	**20[a]**	**400[b]**	**400[b]**	**2[a]**	**16,000[b]**	**250[a]**	**2[a]**

NOTES:

Red denotes concentration exceeds MTCA cleanup level for groundwater.

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

[1]Analyzed by EPA Method 200.8.

[2]Analyzed by EPA Method 1631E.

[a]MTCA Method A Soil Cleanup Level, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[b]CLARC Soil MTCA Method B Carcinogenic and Non-carcinogenic Standard Formula, Unrestricted Land Use.

< = not detected at concentrations exceeding the laboratory reporting limit

CLARC = Cleanup Levels and Risk Calculations

EPA = U.S. Environmental Protection Agency

MTCA = Washington State Model Toxics Control Act

RCRA - Resource Conservation and Recovery Act

SoundEarth Strategies

Table 6
Summary of Reconnaissance Groundwater Analytical Data
RCRA 8 Metals
Perine Property
820 South Adams Street
Seattle, Washington

Sample ID	Sample Date	Analytical Results (micrograms per liter)							
		Chromium[1]	Arsenic[1]	Selenium[1]	Silver[1]	Cadmium[1]	Barium[1]	Lead[1]	Mercury[2]
20110316-P01	03/16/11	<1	<1	1.56	<1	<1	42.6	<1	<0.2
20110316-P02	03/16/11	<1	<1	1.31	<1	<1	46.8	<1	<0.2
20110316-P03	03/16/11	<1	<1	1.11	<1	<1	48.1	<1	<0.2
20110317-P04	03/17/11	2.92	<1	<1	<1	2.32	23.4	<1	<0.2
20110317-P05	03/17/11	<1	1.24	<1	<1	<1	26.4	<1	<0.2
MTCA Cleanup Level		**50[a]**	**5[a]**	**80[b]**	**80[b]**	**5[a]**	**3,200[b]**	**15[a]**	**2[a]**

NOTES:

Red denotes concentration exceeds MTCA cleanup level for groundwater.

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

[1]Analyzed by EPA Method 200.8.

[2]Analyzed by EPA Method 1631E.

[a]MTCA Method A Groundwater Cleanup Level, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[b]CLARC Groundwater MTCA Method B Carcinogenic and Non-carcinogenic Standard Formula, Unrestricted Land Use.

< = not detected at concentrations exceeding the laboratory reporting limit

CLARC = Cleanup Levels and Risk Calculations

EPA = U.S. Environmental Protection Agency

MTCA = Washington State Model Toxics Control Act

ATTACHMENT A

UST Closure Documentation

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
30 DAY NOTICE

See back of form for instructions

Please ✓ the appropriate box: ☐ Intent to Install ☒ Intent to Close ☐ Both

RECEIVED
MAR 17 2011
Dept of Ecology
Toxics Cleanup Program

FOR OFFICE USE ONLY
Site ID #:
FS ID #:

VALIDATED
MAR 17 2011

Site Information

UBI Number N/A

Site/Business Name The Perihe / Danforth Co.

Site Address 820 South Adams Street
Street

City/State Seattle, WA

Zip Code 98108 Telephone (206) 682-9755

Owner Information

(This form will be returned to this address)

UST Owner/Operator The Perihe ~~Danforth Co.~~ Property LLC
"The Perihe Property LLC"

Mailing Address 2995 Woodside Rd suite 400
Street

P.O. Box

City/State Woodside, CA

Zip Code 94062 Telephone (650) 504-6925

Tank Installation Company (if known). Fill out this section ONLY if tanks are being installed.

Service Company _____ Contact Name _____

Address _____
Street P.O. Box

_____ Telephone (___) _____
City State Zip Code

Tank Permanent Closure Company (if known). Fill out this section ONLY if tanks are being closed.

Service Company Sound Earth Strategies Contact Name Tom Cammarata

Address 2811 Fairview Ave E suite 2000
Street P.O. Box

Seattle WA 98102 Telephone (206) 306-1900
City State Zip Code

Tank Closure Information

Fill out this section ONLY if tanks are being closed.

Tank ID	Projected Closure Date	Tank Capacity	Substance Stored	Date Tank Last Used	Is There Product In the Tank (Yes/No)	If No, Date Tank Was Pumped
#1	April, 2011	1,000-gal	gas/he	1962	Yes	

Tank Installation Information

Fill out this section ONLY if tanks are being installed.

Tank ID	Approx. Install Date

ECY 020-95 (Rev. 01-06)

TUE 04/12/11 10AM SK

~~Your~~
Seattle
Fire Department

RECEIVED
MAR 16 2011
PERMIT SECTION

SEATTLE FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
16 MAR 11 13 16

APPLICATION FOR TEMPORARY PERMIT

Code 7908 Commercial Tank Removal/Decommissioning

Permit Fee: $208.00

Date Issued: 4/12/11

Tank(s) must be removed from site same day as permit issued!

TO BE COMPLETED BY PERMIT APPLICANT (PLEASE PRINT)

FIRM NAME SoundEarth Strategies Inc

MAILING ADDRESS 2811 Fairview Avenue East SUITE 2000

CITY Seattle STATE WA ZIP 98102

OPERATION ADDRESS 820 South ~~Dakota~~ Adams Street, Seattle, WA

CONTACT PERSON Tom Cammarata PHONE NUMBER (206) 306-1900 (ext 140)

Number of Tank(s): 1 Tank Size(s): 1,000-gal ☐ Aboveground tank

Product(s) Previously Contained: gasoline ☑ Underground tank

☐ Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents)

☒ Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and unknowns)

Hot work being conducted?: ☒ No ☐ Yes (If yes, a separate hot work permit is required)

Please include a check made payable to the CITY OF SEATTLE with this application.

Permit applications may be submitted in person weekdays from 8:00 a.m. to 4:30 p.m., or mailed to:

Seattle Fire Department
Fire Marshal's Office—Permits ← send to
220 Third Avenue South, Second Floor
Seattle, WA 98104-2608

Permit processing: (206) 386-1450
www.seattle.gov/fire

Call 386-1450, at least 24 hours prior to needed inspection time to arrange for an appointment.

TANKS MAY BE REMOVED/DECOMMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION

No hot work is allowed on a tank system prior to issuance of this Fire Department permit!

Permission is hereby granted to remove or decommission the tank(s) identified in this permit in accordance with the attached conditions, all noted special conditions, and all applicable provisions of the Seattle Fire Code, federal, state and local regulations. **THIS PERMIT IS NULL AND VOID IF PERMIT CONDITIONS ARE NOT ATTACHED**

Special permit conditions: _____

FMO USE
Receipt No.: 5-182413
Check No.: 24918
Application ID#: 837119

APPROVED BY
Inspector: Reeves SFD ID# 1730
Name of Marine Chemist DON SLY 598 Certificate # 45688
Date: _____

(01/11)

SOUND TESTING, INC
P.O. BOX 16204 SEATTLE, WA 98116
(206) 932-0206 FAX (206) 937-3848

MARINE CHEMIST CERTIFICATE

SERIAL № 45683

Survey Requested by	Vessel Owner or Agent	Date
JOHN PRINE GASOLINE TANK - UNDERGROUND SDRAKE TANK - JOHN PRINE		
Vessel	**Type of Vessel**	**Specific Location of Vessel**
GASOLINE WATER, WATER	O, LEL	8:40 AM
Last Three (3) Loadings	**Tests Performed**	**Time Survey Completed**

UNDERGROUND 4,000-GAL GASOLINE TANK — MAY BE SAFELY FILLED WITH "CDF" "CONTROLLED DENSITY FILL"

— FREE OF LIQUID PRODUCT

— AIRBORNE COMBUSTIBLE GAS LESS THAN 10% OF EXPLOSIVE MIXTURE

In the event of any physical or atmospheric changes adversely affecting the gas-free condition of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS

SAFE FOR WORKERS Means that in the compartment or space so designated (a) the oxygen content of the atmosphere is at least 19.5 percent by volume, and that, (b) toxic materials in the atmosphere are within permissible concentrations, and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate

NOT SAFE FOR WORKERS Means that in the compartment or space so designated, the requirements of Safe for Workers has not been met.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks, or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met

CHEMIST'S ENDORSEMENT This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on s and have found the condition of each to be in accordance with its assigned designation.

"The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed _____ Name _____ Company _____ Date

Signed Dan Lly Marine Chemist № 598 Certificate No.

VESSEL POSTING

ATTACHMENT B

Boring Logs

SoundEarth Strategies

Project:	Perine Property
Project Number:	0783-001-02
Logged by:	RAH
Date Started:	3/16/2011
Surface Conditions:	Concrete
Well Location N/S:	19' S of NE Corner of Building
Well Location E/W:	8.3' W of NE Corner of Building
Reviewed by:	TJC
Date Completed:	3/16/2011

BORING LOG | **P01** --

Site Address: 820 South Adams Street, Seattle, Washington

Water Depth At Time of Drilling: 13 feet bgs

Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						SP (FILL)		**Concrete (2.5") at surface.**	
			20	0.3	P01-04			**Damp, loose, fine SAND with trace silt, brown, no hydrocarbon odor (FILL).**	
5			10	0.3		SP (FILL)		**Slough, no recovery, fill material.**	
				3.3		SP (FILL)		**Damp, loose, fine SAND with trace silt and subrounded gravel, brown, no hydrocarbon odor (FILL).**	
10			80	3.4	P01-12	SP		**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.** **Moist, loose, fine to medium SAND, dark brown, no hydrocarbon odor.**	
			80	4.0		SP		**Wet, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
15				4.1	P01-15				

Drilling Co./Driller:	ESN/Noel		**Well/Auger Diameter:**	--	inches	**Notes/Comments:**
Drilling Equipment:	Direct Push		**Well Screened Interval:**	--	feet bgs	
Sampler Type:	Push-Probe		**Screen Slot Size:**	--	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	--		
Total Boring Depth:	15	feet bgs	**Surface Seal:**	Concrete		
Total Well Depth:	--	feet bgs	**Annular Seal:**	Bentonite Backfill		
State Well ID No.:	--		**Monument Type:**	--		

SoundEarth Strategies

Project:	Perine Property
Project Number:	0783-001-02
Logged by:	RAH
Date Started:	3/16/2011
Surface Conditions:	Concrete
Well Location N/S:	14' S of NE Corner of Building
Well Location E/W:	20' W of NE Corner of Building
Reviewed by:	TJC
Date Completed:	3/16/2011

BORING LOG | P02 --

Site Address: 820 South Adams Street, Seattle, Washington

Water Depth At Time of Drilling: 13 feet bgs

Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						SP (FILL)		**Concrete (5") at surface.**	
			5	1.3				**Damp, loose, fine to medium SAND, trace subrounded gravel, brown, no hydrocarbon odor (FILL).**	
5						SP (FILL)			
			80	0.0				**Damp, loose, fine to medium SAND with trace silt, brown, no hydrocarbon odor (FILL).**	
				0.0	P02-08				
						SP			
				0.7				**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
10			90						
				1.1	P02-12			**Moist, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
						SP			
				0.0					
			90					**Wet, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
					P02-14				
15				0.0					

Drilling Co./Driller:	ESN/Noel		**Well/Auger Diameter:**	--	inches	**Notes/Comments:**
Drilling Equipment:	Direct Push		**Well Screened Interval:**	--	feet bgs	
Sampler Type:	Push-Probe		**Screen Slot Size:**	--	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	--		
Total Boring Depth:	15	feet bgs	**Surface Seal:**	Concrete		
Total Well Depth:	--	feet bgs	**Annular Seal:**	Bentonite Backfill		
State Well ID No.:	--		**Monument Type:**	--		

SoundEarth Strategies

Project:	Perine Property
Project Number:	0783-001-02
Logged by:	RAH
Date Started:	3/16/2011
Surface Conditions:	Concrete
Well Location N/S:	8.3' S of NE Corner of Building
Well Location E/W:	35' W of NE Corner of Building
Reviewed by:	TJC
Date Completed:	3/16/2011

BORING LOG | **P03** --

Site Address: 820 South Adams Street, Seattle, Washington

Water Depth At Time of Drilling: 13 feet bgs

Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						SP (FILL)		**Concrete at surface.**	
			20	0.9	P03-04			**Damp, loose, fine to medium SAND with trace silt, brown, no hydrocarbon odor (FILL).**	
5				0.5		SP (FILL)		**Damp, loose, fine to medium SAND with trace silt, brown, no hydrocarbon odor (FILL).**	
			80		P03-07	ML (FILL)		**Damp, loose, SILT with fine sand and trace gravel, dark brown, no hydrocarbon odor (FILL).**	
				0.2		SP		**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
				0.0		SP		**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
10			90	0.0	P03-12			**Moist, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
				0.2		SP		**Wet, loose fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
			90						
				0.6	P03-15				
15									

Drilling Co./Driller:	ESN/Noel		**Well/Auger Diameter:**	--	inches	**Notes/Comments:**
Drilling Equipment:	Direct Push		**Well Screened Interval:**	--	feet bgs	
Sampler Type:	Push-Probe		**Screen Slot Size:**	--	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	--		
Total Boring Depth:	15	feet bgs	**Surface Seal:**	Concrete		
Total Well Depth:	--	feet bgs	**Annular Seal:**	Bentonite Backfill		
State Well ID No.:	--		**Monument Type:**	--		

SoundEarth Strategies

Project:	Perine Property
Project Number:	0783-001-02
Logged by:	RAH
Date Started:	3/17/2011
Surface Conditions:	Concrete
Well Location N/S:	7.3' S of NE Corner of Building
Well Location E/W:	79.5' W of NE Corner of Building
Reviewed by:	TJC
Date Completed:	3/17/2011

BORING LOG | **P04** --

Site Address: 820 South Adams Street, Seattle, Washington

Water Depth At Time of Drilling: 13 feet bgs

Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						SP (FILL)		**Concrete (2.5") at surface.**	
			100	4.1				**Damp, loose, fine to medium SAND with trace silt, light brown, no hydrocarbon odor (FILL).**	
				5.8		SP (FILL)			
5			100		P04-04			**Damp, loose, fine to medium SAND with trace silt, light brown, no hydrocarbon odor (FILL).**	
				3.7					
						SP (FILL)		**Damp, loose, fine to medium SAND with trace silt, light brown, no hydrocarbon odor (FILL).**	
			100	31.3	P04-08	SM (FILL)		**Damp, loose, silty fine SAND, dark brown, no hydrocarbon odor (FILL).**	
						SP		**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
				0.3		SP		**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
10			90						
				4.1	P04-12			**Moist, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
						SP		**Wet, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
			100						
15				13.5	P04-15	ML		**Wet, loose, SILT with fine sand and shell fragments, gray, no hydrocarbon odor.**	

Drilling Co./Driller:	ESN/Rod		**Well/Auger Diameter:**	--	inches	**Notes/Comments:**
Drilling Equipment:	Direct Push		**Well Screened Interval:**	--	feet bgs	
Sampler Type:	Push-Probe		**Screen Slot Size:**	--	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	--		
Total Boring Depth:	15	feet bgs	**Surface Seal:**	Concrete		
Total Well Depth:	--	feet bgs	**Annular Seal:**	Bentonite Backfill		
State Well ID No.:	--		**Monument Type:**	--		

SoundEarth Strategies

Project:	Perine Property
Project Number:	0783-001-02
Logged by:	RAH
Date Started:	3/17/2011
Surface Conditions:	Concrete
Well Location N/S:	72' S of NE Corner of Building
Well Location E/W:	11.7' W of NE Corner of Building
Reviewed by:	TJC
Date Completed:	3/17/2011

BORING LOG | **P05** --

Site Address: 820 South Adams Street, Seattle, Washington

Water Depth At Time of Drilling: 13 feet bgs

Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						SP (FILL)		**Concrete (2.5") at surface.**	
			90	2.2				**Damp, loose, fine to medium SAND with silt and trace gravel, light brown, no hydrocarbon odor (FILL).**	
				3.3	P05-03				
						SP (FILL)			
				4.3					
5			100		P05-05			**Damp, loose, fine to medium SAND with trace silt, light brown, no hydrocarbon odor (FILL).**	
				4.0					
						SP (FILL)		**Damp, loose, fine to medium SAND with trace silt and gravel, light to dark brown, no hydrocarbon odor (FILL).**	
			100	4.6					
					P05-08	SP		**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
						SP			
10				3.5				**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
			100						
				3.8				**Moist, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
						SP			
					P05-13				
				3.4					
			90					**Wet, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
15				2.1					

Drilling Co./Driller:	ESN/Rod		**Well/Auger Diameter:**	--	inches	**Notes/Comments:**
Drilling Equipment:	Direct Push		**Well Screened Interval:**	--	feet bgs	
Sampler Type:	Push-Probe		**Screen Slot Size:**	--	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	--		
Total Boring Depth:	15	feet bgs	**Surface Seal:**	Concrete		
Total Well Depth:	--	feet bgs	**Annular Seal:**	Bentonite Backfill		
State Well ID No.:	--		**Monument Type:**	--		

SoundEarth Strategies

Project:	Perine Property
Project Number:	0783-001-02
Logged by:	RAH
Date Started:	3/16/2011
Surface Conditions:	Concrete
Well Location N/S:	22' S of SW Corner of Building
Well Location E/W:	46.6' E of SW Corner of Building
Reviewed by:	TJC
Date Completed:	3/16/2011

BORING LOG | **P06** --

Site Address: 820 South Adams Street, Seattle, Washington

Water Depth At Time of Drilling: 9 feet bgs

Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0			80	0.0		ML (FILL)		**Concrete (6") at surface. Asphalt and concrete debris. Damp, loose, SILT with fine sand, brown to dark brown, no hydrocarbon odor.**	
				0.0		SP (FILL)		**Damp, loose, fine to medium SAND with trace silt, brown, no hydrocarbon odor (FILL).**	
5			80	0.0		SP (FILL)		**Damp, loose, fine to medium SAND with trace silt, brown, no hydrocarbon odor (FILL).**	
				0.0		SP		**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
				0.0		SP		**Wet, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
10			80						
				0.0		ML		**Wet, loose, SILT with fine sand and shell fragments, grayish brown, no hydrocarbon odor.**	
			90	0.0		SP		**Wet, loose, fine to medium SAND with trace silt and shell fragments, dark brown, no hydrocarbon odor.**	
15				0.9		ML		**Wet, loose, SILT with fine sand and shell fragments, grayish brown, no hydrocarbon odor.**	

Drilling Co./Driller:	ESN/Noel		**Well/Auger Diameter:**	--	inches	**Notes/Comments:**
Drilling Equipment:	Direct Push		**Well Screened Interval:**	--	feet bgs	
Sampler Type:	Push-Probe		**Screen Slot Size:**	--	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	--		
Total Boring Depth:	15	feet bgs	**Surface Seal:**	Concrete		
Total Well Depth:	--	feet bgs	**Annular Seal:**	Bentonite Backfill		
State Well ID No.:	--		**Monument Type:**	--		

SoundEarth Strategies

Project:	Perine Property
Project Number:	0783-001-02
Logged by:	RAH
Date Started:	3/17/2011
Surface Conditions:	Concrete
Well Location N/S:	33' S of NE Corner of Building
Well Location E/W:	86.4' W of NE Corner of Building
Reviewed by:	TJC
Date Completed:	3/17/2011

BORING LOG | **P07** --

Site Address: 820 South Adams Street, Seattle, Washington

Water Depth At Time of Drilling: 13 feet bgs

Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						SP (FILL)		**Concrete (2.5") at surface.**	
			90	0.0				**Damp, loose, fine SAND with silt and trace gravel, light brown, no hydrocarbon odor (FILL).**	
				0.3	P07-04	SP (FILL)			
5			90	0.0				**Damp, loose, fine to medium SAND with trace silt and gravel, light brown, no hydrocarbon odor.**	
				0.0		SP (FILL)			
			90	0.0	P07-09			**Damp, loose, fine to medium SAND with trace silt, light brown, no hydrocarbon odor.**	
10			90	0.0	P07-11	SP		**Damp, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
				0.9		SP		**Moist, loose, fine to medium SAND with trace silt, dark brown, no hydrocarbon odor.**	
			100	0.0				**Wet, loose, fine to coarse SAND with trace silt, dark brown, no hydrocarbon odor.**	
15				0.0	P07-15				

Drilling Co./Driller:	ESN/Rod		**Well/Auger Diameter:**	--	inches	**Notes/Comments:**
Drilling Equipment:	Direct Push		**Well Screened Interval:**	--	feet bgs	
Sampler Type:	Push-Probe		**Screen Slot Size:**	--	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	--		
Total Boring Depth:	15	feet bgs	**Surface Seal:**	Concrete		
Total Well Depth:	--	feet bgs	**Annular Seal:**	Bentonite Backfill		
State Well ID No.:	--		**Monument Type:**	--		

ATTACHMENT C

Laboratory Analytical Reports

Friedman & Bruya, Inc. #103196

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
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March 30, 2011

Tom Cammarata, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cammarata:

Included are the results from the testing of material submitted on March 16, 2011 from the SOU_0783_20110316, F&BI 103196 project. There are 27 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: Ryan Thompson, Ryan Bixby
SOU0330R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 16, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0783_20110316, F&BI 103196 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
103196-01	P01-04
103196-02	P01-12
103196-03	P01-15
103196-04	P02-08
103196-05	P02-12
103196-06	P02-14
103196-07	P03-04
103196-08	P03-07
103196-09	P03-12
103196-10	P03-15
103196-11	20110316-P01
103196-12	20110316-P02
103196-13	20110316-P03
103196-14	20110316-P06

Several 8260C compounds failed the calibration acceptance criteria. The data were flagged accordingly.

Methylene chloride was detected in several samples. The data were flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196
Date Extracted: 03/18/11
Date Analyzed: 03/18/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
20110316-P06 103196-14	<100	63
Method Blank 01-0453 MB	<100	65

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196
Date Extracted: 03/17/11
Date Analyzed: 03/17/11 and 03/23/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

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

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
P01-12 103196-02	<0.02	<0.02	<0.02	<0.06	<2	83
P02-12 103196-05	<0.02	<0.02	<0.02	<0.06	<2	77
P03-12 103196-09	<0.02	<0.02	<0.02	<0.06	<2	82
Method Blank 01-0450 MB	<0.02	<0.02	<0.02	<0.06	<2	87

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196
Date Extracted: 03/16/11
Date Analyzed: 03/17/11

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)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
P01-12 103196-02	<50	<250	109
P02-12 103196-05	<50	<250	105
P03-12 103196-09	<50	<250	109
Method Blank 01-0441 MB	<50	<250	104

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196
Date Extracted: 03/16/11
Date Analyzed: 03/16/11

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)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
20110316-P06 103196-14	<50	<250	96
Method Blank 01-445 MB	<50	<250	98

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	20110316-P01	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/17/11	Lab ID:	103196-11
Date Analyzed:	03/21/11	Data File:	103196-11.062
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	78	60	125
Indium	78	60	125
Holmium	84	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	1.56
Silver	<1
Cadmium	<1
Barium	42.6
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	20110316-P02	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/17/11	Lab ID:	103196-12
Date Analyzed:	03/21/11	Data File:	103196-12.066
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	79	60	125
Indium	76	60	125
Holmium	83	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	1.31
Silver	<1
Cadmium	<1
Barium	46.8
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	20110316-P03	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/17/11	Lab ID:	103196-13
Date Analyzed:	03/21/11	Data File:	103196-13.067
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	81	60	125
Indium	79	60	125
Holmium	81	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	1.11
Silver	<1
Cadmium	<1
Barium	48.1
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/17/11	Lab ID:	I1-188 mb
Date Analyzed:	03/21/11	Data File:	I1-188 mb.060
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	84	60	125
Indium	83	60	125
Holmium	83	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196
Date Extracted: 03/17/11
Date Analyzed: 03/18/11

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Dissolved Mercury
20110316-P01 103196-11	<0.2
20110316-P02 103196-12	<0.2
20110316-P03 103196-13	<0.2
Method Blank	<0.2

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	20110316-P01	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/22/11	Lab ID:	103196-11
Date Analyzed:	03/22/11	Data File:	032211.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	99	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	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	5.8 lc	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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	20110316-P02	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/22/11	Lab ID:	103196-12
Date Analyzed:	03/22/11	Data File:	032214.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	100	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	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	5.1 lc	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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	20110316-P03	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/25/11	Lab ID:	103196-13
Date Analyzed:	03/25/11	Data File:	032511.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	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 ca	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	<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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	20110316-P06	Client:	SoundEarth Strategies
Date Received:	03/16/11	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/25/11	Lab ID:	103196-14
Date Analyzed:	03/25/11	Data File:	032512.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	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 ca	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	5.6	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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/22/11	Lab ID:	01-412 mb
Date Analyzed:	03/22/11	Data File:	032207.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	99	63	127
4-Bromofluorobenzene	100	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	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	<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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0783_20110316, F&BI 103196
Date Extracted:	03/25/11	Lab ID:	01-416 mb
Date Analyzed:	03/25/11	Data File:	032506.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	106	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 ca	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	<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

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

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

Laboratory Code: 103230-01 (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	91	69-134

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 103171-01 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	85	66-121
Toluene	mg/kg (ppm)	0.5	85	72-128
Ethylbenzene	mg/kg (ppm)	0.5	86	69-132
Xylenes	mg/kg (ppm)	1.5	87	69-131
Gasoline	mg/kg (ppm)	20	85	61-153

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

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

Laboratory Code: 103127-01 (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	105	108	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	79-144

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

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	106	110	63-142	4

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 103196-11 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	ug/L (ppb)	20	<1	107	108	67-132	1
Arsenic	ug/L (ppb)	10	<1	107	104	56-167	3
Selenium	ug/L (ppb)	5	1.56	102 b	97 b	54-170	5 b
Silver	ug/L (ppb)	5	<1	99	98	66-121	1
Cadmium	ug/L (ppb)	5	<1	102	102	86-118	0
Barium	ug/L (ppb)	50	42.6	111 b	114 b	63-133	3 b
Lead	ug/L (ppb)	10	<1	120	120	76-125	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	108	66-135
Arsenic	ug/L (ppb)	10	100	55-128
Selenium	ug/L (ppb)	5	95	59-134
Silver	ug/L (ppb)	5	107	64-136
Cadmium	ug/L (ppb)	5	106	66-135
Barium	ug/L (ppb)	50	111	66-133
Lead	ug/L (ppb)	10	123	67-135

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Laboratory Code: 103196-11 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	ug/L (ppb)	0.5	<0.2	101	102	48-160	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	ug/L (ppb)	0.5	103	79-126

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

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

Laboratory Code: 103256-07 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<10	88	10-172
Chloromethane	ug/L (ppb)	50	<10	93	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	99	36-166
Bromomethane	ug/L (ppb)	50	<1	81	47-169
Chloroethane	ug/L (ppb)	50	<1	93	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	90	44-165
Acetone	ug/L (ppb)	250	<10	103	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	95	60-136
Methylene chloride	ug/L (ppb)	50	<5	85	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	103	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	102	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	99	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	91	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	104	71-127
Chloroform	ug/L (ppb)	50	<1	99	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	96	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	94	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	98	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	103	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	95	56-152
Benzene	ug/L (ppb)	50	<0.35	102	76-125
Trichloroethene	ug/L (ppb)	50	<1	96	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	106	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	105	61-150
Dibromomethane	ug/L (ppb)	50	<1	104	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	115	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	110	72-132
Toluene	ug/L (ppb)	50	<1	101	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	107	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	103	68-131
2-Hexanone	ug/L (ppb)	250	<10	112	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	103	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	105	73-129
Dibromochloromethane	ug/L (ppb)	50	<1	109	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	108	69-134
Chlorobenzene	ug/L (ppb)	50	<1	101	77-122
Ethylbenzene	ug/L (ppb)	50	<1	102	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	103	73-137
m,p-Xylene	ug/L (ppb)	100	<2	104	69-135
o-Xylene	ug/L (ppb)	50	<1	107	68-137
Styrene	ug/L (ppb)	50	<1	110	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	105	65-142
Bromoform	ug/L (ppb)	50	<1	111	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	107	58-144
Bromobenzene	ug/L (ppb)	50	<1	107	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	106	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	108	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	105	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	105	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	106	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	105	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	106	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	104	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	106	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	1.5	103	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	99	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	103	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	112	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	116	76-132
Hexachlorobutadiene	ug/L (ppb)	50	<1	100	60-143
Naphthalene	ug/L (ppb)	50	<1	124	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	116	69-148

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

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	98	99	25-158	1
Chloromethane	ug/L (ppb)	50	95	97	45-156	2
Vinyl chloride	ug/L (ppb)	50	100	102	50-154	2
Bromomethane	ug/L (ppb)	50	90	89	55-143	1
Chloroethane	ug/L (ppb)	50	93	99	58-146	6
Trichlorofluoromethane	ug/L (ppb)	50	101	100	50-150	1
Acetone	ug/L (ppb)	250	100	97	60-155	3
1,1-Dichloroethene	ug/L (ppb)	50	97	98	67-136	1
Methylene chloride	ug/L (ppb)	50	85	92	39-148	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	101	101	64-147	0
trans-1,2-Dichloroethene	ug/L (ppb)	50	101	101	68-128	0
1,1-Dichloroethane	ug/L (ppb)	50	98	99	79-121	1
2,2-Dichloropropane	ug/L (ppb)	50	106	106	55-143	0
cis-1,2-Dichloroethene	ug/L (ppb)	50	101	102	80-123	1
Chloroform	ug/L (ppb)	50	100	101	80-121	1
2-Butanone (MEK)	ug/L (ppb)	250	94	93	57-149	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	99	100	73-132	1
1,1,1-Trichloroethane	ug/L (ppb)	50	91	102	83-130	11
1,1-Dichloropropene	ug/L (ppb)	50	103	103	77-129	0
Carbon tetrachloride	ug/L (ppb)	50	103	105	75-158	2
Benzene	ug/L (ppb)	50	99	100	69-134	1
Trichloroethene	ug/L (ppb)	50	96	97	80-120	1
1,2-Dichloropropane	ug/L (ppb)	50	101	102	77-123	1
Bromodichloromethane	ug/L (ppb)	50	105	106	81-133	1
Dibromomethane	ug/L (ppb)	50	102	103	82-125	1
4-Methyl-2-pentanone	ug/L (ppb)	250	110	110	70-140	0
cis-1,3-Dichloropropene	ug/L (ppb)	50	108	109	82-132	1
Toluene	ug/L (ppb)	50	99	100	72-122	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	109	109	80-136	0
1,1,2-Trichloroethane	ug/L (ppb)	50	101	102	75-124	1
2-Hexanone	ug/L (ppb)	250	109	109	64-152	0
1,3-Dichloropropane	ug/L (ppb)	50	102	103	76-126	1
Tetrachloroethene	ug/L (ppb)	50	106	108	76-121	2
Dibromochloromethane	ug/L (ppb)	50	106	108	84-133	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	104	105	82-125	1
Chlorobenzene	ug/L (ppb)	50	99	100	83-114	1
Ethylbenzene	ug/L (ppb)	50	102	103	77-124	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	103	104	84-127	1
m,p-Xylene	ug/L (ppb)	100	103	105	83-125	2
o-Xylene	ug/L (ppb)	50	105	107	86-121	2
Styrene	ug/L (ppb)	50	107	108	85-127	1
Isopropylbenzene	ug/L (ppb)	50	106	107	87-122	1
Bromoform	ug/L (ppb)	50	109	110	74-136	1
n-Propylbenzene	ug/L (ppb)	50	105	106	74-126	1
Bromobenzene	ug/L (ppb)	50	103	103	80-121	0
1,3,5-Trimethylbenzene	ug/L (ppb)	50	105	106	80-126	1
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	102	103	66-126	1
1,2,3-Trichloropropane	ug/L (ppb)	50	101	101	67-124	0
2-Chlorotoluene	ug/L (ppb)	50	103	104	77-127	1
4-Chlorotoluene	ug/L (ppb)	50	104	105	78-128	1
tert-Butylbenzene	ug/L (ppb)	50	105	106	85-127	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	105	106	82-125	1
sec-Butylbenzene	ug/L (ppb)	50	104	106	80-125	2
p-Isopropyltoluene	ug/L (ppb)	50	106	108	82-127	2
1,3-Dichlorobenzene	ug/L (ppb)	50	101	103	85-116	2
1,4-Dichlorobenzene	ug/L (ppb)	50	100	101	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	101	102	85-116	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	108	108	57-141	0
1,2,4-Trichlorobenzene	ug/L (ppb)	50	110	112	72-130	2
Hexachlorobutadiene	ug/L (ppb)	50	106	108	53-141	2
Naphthalene	ug/L (ppb)	50	111	113	64-133	2
1,2,3-Trichlorobenzene	ug/L (ppb)	50	109	112	65-136	3

Date of Report: 03/30/11
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Project: SOU_0783_20110316, F&BI 103196

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

Laboratory Code: 103291-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<10	94	10-172
Chloromethane	ug/L (ppb)	50	<10	99	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	113	36-166
Bromomethane	ug/L (ppb)	50	<1	99	47-169
Chloroethane	ug/L (ppb)	50	<1	114	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	111	44-165
Acetone	ug/L (ppb)	250	<10	114	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	111	60-136
Methylene chloride	ug/L (ppb)	50	<5	115	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	101	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	105	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	104	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	105	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	105	71-127
Chloroform	ug/L (ppb)	50	<1	106	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	106	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	108	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	102	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	106	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	109	56-152
Benzene	ug/L (ppb)	50	<0.35	104	76-125
Trichloroethene	ug/L (ppb)	50	<1	102	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	106	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	112	61-150
Dibromomethane	ug/L (ppb)	50	<1	108	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	116	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	110	72-132
Toluene	ug/L (ppb)	50	<1	102	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	111	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	105	68-131
2-Hexanone	ug/L (ppb)	250	<10	119	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	104	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	100	73-129
Dibromochloromethane	ug/L (ppb)	50	<1	112	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	107	69-134
Chlorobenzene	ug/L (ppb)	50	<1	103	77-122
Ethylbenzene	ug/L (ppb)	50	<1	106	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	110	73-137
m,p-Xylene	ug/L (ppb)	100	<2	106	69-135
o-Xylene	ug/L (ppb)	50	<1	109	68-137
Styrene	ug/L (ppb)	50	<1	110	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	111	65-142
Bromoform	ug/L (ppb)	50	<1	117	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	109	58-144
Bromobenzene	ug/L (ppb)	50	<1	108	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	109	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	109	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	107	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	107	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	109	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	111	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	109	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	109	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	110	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	105	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	103	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	104	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	108	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	112	76-132
Hexachlorobutadiene	ug/L (ppb)	50	<1	107	60-143
Naphthalene	ug/L (ppb)	50	<1	112	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	112	69-148

Date of Report: 03/30/11
Date Received: 03/16/11
Project: SOU_0783_20110316, F&BI 103196

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	95	95	25-158	0
Chloromethane	ug/L (ppb)	50	98	93	45-156	5
Vinyl chloride	ug/L (ppb)	50	107	99	50-154	8
Bromomethane	ug/L (ppb)	50	94	91	55-143	3
Chloroethane	ug/L (ppb)	50	90	92	58-146	2
Trichlorofluoromethane	ug/L (ppb)	50	102	102	50-150	0
Acetone	ug/L (ppb)	250	108	110	60-155	2
1,1-Dichloroethene	ug/L (ppb)	50	104	106	67-136	2
Methylene chloride	ug/L (ppb)	50	100	104	39-148	4
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	104	106	64-147	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	107	106	68-128	1
1,1-Dichloroethane	ug/L (ppb)	50	104	104	79-121	0
2,2-Dichloropropane	ug/L (ppb)	50	119	130	55-143	9
cis-1,2-Dichloroethene	ug/L (ppb)	50	106	105	80-123	1
Chloroform	ug/L (ppb)	50	103	103	80-121	0
2-Butanone (MEK)	ug/L (ppb)	250	108	109	57-149	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	100	101	73-132	1
1,1,1-Trichloroethane	ug/L (ppb)	50	98	105	83-130	7
1,1-Dichloropropene	ug/L (ppb)	50	106	106	77-129	0
Carbon tetrachloride	ug/L (ppb)	50	107	109	75-158	2
Benzene	ug/L (ppb)	50	103	104	69-134	1
Trichloroethene	ug/L (ppb)	50	100	100	80-120	0
1,2-Dichloropropane	ug/L (ppb)	50	106	107	77-123	1
Bromodichloromethane	ug/L (ppb)	50	108	108	81-133	0
Dibromomethane	ug/L (ppb)	50	105	105	82-125	0
4-Methyl-2-pentanone	ug/L (ppb)	250	116	115	70-140	1
cis-1,3-Dichloropropene	ug/L (ppb)	50	115	115	82-132	0
Toluene	ug/L (ppb)	50	101	103	72-122	2
trans-1,3-Dichloropropene	ug/L (ppb)	50	115	116	80-136	1
1,1,2-Trichloroethane	ug/L (ppb)	50	104	105	75-124	1
2-Hexanone	ug/L (ppb)	250	120	120	64-152	0
1,3-Dichloropropane	ug/L (ppb)	50	105	107	76-126	2
Tetrachloroethene	ug/L (ppb)	50	101	102	76-121	1
Dibromochloromethane	ug/L (ppb)	50	111	111	84-133	0
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	108	108	82-125	0
Chlorobenzene	ug/L (ppb)	50	103	102	83-114	1
Ethylbenzene	ug/L (ppb)	50	106	106	77-124	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	108	108	84-127	0
m,p-Xylene	ug/L (ppb)	100	107	107	83-125	0
o-Xylene	ug/L (ppb)	50	111	110	86-121	1
Styrene	ug/L (ppb)	50	112	110	85-127	2
Isopropylbenzene	ug/L (ppb)	50	113	110	87-122	3
Bromoform	ug/L (ppb)	50	118	116	74-136	2
n-Propylbenzene	ug/L (ppb)	50	112	114	74-126	2
Bromobenzene	ug/L (ppb)	50	108	111	80-121	3
1,3,5-Trimethylbenzene	ug/L (ppb)	50	112	112	80-126	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	112	113	66-126	1
1,2,3-Trichloropropane	ug/L (ppb)	50	108	111	67-124	3
2-Chlorotoluene	ug/L (ppb)	50	109	111	77-127	2
4-Chlorotoluene	ug/L (ppb)	50	111	113	78-128	2
tert-Butylbenzene	ug/L (ppb)	50	113	112	85-127	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	112	111	82-125	1
sec-Butylbenzene	ug/L (ppb)	50	112	111	80-125	1
p-Isopropyltoluene	ug/L (ppb)	50	113	112	82-127	1
1,3-Dichlorobenzene	ug/L (ppb)	50	107	107	85-116	0
1,4-Dichlorobenzene	ug/L (ppb)	50	105	105	84-121	0
1,2-Dichlorobenzene	ug/L (ppb)	50	105	105	85-116	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	106	109	57-141	3
1,2,4-Trichlorobenzene	ug/L (ppb)	50	107	112	72-130	5
Hexachlorobutadiene	ug/L (ppb)	50	102	109	53-141	7
Naphthalene	ug/L (ppb)	50	109	114	64-133	4
1,2,3-Trichlorobenzene	ug/L (ppb)	50	106	111	65-136	5

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.

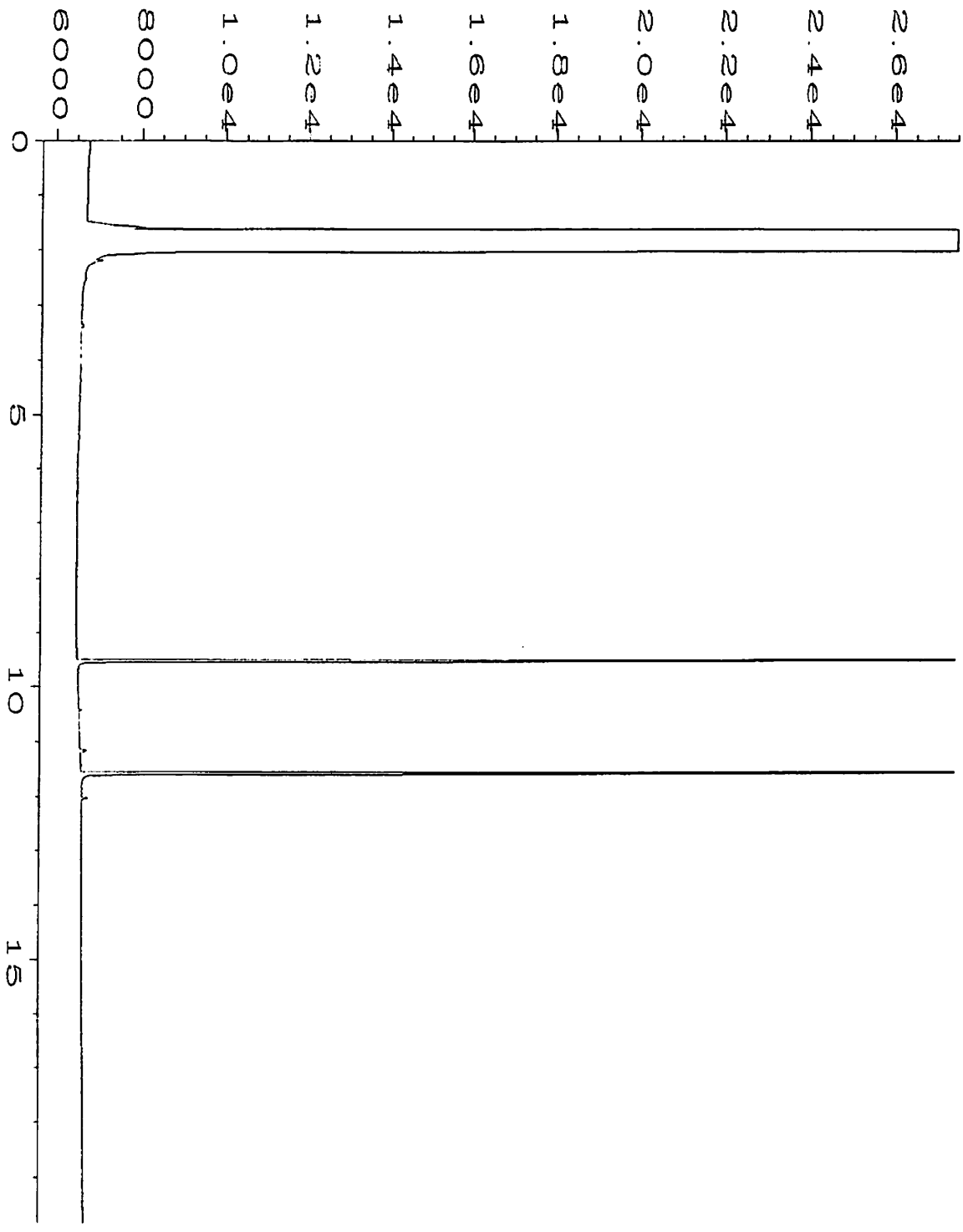
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

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.

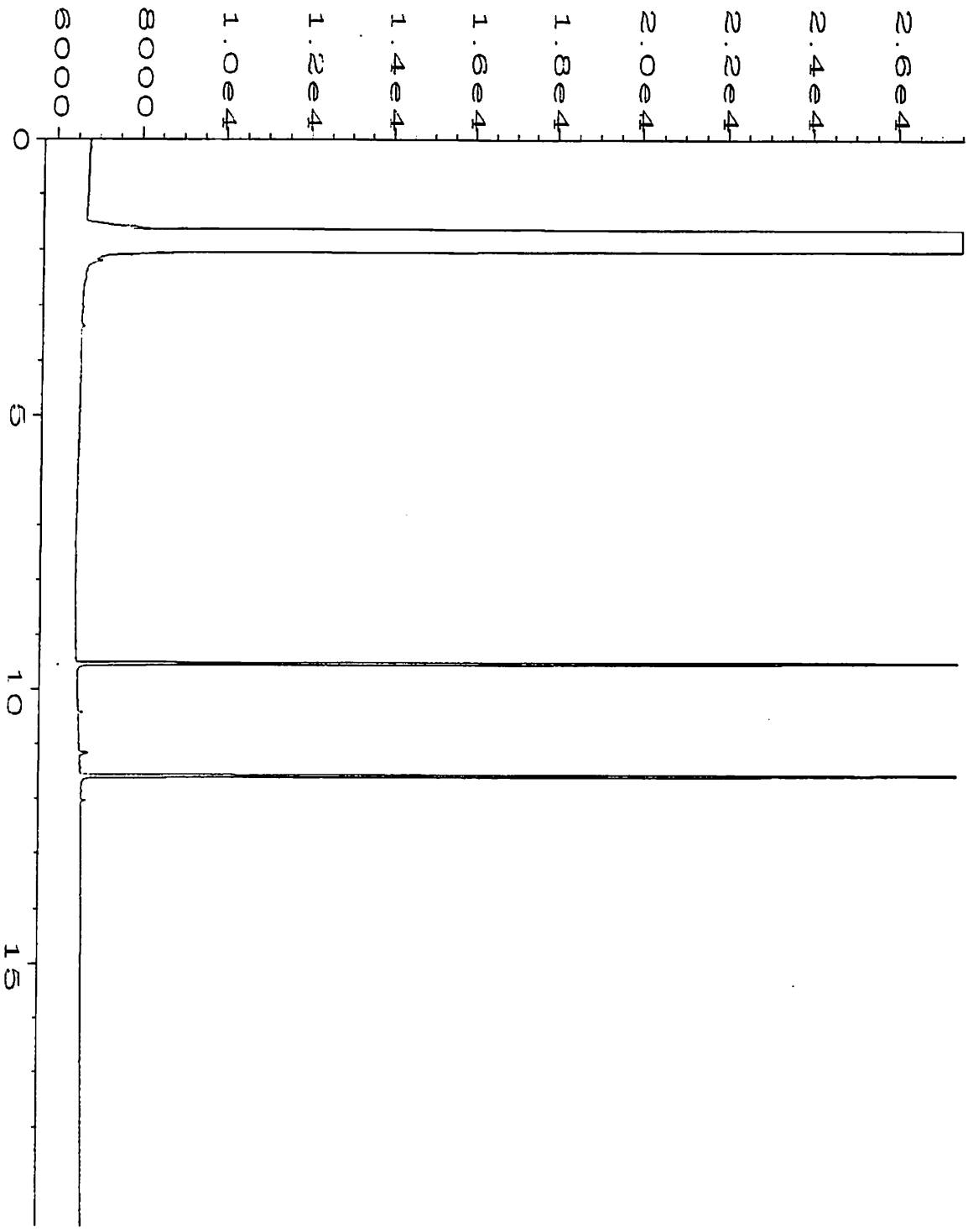
vo - The value reported fell outside the control limits established for this analyte.

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



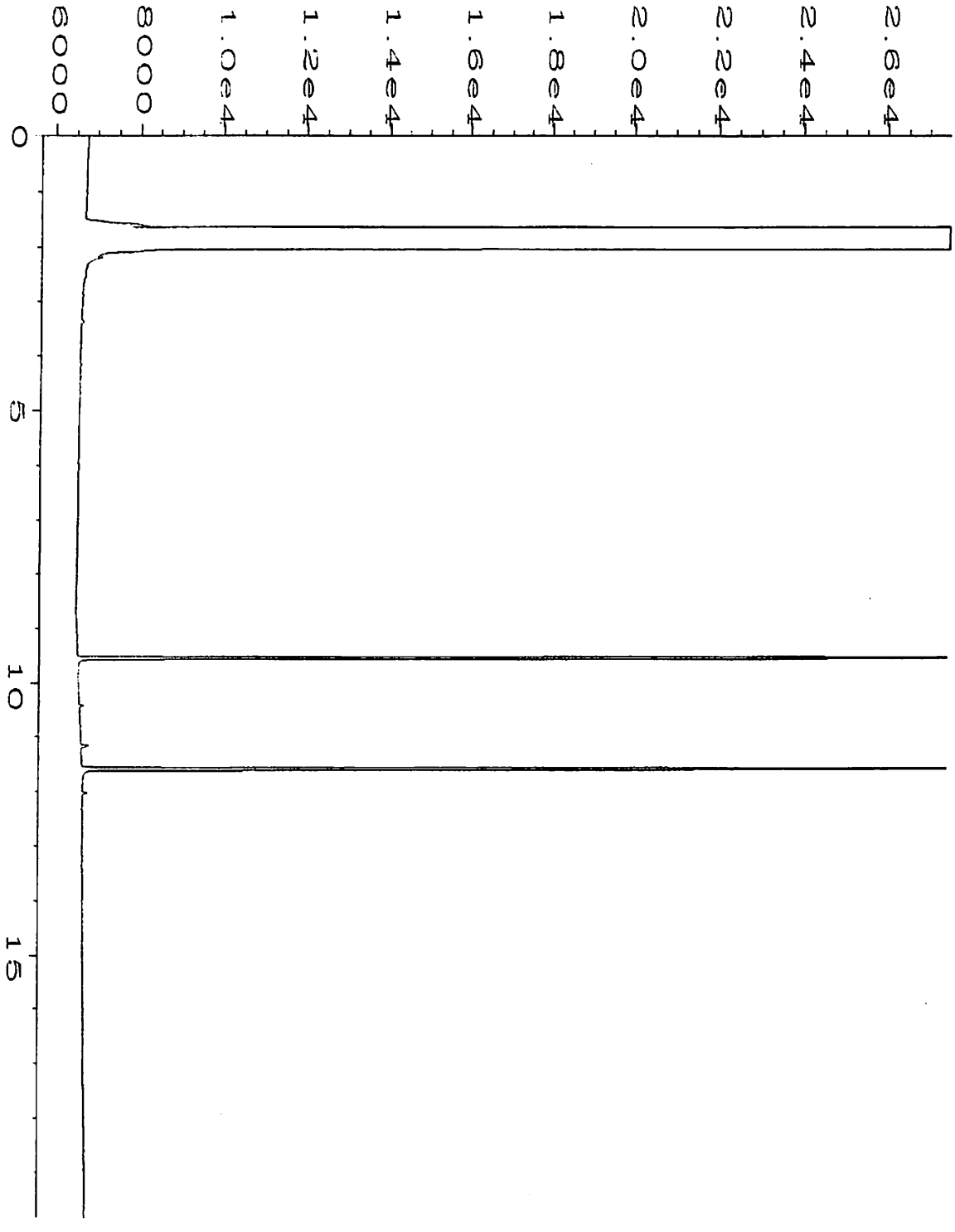
Data File Name : C:\HPCHEM\1\DATA\03-16-11\033F0901.D
Operator : ML
Instrument : GC1
Sample Name : 103196-02
Run Time Bar Code:
Acquired on : 17 Mar 11 00:18 AM
Report Created on: 17 Mar 11 09:04 AM

Page Number : 1
Vial Number : 33
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



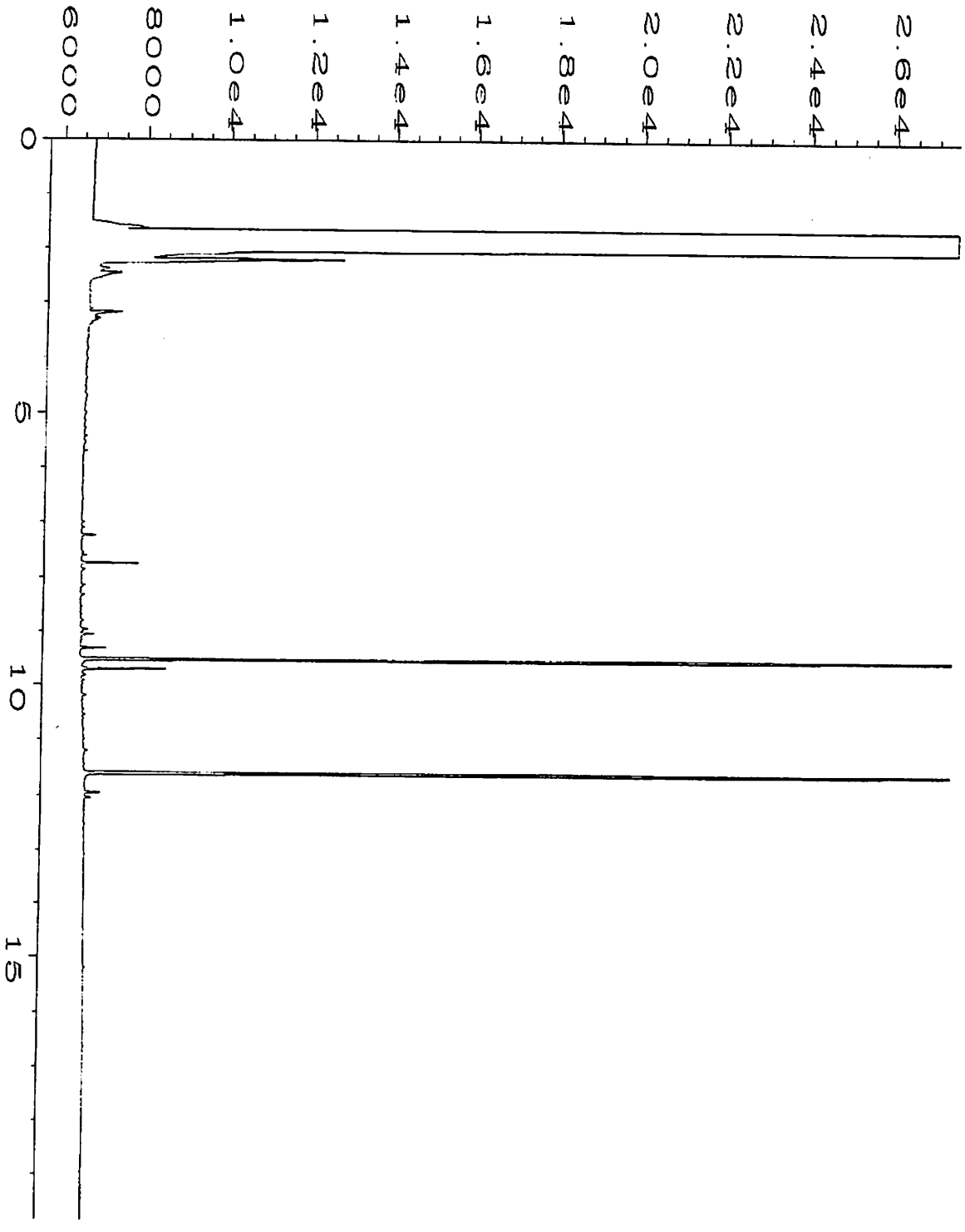
Data File Name : C:\HPCHEM\1\DATA\03-16-11\034F0901.D
Operator : ML
Instrument : GC1
Sample Name : 103196-05
Run Time Bar Code:
Acquired on : 17 Mar 11 00:45 AM
Report Created on: 17 Mar 11 09:04 AM

Page Number : 1
Vial Number : 34
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name : C:\HPCHEM\1\DATA\03-16-11\035F0901.D
Operator : ML
Instrument : GC1
Sample Name : 103196-09
Run Time Bar Code:
Acquired on : 17 Mar 11 01:11 AM
Report Created on: 17 Mar 11 09:04 AM

Page Number : 1
Vial Number : 35
Injection Number : 1
Sequence Line : 9
Instrument Method: TPHD.MTH
Analysis Method : TPHD.MTH



Data File Name	: C:\HPCHEM\1\DATA\03-16-11\025F0701.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 25
Sample Name	: 103196-14	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 7
Acquired on	: 16 Mar 11 07:50 PM	Instrument Method	: TPHD.MTH
Report Created on	: 17 Mar 11 09:02 AM	Analysis Method	: TPHD.MTH

103196

SAMPLE CHAIN OF CUSTODY

ME 03/16/11 AI3/V2/V82/B03

Page # 1 of 2

Send Report To Tom Connolly

Company SES

Address 2811 Fairview Ave East Suite 2000

City, State, ZIP Seattle WA 98102

Phone # 206 306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO. 0783

PO #

REMARKS

GEMS Y / N

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	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	EPA 2008/1621E RCRA-8 Metals			Notes
P01-04	P01	04	01AE	3-16-11	0844	Soil	5									Hold
P01-12	P01	12	02AE		0845	Soil	5	X	X	X						
P01-15	P01	15	03AE		0854	Soil	5									Hold
P02-08	P02	08	04AE		0950	Soil	5									Hold
P02-12	P02	12	05AE		0955	Soil	5	X	X	X						
P02-14	P02	14	06AE		1000	Soil	5									Hold
P03-04	P03	04	07AE		1045	Soil	5									Hold
P03-07	P03	07	08AE		1050	Soil	5									Hold
P03-12	P03	12	09AE		1055	Soil	5	X	X	X						
P03-15	P03	15	10AE		1100	Soil	5									Hold
20110316-P01	P01	—	11AE		0910	Water	5				X		X			
20110316-P02	P02	—	12AE		1020	Water	5				X		X			
20110316-P03	P03	—	13AE		1105	Water	5				X		X			

ANALYSES REQUESTED

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Robert Linsbeyer	SES	3-16-11	1320
Received by:		Michael Erdahl	FedEx	1	1
Relinquished by:					
Received by:			Samples received at 5 °C		

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

103196

SAMPLE CHAIN OF CUSTODY ME 03/16/11 AI3/V2/VS2/B03

Page # 2 of 2

Send Report To _____

Company See Page 1

Address _____

City, State, ZIP _____

Phone # _____ Fax # _____

SAMPLERS (signature)

PROJECT NAME/NO. 0783

PO #

REMARKS

GEMS Y / N

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: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
20110316-P06	P06	—	14 AE	3-16-11	1215	water	6	X	X		X					

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Robert A. Hardenger	SES	3-16-11	1320
Received by:		Madhuri Erdahl	FEB	1	1
Relinquished by:					
Received by:			Samples received at 5 °C		

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

Friedman & Bruya, Inc. #103218

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 30, 2011

Tom Cammarata, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr. Cammarata:

Included are the results from the testing of material submitted on March 17, 2011 from the SOU_0783_20110317, F&BI 103218 project. There are 34 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: Ryan Thompson, Ryan Bixby
SOU0330R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on March 17, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0783_20110317, F&BI 103218 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
103218-01	P05-03
103218-02	P05-05
103218-03	P05-08
103218-04	P05-13
103218-05	P04-04
103218-06	P04-08
103218-07	P04-12
103218-08	P04-15
103218-09	P07-04
103218-10	P07-09
103218-11	P07-11
103218-12	P07-15
103218-13	20110317-P05
103218-14	20110317-P04
103218-15	20110317-P07

Several 8260C compounds failed the calibration acceptance criteria. The data were flagged accordingly.

All other quality control requirements were acceptable.

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218
Date Extracted: 03/18/11
Date Analyzed: 03/21/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

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

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
P05-03 103218-01	<2	86
P07-09 103218-10	<2	87
Method Blank 01-0454 MB	<2	94

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218
Date Extracted: 03/18/11
Date Analyzed: 03/18/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
20110317-P05 103218-13	<100	76
20110317-P07 103218-15	<100	79
Method Blank 01-0453 MB	<100	65

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218
Date Extracted: 03/17/11
Date Analyzed: 03/17/11

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)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
P05-03 103218-01	<50	<250	102
P07-09 103218-10	<50	<250	101
Method Blank 01-449 MB	<50	<250	97

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218
Date Extracted: 03/17/11
Date Analyzed: 03/17/11

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)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
20110317-P05 103218-13	<50	<250	99
20110317-P07 103218-15	<50	<250	106
Method Blank 01-0445 MB2	<50	<250	104

Analysis For Total Metals By EPA Method 200.8

Client ID:	P05-03	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/18/11	Lab ID:	103218-01
Date Analyzed:	03/21/11	Data File:	103218-01.021
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	97	60	125
Indium	86	60	125
Holmium	92	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	16.7
Arsenic	2.84
Selenium	<1
Silver	<1
Cadmium	<1
Barium	56.8
Lead	3.21

Analysis For Total Metals By EPA Method 200.8

Client ID:	P04-08	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/18/11	Lab ID:	103218-06
Date Analyzed:	03/21/11	Data File:	103218-06.022
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	104	60	125
Indium	90	60	125
Holmium	91	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	12.6
Arsenic	7.86
Selenium	<1
Silver	<1
Cadmium	<1
Barium	94.3
Lead	98.7

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/18/11	Lab ID:	I1-193 mb
Date Analyzed:	03/21/11	Data File:	I1-193 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	97	60	125
Indium	96	60	125
Holmium	90	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	20110317-P05	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/22/11	Lab ID:	103218-13
Date Analyzed:	03/24/11	Data File:	103218-13.065
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	85	60	125
Indium	82	60	125
Holmium	91	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	1.24
Selenium	<1
Silver	<1
Cadmium	<1
Barium	26.4
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	20110317-P04	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/22/11	Lab ID:	103218-14
Date Analyzed:	03/24/11	Data File:	103218-14.066
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	87	60	125
Indium	83	60	125
Holmium	90	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	2.92
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	2.32
Barium	23.4
Lead	<1

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/22/11	Lab ID:	I1-201 mb
Date Analyzed:	03/24/11	Data File:	I1-201 mb.058
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	86	60	125
Indium	85	60	125
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218
Date Extracted: 03/17/11
Date Analyzed: 03/18/11

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Dissolved Mercury
20110317-P05 103218-13	<0.2
20110317-P04 103218-14	<0.2
Method Blank	<0.2

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218
Date Extracted: 03/18/11
Date Analyzed: 03/18/11

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

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

Sample ID Laboratory ID	Total Mercury
P05-03 103218-01	<0.2
P04-08 103218-06	<0.2
Method Blank	<0.2

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	P05-03	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/18/11	Lab ID:	103218-01
Date Analyzed:	03/19/11	Data File:	031835.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	42	158
Toluene-d8	97	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:	P04-08	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/18/11	Lab ID:	103218-06
Date Analyzed:	03/19/11	Data File:	031836.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	99	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	0.34
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	0.067	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	9.1	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:	P07-09	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/18/11	Lab ID:	103218-10
Date Analyzed:	03/19/11	Data File:	031837.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	58	42	158
Toluene-d8	102	42	159
4-Bromofluorobenzene	106	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	0.10	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_0783_20110317, F&BI 103218
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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	20110317-P05	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/23/11	Lab ID:	103218-13
Date Analyzed:	03/23/11	Data File:	032320.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	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	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	5.3 ca lc	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	1.2	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	<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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	20110317-P04	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/23/11	Lab ID:	103218-14
Date Analyzed:	03/23/11	Data File:	032321.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	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	14	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	<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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	20110317-P07	Client:	SoundEarth Strategies
Date Received:	03/17/11	Project:	SOU_0783_20110317, F&BI 103218
Date Extracted:	03/23/11	Lab ID:	103218-15
Date Analyzed:	03/24/11	Data File:	032322.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	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	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	5.9 ca lc	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	<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

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0783_20110317, F&BI 103218
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	Chlorobenzene	<1
Trichlorofluoromethane	<1 ca	Ethylbenzene	<1
Acetone	<10	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	<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

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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

Laboratory Code: 103207-15 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	80	61-153

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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

Laboratory Code: 103230-01 (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	91	69-134

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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

Laboratory Code: 103218-10 (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	100	99	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	97	58-147

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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	106	110	63-142	4

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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

Laboratory Code: 103171-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/kg (ppm)	50	10.2	104 b	106 b	51-132	2 b
Arsenic	mg/kg (ppm)	10	2.64	109 b	104 b	44-151	5 b
Selenium	mg/kg (ppm)	5	<1	101	99	52-128	2
Silver	mg/kg (ppm)	10	<1	107	109	69-125	2
Cadmium	mg/kg (ppm)	10	<1	106	108	83-120	2
Barium	mg/kg (ppm)	50	20.5	104 b	107 b	47-147	3 b
Lead	mg/kg (ppm)	20	1.32	105	111	65-126	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	107	79-125
Arsenic	mg/kg (ppm)	10	101	80-120
Selenium	mg/kg (ppm)	5	100	81-121
Silver	mg/kg (ppm)	10	107	84-117
Cadmium	mg/kg (ppm)	10	104	89-116
Barium	mg/kg (ppm)	50	108	88-113
Lead	mg/kg (ppm)	20	110	81-120

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 103257-16 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	ug/L (ppb)	20	<1	111	110	67-132	1
Arsenic	ug/L (ppb)	10	<1	115	107	56-167	7
Selenium	ug/L (ppb)	5	<1	115	105	54-170	9
Silver	ug/L (ppb)	5	<1	105	101	66-121	4
Cadmium	ug/L (ppb)	5	<1	109	103	86-118	6
Barium	ug/L (ppb)	50	52.9	114 b	103 b	63-133	10 b
Lead	ug/L (ppb)	10	7.94	111 b	117 b	76-125	5 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	114	66-135
Arsenic	ug/L (ppb)	10	110	55-128
Selenium	ug/L (ppb)	5	113	59-134
Silver	ug/L (ppb)	5	111	64-136
Cadmium	ug/L (ppb)	5	112	66-135
Barium	ug/L (ppb)	50	113	66-133
Lead	ug/L (ppb)	10	109	67-135

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Laboratory Code: 103218-13 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	ug/L (ppb)	0.5	<0.2	101	106	48-160	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	ug/L (ppb)	0.5	102	79-126

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 103171-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	102	110	45-162	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	104	63-144

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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	10
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

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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
1,1,2-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
1,1,2,2-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	<1	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

Date of Report: 03/30/11
Date Received: 03/17/11
Project: SOU_0783_20110317, F&BI 103218

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
1,1,2,2-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.

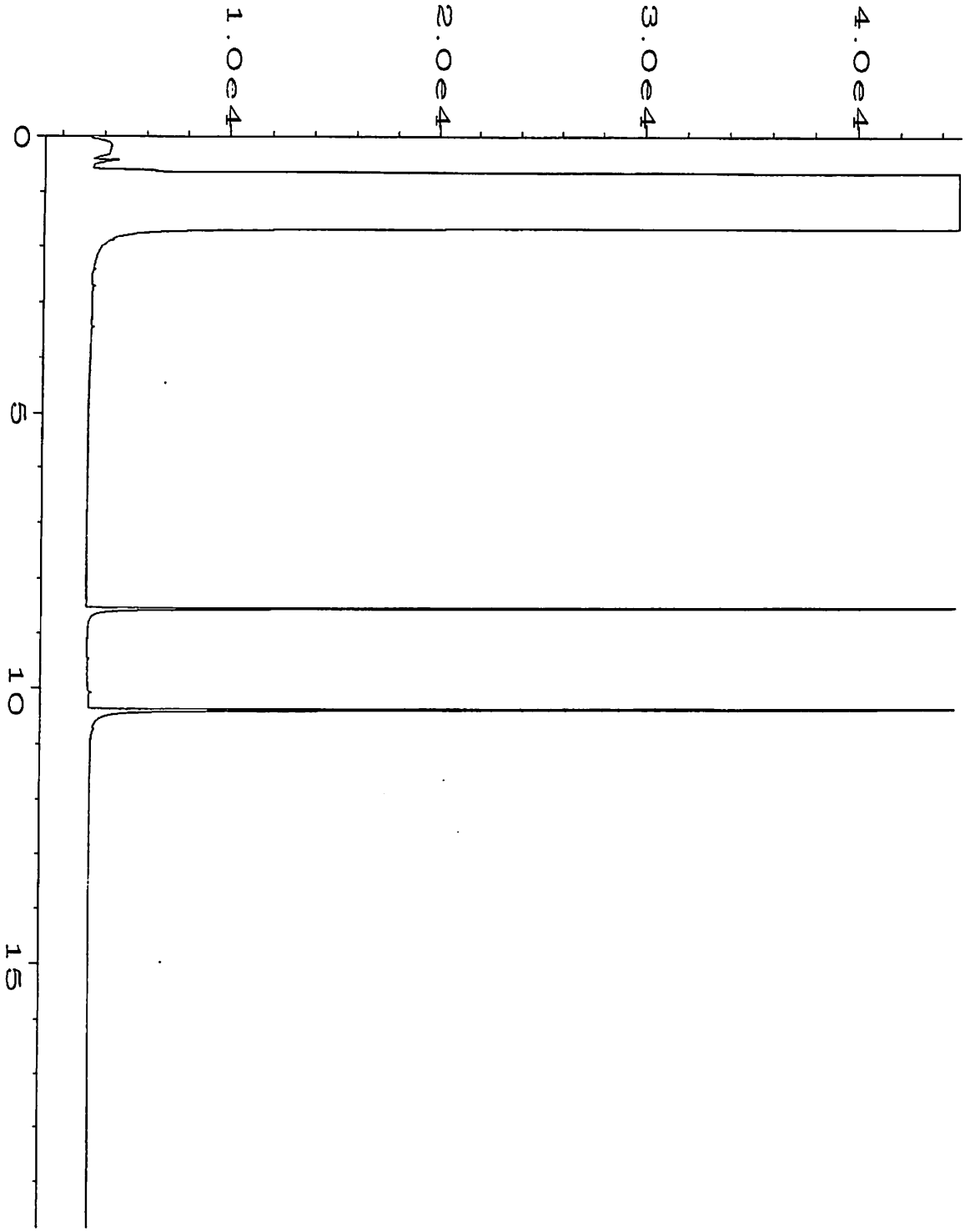
pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

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

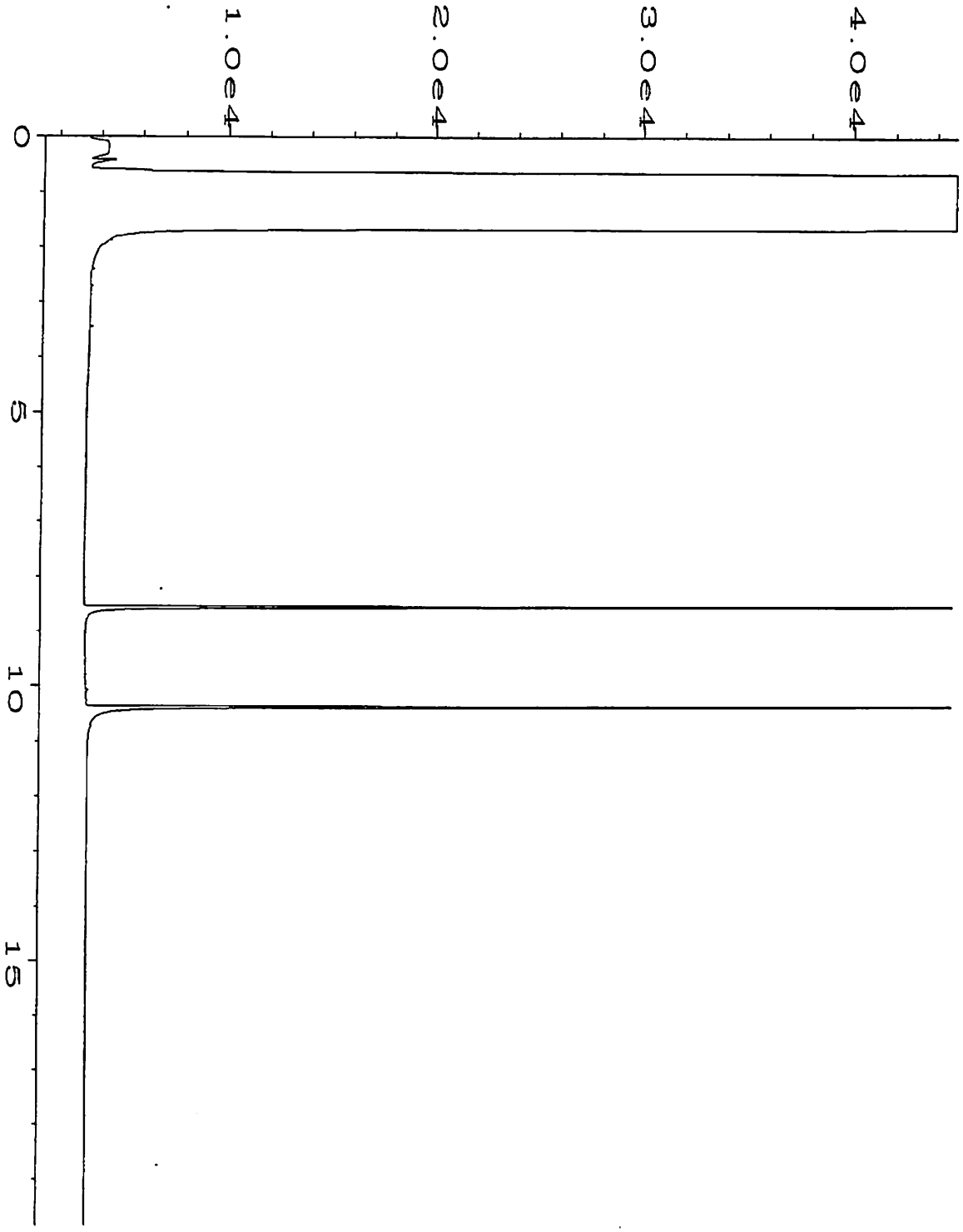
ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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

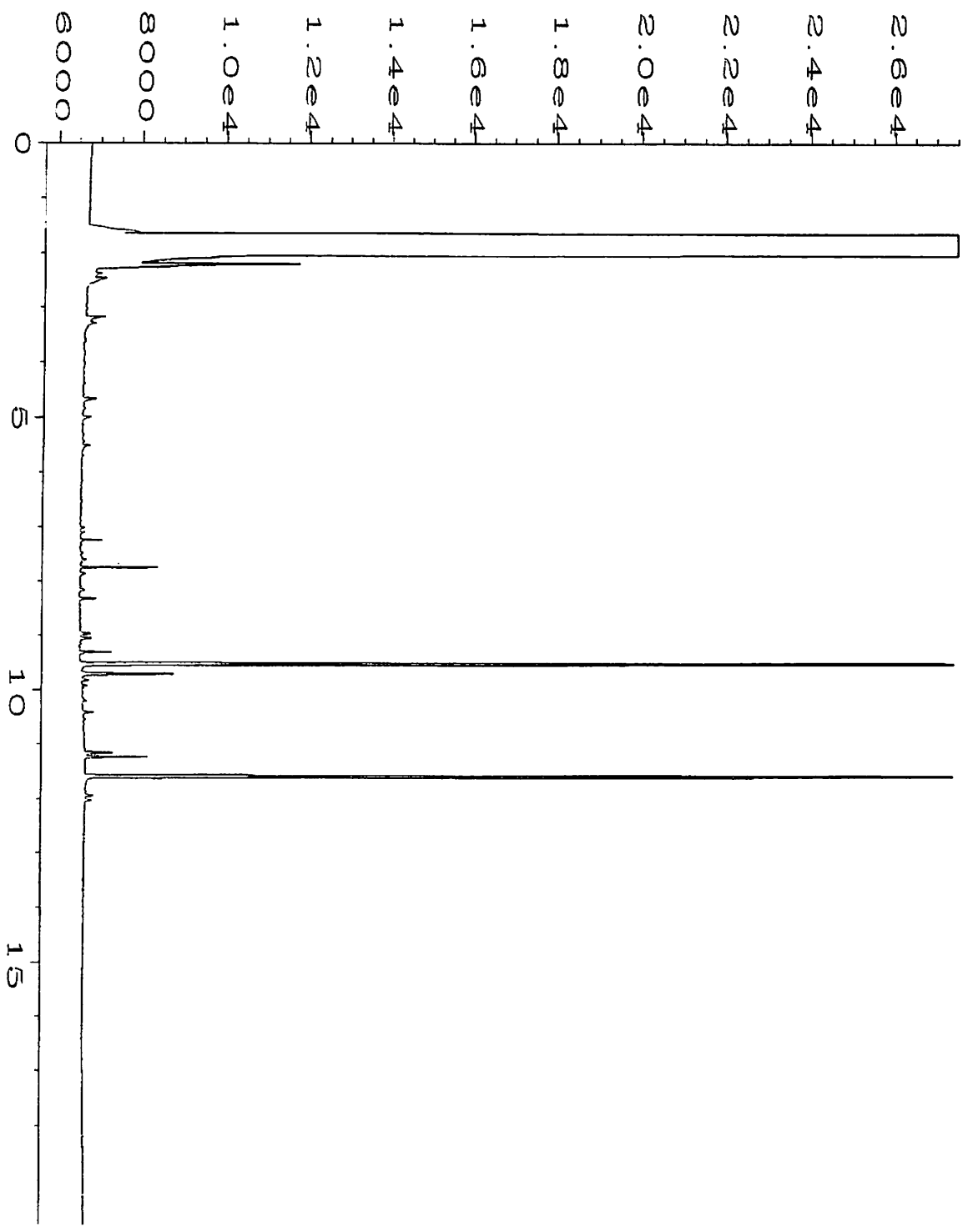
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



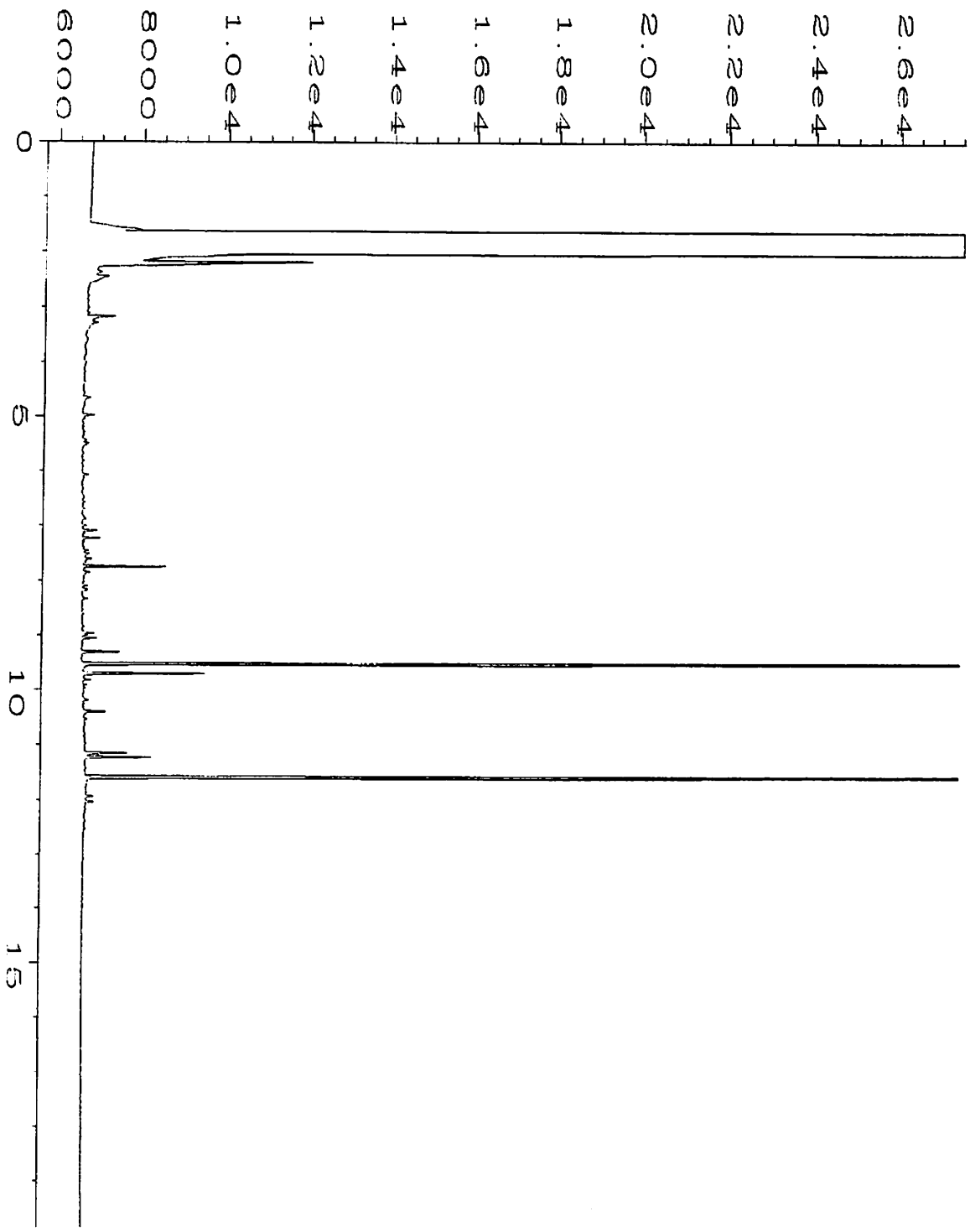
Data File Name	: C:\HPCHEM\6\DATA\03-17-11\021F0601.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 21
Sample Name	: 103218-01	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 17 Mar 11 07:09 PM	Instrument Method	: TPHD.MTH
Report Created on	: 18 Mar 11 09:52 AM	Analysis Method	: TPHD.MTH



Data File Name	: C:\HPCHEM\6\DATA\03-17-11\022F0601.D		
Operator	: ML	Page Number	: 1
Instrument	: GC #6	Vial Number	: 22
Sample Name	: 103218-10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 6
Acquired on	: 17 Mar 11 07:35 PM	Instrument Method	: TPHD.MTH
Report Created on	: 18 Mar 11 09:52 AM	Analysis Method	: TPHD.MTH



Data File Name	: C:\HPCHEM\1\DATA\03-17-11\023F0501.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 23
Sample Name	: 103218-13	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 5
Acquired on	: 17 Mar 11 06:51 PM	Instrument Method	: TPHD.MTH
Report Created on	: 18 Mar 11 08:59 AM	Analysis Method	: TPHD.MTH



Data File Name	: C:\HPCHEM\1\DATA\03-17-11\024F0501.D		
Operator	: ML	Page Number	: 1
Instrument	: GC1	Vial Number	: 24
Sample Name	: 103218-015	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 5
Acquired on	: 17 Mar 11 07:18 PM	Instrument Method	: TPHD.MTH
Report Created on	: 18 Mar 11 08:59 AM	Analysis Method	: TPHD.MTH

103218

SAMPLE CHAIN OF CUSTODY ME 3/17/11 V2/VS2/AI3/B04

Send Report To Tom Connette

Company SES

Address 2811 Fairview Ave East Suite 2000

City, State, ZIP Seattle WA 98102

Phone # 206 306 1900 Fax # 206 306-1907

SAMPLERS (signature)

PROJECT NAME/NO. OTC

PO #

REMARKS

GEMS Y / N

Page # 1 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: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
P05-03	P05	03	01AF	3-17-11	0850	Soil	5	X	X		X		X			
P05-05		05	02		0855		5									Hold
P05-08		08	03		0840		5									Hold
P05-13		13	04		0845		5									Hold
P04-04	P04	04	05		0915		5									Hold
P04-08		08	06		0920		5				X		X			
P04-12		12	07		0925		5									Hold
P04-15		15	08		0930		5									Hold
P07-04	P07	04	09		1005		5									Hold
P07-09		09	10		1010		5	X	X		X					
P07-11		11	11		1015		5									Hold
P07-15		15	12		1020		5									Hold
20110317-P05	P05	—	13AF		0910	Water	6	X	X		X		X			Field Filtered

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Robert A. Hamburger	SES	3-17-11	1205
Received by:	HONG NGUYEN	FMI	3/	/
Relinquished by:				
Received by:		Samples received at 6 °C		

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

103218

SAMPLE CHAIN OF CUSTODY ME

3/17/11 V2/V52/A13/B04

Send Report To _____

Company _____

Address Seaport

City, State, ZIP _____

Phone # _____ Fax # _____

SAMPLERS (signature)

PROJECT NAME/NO. 0783

PO #

REMARKS

GEMS Y / N

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: NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals			Notes
20110317-P04	P04	—	14 AE	3-17-11	0945	water	5				X		X			Filtered
20110317-P07	P07		15 AE	3-17-11	1640	water	5	X	X		X					Field Filtered

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:		Robert A. Hanberg	SES	3-17-11	1205
Received by:		HONG NGUYEN	FBI	2	2
Relinquished by:					
Received by:			Samples received at 6 °C		

ATTACHMENT D

UST Closure and Site Assessment Notice and UST Site Assessment Checklist

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNDERGROUND STORAGE TANK
Closure and Site Assessment Notice

See back of form for instructions

FOR OFFICE USE ONLY
Site ID #: _____
Owner ID #: _____

Please ✓ the appropriate box(es)
☐ Temporary Tank Closure ☐ Change-In-Service ☑ Permanent Tank Closure ☑ Site Check/Site Assessment

Site Information

Site ID Number _____
(Available from Ecology if the tanks are registered)
Site/Business Name Perine Property LLC
Site Address 820 South Adams Street
City/State Seattle, WA
Zip Code 98134 Telephone (650) 504-6925

Owner Information

UST Owner/Operator Perine Property, LLC. Attn: John D. Perine JR.
Mailing Address 2995 Woodside Rd Ste 400
Woodside, California 94062 Telephone (650) 504-6925

Owners Signature John Perine

Tank Closure/Change-In-Service Company

Service Company Spooner Contracting LLC
Certified Supervisor William W Spooner Decommissioning Certification No. 503231I-U2
Supervisor's Signature Will W Spooner Date 4-12-11
Address 17807 SE 346th St.
Auburn, WA 98092 Telephone 253 347-3321

Site Check/Site Assessor

Certified Site Assessor Corey League
Address 2811 Fairview Avenue East
Seattle WA 98102 Telephone (206) 306-1900

Tank Information

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
#1	4/12/11	In-Place	1,000	gas

Contamination Present at the Time of Closure
☐ Yes ☑ No ☐ Unknown
Check unknown if no obvious contamination was observed and sample results have not yet been received from analytical lab.

☐ Yes ☐ No
If contamination is present, has the release been reported to the appropriate regional office?

To receive this document in an alternative format, contact the TOXICS CLEANUP PROGRAM at 1-800-833-6388 (VOICE) OR 711 (TTY).

ECY 020-94 (Rev. 6-99)

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

WASHINGTON STATE DEPARTMENT OF ECOLOGY

FOR OFFICE USE ONLY
Site #:
Facility Site ID #:

INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This information must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
PO Box 47655
Olympia WA 98504-7655

SITE INFORMATION

Site ID Number (Available from Ecology if the tanks are registered): _____

Site/Business Name: Petire Property LLC

Site Address: 820 South Adams Street (Street) Telephone: 659.504-6925

Seattle (City) WA (State) 98104 (Zip Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
#1	1000gal	GAS

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

_____ Investigate suspected release due to on-site environmental contamination.
_____ Investigate suspected release due to off-site environmental contamination.
_____ Extend temporary closure of UST system for more than 12 months.
_____ UST system undergoing change-in-service.
_____ UST system permanently closed with tank removed.
_____ Abandoned tank containing product.
_____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
__/__ Other (describe): UST Closed In-place after Site Assessment

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.	YES	NO
1. The location of the UST site is shown on a vicinity map.	✓	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	✓	
3. A summary of UST system data is provided. (see Section 3.1.)	✓	
4. The soils characteristics at the UST site are described. (see Section 5.2)	✓	
5. Is there any apparent groundwater in the tank excavation?		✓
6. A brief description of the surrounding land use is provided. (see Section 3.1)	✓	
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	✓	
8. A sketch or sketches showing the following items is provided:	✓	
- location and ID number for all field samples collected	✓	
- groundwater samples distinguished from soil samples (if applicable)	✓	
- samples collected from stockpiled excavated soil	NA	
- tank and piping locations and limits of excavation pit	NA	
- adjacent structures and streets	✓	
- approximate locations of any on-site and nearby utilities	✓	
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	NA	
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	✓	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	NA	

12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.		✓

SITE ASSESSOR INFORMATION

Corey Caggae — Person registered with Ecology

SoundEarth Strategies — Firm Affiliated with

Business Address: 2811 Fairview Ave. East Suite 200 — Street

Telephone: 206-1900

Seattle — City

WA — State

98102 — Zip Code

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

4/25/11 — Date

Signature of Person Registered with Ecology

If you need this publication in an alternate format, please contact Toxics Cleanup Program at (360) 407-7170. For persons with a speech or hearing impairment call 711 for relay service or 800-833-6388 for TTY.