FARALLON consulting

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June 8, 2009

COPY

Mr. Gary Schaeffer, President
F.R. McAbee, Inc.
9737 Holman Road Northwest
Seattle, Washington 98117

RE: SUMMARY OF SUBSURFACE INVESTIGATION RESULTS
KEY BANK PROPERTY
9735 HOLMAN ROAD NORTHWEST
SEATTLE, WASHINGTON
FARALLON PN: 221-001

Dear Mr. Schaeffer:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter report to provide a summary of the subsurface investigations conducted by Farallon and others at the Key Bank property located at 9735 Holman Road Northwest in Seattle, Washington (herein referred to as the Site) (Figure 1). The purpose of the subsurface investigations conducted by Farallon was to evaluate the potential release of petroleum hydrocarbons related to the historical operation of a gasoline station on the Site from approximately the 1950s through the early 1980s. In addition, reconnaissance sampling was conducted to assess the potential release and migration of the dry cleaning solvent tetrachloroethene (PCE) in soil vapor, soil, and/or groundwater related to the operation of a dry cleaner on the north-adjacent property.

This letter report includes a summary of the previous investigations conducted by others on the Site and adjacent properties, Farallon's investigations, and Farallon's conclusions pertaining to the nature and extent of petroleum hydrocarbon and PCE contamination at the Site.

SITE BACKGROUND

Farallon's understanding of the Site background is based on discussions with representatives of F.R. McAbee, Inc.; a review of previous investigations conducted at the Site and adjacent properties by others; and the results of multiple subsurface investigations conducted by Farallon between March and May 2009. A bibliography of the available information from previous investigations is included in Attachment A.

The Site comprises approximately 0.28 acre on King County Assessor Parcel Number 3626039099 and is currently developed with a two-story commercial office building. The ground level of the building is occupied by Key Bank and the upper level is used as office space by F.R. McAbee, Inc.

PREVIOUS INVESTIGATIONS – 1993 TO 2009

A Phase II Environmental Site Assessment (Phase II ESA) was conducted in 1993 by ATC Diagnostic Environmental Incorporated (ATC) at the north-adjacent Plaza Shopping Center (ATC

1993). The purpose of the Phase II ESA was to evaluate the potential release and migration of petroleum hydrocarbons onto the Plaza Shopping Center property related to the historic operation of a gasoline station at the Site. Borings B-1 through B-4 were advanced to depths of approximately 23 feet below ground surface (bgs) along the southwest property boundary of the Plaza Shopping Center property (Figure 2). The laboratory analytical results for soil samples collected from the four borings were reported non-detect for total petroleum hydrocarbons (TPH), including gasoline-range organics (GRO), diesel-range organics (DRO), and oil-range organics (ORO) analyzed by Washington State Department of Ecology (Ecology) Method WTPH-HCID.

A subsurface investigation was conducted in 1995 by SECOR International Incorporated (SECOR) at the Boy's Village property located at 9740 8th Avenue Northwest in Seattle, Washington, which is northwest of the Site across 7th Avenue Northwest (SECOR 1995a) (Figure 2). The purpose of the subsurface investigation was to assess groundwater and soil vapor at the Boy's Village property for the presence of TPH and volatile organic compounds (VOCs) to determine if the property had been impacted by the potential release and migration of TPH and/or VOCs from suspected sources off the property. Borings GPB-1 through GPB-3 were advanced on the west side of 7th Avenue Northwest, and soil vapor and reconnaissance groundwater samples were collected for laboratory analysis (Figure 2). Concentrations of the halogenated volatile organic compounds (HVOCs) PCE, trans 1,2-dichloroethene, and vinyl chloride were detected in the reconnaissance groundwater sample collected from boring GPB-2. A low concentration of DRO below the regulatory cleanup level for groundwater was also detected in the groundwater sample collected from boring GPB-2. Concentrations of GRO; benzene, toluene, ethylbenzene, and total xylenes (BTEX); PCE; and vinyl chloride were detected in the soil vapor samples collected from borings GPB-2 and/or GPB-3.

Hydro Geo Chem, Incorporated conducted a soil gas survey in June 1996 at the Boy's Village property, Plaza Shopping Center, and the Site (Hydro Geo Chem 1996). The soil gas survey consisted of advancing 22 soil gas probes to depths ranging from 3 to 5 feet bgs, and collecting and analyzing soil vapor samples for VOCs, including BTEX. Concentrations of PCE ranging from 2.5 to 2,900 micrograms per liter (µg/l) were detected in 20 of the 22 soil vapor samples. Concentrations of 1,1,1-thrichloroethane were also detected in two of the soil vapor samples. However, concentrations of BTEX were not detected above the laboratory practical quantitation limits in any of the soil vapor samples.

In January 1997, Ecology issued an Early Notice Letter to F.R. McAbee indicating that the Site would be added to the Ecology list of known or suspected contaminated sites (Ecology 1997a). The Site is currently listed in the Ecology Facility Site Database as FS ID 4706. A site hazard assessment (SHA) was conducted in March 2000 by Public Health—Seattle and King County (PHSKC), which recommended a No Further Action (NFA) determination for the Site (Ecology 2001). In February 2001, Ecology issued a memorandum indicating that they disagreed with the PHSKC recommendation for a NFA determination for the Site and recommended that a proper evaluation of the environmental conditions at the Site should be conducted (Ecology 2001). Ecology completed an updated SHA for the Site in February 2002, which concluded that further analysis of the Site was necessary (Ecology 2002). Based on a single concentration of GRO detected in a sample collected across the street, Ecology concluded that the gasoline service station formerly located at the Site would have been the sole source of gasoline contamination to the Boy's Village property (Ecology 2002).

A Phase I Environmental Assessment (Phase I ESA) was completed for the Site in January 2009 by EMG Corporation on behalf of American Equity Investment (EMG 2009). The Phase I ESA identified no recognized environmental conditions (RECs) or historic recognized environmental conditions (HRECs) for the Site except the historic operation of a gasoline station and activities associated with the north-adjacent dry cleaning operation. Farallon conducted a review of available information in early 2009 to identify additional information regarding the former gas station and dry cleaner on the adjacent property identified in the Phase I ESA. Farallon's review included Ecology files for the Site and adjacent properties, and reports provided by F.R. McAbee, Inc., which are listed in Attachment A.

As a result of Farallon's review, the following data gaps were identified for the Key Bank property:

- The potential release of petroleum hydrocarbons related to the historical operation of a gasoline station at the Site had not been characterized; and
- The potential release and migration of PCE from dry cleaning operations on the adjacent property had not been characterized.

SUBSURFACE INVESTIGATIONS – FARALLON 2009

In order to assess the potential release of petroleum hydrocarbons related to the historical operation of a gasoline station at the Site and to assess the potential release of dry cleaning solvents from the dry cleaner operation on the north-adjacent property, Farallon conducted two subsurface investigations at the Site on March 30 and May 6 and 7, 2009.

The subsurface investigations included the following scope of work:

- Advancing borings B1 through B11 at the Site (Figure 2);
- Collecting soil and reconnaissance groundwater samples;
- Installing a sub-slab vapor monitoring probe;
- Collecting a soil vapor sample; and
- Submitting soil, reconnaissance groundwater, and a soil vapor sample for laboratory analysis of GRO and/or VOCs.

The following subsections describe the field activities and results of the subsurface investigations conducted by Farallon.

SUBSURFACE INVESTIGATION FIELD ACTIVITIES

Farallon advanced borings B1 through B3 on March 30th and borings B4 through B11 on May 6th and 7th, 2009. Each boring was advanced to a depth ranging from 13 to 31 feet bgs. Soil samples were collected continuously during advancement of the each of the 11 direct-push borings. A Farallon Geologist observed subsurface conditions and retained soil samples from selected intervals for submittal to an analytical laboratory based on field indications of potential contamination. The information was recorded on boring logs which include the soil types encountered, visual and olfactory evidence of contaminant presence, and volatile organic vapor concentrations as measured in

the field using a photoionization detector. Soil samples were collected in laboratory-prepared containers for analysis.

Reconnaissance groundwater samples were collected from borings B2 through B5, B7 through B9, and B11 in accordance with standard EPA low-flow groundwater sampling procedures. A 2-inch outside-diameter casing was driven between 3 and 4 feet below the depth at which groundwater was first encountered to collect a reconnaissance groundwater sample. The outer casing was partially withdrawn, exposing a discrete portion of the water-bearing unit. Groundwater was extracted through the 0.25-inch-diameter tubing inserted down the 2-inch casing and using a peristaltic pump with a flow rate of less than 300 milliliters per minute a steady flow was established. Reconnaissance groundwater samples were collected in laboratory-prepared containers for analysis. Each boring was backfilled upon completion.

All soil cuttings, decontamination water, purge water, and other wastewater generated during the investigations was temporarily stored on the Site in labeled steel drums. The analytical results of the soil and groundwater samples will be used to develop a waste profile to determine waste disposal options.

Farallon also installed a Farallon VOC Monitoring System™ monitoring probe (FP1) through the floor slab on the north end of the Key Bank Building (Figure 2). The monitoring probe was installed to facilitate collection of representative sub-slab soil vapor samples to assess the potential migration of the PCE in the vadose zone from a potential release related to operation of a dry cleaner on the north-adjacent property.

SUBSURFACE INVESTIGATION RESULTS

The general stratigraphy encountered in borings B1 through B11 comprises silty sand underlain by silty sand and gravel to the total depth explored of 31 feet bgs. Groundwater was encountered at depths ranging from 13 to 19 feet bgs in borings B2 through B5, B7 through B9, and B11. No groundwater was encountered to the total depth drilled in borings B1, B6, or B10.

Select soil samples collected from each boring were analyzed for GRO, BTEX, and/or VOCs. The analytical results for the soil samples analyzed for GRO and BTEX are provided in Table 1 and the analytical results for the soils samples analyzed for HVOCs are presented in Table 2. The laboratory reports are provided in Attachment B.

Concentrations of GRO, benzene, ethylbenzene, and/or xylenes exceeding the Model Toxics Control Act Cleanup Regulation (MTCA) Method A cleanup levels were detected in soil samples collected from borings B2, B5, B6, and B9 located on the west side of the Site (Figure 3). The soil samples collected from the remaining borings B1, B3, B4, B7, B8, B10, and B11 advanced at the Site were reported either non-detect or below the applicable cleanup levels for GRO and BTEX (Figure 3, Table 1).

PCE and TCE were the only HVOCs detected at concentrations exceeding the MTCA Method A cleanup levels in a soil sample collected from boring B1 located on the northwestern corner of the Site (Figure 4, Table 2). The soil samples collected from borings B2, B3, and B7 were reported non-detect for PCE and associated degradation products.

Reconnaissance groundwater samples collected from borings B2 through B5, B7 through B9, and B11 were analyzed for GRO and BTEX (Table 3). Concentrations of GRO and/or benzene exceeding the MTCA Method A cleanup levels were detected in reconnaissance groundwater samples collected from borings B2, B5, B7, and B9 located on the west side of the Site (Figure 5; Table 3). Naphthalene was also detected at a concentration exceeding the MTCA Method A cleanup level in the reconnaissance groundwater sample collected from boring B2. GRO and BTEX were reported either non-detect or below the MTCA Method A cleanup levels for the reconnaissance groundwater samples collected from borings B3, B4, B8, and B11.

Reconnaissance groundwater samples collected from borings B2, B3, and B7 were reported non-detect for all HVOCs, including PCE and associated degradation products (Figure 6; Table 4).

A soil vapor sample was collected from monitoring probe FP1 on March 31, 2009. The soil vapor sample was submitted for laboratory analysis of VOCs by U.S. Environmental Protection Agency Method 8260B. The laboratory analytical results for the soil vapor sample were reported non-detect at the laboratory practical quantitation limit for all VOCs. The laboratory analytical report for the soil vapor sample is included in Attachment B.

CONCLUSIONS

The following conclusions are based on the results of the subsurface investigations conducted by Farallon and others.

- The general stratigraphy encountered in borings advanced by Farallon during the subsurface investigations included silty sand and silty sand and gravel. These conditions are consistent with conditions observed by others during previous investigations near the Site;
- A shallow groundwater-bearing zone was encountered in 8 of the 11 borings at depths ranging from 13 to 19 feet bgs. These data indicate the presence of a perched discontinuous groundwater-bearing zone with an inferred groundwater flow direction to the west-northwest toward Pipers Creek. This is consistent with subsurface conditions encountered by others during previous investigations on the Boy's Village gym property and Plaza Shopping Center property;
- The soil sample analytical results for gasoline-range compounds indicate a localized area of soil contamination on the southwest portion of the Site, with concentrations of GRO and benzene exceeding the MTCA Method A cleanup levels (Figure 3). This localized area of soil contamination is bounded by borings B4 and B11 to the east and southeast, and borings B7 and B10 to the north and northwest. However, the areal extent to the west of the Site in the vicinity of boring B9 has not been characterized; and
- The reconnaissance groundwater analytical results indicate a localized area of groundwater contamination containing concentrations of GRO and/or benzene proximate to borings B2, B5, B7, and B9 located on the west side of the Site. Based on the inferred groundwater flow direction toward the west-northwest, the down-gradient extent of the dissolved groundwater plume has not been characterized;
- Concentrations of PCE and TCE exceeding the MTCA Method A cleanup levels for soil appear to be localized in northeastern portion of the Site proximate to boring B1. No HVOCs were detected in the soil or reconnaissance groundwater samples collected from borings B2,

B3, and B7 advanced at other areas on the Site. These data more than likely indicate migration from a suspected source related to the operation of a dry cleaner on the adjacent property to the north of the Site.

The results of the subsurface investigations conducted at the Site have identified a release of hazardous substances to soil and groundwater from source areas at the Site that exceed MTCA Method A cleanup levels. MTCA stipulates that owners and operators comply with the hazardous substance release reporting requirements outlined in WAC 173-340-300. These reporting requirements include 90-day notification to Ecology following discovery of a confirmed release. Based on the results of the subsurface investigation, it is likely that Ecology will require further characterization and/or remediation to address the confirmed soil and groundwater contamination on the Site.

CLOSING

Farallon appreciates the opportunity to provide F.R. McAbee, Inc. with environmental consulting services. Please contact either of the undersigned at (425) 295-0800 if you have any questions or comments regarding the results of the subsurface investigation.

Sincerely,

Farallon Consulting, L.L.C.

Brett T. Carp
Project Environmental Scientist

J. Riley Conkin, L.G.
Principal Geologist

State of Washington
Hydrogeologist
1840
Licensed Geologist
John Riley Conkin

Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan*
Figure 3, *Soil Analytical Results for Petroleum Hydrocarbons*
Figure 4, *Soil Analytical Results for HVOCs*
Figure 5, *Groundwater Results for Petroleum Hydrocarbons*
Figure 6, *Groundwater Results for HVOCs*

Table 1, *Soil Analytical Results for Petroleum Hydrocarbons*
Table 2, *Soil Analytical Results for HVOCs*
Table 3, *Groundwater Analytical Results for Petroleum Hydrocarbons*
Table 4, *Groundwater Analytical Results for HVOCs*

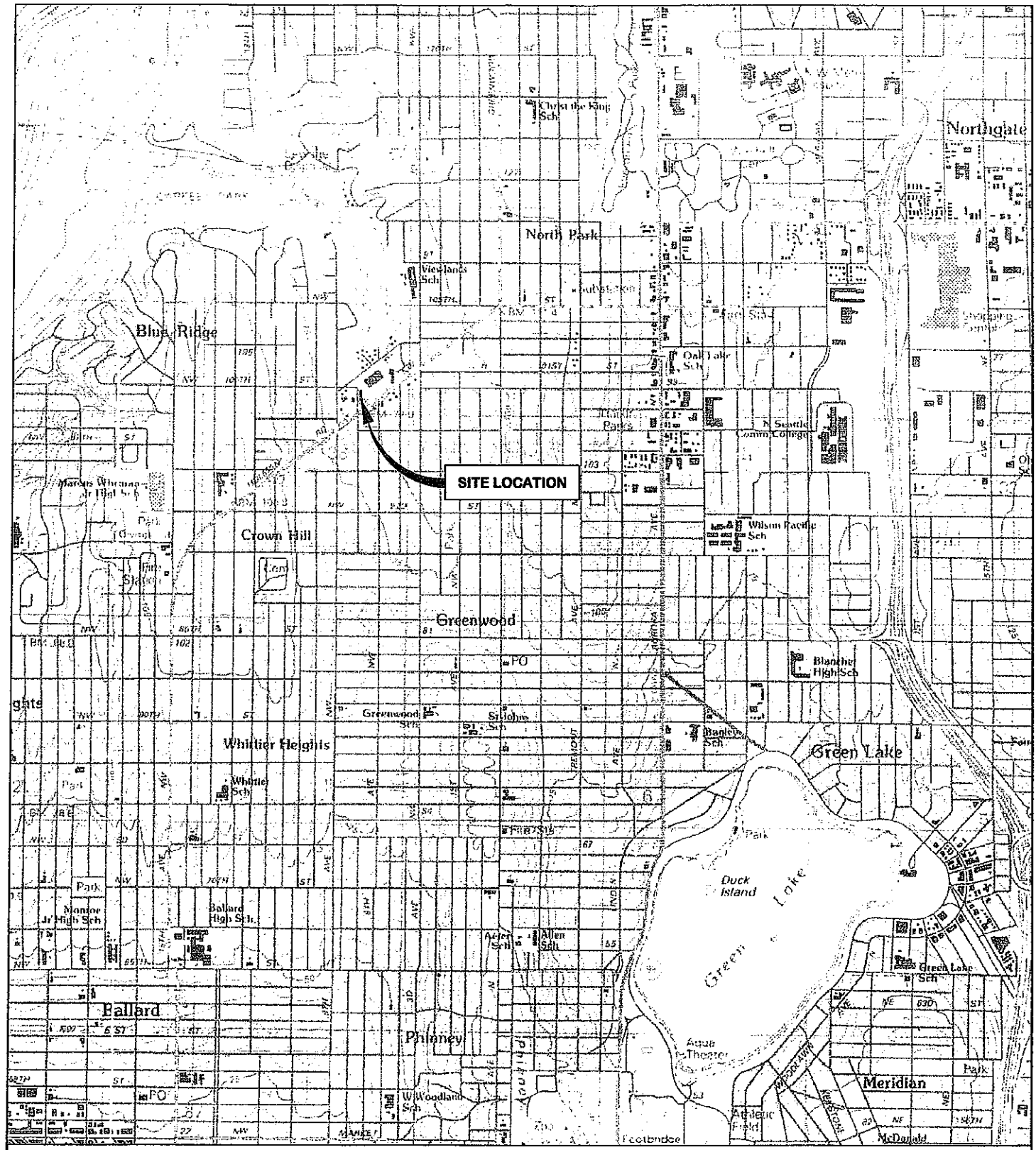
Attachment A – Bibliography
Attachment B – Laboratory Analytical Reports

BTC/JRC:bw

FIGURES

SUMMARY OF SUBSURFACE INVESTIGATION RESULTS
Key Bank Property
Seattle, Washington

Farallon PN: 221-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE SEATTLE NORTH, WASHINGTON. DATED 1953 AND PHOTOREVISED 1981

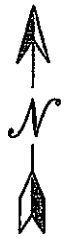


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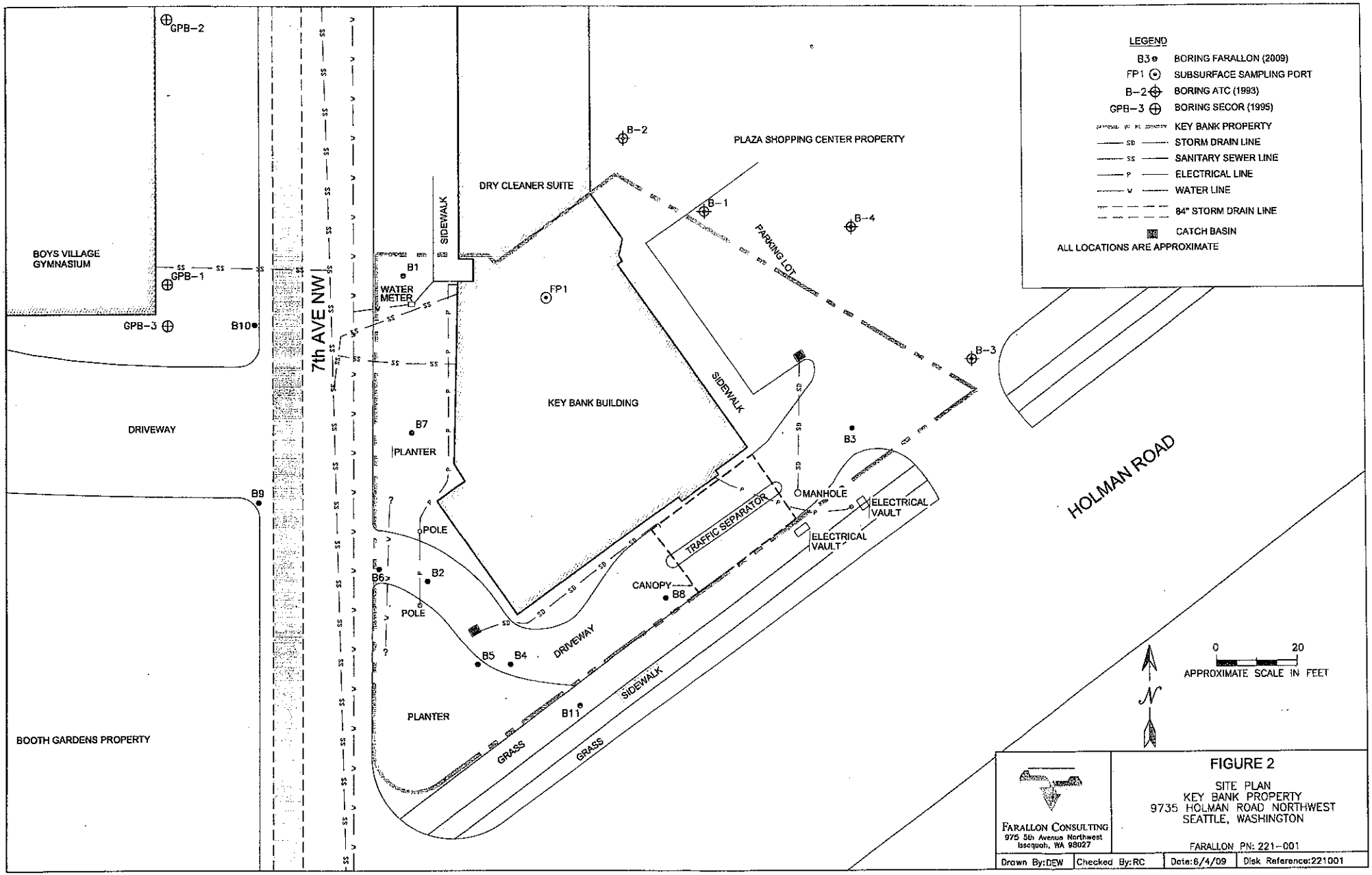
FIGURE 1

SITE VICINITY MAP
KEY BANK PROPERTY
9735 HOLMAN ROAD NORTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 221-001

Drawn By: DEW	Checked By: BC	Date: 5/28/09	Disk Reference: 221001


LEGEND
B3 BORING FARALLON (2009)
FP1 SUBSURFACE SAMPLING PORT
B-2 BORING ATC (1993)
GPB-3 BORING SECOR (1995)
KEY BANK PROPERTY
STORM DRAIN LINE
SANITARY SEWER LINE
ELECTRICAL LINE
WATER LINE
84" STORM DRAIN LINE
CATCH BASIN
ALL LOCATIONS ARE APPROXIMATE
GPB-2
GPB-1
GPB-3
B10
BOYS VILLAGE GYMNASIUM
DRIVEWAY
B9
7th AVE NW
B1
WATER METER
SIDEWALK
DRY CLEANER SUITE
B-2
PLAZA SHOPPING CENTER PROPERTY
B-1
B-4
PARKING LOT
FP1
KEY BANK BUILDING
B-3
SIDEWALK
B7
PLANTER
B3
HOLMAN ROAD
MANHOLE
ELECTRICAL VAULT
TRAFFIC SEPARATOR
ELECTRICAL VAULT
POLE
B6
B2
POLE
CANOPY
B8
DRIVEWAY
B5
B4
SIDEWALK
PLANTER
B11
GRASS
GRASS
BOOTH GARDENS PROPERTY
0
20
APPROXIMATE SCALE IN FEET
N
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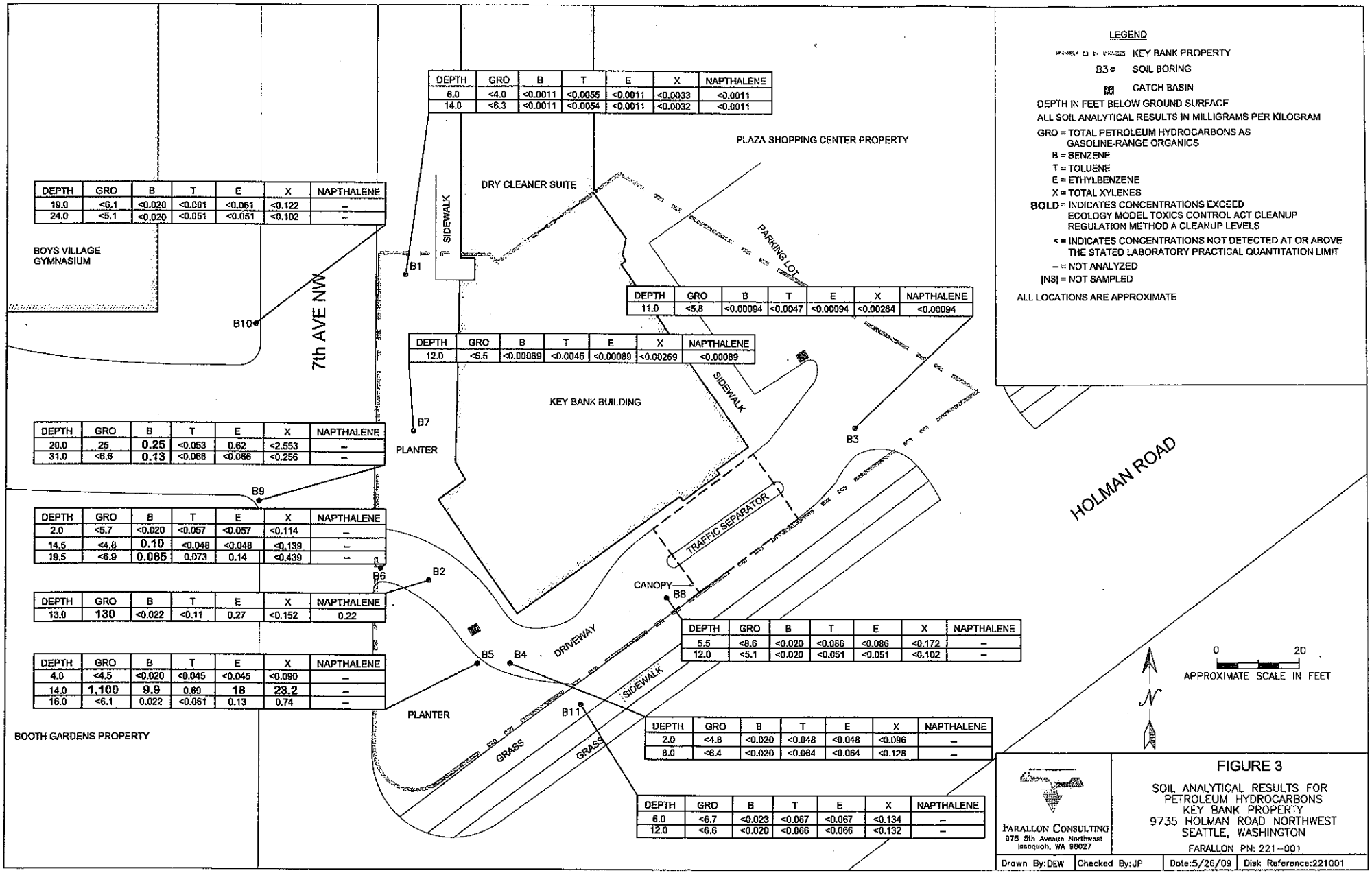
Issaquah, WA 98027
FIGURE 2
SITE PLAN
KEY BANK PROPERTY
9735 HOLMAN ROAD NORTHWEST
SEATTLE, WASHINGTON
FARALLON PN: 221-001
Drawn By:DEW
Checked By:RC
Date:6/4/09
Disk Reference:221001



DEPTH	GRO	B	T	E	X	NAPTHALENE
6.0	<4.0	<0.0011	<0.0055	<0.0011	<0.0033	<0.0011
14.0	<6.3	<0.0011	<0.0054	<0.0011	<0.0032	<0.0011

DEPTH	GRO	B	T	E	X	NAPTHALENE
19.0	<6.1	<0.020	<0.061	<0.061	<0.122	–
24.0	<5.1	<0.020	<0.051	<0.051	<0.102	–

DEPTH	GRO	B	T	E	X	NAPTHALENE
11.0	<5.8	<0.00094	<0.0047	<0.00094	<0.00284	<0.00094

DEPTH	GRO	B	T	E	X	NAPTHALENE
12.0	<5.5	<0.00089	<0.0045	<0.00089	<0.00269	<0.00089

DEPTH	GRO	B	T	E	X	NAPTHALENE
20.0	25	**0.25**	<0.053	0.62	<2.553	–
31.0	<6.6	**0.13**	<0.066	<0.066	<0.256	–

DEPTH	GRO	B	T	E	X	NAPTHALENE
2.0	<5.7	<0.020	<0.057	<0.057	<0.114	–
14.5	<4.8	**0.10**	<0.048	<0.048	<0.139	–
19.5	<6.9	**0.065**	0.073	0.14	<0.439	–

DEPTH	GRO	B	T	E	X	NAPTHALENE
13.0	**130**	<0.022	<0.11	0.27	<0.152	0.22

DEPTH	GRO	B	T	E	X	NAPTHALENE
4.0	<4.5	<0.020	<0.045	<0.045	<0.090	–
14.0	**1,100**	**9.9**	**0.69**	**18**	**23.2**	–
16.0	<6.1	0.022	<0.061	0.13	0.74	–

DEPTH	GRO	B	T	E	X	NAPTHALENE
5.5	<8.6	<0.020	<0.086	<0.086	<0.172	–
12.0	<5.1	<0.020	<0.051	<0.051	<0.102	–

DEPTH	GRO	B	T	E	X	NAPTHALENE
2.0	<4.8	<0.020	<0.048	<0.048	<0.096	–
8.0	<6.4	<0.020	<0.064	<0.064	<0.128	–

DEPTH	GRO	B	T	E	X	NAPTHALENE
6.0	<6.7	<0.023	<0.067	<0.067	<0.134	–
12.0	<6.6	<0.020	<0.066	<0.066	<0.132	–

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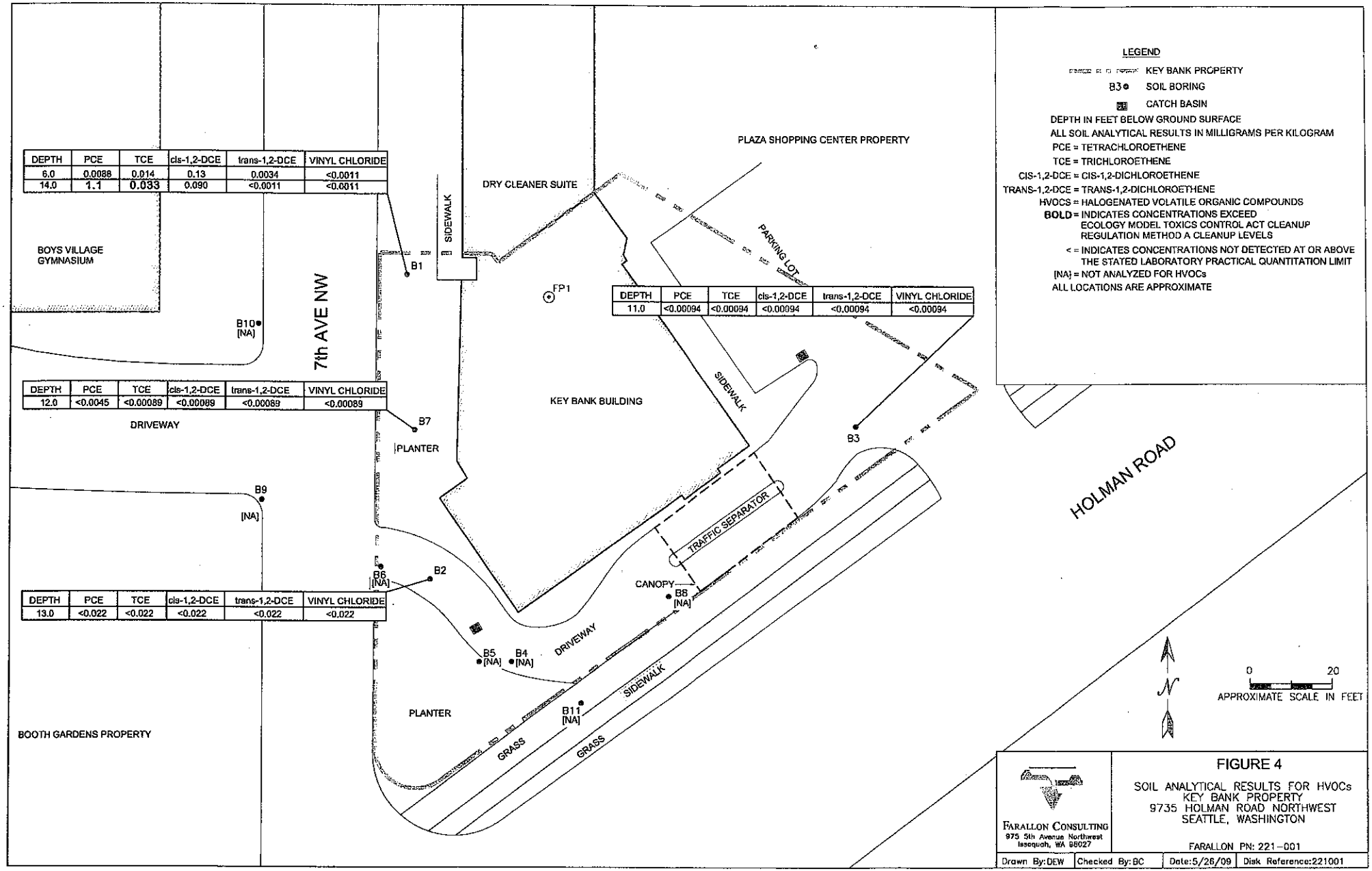
FIGURE 3

SOIL ANALYTICAL RESULTS FOR PETROLEUM HYDROCARBONS
KEY BANK PROPERTY
9735 HOLMAN ROAD NORTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 221-001

Drawn By: DEW	Checked By: JP	Date: 5/26/09	Disk Reference: 221001



DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VINYL CHLORIDE
6.0	0.0088	0.014	0.13	0.0034	<0.0011
14.0	1.1	0.033	0.090	<0.0011	<0.0011

DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VINYL CHLORIDE
11.0	<0.00094	<0.00094	<0.00094	<0.00094	<0.00094

DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VINYL CHLORIDE
12.0	<0.0045	<0.00089	<0.00089	<0.00089	<0.00089

DEPTH	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VINYL CHLORIDE
13.0	<0.022	<0.022	<0.022	<0.022	<0.022

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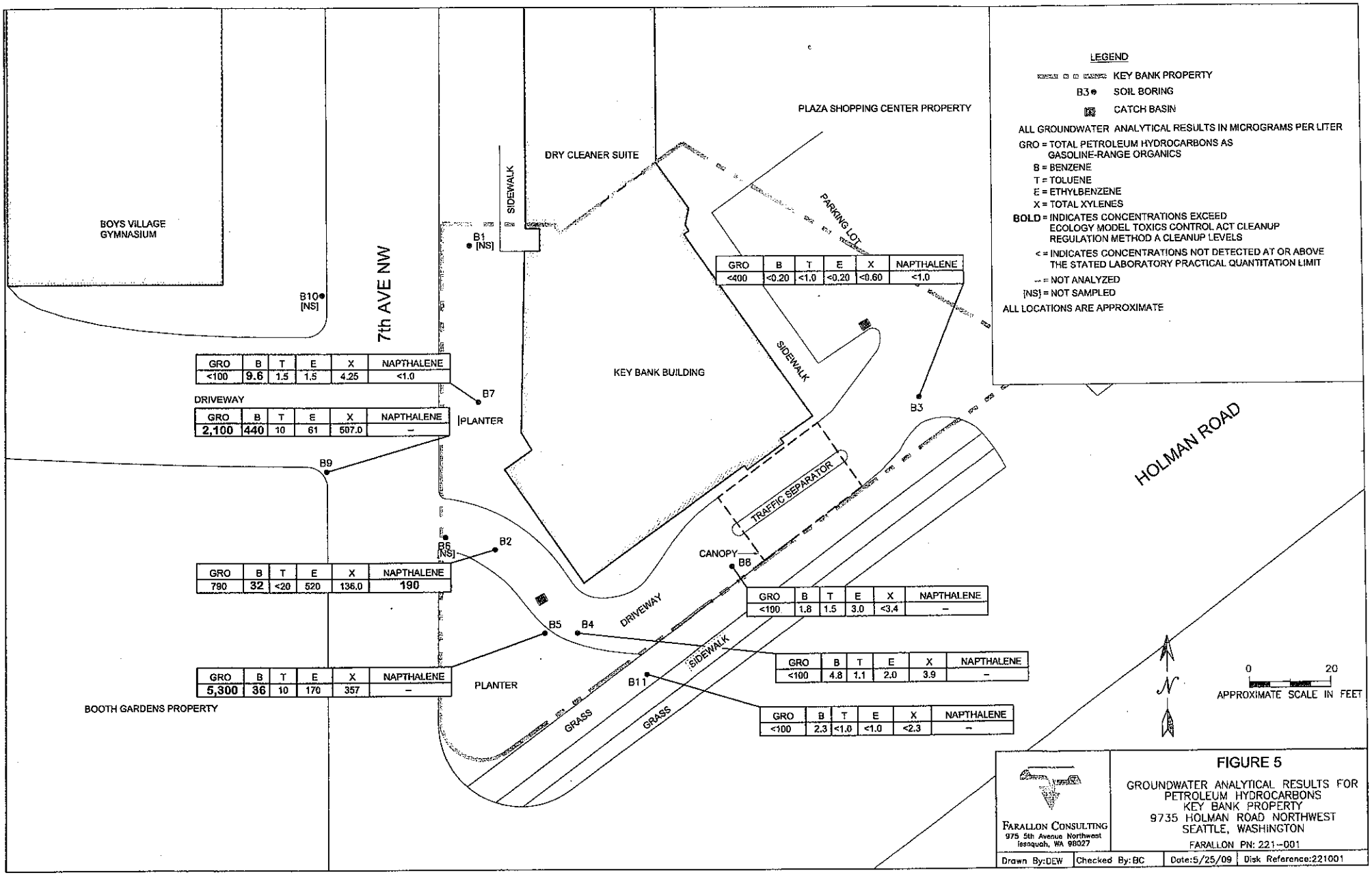
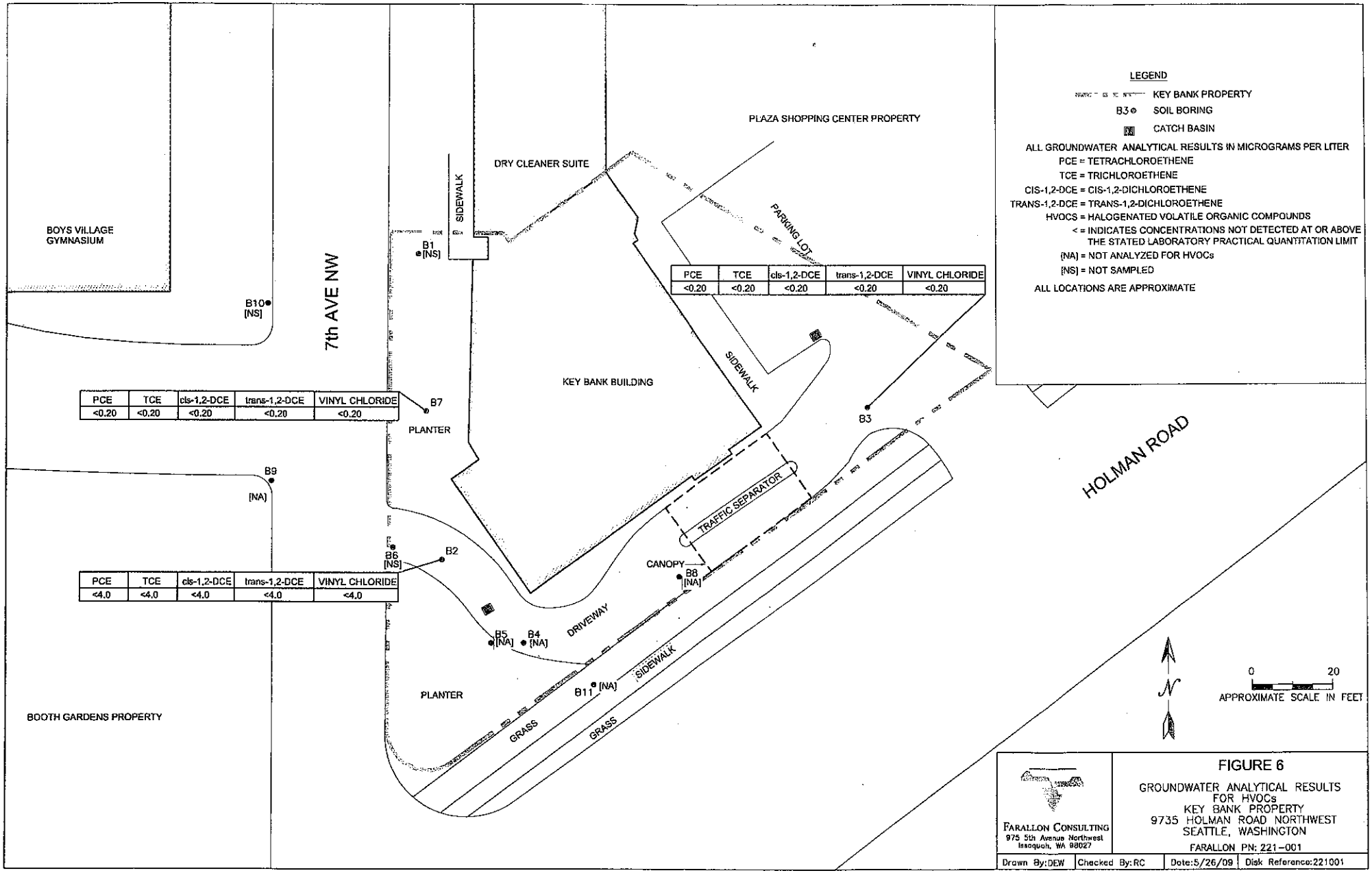
FIGURE 4

SOIL ANALYTICAL RESULTS FOR HVOCs
KEY BANK PROPERTY
9735 HOLMAN ROAD NORTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 221-001

Drawn By: DEW	Checked By: BC	Date: 5/26/09	Disk Reference: 221001


LEGEND
KEY BANK PROPERTY
B3 SOIL BORING
CATCH BASIN
ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER
GRO = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE-RANGE ORGANICS
B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = TOTAL XYLENES
BOLD = INDICATES CONCENTRATIONS EXCEED ECOLOGY MODEL TOXICS CONTROL ACT CLEANUP REGULATION METHOD A CLEANUP LEVELS
< = INDICATES CONCENTRATIONS NOT DETECTED AT OR ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT
-- = NOT ANALYZED
[NS] = NOT SAMPLED
ALL LOCATIONS ARE APPROXIMATE
PLAZA SHOPPING CENTER PROPERTY
DRY CLEANER SUITE
PARKING LOT
SIDEWALK
BOYS VILLAGE GYMNASIUM
7th AVE NW
KEY BANK BUILDING
SIDEWALK
HOLMAN ROAD
TRAFFIC SEPARATOR
CANOPY
DRIVEWAY
DRIVEWAY
PLANTER
PLANTER
SIDEWALK
GRASS
GRASS
BOOTH GARDENS PROPERTY
B1 [NS]
B2
B3
B4
B5
B6 [NS]
B7
B8
B9
B10 [NS]
B11
GRO B T E X NAPTHALENE
<400 <0.20 <1.0 <0.20 <0.60 <1.0
GRO B T E X NAPTHALENE
<100 9.6 1.5 1.5 4.25 <1.0
GRO B T E X NAPTHALENE
2,100 440 10 61 507.0 –
GRO B T E X NAPTHALENE
780 32 <20 520 136.0 190
GRO B T E X NAPTHALENE
5,300 36 10 170 357 –
GRO B T E X NAPTHALENE
<100 1.8 1.5 3.0 <3.4 –
GRO B T E X NAPTHALENE
<100 4.8 1.1 2.0 3.9 –
GRO B T E X NAPTHALENE
<100 2.3 <1.0 <1.0 <2.3 –
0 20
APPROXIMATE SCALE IN FEET
FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027
FIGURE 5
GROUNDWATER ANALYTICAL RESULTS FOR PETROLEUM HYDROCARBONS
KEY BANK PROPERTY
9735 HOLMAN ROAD NORTHWEST
SEATTLE, WASHINGTON
FARALLON PN: 221-001
Drawn By:DEW
Checked By:BC
Date:5/25/09
Disk Reference:221001



PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VINYL CHLORIDE
<0.20	<0.20	<0.20	<0.20	<0.20

PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VINYL CHLORIDE
<0.20	<0.20	<0.20	<0.20	<0.20

PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VINYL CHLORIDE
<4.0	<4.0	<4.0	<4.0	<4.0

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FIGURE 6

GROUNDWATER ANALYTICAL RESULTS FOR HVOCs
KEY BANK PROPERTY
9735 HOLMAN ROAD NORTHWEST
SEATTLE, WASHINGTON

FARALLON PN: 221-001

Drawn By: DEW	Checked By: RC	Date: 5/26/09	Disk Reference: 221001

TABLES

SUMMARY OF SUBSURFACE INVESTIGATION RESULTS
Key Bank Property
Seattle, Washington

Farallon PN: 221-001

Table 1
Soil Analytical Results for Petroleum Hydrocarbons
Key Bank Property
Seattle, Washington
Farallon PN: 221-001

Boring Identification	Sample Identification	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per kilogram)					
				Total Petroleum Hydrocarbons	Volatile Organic Compounds				
				GRO [2]	Benzene [3]	Toluene [3]	Ethylbenzene [3]	Total Xylenes [3]	Napthalene [3]
B1	033009-B1-2-6.0	3/30/2009	6.0	<4.0	<0.0011	<0.0055	<0.0011	<0.0033	<0.0011
	033009-B1-3-14.0	3/30/2009	14.0	<6.3	<0.0011	<0.0054	<0.0011	<0.0032	<0.0011
B2	033009-B2-3-13.0	3/30/2009	13.0	**130**	<0.022	<0.11	0.27	<0.066	0.22
B3	033009-B3-3-11.0	3/30/2009	11.0	<5.8	<0.00094	<0.0047	<0.00094	<0.00284	<0.00094
B4	050609-B4-1-2.0	5/6/2009	2.0	<4.8	<0.020	<0.048	<0.048	<0.096	--
	050609-B4-2-8.0	5/6/2009	8.0	<6.4	<0.020	<0.064	<0.064	<0.128	--
B5	050609-B5-1-4.0	5/6/2009	4.0	<4.5	<0.020	<0.045	<0.045	<0.090	--
	050609-B5-4-14.0	5/6/2009	14.0	**1,100**	**9.9**	0.69	**18**	**23.2**	--
	050609-B5-5-16.0	5/6/2009	16.0	<6.1	0.022	<0.061	0.13	0.74	--
B6	050609-B6-1-2.0	5/6/2009	2.0	<5.7	<0.020	<0.057	<0.057	<0.114	--
	050609-B6-2-14.5	5/6/2009	14.5	<4.8	**0.10**	<0.048	<0.048	<0.139	--
	050609-B6-3-19.5	5/6/2009	19.5	<6.9	**0.065**	0.073	0.14	<0.439	--
B7	050909-B7-3-12.0	5/6/2009	12.0	<5.5	<0.00089	<0.0045	<0.00089	<0.00269	<0.00089
B8	050609-B8-2-5.5	5/6/2009	5.5	<8.6	<0.020	<0.086	<0.086	<0.172	--
	050609-B8-3-12.0	5/6/2009	12.0	<5.1	<0.020	<0.051	<0.051	<0.102	--
B9	050709-B9-3-20.0	5/7/2009	20.0	25	**0.25**	<0.053	0.62	<2.553	--
	050709-B9-4-31.0	5/7/2009	31.0	<6.6	**0.13**	<0.066	<0.066	<0.256	--
B10	050709-B10-3-19.0	5/7/2009	19.0	<6.1	<0.020	<0.061	<0.061	<0.122	--
	050709-B10-4-24.0	5/7/2009	24.0	<5.1	<0.020	<0.051	<0.051	<0.102	--
B11	050709-B11-1-6.0	5/7/2009	6.0	<6.7	0.023	<0.067	<0.067	<0.134	--
	050709-B11-2-12.0	5/7/2009	12.0	<6.6	<0.020	<0.066	<0.066	<0.132	--
MTCA Method A Cleanup Levels for Soil [4]				**30**	**0.03**	**7**	**6**	**9**	**5**

NOTES:

Results in bold denote concentrations above applicable cleanup levels.

< denotes analyte not detected at or above the reporting limit listed.

-- = denotes sample not analyzed

GRO = total petroleum hydrocarbons as gasoline-range organics

[1] Depth in feet below ground surface.

[2] Analyzed by Northwest Method NWTPH-Gx/BTEX.

[3] Analyzed by U.S. Environmental Protection Agency Method 8260B or NWTPH-Gx/BTEX.

[4] Washington State Model Toxics Control Act (MTCA) Cleanup Regulation Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007.

Table 2
Soil Analytical Results for HVOCs
Key Bank Property
Seattle, Washington
Farallon PN: 221-001

Boring Identification	Sample Identification	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per kilogram) [2]				
				PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
B1	033009-B1-2-6.0	3/30/2009	6.0	0.0088	0.014	0.13	0.0034	<0.0011
	033009-B1-3-14.0	3/30/2009	14.0	**1.1**	**0.033**	0.090	<0.0011	<0.0011
B2	033009-B2-3-13.0	3/30/2009	13.0	<0.022	<0.022	<0.022	<0.022	<0.022
B3	033009-B3-3-11.0	3/30/2009	11.0	<0.00094	<0.00094	<0.00094	<0.00094	<0.00094
B7	050609-B7-3-12.0	5/6/2009	12.0	<0.0045	<0.00089	<0.00089	<0.00089	<0.00089
MTCA Cleanup Levels for Soil				**0.05** [3]	**0.03** [3]	**800** [4]	**1,600** [4]	**0.67** [4]

NOTES:

Results in bold denote concentrations above applicable cleanup levels.

< denotes analyte not detected at or above the listed laboratory practical quantitative limit.

[1] Depth in feet below ground surface.

[2] Analyzed by U.S. Environmental Protection Agency Method 8260B.

[3] Washington State Model Toxics Control Action Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007

[4] Washington State Department of Ecology Cleanup Levels and Risk Calculations under MTCA, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

cis-1,2-DCE = (cis) 1,2-Dichloroethene
HVOCs = halogenated volatile organic compounds
PCE = tetrachloroethene
TCE = trichloroethene
trans-1,2-DCE = (trans) 1,2-Dichloroethene

Table 3

Groundwater Analytical Results for Petroleum Hydrocarbons
Key Bank Property
Seattle, Washington
Farallon PN: 221-001

Boring Identification	Sample Identification	Sample Date	Analytical Results (micrograms per liter)					
			Total Petroleum Hydrocarbons	Volatile Organic Compounds				
			GRO [1]	Benzene [2]	Toluene [2]	Ethylbenzene [2]	Total Xylenes [2]	Naphthalene [2]
B2	033009-B2-GW	3/30/2009	790	**32**	<20	520	136.0	**190**
B3	033009-B3-GW	3/30/2009	<400	<0.20	<1.0	<0.20	<0.60	<1.0
B4	050609-B4-GW	5/6/2009	<100	4.8	1.1	2.0	3.9	--
B5	050609-B5-GW	5/6/2009	**5,300**	**36**	10	170	357	--
B7	050609-B7-GW	5/6/2009	<100	**9.6**	1.5	1.5	4.25	<1.0
B8	050609-B8-GW	5/6/2009	<100	1.8	1.5	3.0	<3.4	--
B9	050709-B9-GW	5/7/2009	**2,100**	**440**	10	61	507.0	--
B11	050709-B11-GW	5/7/2009	<100	2.3	<1.0	<1.0	<2.3	--
MTCA Method A Cleanup Levels for Groundwater [3]			**800**	**5**	**1,000**	**700**	**1,000**	**160**

NOTES:

Results in **bold** denote concentrations above applicable cleanup levels.

< denotes analyte not detected at or above the reporting limit listed.

-- = denotes sample not analyzed.

GRO = total petroleum hydrocarbons as gasoline-range organics

[1] Analyzed by Northwest Method NWTPH-Gx/BTEX.

[2] Analyzed by U.S. Environmental Protection Agency Method 8260B or NWTPH-Gx/BTEX.

[3] MTCA Method A Cleanup Levels for Groundwater , Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007.

Table 4
Groundwater Analytical Results for HVOCs
Key Bank Property
Seattle, Washington
Farallon PN: 221-001

Boring Identification	Sample Identification	Sample Date	Analytical Results (micrograms per liter) [2]				
			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
B2	033009-B2-GW	3/30/2009	<4.0	<4.0	<4.0	<4.0	<4.0
B3	033009-B3-GW	3/30/2009	<0.20	<0.20	<0.20	<0.20	<0.20
B7	050609-B7-GW	5/6/2009	<0.20	<0.20	<0.20	<0.20	<0.20
MTCA Cleanup Levels for Groundwater			**5** [3]	**5** [3]	**80** [4]	**160** [4]	**0.2** [3]

NOTES:

Results in **bold** denote concentrations above applicable cleanup levels.

< denotes analyte not detected at or above the reporting limit listed.

[1] Analyzed by Northwest Method NWTPH-Gx/BTEX.

[2] Analyzed by U.S. Environmental Protection Agency Method 8260B.

[3] Washington State Model Toxics Control Action Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended November 2007

[4] Washington State Department of Ecology Cleanup Levels and Risk Calculations under MTCA, Version 3.1 Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

cis-1,2-DCE = (cis) 1,2-Dichloroethene

HVOCs = halogenated volatile organic compounds

PCE = tetrachloroethene

TCE = trichloroethene

trans-1,2-DCE = (trans) 1,2-Dichloroethene

ATTACHMENT A
BIBLIOGRAPHY

SUMMARY OF SUBSURFACE INVESTIGATION RESULTS
Key Bank Property
Seattle, Washington

Farallon PN: 221-001

BIBLIOGRAPHY

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ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

SUMMARY OF SUBSURFACE INVESTIGATION RESULTS
Key Bank Property
Seattle, Washington

Farallon PN: 221-001

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 3, 2009

Brett Carp
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 221-001
Laboratory Reference No. 0903-190

Dear Brett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 31, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: April 3, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-190
Project: 221-001

Case Narrative

Samples were collected on March 31, 2009, and received by the laboratory on March 31, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: April 3, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-190
Project: 221-001

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	3-31-09
Date Analyzed:	3-31-09
Matrix:	Air
Units:	ug/L (ppb)
Lab ID:	03-190-01
Client ID:	**033109-FP1**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		5.0
Vinyl Chloride	ND		1.0
Bromomethane	ND		1.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		25
Iodomethane	ND		5.0
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-dichloroethene	ND		1.0
Methyl t-Butyl Ether	ND		1.0
1,1-Dichloroethane	ND		1.0
Vinyl Acetate	ND		10
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	ND		1.0
2-Butanone	ND		25
Bromochloromethane	ND		1.0
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		1.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		1.0
Bromodichloromethane	ND		1.0
2-Chloroethyl Vinyl Ether	ND		5.0
(cis) 1,3-Dichloropropene	ND		1.0
Methyl Isobutyl Ketone	ND		10
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		1.0

Date of Report: April 3, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-190
Project: 221-001

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 03-190-01
Client ID: 033109-FP1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	ND		1.0
1,3-Dichloropropane	ND		1.0
2-Hexanone	ND		10
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		5.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		5.0
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		1.0
Naphthalene	ND		5.0
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	71-126
Toluene-d8	91	76-116
4-Bromofluorobenzene	86	70-123

Date of Report: April 3, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-190
Project: 221-001

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	3-31-09
Date Analyzed:	3-31-09
Matrix:	Air
Units:	ug/L (ppb)
Lab ID:	MB0331A1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.0
Chloromethane	ND		5.0
Vinyl Chloride	ND		1.0
Bromomethane	ND		1.0
Chloroethane	ND		5.0
Trichlorofluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
Acetone	ND		25
Iodomethane	ND		5.0
Carbon Disulfide	ND		1.0
Methylene Chloride	ND		5.0
(trans) 1,2-dichloroethene	ND		1.0
Methyl t-Butyl Ether	ND		1.0
1,1-Dichloroethane	ND		1.0
Vinyl Acetate	ND		10
2,2-Dichloropropane	ND		1.0
(cis) 1,2-Dichloroethene	ND		1.0
2-Butanone	ND		25
Bromochloromethane	ND		1.0
Chloroform	ND		1.0
1,1,1-Trichloroethane	ND		1.0
Carbon Tetrachloride	ND		1.0
1,1-Dichloropropene	ND		1.0
Benzene	ND		1.0
1,2-Dichloroethane	ND		1.0
Trichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
Dibromomethane	ND		1.0
Bromodichloromethane	ND		1.0
2-Chloroethyl Vinyl Ether	ND		5.0
(cis) 1,3-Dichloropropene	ND		1.0
Methyl Isobutyl Ketone	ND		10
Toluene	ND		5.0
(trans) 1,3-Dichloropropene	ND		1.0

Date of Report: April 3, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-190
Project: 221-001

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0331A1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.0
Tetrachloroethene	ND		1.0
1,3-Dichloropropane	ND		1.0
2-Hexanone	ND		10
Dibromochloromethane	ND		1.0
1,2-Dibromoethane	ND		1.0
Chlorobenzene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
Ethylbenzene	ND		1.0
m,p-Xylene	ND		2.0
o-Xylene	ND		1.0
Styrene	ND		1.0
Bromoform	ND		5.0
Isopropylbenzene	ND		1.0
Bromobenzene	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
n-Propylbenzene	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
p-Isopropyltoluene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
1,2-Dichlorobenzene	ND		1.0
n-Butylbenzene	ND		1.0
1,2-Dibromo-3-chloropropane	ND		5.0
1,2,4-Trichlorobenzene	ND		1.0
Hexachlorobutadiene	ND		1.0
Naphthalene	ND		5.0
1,2,3-Trichlorobenzene	ND		1.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	71-126
Toluene-d8	94	76-116
4-Bromofluorobenzene	92	70-123

Date of Report: April 3, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-190
Project: 221-001

VOLATILES by EPA 8260B
DUPLICATE QUALITY CONTROL
Page 1 of 2

Date Extracted:	3-31-09
Date Analyzed:	3-31-09
Matrix:	Air
Units:	ug/L (ppb)
Lab ID:	03-195-01

Compound	Sample	Duplicate	Flags	RPD
Dichlorodifluoromethane	ND	ND		NA
Chloromethane	ND	ND		NA
Vinyl Chloride	ND	ND		NA
Bromomethane	ND	ND		NA
Chloroethane	ND	ND		NA
Trichlorofluoromethane	ND	ND		NA
1,1-Dichloroethene	ND	ND		NA
Acetone	ND	ND		NA
Iodomethane	ND	ND		NA
Carbon Disulfide	ND	ND		NA
Methylene Chloride	ND	ND		NA
(trans) 1,2-Dichloroethene	ND	ND		NA
Methyl t-Butyl Ether	ND	ND		NA
1,1-Dichloroethane	ND	ND		NA
Vinyl Acetate	ND	ND		NA
2,2-Dichloropropane	ND	ND		NA
(cis) 1,2-Dichloroethene	ND	ND		NA
2-Butanone	ND	ND		NA
Bromochloromethane	ND	ND		NA
Chloroform	ND	ND		NA
1,1,1-Trichloroethane	ND	ND		NA
Carbon Tetrachloride	ND	ND		NA
1,1-Dichloropropene	ND	ND		NA
Benzene	ND	ND		NA
1,2-Dichloroethane	ND	ND		NA
Trichloroethene	ND	ND		NA
1,2-Dichloropropane	ND	ND		NA
Dibromomethane	ND	ND		NA
Bromodichloromethane	ND	ND		NA
2-Chloroethyl Vinyl Ether	ND	ND		NA
(cis) 1,3-Dichloropropene	ND	ND		NA
Methyl Isobutyl Ketone	ND	ND		NA
Toluene	ND	ND		NA
(trans) 1,3-Dichloropropene	ND	ND		NA

Date of Report: April 3, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-190
Project: 221-001

VOLATILES by EPA 8260B
DUPLICATE QUALITY CONTROL
Page 2 of 2

Lab ID: 03-195-01

Compound	Sample	Duplicate	Flags	RPD
1,1,2-Trichloroethane	ND	ND		NA
Tetrachloroethene	1.58	1.64		4
1,3-Dichloropropane	ND	ND		NA
2-Hexanone	ND	ND		NA
Dibromochloromethane	ND	ND		NA
1,2-Dibromoethane	ND	ND		NA
Chlorobenzene	ND	ND		NA
1,1,1,2-Tetrachloroethane	ND	ND		NA
Ethylbenzene	ND	ND		NA
m,p-Xylene	ND	ND		NA
o-Xylene	ND	ND		NA
Styrene	ND	ND		NA
Bromoform	ND	ND		NA
Isopropylbenzene	ND	ND		NA
Bromobenzene	ND	ND		NA
1,1,2,2-Tetrachloroethane	ND	ND		NA
1,2,3-Trichloropropane	ND	ND		NA
n-Propylbenzene	ND	ND		NA
2-Chlorotoluene	ND	ND		NA
4-Chlorotoluene	ND	ND		NA
1,3,5-Trimethylbenzene	ND	ND		NA
tert-Butylbenzene	ND	ND		NA
1,2,4-Trimethylbenzene	ND	ND		NA
sec-Butylbenzene	ND	ND		NA
1,3-Dichlorobenzene	ND	ND		NA
p-Isopropyltoluene	ND	ND		NA
1,4-Dichlorobenzene	ND	ND		NA
1,2-Dichlorobenzene	ND	ND		NA
n-Butylbenzene	ND	ND		NA
1,2-Dibromo-3-chloropropane	ND	ND		NA
1,2,4-Trichlorobenzene	ND	ND		NA
Hexachlorobutadiene	ND	ND		NA
Naphthalene	ND	ND		NA
1,2,3-Trichlorobenzene	ND	ND		NA

Surrogate	Percent Recovery	Percent Recovery	Control Limits
Dibromofluoromethane	84	84	71-126
Toluene, d8	89	95	76-116
4-Bromofluorobenzene	93	93	70-123

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Farallon

Project Number: 22101

Project Name: Ice Bank

Project Manager: Brett Coop

Sampled by: Jon Peterson

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 03-190

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	033109-EP1	3/31/09	1000	A	1				X										

	Signature	Company	Date	Time
Relinquished by		Farallon	3/31/09	1000
Received by		ORE	3/31/09	1100
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Special Instructions:

Hold for Riley or Brett's instructions

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy; Yellow - Report Copy; Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 21, 2009

Brett Carp
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 221-001
Laboratory Reference No. 0903-191

Dear Brett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 31, 2009.

Please note that this is a *revised* report and replaces the report dated April 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

Case Narrative

Samples were collected on March 30, 2009, and received by the laboratory on March 31, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA cleanup levels are non-achievable for sample 033009-B2-3-13.0 due to the necessary dilution of the sample.

On April 15, 2009, the client requested that sample 033009-B2-3-13.0 be re-extracted and re-analyzed in order to meet certain cleanup levels. The sample was therefore re-extracted and re-analyzed two days out of hold time.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

NWTPH-Gx

Date Extracted:	4-3-09	
Date Analyzed:	4-3-09	
Matrix: Soil		
Units: mg/kg (ppm)		
Client ID:	**033009-B1-2-6.0**	**033009-B1-3-14.0**
Lab ID:	03-191-02	03-191-03

	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		4.0	**ND**		6.3
Surrogate Recovery: Fluorobenzene	78%			82%		

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

NWTPH-Gx

Date Extracted: 4-3-09
Date Analyzed: 4-3-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**033009-B2-3-13.0**			**033009-B3-3-11.0**		
Lab ID:	03-191-06			03-191-11		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**130**		4.9	**ND**		5.8
Surrogate Recovery:						
Fluorobenzene	91%			80%		

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	4-3-09
Date Analyzed:	4-3-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB0403S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	87%		

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 4-3-09
Date Analyzed: 4-3&6-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	03-191-02 **Original**	03-191-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	78%	112%		

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

NWTPH-Gx

Date Extracted: 4-3-09
Date Analyzed: 4-3-09

Matrix: Water
Units: ug/L (ppb)

Client ID:	**033009-B2-GW**			**033009-B3-GW**		
Lab ID:	03-191-08			03-191-12		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**790**		400	**ND**		400
Surrogate Recovery:						
Fluorobenzene	84%			83%		

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 4-3-09
Date Analyzed: 4-3-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0403W1

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	82%		

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 4-3-09
Date Analyzed: 4-3-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	03-186-01 **Original**	03-186-01 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery: Fluorobenzene	83%	82%		

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
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Date Extracted:	4-1-09
Date Analyzed:	4-1-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	03-191-02
Client ID:	**033009-B1-2-6.0**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0055
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0055
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.026		0.0055
Iodomethane	ND		0.0055
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0055
(trans) 1,2-Dichloroethene	0.0034		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0055
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	0.13		0.0011
2-Butanone	ND		0.0055
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	0.014		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0055
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0055
Toluene	ND		0.0055
(trans) 1,3-Dichloropropene	ND		0.0011

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 03-191-02
Client ID: 033009-B1-2-6.0

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	0.0088		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0055
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0055
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0055
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	99	70-118
Toluene-d8	103	70-121
4-Bromofluorobenzene	95	70-130

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	4-1-09
Date Analyzed:	4-1-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	03-191-03
Client ID:	**033009-B1-3-14.0**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	ND		0.0054
Iodomethane	ND		0.0054
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	0.090		0.0011
2-Butanone	ND		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	0.033		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0054
Toluene	ND		0.0054
(trans) 1,3-Dichloropropene	ND		0.0011

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
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Lab ID: 03-191-03
Client ID: 033009-B1-3-14.0

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	1.1		0.058
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0021
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	70-118
Toluene-d8	102	70-121
4-Bromofluorobenzene	93	70-130

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	4-15-09
Date Analyzed:	4-15-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	03-191-06
Client ID:	**033009-B2-3-13.0**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.022
Chloromethane	ND		0.11
Vinyl Chloride	ND		0.022
Bromomethane	ND		0.022
Chloroethane	ND		0.11
Trichlorofluoromethane	ND		0.022
1,1-Dichloroethene	ND		0.022
Acetone	ND		0.11
Iodomethane	ND		0.11
Carbon Disulfide	ND		0.022
Methylene Chloride	ND		0.11
(trans) 1,2-Dichloroethene	ND		0.022
Methyl t-Butyl Ether	ND		0.022
1,1-Dichloroethane	ND		0.022
Vinyl Acetate	ND		0.11
2,2-Dichloropropane	ND		0.022
(cis) 1,2-Dichloroethene	ND		0.022
2-Butanone	ND		0.11
Bromochloromethane	ND		0.022
Chloroform	ND		0.022
1,1,1-Trichloroethane	ND		0.022
Carbon Tetrachloride	ND		0.022
1,1-Dichloropropene	ND		0.022
Benzene	ND		0.022
1,2-Dichloroethane	ND		0.022
Trichloroethene	ND		0.022
1,2-Dichloropropane	ND		0.022
Dibromomethane	ND		0.022
Bromodichloromethane	ND		0.022
2-Chloroethyl Vinyl Ether	ND		0.11
(cis) 1,3-Dichloropropene	ND		0.022
Methyl Isobutyl Ketone	ND		0.11
Toluene	ND		0.11
(trans) 1,3-Dichloropropene	ND		0.022

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 03-191-06
Client ID: 033009-B2-3-13.0

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.022
Tetrachloroethene	ND		0.022
1,3-Dichloropropane	ND		0.022
2-Hexanone	ND		0.11
Dibromochloromethane	ND		0.022
1,2-Dibromoethane	ND		0.022
Chlorobenzene	ND		0.022
1,1,1,2-Tetrachloroethane	ND		0.022
Ethylbenzene	0.27		0.022
m,p-Xylene	ND		0.044
o-Xylene	ND		0.022
Styrene	ND		0.022
Bromoform	ND		0.022
Isopropylbenzene	0.13		0.022
Bromobenzene	ND		0.022
1,1,2,2-Tetrachloroethane	ND		0.022
1,2,3-Trichloropropane	ND		0.022
n-Propylbenzene	0.53		0.022
2-Chlorotoluene	ND		0.022
4-Chlorotoluene	ND		0.022
1,3,5-Trimethylbenzene	ND		0.022
tert-Butylbenzene	ND		0.022
1,2,4-Trimethylbenzene	0.10		0.022
sec-Butylbenzene	0.12		0.022
1,3-Dichlorobenzene	ND		0.022
p-Isopropyltoluene	0.029		0.022
1,4-Dichlorobenzene	ND		0.022
1,2-Dichlorobenzene	ND		0.022
n-Butylbenzene	0.43		0.022
1,2-Dibromo-3-chloropropane	ND		0.11
1,2,4-Trichlorobenzene	ND		0.022
Hexachlorobutadiene	ND		0.11
Naphthalene	0.22		0.022
1,2,3-Trichlorobenzene	ND		0.022

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	70-118
Toluene-d8	78	70-121
4-Bromofluorobenzene	108	70-130

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	4-1-09
Date Analyzed:	4-1-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	03-191-11
Client ID:	**033009-B3-3-11.0**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00094
Chloromethane	ND		0.0047
Vinyl Chloride	ND		0.00094
Bromomethane	ND		0.00094
Chloroethane	ND		0.0047
Trichlorofluoromethane	ND		0.00094
1,1-Dichloroethene	ND		0.00094
Acetone	ND		0.0047
Iodomethane	ND		0.0047
Carbon Disulfide	ND		0.00094
Methylene Chloride	ND		0.0047
(trans) 1,2-Dichloroethene	ND		0.00094
Methyl t-Butyl Ether	ND		0.00094
1,1-Dichloroethane	ND		0.00094
Vinyl Acetate	ND		0.0047
2,2-Dichloropropane	ND		0.00094
(cis) 1,2-Dichloroethene	ND		0.00094
2-Butanone	ND		0.0047
Bromochloromethane	ND		0.00094
Chloroform	ND		0.00094
1,1,1-Trichloroethane	ND		0.00094
Carbon Tetrachloride	ND		0.00094
1,1-Dichloropropene	ND		0.00094
Benzene	ND		0.00094
1,2-Dichloroethane	ND		0.00094
Trichloroethene	ND		0.00094
1,2-Dichloropropane	ND		0.00094
Dibromomethane	ND		0.00094
Bromodichloromethane	ND		0.00094
2-Chloroethyl Vinyl Ether	ND		0.0047
(cis) 1,3-Dichloropropene	ND		0.00094
Methyl Isobutyl Ketone	ND		0.0047
Toluene	ND		0.0047
(trans) 1,3-Dichloropropene	ND		0.00094

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Lab ID: 03-191-11
Client ID: 033009-B3-3-11.0

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00094
Tetrachloroethene	ND		0.00094
1,3-Dichloropropane	ND		0.00094
2-Hexanone	ND		0.0047
Dibromochloromethane	ND		0.00094
1,2-Dibromoethane	ND		0.00094
Chlorobenzene	ND		0.00094
1,1,1,2-Tetrachloroethane	ND		0.00094
Ethylbenzene	ND		0.00094
m,p-Xylene	ND		0.0019
o-Xylene	ND		0.00094
Styrene	ND		0.00094
Bromoform	ND		0.00094
Isopropylbenzene	ND		0.00094
Bromobenzene	ND		0.00094
1,1,2,2-Tetrachloroethane	ND		0.00094
1,2,3-Trichloropropane	ND		0.00094
n-Propylbenzene	ND		0.00094
2-Chlorotoluene	ND		0.00094
4-Chlorotoluene	ND		0.00094
1,3,5-Trimethylbenzene	0.0012		0.00094
tert-Butylbenzene	ND		0.00094
1,2,4-Trimethylbenzene	0.0029		0.00094
sec-Butylbenzene	ND		0.00094
1,3-Dichlorobenzene	ND		0.00094
p-Isopropyltoluene	ND		0.00094
1,4-Dichlorobenzene	ND		0.00094
1,2-Dichlorobenzene	ND		0.00094
n-Butylbenzene	ND		0.00094
1,2-Dibromo-3-chloropropane	ND		0.0047
1,2,4-Trichlorobenzene	ND		0.00094
Hexachlorobutadiene	ND		0.0047
Naphthalene	ND		0.00094
1,2,3-Trichlorobenzene	ND		0.00094

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	70-118
Toluene-d8	105	70-121
4-Bromofluorobenzene	94	70-130

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Date Extracted: 4-1-09
Date Analyzed: 4-1-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0401S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB0401S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	99	70-118
Toluene-d8	101	70-121
4-Bromofluorobenzene	95	70-130

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Date Extracted:	4-15-09
Date Analyzed:	4-15-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0415S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB0415S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	70-118
Toluene-d8	86	70-121
4-Bromofluorobenzene	108	70-130

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 4-1-09
Date Analyzed: 4-1-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0401S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0423	85	0.0426	85	70-130	
Benzene	0.0500	0.0446	89	0.0424	85	70-128	
Trichloroethene	0.0500	0.0480	96	0.0516	103	73-121	
Toluene	0.0500	0.0418	84	0.0452	90	74-122	
Chlorobenzene	0.0500	0.0480	96	0.0483	97	76-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	15	
Benzene	5	12	
Trichloroethene	7	17	
Toluene	8	14	
Chlorobenzene	1	13	

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 4-15-09
Date Analyzed: 4-15-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0415S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0574	115	0.0590	118	70-130	
Benzene	0.0500	0.0491	98	0.0494	99	70-128	
Trichloroethene	0.0500	0.0541	108	0.0554	111	73-121	
Toluene	0.0500	0.0514	103	0.0535	107	74-122	
Chlorobenzene	0.0500	0.0531	106	0.0528	106	76-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	15	
Benzene	0	12	
Trichloroethene	2	17	
Toluene	4	14	
Chlorobenzene	1	13	

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Date Extracted:	4-1-09
Date Analyzed:	4-1-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	03-191-08
Client ID:	**033009-B2-GW**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		4.0
Chloromethane	ND		20
Vinyl Chloride	ND		4.0
Bromomethane	ND		4.0
Chloroethane	ND		20
Trichlorofluoromethane	ND		4.0
1,1-Dichloroethene	ND		4.0
Acetone	ND		100
Iodomethane	ND		20
Carbon Disulfide	ND		4.0
Methylene Chloride	ND		20
(trans) 1,2-Dichloroethene	ND		4.0
Methyl t-Butyl Ether	ND		4.0
1,1-Dichloroethane	ND		4.0
Vinyl Acetate	ND		40
2,2-Dichloropropane	ND		4.0
(cis) 1,2-Dichloroethene	ND		4.0
2-Butanone	ND		100
Bromochloromethane	ND		4.0
Chloroform	ND		4.0
1,1,1-Trichloroethane	ND		4.0
Carbon Tetrachloride	ND		4.0
1,1-Dichloropropene	ND		4.0
Benzene	32		4.0
1,2-Dichloroethane	ND		4.0
Trichloroethene	ND		4.0
1,2-Dichloropropane	ND		4.0
Dibromomethane	ND		4.0
Bromodichloromethane	ND		4.0
2-Chloroethyl Vinyl Ether	ND		20
(cis) 1,3-Dichloropropene	ND		4.0
Methyl Isobutyl Ketone	ND		40
Toluene	ND		20
(trans) 1,3-Dichloropropene	ND		4.0

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Lab ID: 03-191-08
Client ID: 033009-B2-GW

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		4.0
Tetrachloroethene	ND		4.0
1,3-Dichloropropane	ND		4.0
2-Hexanone	ND		40
Dibromochloromethane	ND		4.0
1,2-Dibromoethane	ND		4.0
Chlorobenzene	ND		4.0
1,1,1,2-Tetrachloroethane	ND		4.0
Ethylbenzene	520		4.0
m,p-Xylene	130		8.0
o-Xylene	6.0		4.0
Styrene	ND		4.0
Bromoform	ND		20
Isopropylbenzene	63		4.0
Bromobenzene	ND		4.0
1,1,2,2-Tetrachloroethane	ND		4.0
1,2,3-Trichloropropane	ND		4.0
n-Propylbenzene	190		4.0
2-Chlorotoluene	ND		4.0
4-Chlorotoluene	ND		4.0
1,3,5-Trimethylbenzene	41		4.0
tert-Butylbenzene	ND		4.0
1,2,4-Trimethylbenzene	160		4.0
sec-Butylbenzene	16		4.0
1,3-Dichlorobenzene	ND		4.0
p-Isopropyltoluene	5.3		4.0
1,4-Dichlorobenzene	ND		4.0
1,2-Dichlorobenzene	ND		4.0
n-Butylbenzene	ND		4.0
1,2-Dibromo-3-chloropropane	ND		20
1,2,4-Trichlorobenzene	ND		4.0
Hexachlorobutadiene	ND		4.0
Naphthalene	190		20
1,2,3-Trichlorobenzene	ND		4.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	104	71-126
Toluene-d8	94	76-116
4-Bromofluorobenzene	88	70-123

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Date Extracted:	4-1-09
Date Analyzed:	4-1-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	03-191-12
Client ID:	**033009-B3-GW**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

Date of Report: April 21, 2009
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Lab ID: 03-191-12
Client ID: 033009-B3-GW

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	71-126
Toluene-d8	94	76-116
4-Bromofluorobenzene	90	70-123

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Date Extracted:	4-1-09
Date Analyzed:	4-1-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0401W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Lab ID: MB0401W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	71-126
Toluene-d8	95	76-116
4-Bromofluorobenzene	85	70-123

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Laboratory Reference: 0903-191
Project: 221-001

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 4-1-09
Date Analyzed: 4-1-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0401W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	11.6	116	12.2	122	70-130	
Benzene	10.0	10.1	101	10.5	105	70-130	
Trichloroethene	10.0	9.85	99	9.79	98	70-116	
Toluene	10.0	9.87	99	9.79	98	76-119	
Chlorobenzene	10.0	9.93	99	10.1	101	77-112	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	5	20	
Benzene	4	16	
Trichloroethene	1	16	
Toluene	1	15	
Chlorobenzene	1	15	

Date of Report: April 21, 2009
Samples Submitted: March 31, 2009
Lab Traveler: 0903-191
Project: 221-001

% MOISTURE

Date Analyzed: 4-1-09

Client ID	Lab ID	% Moisture
033009-B1-2-6.0	03-191-02	10
033009-B1-3-14.0	03-191-03	9
033009-B2-3-13.0	03-191-06	10
033009-B3-3-11.0	03-191-11	10

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Phone (425) 883-3881 • Fax (425) 885-4603

Laboratory Number: 03-191

Company: Farallon
Project Number: 221001
Project Name: Key Bank
Project Manager: Bret Card
Sampled by: Jon Peterson

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ (other)

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	033009-B1-1-4.0	3-30-09	830	S	5		X		X										⊗
2	033009-B1-2-6.0		835	S	5		⊗		⊗										⊗
3	033009-B1-3-14.0		840	S	5		⊗		⊗										⊗
4	033009-B2-1-1.0		940	S	5		X		X										
5	033009-B2-2-9.0		945	S	5		X		X										
6	033009-B2-3-13.0		950	S	5		⊗		⊗										⊗
7	033009-B2-4-16.0		955	S	5		X		X										
8	033009-B2-GW		1000	W	5		⊗		⊗										
9	033009-B3-1-2.0		1130	S	5		X		X										⊗
10	033009-B3-2-7.0	↓	1135	S	5		X		X										⊗

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by		Farallon	3/31/09	0600	
Received by		ONSE	3/31/09	1100	
Relinquished by					
Received by					
Relinquished by					
Received by					
Reviewed by/Date		Reviewed by/Date			Chromatograms with final report ☐

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Chain of Custody

Page 2 of 2

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Farallon

Project Number: 221001

Project Name: Key Bank

Project Manager: Brett Carp

Sampled by: Jon Peterson

Turnaround Requested (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☑ Standard (7 working days) (TPH analysis 5 working days)
- ☐ (other)

Laboratory Number: 03-191

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
11	033009-B3-3-11.0	3/30/09	1140	S	5		X		X										X
12	033009-B3-GW	3/30/09	1145	W	5		X		X										

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by		Farallon	3/31/09	0800	1100 JP
Received by			3/31/09	1100	
Relinquished by					
Received by					
Relinquished by					
Received by					
Reviewed by/Date		Reviewed by/Date			Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy; Yellow - Report Copy; Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 18, 2009

Brett Carp
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 221-001
Laboratory Reference No. 0905-044

Dear Brett:

Enclosed are the analytical results and associated quality control data for samples submitted on May 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

Case Narrative

Samples were collected on May 6 and 7, 2009, and received by the laboratory on May 7, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX and Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-13-09
Date Analyzed: 5-13&14-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**050609-B4-2-8.0**			**050609-B5-4-14.0**		
Lab ID:	05-044-02			05-044-06		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**ND**		0.020	**9.9**		0.051
Toluene	**ND**		0.064	**0.69**		0.26
Ethyl Benzene	**ND**		0.064	**18**		0.26
m,p-Xylene	**ND**		0.064	**20**		1.0
o-Xylene	**ND**		0.064	**3.2**		0.26
TPH-Gas	**ND**		6.4	**1100**		26
Surrogate Recovery: Fluorobenzene	79%			----	S	

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted:	5-13-09
Date Analyzed:	5-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**050609-B5-5-16.0**			**050609-B6-2-14.5**		
Lab ID:	05-044-08			05-044-10		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**0.022**		0.020	**0.10**		0.020
Toluene	**ND**		0.061	**ND**		0.048
Ethyl Benzene	**0.13**		0.061	**ND**		0.048
m,p-Xylene	**0.57**		0.061	**0.091**		0.048
o-Xylene	**0.17**		0.061	**ND**		0.048
TPH-Gas	**ND**		6.1	**ND**		4.8
Surrogate Recovery: Fluorobenzene	85%			82%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-13-09
Date Analyzed: 5-14&15-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**050609-B6-3-19.5**			**050609-B7-3-12.0**		
Lab ID:	05-044-11			05-044-14		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**0.065**		0.020	---		
Toluene	**0.073**		0.069	---		
Ethyl Benzene	**0.14**		0.069	---		
m,p-Xylene	**0.37**		0.069	---		
o-Xylene	**ND**		0.069	---		
TPH-Gas	**ND**		6.9	**ND**		5.5
Surrogate Recovery: Fluorobenzene	87%			85%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-13-09
Date Analyzed: 5-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**050609-B8-2-5.5**			**050609-B8-3-12.0**		
Lab ID:	05-044-17			05-044-18		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**ND**		0.020	**ND**		0.020
Toluene	**ND**		0.086	**ND**		0.051
Ethyl Benzene	**ND**		0.086	**ND**		0.051
m,p-Xylene	**ND**		0.086	**ND**		0.051
o-Xylene	**ND**		0.086	**ND**		0.051
TPH-Gas	**ND**		8.6	**ND**		5.1
Surrogate Recovery:						
Fluorobenzene	77%			77%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted:	5-13-09
Date Analyzed:	5-13&15-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**050709-B9-3-20.0**			**050709-B9-4-31.0**		
Lab ID:	05-044-22			05-044-23		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**0.25**		0.020	**0.13**		0.020
Toluene	**ND**		0.053	**ND**		0.066
Ethyl Benzene	**0.62**		0.053	**ND**		0.066
m,p-Xylene	**2.5**		0.053	**0.19**		0.066
o-Xylene	**ND**		0.053	**ND**		0.066
TPH-Gas	**25**		5.3	**ND**		6.6
Surrogate Recovery:						
Fluorobenzene	83%			85%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-14-09
Date Analyzed: 5-14&15-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**050709-B11-1-6.0**			**050709-B11-2-12.0**		
Lab ID:	05-044-29			05-044-30		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**0.023**		0.020	**ND**		0.020
Toluene	**ND**		0.067	**ND**		0.066
Ethyl Benzene	**ND**		0.067	**ND**		0.066
m,p-Xylene	**ND**		0.067	**ND**		0.066
o-Xylene	**ND**		0.067	**ND**		0.066
TPH-Gas	**ND**		6.7	**ND**		6.6
Surrogate Recovery:						
Fluorobenzene	80%			89%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Date Extracted: 5-13-09
Date Analyzed: 5-13-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0513S1

	Result	Flags	PQL
Benzene	**ND**		0.020
Toluene	**ND**		0.050
Ethyl Benzene	**ND**		0.050
m,p-Xylene	**ND**		0.050
o-Xylene	**ND**		0.050
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	89%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Date Extracted:	5-14-09
Date Analyzed:	5-14-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB0514S1

	Result	Flags	PQL
Benzene	**ND**		0.020
Toluene	**ND**		0.050
Ethyl Benzene	**ND**		0.050
m,p-Xylene	**ND**		0.050
o-Xylene	**ND**		0.050
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	93%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
DUPLICATE QUALITY CONTROL

Date Extracted: 5-13-09
Date Analyzed: 5-13-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	05-044-02 **Original**	05-044-02 **Duplicate**	**RPD**	**Flags**
Benzene	**ND**	**ND**	NA	
Toluene	**ND**	**ND**	NA	
Ethyl Benzene	**ND**	**ND**	NA	
m,p-Xylene	**ND**	**ND**	NA	
o-Xylene	**ND**	**ND**	NA	
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	79%	80%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
DUPLICATE QUALITY CONTROL

Date Extracted: 5-14-09
Date Analyzed: 5-14-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	05-044-30 **Original**	05-044-30 **Duplicate**	**RPD**	**Flags**
Benzene	**ND**	**ND**	NA	
Toluene	**ND**	**ND**	NA	
Ethyl Benzene	**ND**	**ND**	NA	
m,p-Xylene	**ND**	**ND**	NA	
o-Xylene	**ND**	**ND**	NA	
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	89%	88%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
MS/MSD QUALITY CONTROL

Date Extracted: 5-13-09
Date Analyzed: 5-13-09

Matrix: Soil
Units: mg/kg (ppm)

Spike Level (ppm): 2.62

Lab ID:	05-044-02 **MS**	Percent Recovery	05-044-02 **MSD**	Percent Recovery	**RPD**	**Flags**
Benzene	**2.49**	**95**	**2.34**	**89**	6	
Toluene	**2.52**	**96**	**2.36**	**90**	6	
Ethyl Benzene	**2.60**	**99**	**2.42**	**92**	7	
m,p-Xylene	**2.58**	**99**	**2.40**	**92**	7	
o-Xylene	**2.54**	**97**	**2.39**	**91**	6	

Surrogate Recovery:

Fluorobenzene	88%	82%

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
MS/MSD QUALITY CONTROL

Date Extracted: 5-15-09
Date Analyzed: 5-15-09

Matrix: Soil
Units: mg/kg (ppm)

Spike Level (ppm): 2.97

Lab ID:	05-044-30 **MS**	Percent Recovery	05-044-30 **MSD**	Percent Recovery	**RPD**	**Flags**
Benzene	**2.88**	**97**	**2.83**	**95**	2	
Toluene	**2.92**	**98**	**2.85**	**96**	3	
Ethyl Benzene	**2.99**	**100**	**2.91**	**98**	3	
m,p-Xylene	**2.98**	**100**	**2.88**	**97**	4	
o-Xylene	**2.94**	**99**	**2.84**	**95**	3	

Surrogate Recovery:
Fluorobenzene 122% 93%

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-14&15-09
Date Analyzed: 5-14&15-09

Matrix: Water
Units: ug/L (ppb)

Client ID:	**050609-B4-GW**			**050609-B5-GW**		
Lab ID:	05-044-03			05-044-07		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**4.8**		1.0	**36**		1.0
Toluene	**1.1**		1.0	**10**		1.0
Ethyl Benzene	**2.0**		1.0	**170**		10
m,p-Xylene	**2.9**		1.0	**330**		10
o-Xylene	**1.0**		1.0	**27**		1.0
TPH-Gas	**ND**		100	**5300**		100
Surrogate Recovery:						
Fluorobenzene	89%			113%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-14&15-09
Date Analyzed: 5-14&15-09

Matrix: Water
Units: ug/L (ppb)

Client ID:	**050609-B7-GW**			**050609-B8-GW**		
Lab ID:	05-044-15			05-044-19		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	---			**1.8**		1.0
Toluene	---			**1.5**		1.0
Ethyl Benzene	---			**3.0**		1.0
m,p-Xylene	---			**2.4**		1.0
o-Xylene	---			**ND**		1.0
TPH-Gas	**ND**		100	**ND**		100
Surrogate Recovery:						
Fluorobenzene	109%			92%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-14&15-09
Date Analyzed: 5-14&15-09

Matrix: Water
Units: ug/L (ppb)

Client ID:	**050709-B9-GW**			**050709-B11-GW**		
Lab ID:	05-044-24			05-044-31		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**440**		10	**2.3**		1.0
Toluene	**10**		1.0	**ND**		1.0
Ethyl Benzene	**61**		1.0	**ND**		1.0
m,p-Xylene	**500**		10	**1.3**		1.0
o-Xylene	**7.0**		1.0	**ND**		1.0
TPH-Gas	**2100**		100	**ND**		100
Surrogate Recovery: Fluorobenzene	106%			109%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Date Extracted: 5-14-09
Date Analyzed: 5-14-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0514W1

	Result	Flags	PQL
Benzene	**ND**		1.0
Toluene	**ND**		1.0
Ethyl Benzene	**ND**		1.0
m,p-Xylene	**ND**		1.0
o-Xylene	**ND**		1.0
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 90%

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Date Extracted: 5-15-09
Date Analyzed: 5-15-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0515W1

	Result	Flags	PQL
Benzene	**ND**		1.0
Toluene	**ND**		1.0
Ethyl Benzene	**ND**		1.0
m,p-Xylene	**ND**		1.0
o-Xylene	**ND**		1.0
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 109%

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
DUPLICATE QUALITY CONTROL

Date Extracted: 5-14-09
Date Analyzed: 5-14-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	05-044-03 **Original**	05-044-03 **Duplicate**	**RPD**	**Flags**
Benzene	**4.77**	**4.68**	2	
Toluene	**1.13**	**1.09**	4	
Ethyl Benzene	**1.95**	**1.80**	8	
m,p-Xylene	**2.87**	**2.70**	6	
o-Xylene	**1.01**	**ND**	NA	
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	89%	89%		

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

NWTPH-Gx/BTEX
MS/MSD QUALITY CONTROL

Date Extracted: 5-14-09
Date Analyzed: 5-14-09

Matrix: Water
Units: ug/L (ppb)

Spike Level: 50.0 ppb

Lab ID:	05-044-03 **MS**	Percent Recovery	05-044-03 **MSD**	Percent Recovery	**RPD**	**Flags**
Benzene	**47.6**	**86**	**49.3**	**89**	4	
Toluene	**47.7**	**93**	**48.9**	**95**	2	
Ethyl Benzene	**49.6**	**95**	**50.9**	**98**	3	
m,p-Xylene	**49.4**	**93**	**50.6**	**96**	2	
o-Xylene	**48.4**	**95**	**49.4**	**97**	2	

Surrogate Recovery:			
Fluorobenzene	91%		95%

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	5-11-09
Date Analyzed:	5-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	05-044-14
Client ID:	**050609-B7-3-12.0**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00089
Chloromethane	ND		0.0045
Vinyl Chloride	ND		0.00089
Bromomethane	ND		0.00089
Chloroethane	ND		0.0045
Trichlorofluoromethane	ND		0.00089
1,1-Dichloroethene	ND		0.00089
Acetone	0.033		0.0045
Iodomethane	ND		0.0045
Carbon Disulfide	ND		0.00089
Methylene Chloride	ND		0.0045
(trans) 1,2-dichloroethene	ND		0.00089
Methyl t-Butyl Ether	ND		0.00089
1,1-Dichloroethane	ND		0.00089
Vinyl Acetate	ND		0.0045
2,2-Dichloropropane	ND		0.00089
(cis) 1,2-Dichloroethene	ND		0.00089
2-Butanone	ND		0.0045
Bromochloromethane	ND		0.00089
Chloroform	ND		0.00089
1,1,1-Trichloroethane	ND		0.00089
Carbon Tetrachloride	ND		0.00089
1,1-Dichloropropene	ND		0.00089
Benzene	ND		0.00089
1,2-Dichloroethane	ND		0.00089
Trichloroethene	ND		0.00089
1,2-Dichloropropane	ND		0.00089
Dibromomethane	ND		0.00089
Bromodichloromethane	ND		0.00089
2-Chloroethyl Vinyl Ether	ND		0.0045
(cis) 1,3-Dichloropropene	ND		0.00089
Methyl Isobutyl Ketone	ND		0.0045
Toluene	ND		0.0045
(trans) 1,3-Dichloropropene	ND		0.00089

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
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Lab ID: 05-044-14
Client ID: 050609-B7-3-12.0

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00089
Tetrachloroethene	ND		0.0045
1,3-Dichloropropane	ND		0.00089
2-Hexanone	ND		0.0045
Dibromochloromethane	ND		0.00089
1,2-Dibromoethane	ND		0.00089
Chlorobenzene	ND		0.00089
1,1,1,2-Tetrachloroethane	ND		0.00089
Ethylbenzene	ND		0.00089
m,p-Xylene	ND		0.0018
o-Xylene	ND		0.00089
Styrene	ND		0.00089
Bromoform	ND		0.00089
Isopropylbenzene	ND		0.00089
Bromobenzene	ND		0.00089
1,1,2,2-Tetrachloroethane	ND		0.00089
1,2,3-Trichloropropane	ND		0.00089
n-Propylbenzene	ND		0.00089
2-Chlorotoluene	ND		0.00089
4-Chlorotoluene	ND		0.00089
1,3,5-Trimethylbenzene	ND		0.00089
tert-Butylbenzene	ND		0.00089
1,2,4-Trimethylbenzene	ND		0.00089
sec-Butylbenzene	ND		0.00089
1,3-Dichlorobenzene	ND		0.00089
p-Isopropyltoluene	ND		0.00089
1,4-Dichlorobenzene	ND		0.00089
1,2-Dichlorobenzene	ND		0.00089
n-Butylbenzene	ND		0.00089
1,2-Dibromo-3-chloropropane	ND		0.0045
1,2,4-Trichlorobenzene	ND		0.00089
Hexachlorobutadiene	ND		0.0045
Naphthalene	ND		0.00089
1,2,3-Trichlorobenzene	ND		0.00089

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	55-125
Toluene-d8	100	56-127
4-Bromofluorobenzene	106	54-130

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	5-11-09
Date Analyzed:	5-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0511S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0511S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0050
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	55-125
Toluene-d8	95	56-127
4-Bromofluorobenzene	96	54-130

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 5-11-09
Date Analyzed: 5-11-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0511S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0515	103	0.0490	98	70-130	
Benzene	0.0500	0.0462	92	0.0467	93	70-128	
Trichloroethene	0.0500	0.0517	103	0.0500	100	70-124	
Toluene	0.0500	0.0469	94	0.0458	92	73-123	
Chlorobenzene	0.0500	0.0488	98	0.0478	96	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	5	16	
Benzene	1	15	
Trichloroethene	3	14	
Toluene	2	14	
Chlorobenzene	2	13	

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	5-11-09
Date Analyzed:	5-11-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	05-044-15
Client ID:	**050609-B7-GW**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	9.6		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	1.5		1.0
(trans) 1,3-Dichloropropene	ND		0.20

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
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Lab ID: 05-044-15
Client ID: 050609-B7-GW

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	1.5		0.20
m,p-Xylene	3.5		0.40
o-Xylene	0.75		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.25		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	0.21		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.41		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	71-126
Toluene-d8	84	76-116
4-Bromofluorobenzene	86	70-123

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted:	5-11-09
Date Analyzed:	5-11-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0511W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0511W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	71-126
Toluene-d8	82	76-116
4-Bromofluorobenzene	81	70-123

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044
Project: 221-001

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 5-11-09
Date Analyzed: 5-11-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0511W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	10.9	109	11.7	117	70-130	
Benzene	10.0	11.8	118	12.5	125	70-130	
Trichloroethene	10.0	10.6	106	10.9	109	70-123	
Toluene	10.0	11.0	110	11.4	114	77-120	
Chlorobenzene	10.0	8.86	89	9.21	92	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	7	21	
Benzene	6	18	
Trichloroethene	3	18	
Toluene	3	17	
Chlorobenzene	4	18	

Date of Report: May 18, 2009
Samples Submitted: May 7, 2009
Lab Traveler: 0905-044
Project: 221-001

% MOISTURE

Date Analyzed: 5-11-09

Client ID	Lab ID	% Moisture
050609-B4-2-8.0	05-044-02	18
050609-B5-4-14.0	05-044-06	11
050609-B5-5-16.0	05-044-08	9
050609-B6-2-14.5	05-044-10	11
050609-B6-3-19.5	05-044-11	10
050609-B7-3-12.0	05-044-14	9
050609-B8-2-5.5	05-044-17	18
050609-B8-3-12.0	05-044-18	12
050709-B9-3-20.0	05-044-22	12
050709-B9-4-31.0	05-044-23	18
050709-B11-1-6.0	05-044-29	18
050709-B11-2-12.0	05-044-30	10

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Farallon

Project Number: ~~[illegible]~~ 221 001

Project Name: Cox Bank

Project Manager: Bret Carp

Sampled by: Sean Peterson

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 05-044

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	050609-B4-1-2.0	5/6/09	900	S	3														
2	050609-B4-2-8.0		910	S	3		X												X
3	050609-B4-GW		920	W	3		X												
4	050609-B5-1-4.0		1000	S	3														
5	050609-B5-3-11.0		1020	S	3														
6	050609-B5-4-14.0		1030	S	3		X												X
7	050609-B5-GW		1040	W	3		X												
8	050609-B5-5-16.0		1050	S	3		X												X
9	050609-B6-1-2.0		1200	S	3														
10	050609-B6-2-14.5	↓	1210	S	3		X												X

	Signature	Company	Date	Time
Relinquished by	[signature]	Farallon	5-7-09	1745
Received by	[signature]	OnSite	5/7/09	1745
Relinquished by				
Received by				
Relinquished by				
Received by				

Comments/Special Instructions: X Added 5/6/09 TPH

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Farallon
Project Number: 221 001
Project Name: Key Bank
Project Manager: Bret Carp
Sampled by: Jon Peterson

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ _____ (other)

Laboratory Number: 05-044

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (5)	TCLP Metals	HEM by 1664	% Moisture
20	050709-B9-1-7.0	5/7/09	900	S	3														
21	050709-B9-2-14.0		910	S	3														
22	050709-B9-3-20.0		920	S	3		X												X
23	050709-B9-4-31.0		930	S	3		X												X
24	050709-B9-GW		1110	W	3		X												
25	050709-B10-1-4.0		1030	S	5														
26	050709-B10-2-15.0		1040	S	5														
27	050709-B10-3-19.0		1050	S	5														
28	050709-B10-4-24.0		1100	S	5														
29	050709-B11-1-6.0		1300	WS	3		X												X

	Signature	Company	Date	Time
Relinquished by		Farallon	5-7-09	
Received by		OnSite	5/7/09	1745
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions
Hold
(X) Added 5/8/09

Chromatograms with final report ☐

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Chain of Custody

Page 4 of 4

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company:	Farallon
Project Number:	221 001
Project Name:	Key Bank
Project Manager:	Bret Carp
Sampled by:	Jon Peterson

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ (other)

Laboratory Number: 05-044

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
30	050709-B11-2-12.0	5/7/09	1310	S	3		X												X
31	050709-B11-GW	5/7/09	1330	W	3		X												

	Signature	Company	Date	Time
Relinquished by		Farallon	5-7-09	1745
Received by		Con-Test	5/7/09	1745
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions

Hold

(2) Added 5/8/09 EY

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OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 27, 2009

Brett Carp
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 221-001
Laboratory Reference No. 0905-044B

Dear Brett:

Enclosed are the analytical results and associated quality control data for samples submitted on May 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: May 27, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044B
Project: 221-001

Case Narrative

Samples were collected on May 6 and 7, 2009, and received by the laboratory on May 7, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: May 27, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044B
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted:	5-22-09
Date Analyzed:	5-22-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**050609-B4-1-2.0**	**050609-B5-1-4.0**
Lab ID:	05-044-01	05-044-04

	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**ND**		0.020	**ND**		0.020
Toluene	**ND**		0.048	**ND**		0.045
Ethyl Benzene	**ND**		0.048	**ND**		0.045
m,p-Xylene	**ND**		0.048	**ND**		0.045
o-Xylene	**ND**		0.048	**ND**		0.045
TPH-Gas	**ND**		4.8	**ND**		4.5
Surrogate Recovery: Fluorobenzene	85%			83%		

Date of Report: May 27, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044B
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-22-09
Date Analyzed: 5-22-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**050609-B6-1-2.0**			**050709-B10-3-19.0**		
Lab ID:	05-044-09			05-044-27		
	Result	Flags	PQL	**Result**	Flags	PQL
Benzene	**ND**		0.020	**ND**		0.020
Toluene	**ND**		0.057	**ND**		0.061
Ethyl Benzene	**ND**		0.057	**ND**		0.061
m,p-Xylene	**ND**		0.057	**ND**		0.061
o-Xylene	**ND**		0.057	**ND**		0.061
TPH-Gas	**ND**		5.7	**ND**		6.1
Surrogate Recovery: Fluorobenzene	85%			86%		

Date of Report: May 27, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044B
Project: 221-001

NWTPH-Gx/BTEX

Date Extracted: 5-22-09
Date Analyzed: 5-22-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID: **050709-B10-4-24.0**
Lab ID: 05-044-28

	Result	Flags	PQL
Benzene	**ND**		0.020
Toluene	**ND**		0.051
Ethyl Benzene	**ND**		0.051
m,p-Xylene	**ND**		0.051
o-Xylene	**ND**		0.051
TPH-Gas	**ND**		5.1
Surrogate Recovery:			
Fluorobenzene	84%		

Date of Report: May 27, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044B
Project: 221-001

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Date Extracted: 5-22-09
Date Analyzed: 5-22-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0522S1

	Result	Flags	PQL
Benzene	**ND**		0.020
Toluene	**ND**		0.050
Ethyl Benzene	**ND**		0.050
m,p-Xylene	**ND**		0.050
o-Xylene	**ND**		0.050
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	85%		

Date of Report: May 27, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044B
Project: 221-001

NWTPH-Gx/BTEX
DUPLICATE QUALITY CONTROL

Date Extracted: 5-22-09
Date Analyzed: 5-22-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	05-129-01 **Original**	05-129-01 **Duplicate**	**RPD**	**Flags**
Benzene	**ND**	**ND**	NA	
Toluene	**ND**	**ND**	NA	
Ethyl Benzene	**ND**	**ND**	NA	
m,p-Xylene	**ND**	**ND**	NA	
o-Xylene	**ND**	**ND**	NA	
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	73%	74%		

Date of Report: May 27, 2009
Samples Submitted: May 7, 2009
Laboratory Reference: 0905-044B
Project: 221-001

NWTPH-Gx/BTEX
MS/MSD QUALITY CONTROL

Date Extracted: 5-22-09
Date Analyzed: 5-22-09

Matrix: Soil
Units: mg/kg (ppm)

Spike Level (ppm): 2.08

Lab ID:	05-129-01 **MS**	Percent Recovery	05-129-01 **MSD**	Percent Recovery	**RPD**	**Flags**
Benzene	**1.95**	**94**	**1.97**	**95**	1	
Toluene	**1.98**	**95**	**1.98**	**95**	0	
Ethyl Benzene	**2.06**	**99**	**2.08**	**100**	1	
m,p-Xylene	**2.05**	**98**	**2.06**	**99**	0	
o-Xylene	**2.02**	**97**	**2.03**	**98**	1	

Surrogate Recovery:
Fluorobenzene 77% 77%

Date of Report: May 27, 2009
Samples Submitted: May 7, 2009
Lab Traveler: 0905-044B
Project: 221-001

% MOISTURE

Date Analyzed: 5-26-09

Client ID	Lab ID	% Moisture
050609-B4-1-2.0	05-044-01	8
050609-B5-1-4.0	05-044-04	9
050609-B6-1-2.0	05-044-09	7
050709-B10-3-19.0	05-044-27	8
050709-B10-4-24.0	05-044-28	10

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Farallon

Project Number: ~~19-500~~ 221 001

Project Name: Key Bank

Project Manager: Bret Carp

Sampled by: ~~Sam~~ Peterson

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ (other)

Laboratory Number: 05-044

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	050609-B4-1-2.0	5/6/09	900	S	3		○												○
2	050609-B4-2-8.0		910	S	3		☒												☒
3	050609-B4-~~Dup~~ GW		920	W	3		☒												
4	050609-B5-1-4.0		1000	S	3		○												○
5	050609-B5-3-11.0		1020	S	3														
6	050609-B5-4-14.0		1030	S	3		☒												☒
7	050609-B5-GW		1040	W	3		☒												
8	050609-B5-5-16.0		1050	S	3		☒												☒
9	050609-B6-1-2.0		1200	S	3		○												○
10	050609-B6-2-14.5	↓	1210	S	3		☒												☒

	Signature	Company	Date	Time
Relinquished by		Farallon	5-7-09	1745
Received by		OnSite	5/7/09	1745
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

☒ Added 5/8/09 JBE

○ Added 5/21/09. DB

Chromatograms with final report ☐

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Chain of Custody

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Laboratory Number: 05-044

Company: Farallon

Project Number: 221001

Project Name: Key Bank

Project Manager: Bret Carp

Sampled by: Jon Peterson

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☑ Standard (7 working days) (TPH analysis 5 working days)
- ☐ ______ (other)

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	NwTPH-Gx						% Moisture
11	050609-B6-3-19.5	5/6/09	1220	S	3		X																		X
12	050609-B7-1-5.0		1330	S	5																				
13	050609-B7-2-9.0		1340	S	5																				
14	050609-B7-3-12.0		1350	S	5				X										X						X
15	050609-B7-GW		1430	W	6				X										X						
16	050609-B8-1-4.0		1530	S	3																				
17	050609-B8-2-5.5		1540	S	3		X																		X
18	050609-B8-3-12.0		1550	S	3		X																		X
19	050609-B8-GW		1600	W	3		X																		

	Signature	Company	Date	Time
Relinquished by	[signature]	Farallon	5-7-09	1745
Received by	[signature]	OnSite Env	5/7/09	1745
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions: (X) Added 5/8/09

Chromatograms with final report ☐

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Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Farallon
Project Number: 221 001
Project Name: Key Bank
Project Manager: Bret Carp
Sampled by: Jon Peterson

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ _____ (other)

Laboratory Number: 05-044

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
20	050709-B9-1-7.0	5/7/09	900	S	3														
21	050709-B9-2-14.0		910	S	3														
22	050709-B9-3-20.0		920	S	3		X												X
23	050709-B9-4-31.0		930	S	3		X												X
24	050709-B9-GW		1110	W	3		X												
25	050709-B10-1-4.0		1030	S	5														
26	050709-B10-2-15.0		1040	S	5														
27	050709-B10-3-19.0		1050	S	5		O												O
28	050709-B10-4-24.0		1100	S	5		O												O
29	050709-B11-1-6.0		1300	WS	3		X												X

	Signature	Company	Date	Time
Relinquished by		Farallon	5-7-09	
Received by		OnSite	5/7/09	1745
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:
Hold
X Added 5/8/09 -BC
O Added 5/21/09 . DB

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Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Farallon
Project Number: 221 001
Project Name: Key Bank
Project Manager: Bret Carp
Sampled by: Jon Peterson

Turnaround Request (in working days)
(Check One)
- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days)
(TPH analysis 5 working days)
- ☐ (other)

Laboratory Number: 05-044

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	CHEM by 1664	% Moisture
30	050709-B11-2-12.0	5/7/09	1310	S	3		X												X
31	050709-B11-GW	5/7/09	1330	W	3		X												

	Signature	Printed	Date	Time
Relinquished by		Farallon	5-7-09	1745
Received by		OnSite EE	5/7/09	1745
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions
Hold
X Added 5/8/09

Chromatograms with final report

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