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January 21, 2014

Mr. Evan Kaseguma
Hines Real Estate Investment Trust Properties, L.P.
800 Fifth Avenue, Suite 3838
Seattle, Washington 98104

BY E-MAIL ONLY

RE: SUMMARY OF ADDITIONAL SUBSURFACE INVESTIGATION
MERCER ISLAND APARTMENTS
2885 78th AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON
FARALLON PN: 691-018

Dear Mr. Kaseguma:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter report to provide a summary of the additional subsurface investigation conducted in December 2013 on behalf of Hines Real Estate Investment Trust Properties, L.P. (Hines) for the property at 2885 78th Avenue Southeast in Mercer Island, Washington (herein referred to as the Site) (Figure 1). The purpose of the additional subsurface investigation was to evaluate the potential release and/or source of constituents of potential concern (COPCs) to soil and/or groundwater from historical and/or current operations at the Site and/or migration of COPCs onto the Site from adjacent properties. The overall objective was to assess the potential for contaminated media to affect redevelopment costs for the Site if purchased by Hines.

This letter report includes a summary of the relevant Site background, previous investigations conducted at the Site by Farallon and others, the geology and hydrogeology of the Site vicinity, a summary of the results of the additional subsurface investigation conducted by Farallon in December 2013, and conclusions.

SITE BACKGROUND

The Site is in a commercial area of Mercer Island, Washington bounded by a property boundary shared with a McDonald's restaurant to the north, 77th Avenue Southeast to the west, 78th Avenue Southeast to the east, and Southeast 29th Street to the south (Figure 1). The Site includes two King County Tax Parcels totaling 1.29 acres of land, which consist of the following:

- Parcel No. 531510-1325, owned by Bitney Walsh LLC (Bitney Parcel), which is developed with a 2,955-square-foot single-story retail building that was constructed in 1949 (western building), and a 572-square-foot single-story retail building that was constructed in 1949 (eastern building); and

- Parcel No. 531513-1326, owned by King Enterprises of Washington LLC (King Parcel), which is developed with a 12,100-square-foot two-story strip mall building that was constructed in 1962.

According to historical sources reviewed during the completion of a Phase I Environmental Site Assessment (Phase I ESA) of the Site conducted by Farallon in October 2013, the Site was undeveloped through 1950. The current Site buildings were present by 1965. A residence was present on the Bitney Parcel in 1967, and the remaining occupants of both the Bitney and King Parcels have been commercial. According to a Site representative interviewed during the completion of the Phase I ESA, the current dry cleaner business has been present on the Site for approximately 10 years. In addition, the owner of the King Parcel, Ms. Judith King, indicated that at some time in the past, a historical dry cleaner business existed in the same suite the current dry cleaner occupies.

PREVIOUS INVESTIGATIONS

As stated above, Farallon conducted a Phase I ESA of the Site in October 2013, pursuant to the processes outlined in ASTM International Standard E1527-05 on behalf of Hines. The results of the assessment were documented in the *Phase I Environmental Site Assessment Report, 2885 78th Avenue Southeast, Mercer Island, Washington* dated October 17, 2013, prepared by Farallon (Phase I ESA Report). The Phase I ESA Report identified the potential release of hazardous substances from historical and/or ongoing dry cleaning operations on the Site as a recognized environmental condition for the Site.

Farallon was provided with the following previous reports prepared for the King Parcel:

- Memorandum regarding Limited Subsurface Investigation, King Property, 2885 78th Avenue Southeast, Mercer Island, Washington dated June 26, 2012, prepared by Pacific Crest Environmental, LLC for PMF Investments, LLC (Limited SI); and
- Letter regarding Phase I Environmental Site Assessment, Limited Phase 2 Assessment, Mercer Island Multi-Family Residential Site, 2885 – 78th Avenue SE (King County Parcel #5315101326), Mercer Island, Washington dated November 9, 2012, prepared by ABPB Consulting for Continental Properties, LLC (Phase I/Phase II Letter Report).

According to the reports provided, a previous Phase I ESA conducted at the Site identified the historical and current dry cleaning operations on the Site and known or suspected releases on properties adjacent and proximate to the Site as recognized environmental conditions. The Limited SI included advancement and sampling of borings KP-1 through KP-4 proximate to the retail strip mall building on the southern portion of the Site (Figure 2). Soil and reconnaissance groundwater samples were analyzed for halogenated volatile organic compounds (HVOCs) and total petroleum hydrocarbons (TPH) by Northwest Method Hydrocarbon Identification (HCID). Based on the results of the HCID analysis, one soil sample collected from boring KP-3 was subsequently analyzed for TPH as diesel-range organics (DRO) and as oil-range organics (ORO) by Northwest Method NWTPH-Dx. ORO was detected at a concentration of 580 milligram per kilogram (mg/kg) in a soil sample collected from 4 feet below ground surface (bgs) in boring

KP-3, which is less than the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A cleanup level of 2,000 mg/kg for ORO in soil. GRO, DRO, ORO, and HVOCs were reported non-detect at the laboratory practical quantitation limit (PQL) for each of the remaining samples collected from borings KP-1 through KP-4.

The Phase I/Phase II Letter Report included both a Phase I ESA report and a summary of additional subsurface investigation conducted at the Site. The Phase I/Phase II Letter Report identified the on-Site dry cleaning operations and the south-adjacent gasoline service station operations as recognized environmental conditions for the Site. Monitoring wells MW-1 through MW-3 (Figure 2) were installed along the southern Site boundary to further evaluate potential migration of hazardous substances from a south-adjacent gasoline service station. Soil and groundwater samples were collected and analyzed for TPH as gasoline-range organics (GRO); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and/or HVOCs. BTEX and GRO were reported non-detect at the laboratory PQL for the soil samples collected from borings MW-1 through MW-3. BTEX, GRO, and HVOCs were reported non-detect at the laboratory PQL also for the groundwater samples collected from monitoring wells MW-1 through MW-3.

APBP Consulting concluded that, based on the results included in the Limited SI and the Phase I/Phase II Letter Report, the risk for significant contamination was minimal. The analytical results provided in the Limited SI and the Phase I/Phase II Letter Report are included in Tables 2 through 6.

Farallon conducted an initial subsurface investigation at the Site in September 2013 to evaluate the potential release of COPCs to soil gas, soil, and/or groundwater from historical and/or current operations at the Site, and/or migration of COPCs onto the Site from adjacent properties. The September 2013 subsurface investigation consisted of groundwater monitoring using existing groundwater monitoring wells MW-1 through MW-4, advancement and sampling of borings B-1 through B-8, and installation and sampling of a soil gas monitoring probe inside the dry cleaner suite (Figure 2). Soil and groundwater samples collected from the Site were analyzed for GRO, DRO, ORO, BTEX, HVOCs, and/or total Resource Conservation and Recovery Act (RCRA) metals, including arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. A soil gas sample collected from the soil gas monitoring probe was analyzed for HVOCs.

Trichloroethene (TCE) and cis-1,2-dichloroethene (cis 1,2-DCE), degradation products of tetrachloroethene (PCE), were detected in the reconnaissance groundwater sample collected from boring B-1, advanced on the down-gradient south side of the dry cleaner suite (Figure 2; Table 2). Although the concentrations of TCE and cis 1,2-DCE detected are less than MTCA cleanup levels, these data indicated a potential release of PCE to the subsurface proximate to the dry cleaner suite. Groundwater samples collected from borings B-2, B-4, and B-5 and existing monitoring wells MW-1 through MW-4 were reported non-detect at the laboratory PQL for all COPCs tested for, including HVOCs, DRO, ORO, GRO, and BTEX (Figure 2; Tables 2 and 3).

The total RCRA metals barium and chromium were detected at low concentrations less than MTCA cleanup levels in a soil sample collected from boring B-1. These concentrations are consistent with background metals concentrations. The remaining RCRA metals were reported

non-detect at the laboratory PQL (Table 6). The remaining soil samples collected from borings advanced during the initial subsurface investigation conducted by Farallon were reported non-detect at the laboratory PQL for the remaining COPCs, including BTEX, DRO, ORO, and HVOCs (Tables 4 through 6).

PCE was detected at a concentration of 2,000 micrograms per cubic meter ($\mu g/m^3$), and TCE was detected at a concentration of 5.2 $\mu g/m^3$ in the soil gas sample collected from the soil gas monitoring probe installed inside the dry cleaner suite (Figure 2). The PCE and TCE concentrations detected in the soil gas sample exceed the MTCA Method B Screening Levels for Soil Gas in a residential setting (Table 7). In addition, the PCE concentration exceeds the Modified MTCA Method B Screening Level for Soil Gas calculated for a commercial setting (Tables 7 and 8). The remaining associated PCE degradation products, including cis-1,2-DCE, trans-1,2-dichloroethene (trans1,2-DCE), and vinyl chloride, were reported non-detect at the laboratory PQL (Table 7).

Details of the scope of work for the initial phase of subsurface investigation conducted by Farallon in September 2013 and the results are presented in the letter regarding Summary of Subsurface Investigation, Mercer Island Apartments, 2885 78th Avenue Southeast, Mercer Island, Washington dated November 15, 2013, prepared by Farallon.

The available data indicated a suspected release of PCE to the shallow subsurface beneath the dry cleaner suite, and a potential release of ORO on the south side of the Site. Based on these data, additional characterization was recommended to further characterize the nature and extent of a suspected HVOC source area proximate to the dry cleaner suite. Several additional borings were proposed south of the dry cleaner suite to characterize the nature and extent of ORO detected in a soil sample collected from prior boring KP-3 (Figure 2).

SITE GEOLOGY/HYDROGEOLOGY

The Puget Sound region is underlain by Quaternary sediments deposited by a number of glacial episodes. Deposition occurred during a number of glacial advances and retreats, which created the existing subsurface conditions. The regional sediments consist primarily of interlayered and/or sequential deposits of alluvial clays, silts, and sands that typically are situated over deposits of glacial till that consist of silty sand to sandy silt with gravel. Outwash sediments consisting of sands, silts, clays, and gravels were deposited by rivers, streams, and post-glacial lakes during the glacial retreats, and have been largely over-consolidated by the overriding ice sheets ("Geology of Ruston, Washington, U.S. of America," by Richard W. Galster and William T. Laprade, *Bulletin of the Association of Engineering Geologists*, 1991, Volume 28 Number 3, pages 235 through 302).

Based on Farallon's observations made during the September and December 2013 subsurface investigations, the general Site stratigraphy comprises varying amounts of fill consisting of silty sand with some gravel, underlain by silt to the total depth explored of 15 feet bgs. A shallow groundwater-bearing zone was encountered at an average depth of approximately 7.5 feet bgs in the southern portion of the Site. Groundwater beneath the strip mall building on the King Parcel

was encountered at an average depth of 2 feet bgs. The interpreted groundwater flow direction is east-southeast, consistent with prior investigations at the Site.

SUBSURFACE INVESTIGATION—DECEMBER 2013

Based on the results of the prior investigations by Farallon and others, additional subsurface investigation was conducted in December 2013 to further evaluate the nature and extent of a suspected HVOC source area proximate to the dry cleaner suite on the Site. The additional subsurface investigation included groundwater monitoring and reconnaissance sampling. A summary of the additional subsurface investigation completed in December 2013 is provided below.

GROUNDWATER MONITORING

On December 8, 2013, Farallon conducted a groundwater monitoring event that included measuring the depth to water of existing monitoring wells MW-1 through MW-4 at the Site (Figure 2). The monitoring wells were opened and the water levels were permitted to equilibrate with atmospheric pressure before groundwater-level measurements were obtained. Groundwater levels were measured relative to a reference point on the top of the monitoring well casing using an electric water-level meter. The location and top-of-casing elevation of each monitoring well was surveyed by Bush, Roed, and Hitchings, Incorporated, a Washington State licensed surveyor (Table 1).

RECONNAISSANCE SAMPLING

Borings B-9 through B-12 were advanced inside the dry cleaner and nail salon suites to depths ranging from 12 to 15 feet bgs to evaluate potential releases to soil and/or groundwater associated with the operation of the dry cleaner business. Borings B-13 and B-14 were advanced to a total depth of 8 feet bgs in the south parking lot area proximate to prior boring KP-3 to further evaluate the nature and extent of the ORO contamination detected in a soil sample collected at prior boring location KP-3. The boring locations are shown on Figures 2 and 3 and include the following:

- Boring B-9 was advanced in the central portion of the dry cleaner suite, north of the dry cleaning equipment.
- Boring B-10 was advanced in the southeast corner of the dry cleaner suite, proximate to the west side of the dry cleaning machine and a sanitary side sewer line oriented west to east.
- Boring B-11 was advanced in the southeast corner of the dry cleaner suite, proximate to the north side of the dry cleaning machine and a sanitary side sewer line oriented south to north along the east side of the dry cleaner suite.
- Boring B-12 was advanced in the east-adjacent nail salon suite, in a storage room proximate to the east side of the dry cleaning machine.

- Borings B-13 and B-14 were advanced approximately 5 feet east and west, respectively, of prior boring KP-3.

Soil samples were collected continuously during the advancement of borings B-9 through B-14 by ESN Northwest of Olympia, Washington using a direct-push drill rig equipped with a split-spoon sampler. A Farallon Geologist observed subsurface conditions and retained soil samples from selected intervals for laboratory analysis based on field indications of potential contamination. The information recorded on the boring logs included soil types encountered, visual and olfactory evidence of potential contamination, and volatile organic vapor concentrations as measured using a photoionization detector. The completed boring logs are provided in Attachment A. The soil samples were collected and transferred directly into laboratory-prepared glass sample containers fitted with a Teflon-lined lid in accordance with U.S. Environmental Protection Agency (EPA) Method 5035A for sampling of HVOCs. A 5-foot polyvinyl chloride (PVC) screen was placed in borings B-9, B-10, and B-12, and grab reconnaissance groundwater samples were obtained from the center of the screened interval. Soil and groundwater samples collected from the borings were placed on ice in a cooler and delivered under standard chain-of-custody protocols to OnSite Environmental Inc. of Redmond, Washington for storage pending potential analysis.

INVESTIGATION-DERIVED WASTE

Soil cuttings, decontamination water, purge water, and other wastewater generated during the subsurface investigation were temporarily stored on the Site in labeled drums. The analytical results for the soil and groundwater samples will be used to develop a waste profile to evaluate waste disposal options.

RESULTS

A summary of the laboratory analytical results for the reconnaissance groundwater samples is provided in Tables 2 and 3, and for the soil samples collected by Farallon in Tables 4 through 6. The laboratory analytical reports for the soil and groundwater samples collected during the additional subsurface investigation conducted in December 2013 are provided in Attachment B. Prior soil and groundwater sample results also are included in Tables 2 through 6. A summary of the laboratory analytical results for HVOCs for the soil gas sample collected in September 2013 is presented in Table 7.

GROUNDWATER

Groundwater elevation contours for the Site were developed using depth-to-water measurements obtained from the Site monitoring wells on December 8, 2013 (Table 1). The interpreted groundwater flow direction in the groundwater-bearing zone is east-southeast, with an estimated horizontal hydraulic gradient of approximately 0.009 foot per foot, which is consistent with the groundwater monitoring event conducted at the Site in September 2013 (Figure 2).

Low concentrations of PCE ranging from 0.3 to 1.6 µg/l, less than the MTCA Method A cleanup level, were detected in the reconnaissance groundwater samples collected from borings B-9,

B-10, and B-12, advanced proximate to the dry cleaning machine (Figure 2). These data indicate a suspected release of PCE proximate to the dry cleaning machine and/or associated sanitary side sewer lines.

SOIL

PCE was detected at concentrations ranging from 0.01 to 0.051 mg/kg in the soil samples collected from borings B9 through B-12 inside the dry cleaner suite and adjacent nail salon (Figure 3; Table 4). The highest PCE concentration of 0.051 mg/kg, which slightly exceeds the MTCA Method A cleanup level of 0.05 mg/kg, was detected in a soil sample collected at approximately 2.5 feet bgs in boring B-10, adjacent to the west side of the dry cleaning machine. These data indicate a suspected release of PCE proximate to the dry cleaning machine and/or associated sanitary side sewer lines.

Borings B-13 and B-14 were advanced on the south side of the Site to evaluate the nature and extent of ORO-contaminated soil previously detected at approximately 4 feet bgs in prior boring KP-3. ORO was detected at a concentration of 5,600 mg/kg in a soil sample collected at a depth of 0.5 foot bgs in boring B-13, which exceeds the MTCA Method A cleanup level of 2,000 mg/kg (Figure 3; Table 5). ORO was detected at lower concentrations of 81 and 860 mg/kg in soil samples collected at a depth of approximately 4 feet bgs in borings B-13 and B-14. ORO was reported non-detect at the laboratory PQL in the deeper soil samples collected at approximately 7 feet bgs in borings B-13 and B-14. However, groundwater samples collected from adjacent monitoring well MW-2 were reported non-detect at the laboratory PQL (Table 3). These data indicate a localized source of ORO-contaminated soil on the southern portion of the Site.

CONCLUSIONS

The PCE and associated degradation compounds detected in soil gas, soil, and groundwater samples collected from the borings advanced proximate to the dry cleaning equipment and associated sanitary side sewer lines beneath the dry cleaner suite confirm a localized source area from suspected releases likely associated with the operation of the dry cleaner business on the Site. HVOC-contaminated soil and/or groundwater in the source area may require special handling, treatment, and/or disposal during future redevelopment activities. In addition, ORO detected in soil samples collected from prior boring KP-3 and borings B-13 and B-14 on the south side of the Site indicates a localized area of shallow petroleum-contaminated soil that also may require special handling and/or disposal in accordance with the Ecology *Guidance for Remediation of Petroleum Contaminated Soils, Ecology 2011* if excavated during future development of the Site.

CLOSING

Farallon appreciates the opportunity to provide Hines Real Estate Investment Trust Properties, L.P. with environmental consulting services. Please contact either of the undersigned at (425) 295-0800 if you have questions or comments regarding this letter.

Sincerely,

Farallon Consulting, L.L.C.

Jennifer L. Moore
Associate Scientist

J. Riley Conkin, L.G., L.H.G.
Principal Geologist

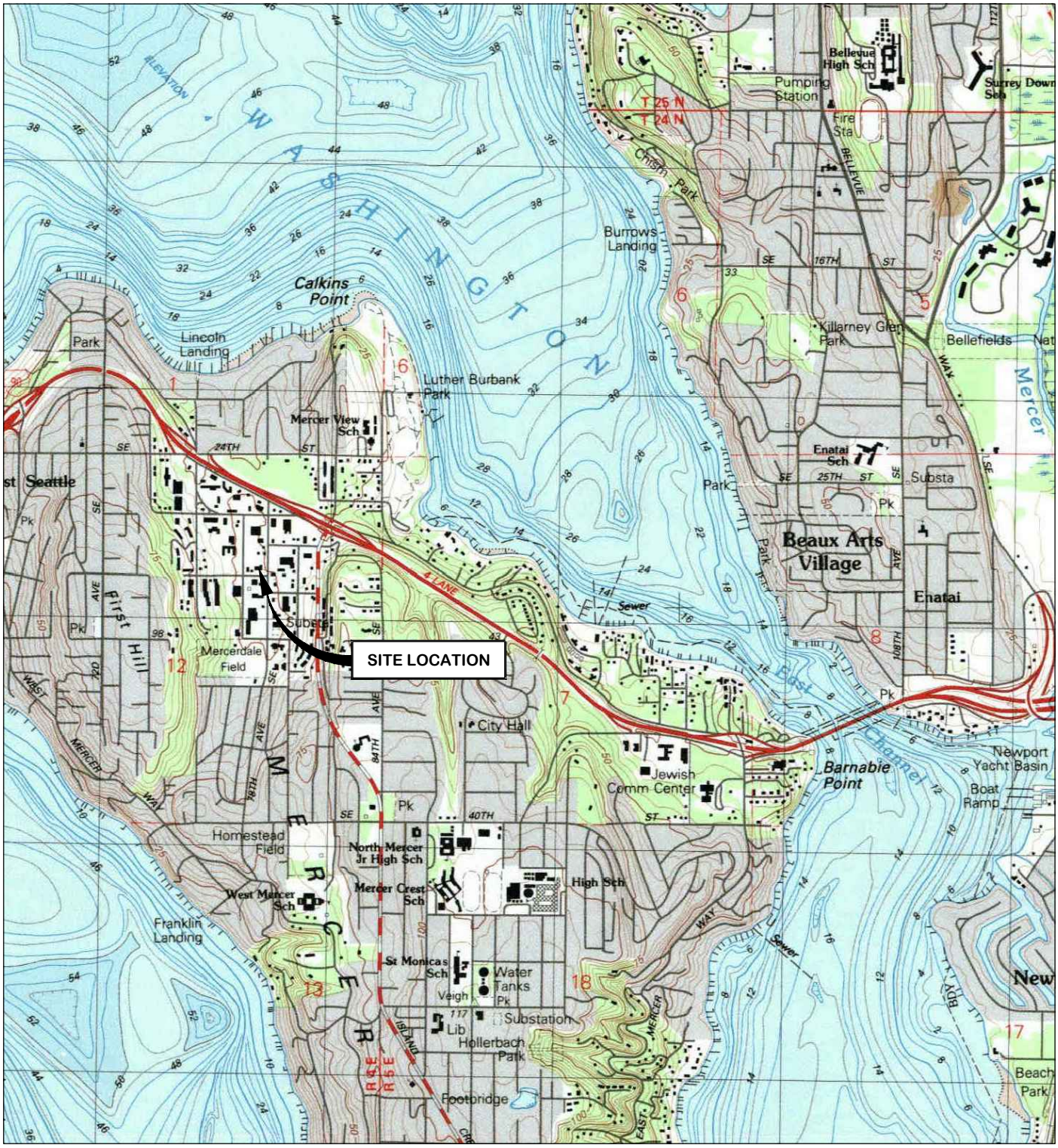
Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Soil Gas and Groundwater Analytical Results for HVOCs*
Figure 3, *Soil Analytical Results for PCE and ORO*
Table 1, *Groundwater Elevation Data*
Table 2, *Summary of Groundwater Sample Analytical Results for Select HVOCs*
Table 3, *Summary of Groundwater Sample Analytical Results for TPH and BTEX*
Table 4, *Summary of Soil Sample Analytical Results for Select HVOCs*
Table 5, *Summary of Soil Sample Analytical Results for TPH and BTEX*
Table 6, *Summary of Soil Sample Analytical Results for RCRA Metals*
Table 7, *Summary of Sub-Slab Soil Gas Analytical Results for Selected HVOCs*
Table 8, *MTCA Method B and Modified Method B Air Cleanup Level and Soil Gas Screening Level Calculations for PCE and TCE*
Attachment A, Boring Logs
Attachment B, Laboratory Analytical Report

JLM/JRC:bjj

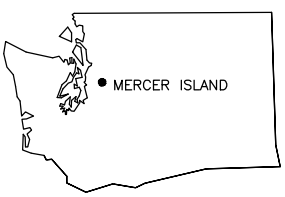
FIGURES

SUMMARY OF ADDITIONAL SUBSURFACE INVESTIGATION
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington

Farallon PN: 691-018



REFERENCE: 7.5 MINUTE USGS QUADRANGLE BELLEVUE SOUTH, WASHINGTON. DATED 1983



WASHINGTON

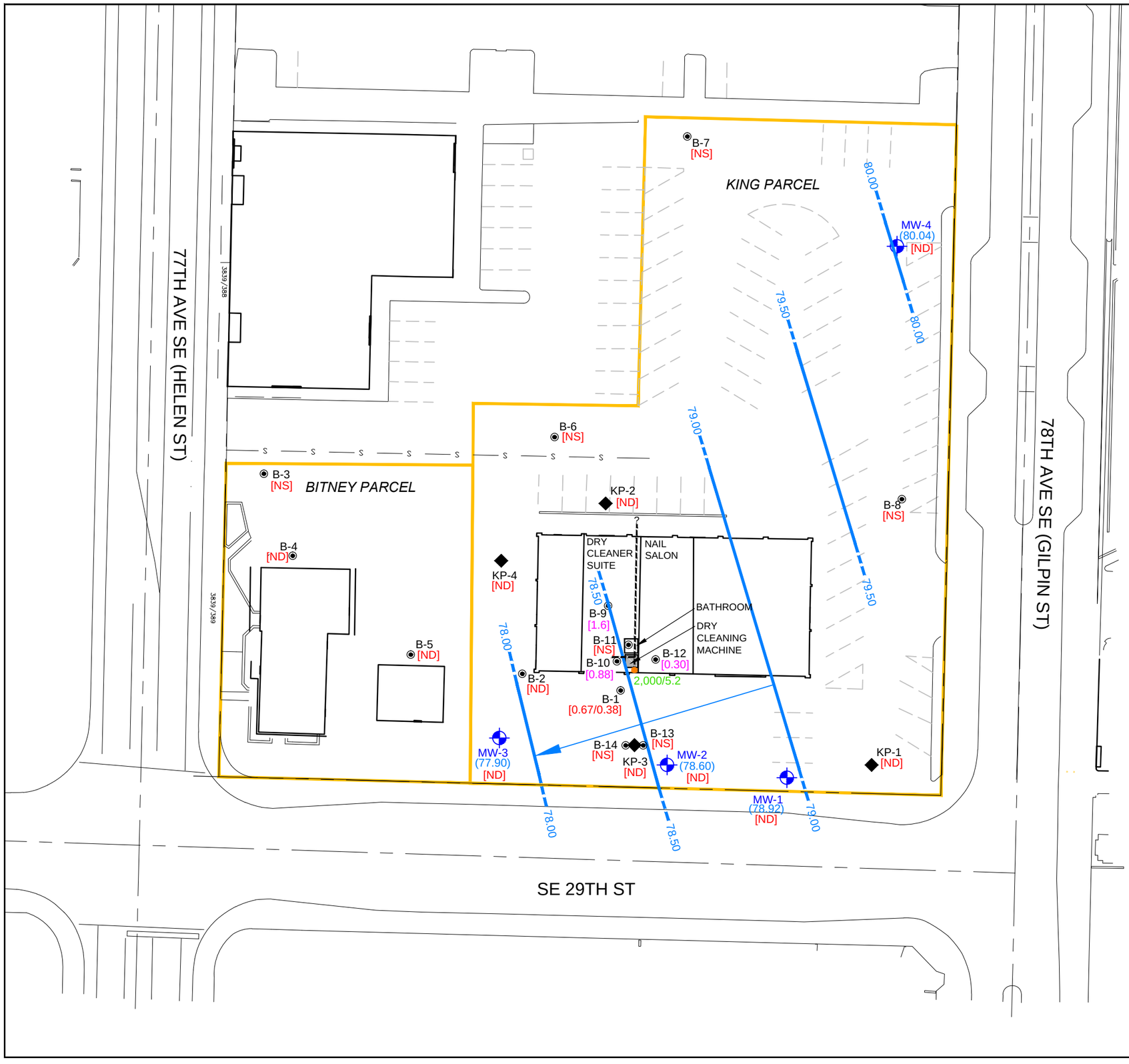
FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 1

SITE VICINITY MAP
2885 78th AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON

FARALLON PN: 691-018

Drawn By: DEW	Checked By: DC	Date: 10/25/13	Disk Reference: 691018



LEGEND

KING PARCEL — PARCEL BOUNDARY AND OWNER

— s — s — s — SEWER LINE

SIDE SEWER LINE

MW-4 — MONITORING WELL LOCATION

KP-4 — GEOPROBE BORING LOCATION (PACIFIC CREST ENVIRONMENTAL 5/12)

B-8 — BORING LOCATION (FARALLON CONSULTING)

SOIL GAS SAMPLE POINT

(80.04) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL) (12/8/2013)

79.00 — GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MSL

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

HVOCs = HALOGENATED VOLATILE ORGANIC COMPOUNDS

PCE = TETRACHLOROETHENE

TCE = TRICHLOROETHENE

cis-1,2-DCE = cis-1,2-DICHLOROETHENE

[0.67/0.38] — CONCENTRATION OF cis-1,2-DCE / TCE IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)

[0.88] — CONCENTRATION OF PCE IN GROUNDWATER IN µg/L

2,000/5.2 — CONCENTRATION OF PCE / TCE IN SUB-SLAB SOIL GAS IN MICROGRAMS / CUBIC METER

[ND] — HVOCs NOT DETECTED IN GROUNDWATER

[NS] — NOT SAMPLED

ALL LOCATIONS ARE APPROXIMATE

0 40
Scale in feet

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 2

SOIL GAS AND GROUNDWATER ANALYTICAL RESULTS FOR HVOCs
2885 78th AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON

FARALLON PN: 691–018

Drawn By: DEW	Checked By: JM	Date: 1/23/14	Disk Reference: 691018a

KING PARCEL

BITNEY PARCEL

B-6

DEPTH	PCE
7.0'	<0.0015

DEPTH	PCE
0.75'-4.0'	<0.0012

KP-2

DEPTH	PCE
4.5'-8.0'	<0.0013

KP-4

DRY CLEANER SUITE

NAIL SALON

?

DEPTH	PCE
2.5'	0.011
5.0'	0.011
7.5'	0.015
10.8'	0.015
14.5'	0.015

B-9

DEPTH	PCE
2.5'	0.03
5.0'	0.017
6.2'	0.012
8.3'	0.026
12.0'	0.018

BATHROOM

DRY CLEANING MACHINE

B-11

B-12

DEPTH	PCE
7.0'	<0.0013
10.0'	<0.0014

B-5

DEPTH	PCE
2.5	**0.051**
5.0'	0.043
7.5'	0.032
12.3'	0.026

B-10

2,000/5.2

DEPTH	PCE
2.5	0.012
5.0'	0.014
7.5'	0.026
10.0'	0.0073

DEPTH	PCE
1.0'	<0.0011
4.0'	<0.0014
10.0'	<0.0014

B-2

B-1

DEPTH	PCE
1.0'	<0.0018
7.0'	<0.0018
11.0'	<0.0025

DEPTH	ORO
4.5'	860
7.5'	<66

KP-3

B-14

B-13

DEPTH	ORO
0.5'	**5,600**
4.0'	81
6.5'	<57

DEPTH	PCE	ORO
4.0'-5.0'	<0.0011	580

MW-3

MW-2

MW-1

DEPTH	PCE
8.0'-10.0'	<0.00090

KP-1

B-8

78TH AVE SE (GILPIN ST)

SE 29TH ST

LEGEND

KING PARCEL — PARCEL BOUNDARY AND OWNER

— S — S — S — SEWER LINE

SIDE SEWER LINE

MW-4 — MONITORING WELL LOCATION

KP-4 — GEOPROBE BORING LOCATION (PACIFIC CREST ENVIRONMENTAL 5/12)

B-8 — BORING LOCATION (FARALLON CONSULTING)

SOIL GAS SAMPLE POINT

2,000/5.2 — CONCENTRATION OF PCE / TCE IN SUB-SLAB SOIL GAS IN MICROGRAMS / CUBIC METER

PCE = TETRACHLOROETHENE

ORO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS OIL-RANGE ORGANICS

BOLD = INDICATES CONCENTRATIONS EXCEED WASHINGTON STATE DEPARTMENT OF ECOLOGY MODEL TOXICS CONTROL ACT CLEANUP REGULATION METHOD A CLEANUP LEVELS

< = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

DEPTH IN FEET BELOW GROUND SURFACE

SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM

ALL LOCATIONS ARE APPROXIMATE

0 20
Scale in feet

FIGURE 3

SOIL ANALYTICAL RESULTS FOR PCE AND ORO
2885 78th AVENUE SOUTHEAST
MERCER ISLAND, WASHINGTON

FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FARALLON PN: 691-018

Drawn By: DEW	Checked By: JM	Date: 1/23/14	Disk Reference: 691018a

TABLES

SUMMARY OF ADDITIONAL SUBSURFACE INVESTIGATION
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington

Farallon PN: 691-018

Table 1
Groundwater Elevation Data
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Location	Date Measured	Well Head Elevation (feet)[1]	Depth to Water (feet)[2]	Groundwater Elevation (feet)[1]
MW-1	9/17/2013	86.3	7.72	78.58
	12/8/2013		7.38	78.92
MW-2	9/17/2013	80.94	3.51	77.43
	12/8/2013		2.34	78.60
MW-3	9/17/2013	81.15	3.58	77.57
	12/8/2013		3.25	77.90
MW-4	9/17/2013	89.91	10.32	79.59
	12/8/2013		9.87	80.04

NOTES:
[1] Elevation in feet above mean sea level.
[2] In feet below top of well casing.

Table 2
Summary of Groundwater Sample Analytical Results for Select HVOCs
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Sample Location	Sample Identification	Sampled By	Sample Date	Analytical Results (micrograms per liter)				
				PCE[1]	TCE[1]	cis-1,2-Dichloroethene[1]	trans-1,2-Dichloroethene[1]	Vinyl Chloride[1]
Data From Farallon								
Monitoring Well Groundwater Samples								
MW-1	MW-1-091713	Farallon	9/17/2013	<0.20	<0.20	<0.20	<0.20	<0.20
MW-2	MW-2-091713	Farallon	9/17/2013	<0.20	<0.20	<0.20	<0.20	<0.20
MW-3	MW-3-091713	Farallon	9/17/2013	<0.20	<0.20	<0.20	<0.20	<0.20
MW-4	MW-4-091713	Farallon	9/17/2013	<0.20	<0.20	<0.20	<0.20	<0.20
Reconnaissance Groundwater Samples								
B-1	B1-092713	Farallon	9/27/2013	<0.20	0.38	0.67	<0.20	<0.20
B-2	B2-092713	Farallon	9/27/2013	<0.20	<0.20	<0.20	<0.20	<0.20
B-4	B4-092713	Farallon	9/27/2013	<0.20	<0.20	<0.20	<0.20	<0.20
B-5	B5-092712	Farallon	9/27/2013	<0.20	<0.20	<0.20	<0.20	<0.20
B-9	B9-120813	Farallon	12/8/2013	1.6	<0.20	<0.20	<0.20	<0.20
B-10	B10-120813	Farallon	12/8/2013	0.88	<0.20	<0.20	<0.20	<0.20
B-12	B12-120813	Farallon	12/8/2013	0.30	<0.20	<0.20	<0.20	<0.20
Data From Other Consultants								
Reconnaissance Groundwater Samples								
KP1	KP1-050112-10RG	Pacific Crest	5/1/2012	<0.20	<0.20	<0.20	<0.20	<0.20
KP2	KP2-050112-8RG	Pacific Crest	5/1/2012	<0.20	<0.20	<0.20	<0.20	<0.20
KP3	KP3-050112-10RG	Pacific Crest	5/1/2012	<0.20	<0.20	<0.20	<0.20	<0.20
KP4	KP4-050112-8RG	Pacific Crest	5/1/2012	<0.20	<0.20	<0.20	<0.20	<0.20
MW-1	MW-1	ABPB Consulting	10/22/2012	<0.20	<0.20	<0.20	<0.20	<0.20
MW-2	MW-2	ABPB Consulting	10/22/2012	<0.20	<0.20	<0.20	<0.20	<0.20
MW-3	MW-3	ABPB Consulting	10/22/2012	<0.20	<0.20	<0.20	<0.20	<0.20
MTCA Cleanup Levels for Groundwater				**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

NOTES:

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

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

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

[2]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx

Farallon = Farallon Consulting, L.L.C.

HVOCs = halogenated volatile organic compounds

PCE = tetrachloroethene

TCE = trichloroethene

Table 3
Summary of Groundwater Sample Analytical Results for TPH and BTEX
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Sample Location	Sample Identification	Sampled By	Sample Date	Analytical Results (micrograms per liter)						
				DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethyl-benzene[3]	Xylenes[3]
Data From Farallon										
Monitoring Well Groundwater Samples										
MW-1	MW-1-091713	Farallon	9/17/2013	<0.27	<0.43	<100	<1.0	<1.0	<1.0	<2.0
MW-2	MW-2-091713	Farallon	9/17/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MW-3	MW-3-091713	Farallon	9/17/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
MW-4	MW-4-091713	Farallon	9/17/2013	<0.26	<0.41	<100	<1.0	<1.0	<1.0	<2.0
Reconnaissance Groundwater Samples										
B-4	B4-092713	Farallon	9/27/2013	<260	<420	<100	<1.0	<1.0	<1.0	<2.0
B-5	B5-092713	Farallon	9/27/2013	<260	<420	<100	<1.0	<1.0	<1.0	<2.0
Data From Other Consultants										
Reconnaissance Groundwater Samples										
KP1	KP1-050112-10RG	Pacific Crest	5/1/2012	<0.28	<0.45	<0.11	NS	NS	NS	NS
KP2	KP2-050112-8RG	Pacific Crest	5/1/2012	<0.29	<0.46	<0.12	NS	NS	NS	NS
KP3	KP3-050112-10RG	Pacific Crest	5/1/2012	<0.27	<0.44	<0.11	NS	NS	NS	NS
KP4	KP4-050112-8RG	Pacific Crest	5/1/2012	<0.26	<0.42	<0.10	NS	NS	NS	NS
MW-1	MW-1	ABPB Consulting	10/22/2012	NS	NS	<100	<1.0	<1.0	<1.0	<2.0
MW-2	MW-2	ABPB Consulting	10/22/2012	NS	NS	<100	<1.0	<1.0	<1.0	<2.0
MW-3	MW-2	ABPB Consulting	10/22/2012	NS	NS	<100	<1.0	<1.0	<1.0	<2.0
MTCA Method A Cleanup Levels for Groundwater[4]				**500**	**500**	**1,000**	**5**	**1,000**	**700**	**1,000**

NOTES:

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

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

- = depth of sample unknown.

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]Analyzed by U.S. Environmental Protection Agency Method 8021B.

[4]Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

Farallon = Farallon Consulting, L.L.C.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

NS = not sampled

Table 4
Summary of Soil Sample Analytical Results for Select HVOCs
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Sample Location	Sample Identification	Sampled By	Sample Date	Depth (feet)[1]	Analytical Results (milligrams per kilogram)[2]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Data From Farallon									
B-1	B-1-7.0	Farallon	9/27/2013	7.0	<0.0018	<0.0018	<0.0018	<0.0018	<0.0018
B-1	B1-1.0	Farallon	9/27/2013	1.0	<0.0018	<0.0018	<0.0018	<0.0018	<0.0018
B-1	B1-11.0	Farallon	9/27/2013	11.0	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
B-2	B2-1.0	Farallon	9/27/2013	1.0	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
B-2	B-2-4.0	Farallon	9/27/2013	4.0	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
B-2	B2-10.0	Farallon	9/27/2013	10.0	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
B-5	B5-7.0	Farallon	9/27/2013	7.0	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
B-5	B5-10.0	Farallon	9/27/2013	10.0	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
B-6	B-6-7.0	Farallon	9/27/2013	7.0	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
B-9	B9-2.5-120813	Farallon	12/8/2013	2.5	0.03	<0.00099	<0.00099	<0.00099	<0.00099
B-9	B9-5.0-120813	Farallon	12/8/2013	5.0	0.017	<0.0011	<0.0011	<0.0011	<0.0011
B-9	B9-6.2-120813	Farallon	12/8/2013	6.2	0.012	<0.00083	<0.00083	<0.00083	<0.00083
B-9	B9-8.3-120813	Farallon	12/8/2013	8.3	0.026	<0.001	<0.001	<0.001	<0.001
B-9	B9-12.0-120813	Farallon	12/8/2013	12.0	0.018	<0.00094	<0.00094	<0.00094	<0.00094
B-10	B10-2.5-120813	Farallon	12/8/2013	2.5	**0.051**	<0.00081	<0.00081	<0.00081	<0.00081
B-10	B10-5.0-120813	Farallon	12/8/2013	5.0	0.043	<0.0012	<0.0012	<0.0012	<0.0012
B-10	B10-7.5-120813	Farallon	12/8/2013	7.5	0.032	<0.0013	<0.0013	<0.0013	<0.0013
B-10	B10-12.3-120813	Farallon	12/8/2013	12.3	0.026	<0.00089	<0.00089	<0.00089	<0.00089
B-11	B11-2.5-120813	Farallon	12/8/2013	2.5	0.011	<0.00093	<0.00093	<0.00093	<0.00093
B-11	B11-5.0-120813	Farallon	12/8/2013	5.0	0.011	<0.0011	<0.0011	<0.0011	<0.0011
B-11	B11-7.5-120813	Farallon	12/8/2013	7.5	0.015	<0.0012	<0.0012	<0.0012	<0.0012
B-11	B11-10.8-120813	Farallon	12/8/2013	10.8	0.015	<0.00081	<0.00081	<0.00081	<0.00081
B-11	B11-14.5-120813	Farallon	12/8/2013	14.5	0.015	<0.00080	<0.00080	<0.00080	<0.00080
B-12	B12-2.5-120813	Farallon	12/8/2013	2.5	0.012	<0.00097	<0.00097	<0.00097	<0.00097
B-12	B12-5.0-120813	Farallon	12/8/2013	5.0	0.014	<0.0011	<0.0011	<0.0011	<0.0011
B-12	B12-7.5-120813	Farallon	12/8/2013	7.5	0.026	<0.0016	<0.0016	<0.0016	<0.0016
B-12	B12-10.0-120813	Farallon	12/8/2013	10.0	0.0073	<0.0082	<0.0082	<0.0082	<0.0082

Table 4
Summary of Soil Sample Analytical Results for Select HVOCs
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Sample Location	Sample Identification	Sampled By	Sample Date	Depth (feet)[1]	Analytical Results (milligrams per kilogram)[2]				
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Data From Other Consultants									
KP1	KP1-050112-8-10	Pacific Crest	5/1/2012	8.0-10.0	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090
KP2	KP2-050112-0.75-4	Pacific Crest	5/1/2012	0.75-4.0	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012
KP3	KP3-050112-4-5	Pacific Crest	5/1/2012	4.0-5.0	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
KP4	KP4-050112-4.5-8	Pacific Crest	5/1/2012	4.5-8.0	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
MTCA Cleanup Levels for Soil					**0.05**[3]	**0.03**[3]	**160**[5]	**1,600**[4]	**0.667**[4]

NOTES:

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

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

[1]Depth in feet below ground surface.

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

[3]Washington State Model Toxics Control Act 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 revised November 2007.

[4]Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, 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

[5]Cleanup Levels and Risk Calculations Method B Soil Cleanup Levels for Non-carcinogen, Standard Formula Value.

Farallon = Farallon Consulting, L.L.C.

HVOCs = halogenated volatile organic compounds

PCE = tetrachloroethene

TCE = trichloroethene

Table 5
Summary of Soil Sample Analytical Results for TPH and BTEX
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet)[1]	Analytical Results (milligrams per kilogram)						
					DRO[2]	ORO[2]	GRO[3]	Benzene[4]	Toluene[4]	Ethyl-benzene[4]	Xylenes[4]
Data From Farallon											
B-3	B3-7.0	Farallon	9/27/2013	7.0	<34	<68	<8.2	<0.020	<0.082	<0.082	<0.164
B-4	B4-7.0	Farallon	9/27/2013	7.0	<34	<67	<8.2	<0.020	<0.082	<0.082	<0.164
B-5	B5-7.0	Farallon	9/27/2013	7.0	<36	<72	<9.2	<0.020	<0.092	<0.092	<0.184
B-6	B6-7.0	Farallon	9/27/2013	7.0	<35	<69	<8.5	<0.020	<0.085	<0.085	<0.170
B-7	B7-11.0	Farallon	9/27/2013	11.0	<34	<69	<8.4	<0.020	<0.084	<0.084	<0.168
B-8	B8-10.0	Farallon	9/27/2013	10.0	<30	<60	<6.7	<0.020	<0.067	<0.067	<0.134
B-13	B13-0.5-120813	Farallon	12/8/2013	0.5	<190	**5,600**	NS	NS	NS	NS	NS
B-13	B13-4.0-120813	Farallon	12/8/2013	4.0	<28	81	NS	NS	NS	NS	NS
B-13	B13-6.5-120813	Farallon	12/8/2013	6.5	<28	<57	NS	NS	NS	NS	NS
B-14	B14-4.5-120813	Farallon	12/8/2013	4.5	<92	860	NS	NS	NS	NS	NS
B-14	B14-7.5-120813	Farallon	12/8/2013	7.5	<33	<66	NS	NS	NS	NS	NS
Data From Other Consultants											
KP1	KP1-050112-8-10	Pacific Crest	5/1/2012	8.0-10	<58	<120	<23	NS	NS	NS	NS
KP2	KP2-050112-0.75-4	Pacific Crest	5/1/2012	0.75-4.0	<70	<140	<28	NS	NS	NS	NS
KP3	KP3-050112-4-5	Pacific Crest	5/1/2012	4.0-5.0	<31	580	<25	NS	NS	NS	NS
KP4	KP4-050112-4.5-8	Pacific Crest	5/1/2012	4.5-8.0	<71	<140	<28	NS	NS	NS	NS
MW-1	MW-1@5'	ABPB Consulting	10/19/2012	5.0	NS	NS	<6	<0.020	<0.060	<0.060	<0.12
MW-1	MW-1@15'	ABPB Consulting	10/19/2012	15.0	NS	NS	<6	<0.020	<0.060	<0.060	<0.12
MW-2	MW-2@5'	ABPB Consulting	10/20/2012	5.0	NS	NS	<5.7	<0.020	<0.057	<0.057	<0.114
MW-2	MW-2@10'	ABPB Consulting	10/20/2012	10.0	NS	NS	<5.4	<0.020	<0.054	<0.054	<0.108
MW-3	MW-3@5'	ABPB Consulting	10/20/2012	5.0	NS	NS	<9.1	<0.020	<0.091	<0.091	<0.182
MW-3	MW-3@10'	ABPB Consulting	10/21/2012	10.0	NS	NS	<9.2	<0.020	<0.092	<0.092	<0.184
MTCA Method A Cleanup Levels for Soil[5]					**2,000**	**2,000**	**100**	**0.03**	**7**	**6**	**9**

NOTES:

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

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

-- denotes sample was not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by Northwest Method NWTPH-Dx.

[3]Analyzed by Northwest Method NWTPH-Gx.

[4]Analyzed by U.S. Environmental Protection Agency Method 8021B.

[5]Washington State Model Toxics Control Act 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.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

Farallon = Farallon Consulting, L.L.C.

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

NS = Not Sampled

Table 6
Summary of Soil Sample Analytical Results for RCRA Metals
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet) [1]	Analytical Results (milligrams per kilogram)[2]							
					Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
B-1	B1-7.0	Farallon	9/27/2013	7	<14	160	<0.71	77	<7.1	<0.36	<14	<1.4
MTCA Cleanup Levels for Soil [3]					**20**	**1,250**	**2**	**2,000**	**250**	**2**	**NE**	**NE**

NOTES:

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

RCRA = Resource Conservation and Recovery Act

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

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Methods 6000/6010/7000 Series.

[3]Washington State Model Toxics Control Act 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 the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) 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

Table 7
Summary of Sub-Slab Soil Gas Analytical Results for Selected HVOCs
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Sample Location	Sample Identification	Sample Date	Analytical Results (micrograms per cubic meter)[1]					
			PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloroethane	Vinyl Chloride
Sub-Slab	Soil Gas - 100813	10/8/2013	**2000**	**5.20**	<1.2	<6.1	<1.2	<0.40
MTCA Method B Indoor Air Cleanup Levels[2]			**9.6**	**0.37**				**0.28**
MTCA Method B Screening Levels for Soil Gas (Residential)			**96.2**	**3.7**	**160**	**130**	**22**	**2.8**
Modified MTCA Method B Screening Levels for Soil Gas (Commercial)			**501.7[3,4]**	**19.4[3,4]**				**14.7**

NOTES:

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

Bold text denotes analyte detected at a concentration greater than the MTCA Method B Indoor Air Cleaunup Levels and/or MTCA Method B Screaning Levels.

PCE = tetrachloroethene

TCE = trichloroethene

[1] Analyzed by U.S. Environmental Protection Agency (EPA) Method TO-15.

[2] Equation 750-2 of Section 750 of Chapter 173-340 of the Washington Administrative Code, Model Toxics Control Act Cleanup Regulation (MTCA):
CUL = (RISK*ABW*AT*UCF)/(CPF*BR*ABS*ED*EF).

[3] Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method B Soil Gas Screening Levels for Indoor Air modified for commercial setting. Calculations are shown in Table 10 of this letter report.

[4] Modified MTCA Method B Soil Gas Screening Levels based on forthcoming changes to be presented in an update to the Cleanup Levels and Risk Calculations (CLARC) database. These changes are based on February 2012 updates to the EPA Integrated Risk Information System (IRIS) database regarding toxicological data for these compounds.

Table 8
MTCA Method B and Modified Method B Air Cleanup Level and Soil Gas Screening Level Calculations for PCE and TCE
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington
Farallon PN: 691-018

Carcinogen, Eq. 750-2			**PCE**	**TCE**
Parameters		**Units**	**Default MTCA Method B Values**	
Carcinogenic Risk	RISK	unitless	0.000001	0.000001
Inhalation Cancer Potency Factor	CPF1	kg-day/mg	0.00091 [2]	0.0235 [2]
Average Body Weight	ABW	kg	70	70
Averaging Time	AT	years	75	75
Exposure Duration	ED	years	30	30
Exposure Frequency	EF	unitless	1	1
Air Breathing Rate	BR	m^3/day	20	20
Inhalation Absorption Fraction	ABS1	unitless	1	1
Unit Conversion Factor	UCF	µg/mg	1000	1000

Cleanup Level[1] =

Exposure Duration
Default: 30 years
Modified: **25** year working span

Exposure Frequency
Default: 1
Modified: 365 days per year * 24 hours per day = 8,760 hours/year
250 days per year * 8 hours per day = 2,000 hours/year
2,000/8,760 = **0.23**

Carcinogen, Eq. 750-2			**PCE**		**TCE**	
Parameters		**Units**	**Default**	**Modified [3,4]**	**Default**	**Modified [3,4]**
Carcinogenic Risk	RISK	unitless	0.000001	0.000001	0.000001	0.000001
Inhalation Cancer Potency Factor	CPF1	kg-day/mg	0.00091 [2]	0.00091 [2]	0.0235 [2]	0.0235 [2]
Average Body Weight	ABW	kg	70	70	70	70
Averaging Time	AT	years	75	75	75	75
Exposure Duration	ED	years	30	25	30	25
Exposure Frequency	EF	unitless	1	0.23	1	0.23
Air Breathing Rate	BR	m^3/day	20	20	20	20
Inhalation Absorption Fraction	ABS1	unitless	1	1	1	1
Unit Conversion Factor	UCF	µg/mg	1000	1000	1000	1000
MTCA Method B Air Cleanup Level (µg/m^3)			**9.62**	**50.17**	**0.37**	**1.94**
MTCA Method B Soil Gas Screening Level (µg/m^3)			**96.2**	**501.7**	**3.7**	**19.4**

NOTES:
[1]Equation 750-2 of Section 750 of Chapter 173-340 of the Washington Administrative Code.
[2]Inhalation Cancer Potency Factor for PCE and TCE as revised by U.S. Environmental Protection Agency in the Integrated Risk Information System (IRIS) database in February 2012.
[3] Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method B Soil Gas Screening Levels for Indoor Air modified for commercial setting.
[4] Modified MTCA Method B Soil Gas Screening Levels based on forthcoming changes to be presented in an update to the Cleanup Levels and Risk Calculations (CLARC) database. These changes are based on February 2012 updates to the EPA Integrated Risk Information System (IRIS) database regarding toxicological data for these compounds.

kg = kilograms
m^3/day = cubic meters per day
mg/kg-day = milligrams per kilogram per day
µg/mg = micrograms per milligram
µg/m^3 = micrograms per cubic meter
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
PCE = tetrachloroethene
TCE = trichloroethene

ATTACHMENT A
BORING LOGS

SUMMARY OF ADDITIONAL SUBSURFACE INVESTIGATION
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington

Farallon PN: 691-018

FARALLON consulting
975 5th Avenue Northwest
Issaquah, Washington 98027

Log of Boring: B-9

Client: Hines Real Estate
Project: Mercer Islands Apartments
Location: Mercer Island, WA

Farallon PN: 691-018

Logged By: Emerald Mulanax

Date/Time Started:	12/8/13 1615	**Sampler Type:**	2' Split Spoon
Date/Time Completed:	12/8/13 1800	**Drive Hammer (lbs.):**	Auto
Equipment:	Powerprobe 5200P	**Depth of Water ATD (ft bgs):**	2
Drilling Company:	ESN NW	**Total Boring Depth (ft bgs):**	14
Drilling Foreman:	Casey Newman	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Concrete.	CO							Concrete
		0.3-1.3': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	SP		75	NA				
		1.5-2.0': No recovery.	SP							Water Level
		2.0-3.5': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor, wet at 2.0 to 2.5 bgs.			75	NA	1.9	B9-2.5-120813	X	
		3.5-4.0': No recovery.	ML							
5		4.0-6.0': SILT (95% silt, 5% sand), fine to coarse sand, gray, moist, no odor.			100	NA	2.3	B9-5.0-120813	X	
		6.0-6.5': Poorly graded SAND (65% sand, 20% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, moist, no odor, (may be slough, hard to tell).	SP				1.2	B9-6.2-120813	X	
		6.5-8.0': No recovery.			25	NA				
		8.0-8.5': Silty SAND (70% sand, 30% silt), fine to medium sand, gray, moist, no odor.	SM				1.7	B9-8.3-120813	X	
		8.5-9.0': SILT with sand (85% silt, 15% sand), fine sand, gray, moist, no odor.	ML		50	NA				
10		9.0-10.0': No recovery.	ML							Bentonite
		10.0-11.5': SILT (90% silt, 5% sand, 5% gravel), fine sand, fine gravel, gray, moist, no odor.			75	NA				
		11.5-12.0': No recovery.								
		12.0-12.3': SILT (90% silt, 5% sand, 5% gravel), fine sand, fine gravel, gray, moist, no odor.	ML				2.4	B9-12.0-120813	X	
		12.3-14.0': No recovery.			15	NA				
								B9-120813 (GW)	X	
15		Refusal at 14' bgs.								

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	3/4" PVC	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.01	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	0-5	**Boring Abandonment:**	Bentonite		**Y:** NA

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Log of Boring: B-10

Client: Hines Real Estate
Project: Mercer Islands Apartments
Location: Mercer Island, WA

Farallon PN: 691-018

Logged By: Emerald Mulanax

Date/Time Started:	12/8/13 1415	**Sampler Type:**	2' Split Spoon
Date/Time Completed:	12/8/2013 1530	**Drive Hammer (lbs.):**	Auto
Equipment:	Powerprobe 5200P	**Depth of Water ATD (ft bgs):**	2
Drilling Company:	ESN NW	**Total Boring Depth (ft bgs):**	14
Drilling Foreman:	Casey Newman	**Total Well Depth (ft bgs):**	5
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Concrete.	CO						Concrete
		0.3-1.3': Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	SM	65	NA				
		1.3-2.0': No recovery							Water Level
		2.0-3.0': Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to medium sand, fine to coarse gravel, brown, wet, no odor.	SM			3.9	B10-2.5-120813	X	
		3.0-3.5': SILT (95% silt, 5% sand), fine to medium sand, gray, moist, no odor.	ML	75	NA				
		3.5-4.0': No recovery	ML						
5		4.0-8.5': SILT (95% silt, 5% sand), fine to medium sand, gray, moist, no odor.		100	NA	3.9	B10-5.0-120813	X	
				100	NA	3.9	B10-7.5-120813	X	
		8.5-10.0': No recovery		25	NA				
10		10.0-11.0': SILT (95% silt, 5% sand), fine to medium sand, gray, moist, no odor.	ML			3.0			Bentonite
		11.0-12.0': No Recovery		50	NA				
		12.0-12.5': Silty SAND (70% sand, 30% silt), fine sand, gray, moist, no odor.	SM			3.2	B10-12.3-120813	X	
		12.5-13.0': SILT (95% silt, 5% sand), fine to coarse sand, gray, moist, no odor.	ML	50	NA		B10-120813 (GW)	X	
		13.0-14.0': No recovery							
15		Refusal at 14' bgs.							

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	3/4" PVC	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.01	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	0-5	**Boring Abandonment:**	Bentonite		**Y:** NA

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Log of Boring: B-11

Client: Hines Real Estate
Project: Mercer Islands Apartments
Location: Mercer Island, WA

Farallon PN: 691-018

Logged By: Emerald Mulanax

Date/Time Started:	12/8/13 1100	**Sampler Type:**	2' Split Spoon
Date/Time Completed:	12/8/2013 1302	**Drive Hammer (lbs.):**	Auto
Equipment:	Powerprobe 5200P	**Depth of Water ATD (ft bgs):**	2
Drilling Company:	ESN NW	**Total Boring Depth (ft bgs):**	15
Drilling Foreman:	Casey Newman	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Concrete.	CO							Concrete
		0.3-1.3': Poorly graded SAND with gravel (80% sand, 15% gravel, 5% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	SP		60	NA				
		1.3-2.0': No recovery	SP							Water Level
		2.0-2.7': Poorly graded SAND with silt and gravel (75% sand, 15% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, wet, no odor.			40	NA	0.6	B11-2.5-120813	X	
		2.7-4.0': No recovery	SP							
5		4.0-4.5': Poorly graded SAND with silt and gravel (75% sand, 15% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	ML		100	NA	1.5	B11-5.0-120813	X	
		4.5-8.7': SILT (95% silt, 5% sand), fine to medium sand, gray, moist, no odor.			100	NA	0.3	B11-7.5-120813	X	
		8.7-9.3': Silty SAND (70% sand, 30% silt), fine to medium sand, gray, moist.	SM		70	NA				
10		9.3 - 10': No Recovery	ML							Bentonite
		10.0-11.0': SILT (95% silt, 5% sand), fine to medium sand, gray, moist, no odor.			50	NA	2.4	B11-10.8-120813	X	
		11.0-12.0': No recovery								
		12.0-13.5': SILT (90% silt, 5% sand, 5% gravel), fine to medium sand, fine gravel, gray, moist, no odor.	ML		70	NA				
		13.5-14.0': No recovery					2.1			
15		14.0-15.0': SILT (90% silt, 5% sand, 5% gravel), fine to medium sand, fine gravel, gray, moist, no odor.	ML		100	NA	1.3	B11-14.5-120813	X	
		Refusal at 15' bgs								

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

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Log of Boring: B-12

Client: Hines Real Estate
Project: Mercer Islands Apartments
Location: Mercer Island, WA

Farallon PN: 691-018

Logged By: Emerald Mulanax

Date/Time Started:	12/8/13 1827	**Sampler Type:**	2' Split Spoon
Date/Time Completed:	12/8/2013 1930	**Drive Hammer (lbs.):**	Auto
Equipment:	Powerprobe 5200P	**Depth of Water ATD (ft bgs):**	4.5
Drilling Company:	ESN NW	**Total Boring Depth (ft bgs):**	12
Drilling Foreman:	Casey Newman	**Total Well Depth (ft bgs):**	8
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Concrete.	CO							Concrete
		0.3-1.3': Poorly graded SAND with silt and gravel (75% sand, 15% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	SP-SM		65	NA				
		1.3-2.0': No recovery								
		2.0-3.2': Poorly graded SAND with silt and gravel (75% sand, 15% gravel, 10% silt), fine to medium sand, fine to coarse gravel, gray, moist, no odor.	SP-SM		75	NA	0.7	B12-2.5-120813	X	
		3.2-3.5': SILT (95% silt, 5% sand), fine sand, gray, moist, no odor.	ML							
		3.5-4.0': No recovery								
5		4.0-6.0': SILT (100% silt), gray, moist, no odor, wet at 4.5' bgs.	ML		100	NA	0.7	B12-5.0-120813	X	Water Level
		6.0-8.0': SILT (95% silt, 5% sand), fine to medium sand, gray, moist, no odor.	ML		100	NA	0.9	B12-7.5-120813	X	
		8.0-8.7': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist, no odor.	SM				1.1			
		8.7-10.0': No Recovery			35	NA				
10		10.0-10.3': SILT (90% silt, 10% sand), fine to medium sand, gray, moist, no odor.	ML				1.3	B12-10.0-120813	X	Bentonite
		10.3-12.0': No recovery			15	NA				
								B12-120813 (GW)	X	
		Refusal at 12' bgs.								

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	3/4" PVC	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.01	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	3-8	**Boring Abandonment:**	Bentonite		**Y:** NA

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Log of Boring: B-13

Client: Hines Real Estate
Project: Mercer Islands Apartments
Location: Mercer Island, WA

Farallon PN: 691-018

Logged By: Emerald Mulanax

Date/Time Started:	12/8/13 2040	**Sampler Type:**	4' Macrocore
Date/Time Completed:	12/8/2013 2100	**Drive Hammer (lbs.):**	Auto
Equipment:	Powerprobe 5200P	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN NW	**Total Boring Depth (ft bgs):**	8
Drilling Foreman:	Casey Newman	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Concrete.	CO							Concrete
		0.3-1.3': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine gravel, dark brown, moist, no odor.	SP-SM				1.5	B13-0.5-120813	X	
		0.7-4.0': No recovery.			18	NA				
		4.0-7.0': SILT (95% silt, 5% sand), fine sand, gray to brown, moist, no odor, gravel lense at 4' bgs.	ML				0.6	B13-4.0-120813	X	Bentonite
5					75	NA				
							0.7	B13-6.5-120813	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

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Log of Boring: B-14

Client: Hines Real Estate
Project: Mercer Islands Apartments
Location: Mercer Island, WA

Farallon PN: 691-018

Logged By: Emerald Mulanax

Date/Time Started:	12/8/13 2022	**Sampler Type:**	4' Macrocore
Date/Time Completed:	12/8/2013 2038	**Drive Hammer (lbs.):**	Auto
Equipment:	Powerprobe 5200P	**Depth of Water ATD (ft bgs):**	NE
Drilling Company:	ESN NW	**Total Boring Depth (ft bgs):**	8
Drilling Foreman:	Casey Newman	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USGS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.3': Concrete.	CO							Concrete
		0.3-1.3': Poorly graded SAND with silt and gravel (75% sand, 15% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	SP-SM				0.6			
		1.3-3.5': SILT (95% silt, 5% sand), fine sand, gray, moist, no odor.	ML		88	NA				
		3.5-4.0': No recovery								
		4.0-8.0': SILT (95% silt, 5% sand), fine sand, gray from 4-5.5' bgs and tan from 5.5-8' bgs, moist, no odor.	ML				0.7	B14-4.5-120813	X	Bentonite
5					100	NA				
							0.7	B14-7.5-120813	X	

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite		**Y:** NA

ATTACHMENT B
LABORATORY ANALYTICAL REPORT

SUMMARY OF ADDITIONAL SUBSURFACE INVESTIGATION
Mercer Island Apartments
2885 78th Avenue Southeast
Mercer Island, Washington

Farallon PN: 691-018

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

December 10, 2013

Jennifer Moore
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 691-018
Laboratory Reference No. 1312-048

Dear Jennifer:

Enclosed are the analytical results and associated quality control data for samples submitted on December 9, 2013.

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: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

Case Narrative

Samples were collected on December 8, 2013 and received by the laboratory on December 9, 2013. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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.

Halogenated Volatiles EPA 8260C (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.

Sample B9-8.3-120813 had one internal standard recovery outside of control limits. All results, including PQLs, from Bromobenzene onward should be considered estimates. The sample was re-extracted and re-analyzed with similar results, indicating matrix interference.

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: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-2.5-120813**					
Laboratory ID:	12-048-01					
Dichlorodifluoromethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0046	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0046	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0046	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0046	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-2.5-120813**					
Laboratory ID:	12-048-01					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.011	0.00093	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*65-129*				
Toluene-d8	*101*	*77-122*				
4-Bromofluorobenzene	*98*	*73-124*				

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-5.0-120813**					
Laboratory ID:	12-048-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0056	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0056	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0056	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0056	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-5.0-120813**					
Laboratory ID:	12-048-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.011	0.0011	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0056	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*65-129*				
Toluene-d8	*98*	*77-122*				
4-Bromofluorobenzene	*96*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-7.5-120813**					
Laboratory ID:	12-048-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0061	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0061	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0061	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0061	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-7.5-120813**					
Laboratory ID:	12-048-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.015	0.0012	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0061	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0061	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*65-129*				
Toluene-d8	*104*	*77-122*				
4-Bromofluorobenzene	*101*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-10.8-120813**					
Laboratory ID:	12-048-04					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-10.8-120813**					
Laboratory ID:	12-048-04					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.015	0.00081	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*65-129*				
Toluene-d8	*103*	*77-122*				
4-Bromofluorobenzene	*93*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-14.5-120813**					
Laboratory ID:	12-048-05					
Dichlorodifluoromethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0040	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0040	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0040	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0040	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0040	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	

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Samples Submitted: December 9, 2013
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Project: 691-018

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B11-14.5-120813**					
Laboratory ID:	12-048-05					
1,1,2-Trichloroethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.015	0.00080	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00080	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*65-129*				
Toluene-d8	*102*	*77-122*				
4-Bromofluorobenzene	*96*	*73-124*				

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Project: 691-018

HALOGENATED VOLATILES EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-2.5-120813**					
Laboratory ID:	12-048-06					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-2.5-120813**					
Laboratory ID:	12-048-06					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.051	0.00081	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*65-129*				
Toluene-d8	*105*	*77-122*				
4-Bromofluorobenzene	*102*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-5.0-120813**					
Laboratory ID:	12-048-07					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0059	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0059	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0059	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0059	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-5.0-120813**					
Laboratory ID:	12-048-07					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.043	0.0012	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0059	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*65-129*				
Toluene-d8	*105*	*77-122*				
4-Bromofluorobenzene	*102*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-7.5-120813**					
Laboratory ID:	12-048-08					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0067	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0067	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0067	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0067	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0067	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-7.5-120813**					
Laboratory ID:	12-048-08					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.032	0.0013	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0067	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0067	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*65-129*				
Toluene-d8	*106*	*77-122*				
4-Bromofluorobenzene	*103*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-12.3-120813**					
Laboratory ID:	12-048-09					
Dichlorodifluoromethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0044	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0044	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0044	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0044	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-12.3-120813**					
Laboratory ID:	12-048-09					
1,1,2-Trichloroethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.026	0.00089	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00089	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*65-129*				
Toluene-d8	*103*	*77-122*				
4-Bromofluorobenzene	*97*	*73-124*				

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Project: 691-018

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-2.5-120813**					
Laboratory ID:	12-048-11					
Dichlorodifluoromethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-2.5-120813**					
Laboratory ID:	12-048-11					
1,1,2-Trichloroethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.030	0.00099	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00099	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*65-129*				
Toluene-d8	*104*	*77-122*				
4-Bromofluorobenzene	*101*	*73-124*				

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Samples Submitted: December 9, 2013
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Project: 691-018

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-5.0-120813**					
Laboratory ID:	12-048-12					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0054	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0054	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0054	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0054	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-5.0-120813**					
Laboratory ID:	12-048-12					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.017	0.0011	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0054	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*65-129*				
Toluene-d8	*104*	*77-122*				
4-Bromofluorobenzene	*101*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-6.2-120813**					
Laboratory ID:	12-048-13					
Dichlorodifluoromethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0042	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0042	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0042	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0042	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-6.2-120813**					
Laboratory ID:	12-048-13					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.012	0.00083	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*65-129*				
Toluene-d8	*104*	*77-122*				
4-Bromofluorobenzene	*102*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-8.3-120813**					
Laboratory ID:	12-048-14					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0052	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0052	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0052	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0052	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-8.3-120813**					
Laboratory ID:	12-048-14					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.026	0.0010	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0052	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*65-129*				
Toluene-d8	*105*	*77-122*				
4-Bromofluorobenzene	*103*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-12.0-120813**					
Laboratory ID:	12-048-15					
Dichlorodifluoromethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0047	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0047	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0047	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0047	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-12.0-120813**					
Laboratory ID:	12-048-15					
1,1,2-Trichloroethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.018	0.00094	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0047	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00094	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*65-129*				
Toluene-d8	*102*	*77-122*				
4-Bromofluorobenzene	*92*	*73-124*				

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-2.5-120813**					
Laboratory ID:	12-048-17					
Dichlorodifluoromethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0049	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0049	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0049	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0049	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-2.5-120813**					
Laboratory ID:	12-048-17					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.012	0.00097	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*65-129*				
Toluene-d8	*98*	*77-122*				
4-Bromofluorobenzene	*96*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-5.0-120813**					
Laboratory ID:	12-048-18					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0057	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0057	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0057	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0057	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-5.0-120813**					
Laboratory ID:	12-048-18					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.014	0.0011	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0057	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*65-129*				
Toluene-d8	*94*	*77-122*				
4-Bromofluorobenzene	*94*	*73-124*				

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HALOGENATED VOLATILES EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-7.5-120813**					
Laboratory ID:	12-048-19					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Chloromethane	ND	0.0080	EPA 8260C	12-10-13	12-10-13	
Vinyl Chloride	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Bromomethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Chloroethane	ND	0.0080	EPA 8260C	12-10-13	12-10-13	
Trichlorofluoromethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloroethene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Iodomethane	ND	0.0080	EPA 8260C	12-10-13	12-10-13	
Methylene Chloride	ND	0.0080	EPA 8260C	12-10-13	12-10-13	
(trans) 1,2-Dichloroethene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloroethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
2,2-Dichloropropane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
(cis) 1,2-Dichloroethene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Bromochloromethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Chloroform	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,1,1-Trichloroethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Carbon Tetrachloride	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloropropene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,2-Dichloroethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Trichloroethene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,2-Dichloropropane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Dibromomethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Bromodichloromethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
2-Chloroethyl Vinyl Ether	ND	0.0080	EPA 8260C	12-10-13	12-10-13	
(cis) 1,3-Dichloropropene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
(trans) 1,3-Dichloropropene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-7.5-120813**					
Laboratory ID:	12-048-19					
1,1,2-Trichloroethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Tetrachloroethene	0.026	0.0016	EPA 8260C	12-10-13	12-10-13	
1,3-Dichloropropane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Dibromochloromethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,2-Dibromoethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Chlorobenzene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,1,1,2-Tetrachloroethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Bromoform	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Bromobenzene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,1,2,2-Tetrachloroethane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,2,3-Trichloropropane	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
2-Chlorotoluene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
4-Chlorotoluene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,3-Dichlorobenzene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,4-Dichlorobenzene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,2-Dichlorobenzene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
1,2-Dibromo-3-chloropropane	ND	0.0080	EPA 8260C	12-10-13	12-10-13	
1,2,4-Trichlorobenzene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Hexachlorobutadiene	ND	0.0080	EPA 8260C	12-10-13	12-10-13	
1,2,3-Trichlorobenzene	ND	0.0016	EPA 8260C	12-10-13	12-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*65-129*				
Toluene-d8	*103*	*77-122*				
4-Bromofluorobenzene	*102*	*73-124*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-10.0-120813**					
Laboratory ID:	12-048-20					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Chloromethane	ND	0.0041	EPA 8260C	12-10-13	12-10-13	
Vinyl Chloride	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Bromomethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Chloroethane	ND	0.0041	EPA 8260C	12-10-13	12-10-13	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Iodomethane	ND	0.0041	EPA 8260C	12-10-13	12-10-13	
Methylene Chloride	ND	0.0041	EPA 8260C	12-10-13	12-10-13	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Bromochloromethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Chloroform	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Trichloroethene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Dibromomethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Bromodichloromethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	12-10-13	12-10-13	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-10.0-120813**					
Laboratory ID:	12-048-20					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Tetrachloroethene	0.0073	0.00082	EPA 8260C	12-10-13	12-10-13	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Dibromochloromethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Chlorobenzene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Bromoform	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Bromobenzene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
2-Chlorotoluene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
4-Chlorotoluene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	12-10-13	12-10-13	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	12-10-13	12-10-13	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	12-10-13	12-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*65-129*				
Toluene-d8	*105*	*77-122*				
4-Bromofluorobenzene	*100*	*73-124*				

Date of Report: December 10, 2013
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HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1209S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1209S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*65-129*				
Toluene-d8	*100*	*77-122*				
4-Bromofluorobenzene	*98*	*73-124*				

Date of Report: December 10, 2013
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Project: 691-018

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1210S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Chloromethane	ND	0.0050	EPA 8260C	12-10-13	12-10-13	
Vinyl Chloride	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Bromomethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Chloroethane	ND	0.0050	EPA 8260C	12-10-13	12-10-13	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Iodomethane	ND	0.0050	EPA 8260C	12-10-13	12-10-13	
Methylene Chloride	ND	0.0050	EPA 8260C	12-10-13	12-10-13	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Bromochloromethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Chloroform	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Trichloroethene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Dibromomethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Bromodichloromethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	12-10-13	12-10-13	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1210S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Tetrachloroethene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Dibromochloromethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Chlorobenzene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Bromoform	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Bromobenzene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
2-Chlorotoluene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
4-Chlorotoluene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	12-10-13	12-10-13	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	12-10-13	12-10-13	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	12-10-13	12-10-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*65-129*				
Toluene-d8	*98*	*77-122*				
4-Bromofluorobenzene	*96*	*73-124*				

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1209S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0453**	**0.0469**	0.0500	0.0500	91	94	56-141	3	15	
Benzene	**0.0438**	**0.0465**	0.0500	0.0500	88	93	70-121	6	15	
Trichloroethene	**0.0488**	**0.0492**	0.0500	0.0500	98	98	74-118	1	15	
Toluene	**0.0475**	**0.0489**	0.0500	0.0500	95	98	75-120	3	15	
Chlorobenzene	**0.0518**	**0.0527**	0.0500	0.0500	104	105	75-120	2	15	
Surrogate:										
Dibromofluoromethane					*91*	*96*	*65-129*			
Toluene-d8					*97*	*98*	*77-122*			
4-Bromofluorobenzene					*97*	*98*	*73-124*			

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1210S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0463**	**0.0445**	0.0500	0.0500	93	89	56-141	4	15	
Benzene	**0.0461**	**0.0446**	0.0500	0.0500	92	89	70-121	3	15	
Trichloroethene	**0.0509**	**0.0479**	0.0500	0.0500	102	96	74-118	6	15	
Toluene	**0.0498**	**0.0475**	0.0500	0.0500	100	95	75-120	5	15	
Chlorobenzene	**0.0528**	**0.0511**	0.0500	0.0500	106	102	75-120	3	15	
Surrogate:										
Dibromofluoromethane					*93*	*94*	*65-129*			
Toluene-d8					*96*	*95*	*77-122*			
4-Bromofluorobenzene					*94*	*95*	*73-124*			

Date of Report: December 10, 2013
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HALOGENATED VOLATILES EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-120813**					
Laboratory ID:	12-048-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B10-120813**					
Laboratory ID:	12-048-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.88	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*62-122*				
Toluene-d8	*99*	*70-120*				
4-Bromofluorobenzene	*98*	*71-120*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-120813**					
Laboratory ID:	12-048-16					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	

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HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B9-120813**					
Laboratory ID:	12-048-16					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	1.6	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*62-122*				
Toluene-d8	*100*	*70-120*				
4-Bromofluorobenzene	*98*	*71-120*				

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-120813**					
Laboratory ID:	12-048-21					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
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Project: 691-018

HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B12-120813**					
Laboratory ID:	12-048-21					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	0.30	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*62-122*				
Toluene-d8	*99*	*70-120*				
4-Bromofluorobenzene	*99*	*71-120*				

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	12-048-27					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	12-048-27					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*62-122*				
Toluene-d8	*100*	*70-120*				
4-Bromofluorobenzene	*97*	*71-120*				

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1209W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloromethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Vinyl Chloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Trichlorofluoromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Iodomethane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Methylene Chloride	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chloroform	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Carbon Tetrachloride	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Trichloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromomethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromodichloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	12-9-13	12-9-13	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	12-9-13	12-9-13	

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1209W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Tetrachloroethene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Dibromochloromethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromoethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Chlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Bromoform	ND	1.0	EPA 8260C	12-9-13	12-9-13	
Bromobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	12-9-13	12-9-13	
2-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
4-Chlorotoluene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	12-9-13	12-9-13	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
Hexachlorobutadiene	ND	0.20	EPA 8260C	12-9-13	12-9-13	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260C	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*62-122*				
Toluene-d8	*101*	*70-120*				
4-Bromofluorobenzene	*99*	*71-120*				

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

HALOGENATED VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1209W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.44**	**9.08**	10.0	10.0	94	91	63-142	4	17	
Benzene	**9.62**	**9.41**	10.0	10.0	96	94	78-125	2	15	
Trichloroethene	**9.43**	**8.78**	10.0	10.0	94	88	80-125	7	15	
Toluene	**10.1**	**9.53**	10.0	10.0	101	95	80-125	6	15	
Chlorobenzene	**10.9**	**10.5**	10.0	10.0	109	105	80-140	4	15	
Surrogate:										
Dibromofluoromethane					*93*	*95*	*62-122*			
Toluene-d8					*99*	*98*	*70-120*			
4-Bromofluorobenzene					*96*	*98*	*71-120*			

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B14-4.5-120813**					
Laboratory ID:	12-048-22					
Diesel Range Organics	**ND**	92	NWTPH-Dx	12-9-13	12-9-13	U1
Lube Oil	**860**	72	NWTPH-Dx	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*75*	*50-150*				
Client ID:	**B14-7.5-120813**					
Laboratory ID:	12-048-23					
Diesel Range Organics	**ND**	33	NWTPH-Dx	12-9-13	12-9-13	
Lube Oil Range Organics	**ND**	66	NWTPH-Dx	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*78*	*50-150*				
Client ID:	**B13-0.5-120813**					
Laboratory ID:	12-048-24					
Diesel Range Organics	**ND**	190	NWTPH-Dx	12-9-13	12-9-13	U1
Lube Oil	**5600**	260	NWTPH-Dx	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				
Client ID:	**B13-4.0-120813**					
Laboratory ID:	12-048-25					
Diesel Range Organics	**ND**	28	NWTPH-Dx	12-9-13	12-9-13	
Lube Oil	**81**	56	NWTPH-Dx	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*77*	*50-150*				
Client ID:	**B13-6.5-120813**					
Laboratory ID:	12-048-26					
Diesel Range Organics	**ND**	28	NWTPH-Dx	12-9-13	12-9-13	
Lube Oil Range Organics	**ND**	57	NWTPH-Dx	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*75*	*50-150*				

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1209S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	12-9-13	12-9-13	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	12-9-13	12-9-13	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*84*	*50-150*				

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-046-01							
	ORIG	DUP						
Diesel Range Organics	**ND**	**ND**				NA	NA	
Lube Oil	**1220**	**1210**				1	NA	
Surrogate:								
o-Terphenyl			*90*	*89*	*50-150*			

Date of Report: December 10, 2013
Samples Submitted: December 9, 2013
Laboratory Reference: 1312-048
Project: 691-018

% MOISTURE

Date Analyzed: 12-9-13

Client ID	Lab ID	% Moisture
B11-2.5-120813	12-048-01	10
B11-5.0-120813	12-048-02	30
B11-7.5-120813	12-048-03	28
B11-10.8-120813	12-048-04	12
B11-14.5-120813	12-048-05	12
B10-2.5-120813	12-048-06	9
B10-5.0-120813	12-048-07	29
B10-7.5-120813	12-048-08	28
B10-12.3-120813	12-048-09	10
B9-2.5-120813	12-048-11	9
B9-5.0-120813	12-048-12	27
B9-6.2-120813	12-048-13	11
B9-8.3-120813	12-048-14	10
B9-12.0-120813	12-048-15	20
B12-2.5-120813	12-048-17	9
B12-5.0-120813	12-048-18	29
B12-7.5-120813	12-048-19	35
B12-10.0-120813	12-048-20	14
B14-4.5-120813	12-048-22	31
B14-7.5-120813	12-048-23	24
B13-0.5-120813	12-048-24	4
B13-4.0-120813	12-048-25	11
B13-6.5-120813	12-048-26	12

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.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

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.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

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

Chain of Custody

Page 1 of 3

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Farallon
Project Number: 691-018
Project Name: Mercer Island Apts
Project Manager: Jen Moore
Sampled by: Emerald Mulanax

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

Laboratory Number: 12-048

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals/ MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	B11-2.5-120813	12/6/13	1111	Soil	4						X										X
2	B11-5.0-120813		1118								X										X
3	B11-7.5-120813		1126								X										X
4	B11-10.8-120813		1158								X										X
5	B11-14.5-120813		1315								X										X
6	B10-2.5-120813		1435								X										X
7	B10-5.0-120813		1447								X										X
8	B10-7.5-120813		1455								X										X
9	B10-12.3-120813		1535								X										X
10	B10-120813	↓	1637	water	2						X										

	Signature	Company	Date	Time
Relinquished	Emerald Mulanax	Farallon	12/9/13	0718
Received	Bob Wallace	OSE	12/9/13	0718
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* Hold all Samples. Will Call with analyses.
(X) Added 12/9/13 JBG
1 day TA

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
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Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 12-048

Company: Farallon
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Project Name: Mercer Island Apts
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Sampled by: Emerald Mulanax

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
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11	B9-2.5-120813	12/8/13	1623	Soil	4						X										X
12	B9-5.0-120813		1640								X										X
13	B9-6.2-120813		1655								X										X
14	B9-8.3-120813		1752								X										X
15	B9-12.0-120813		1804								X										X
16	B9-120813		1857	Water	2						X										
17	B12-2.5-120813		1845	Soil	4						X										X
18	B12-5.0-120813		1850								X										X
19	B12-7.5-120813		1905								X										X
20	B12-10.0-120813		1933								X										X

	Signature	Company	Date	Time
Relinquished	Emerald Mulanax	Farallon	12/9/13	0718
Received	Bob Wallace	OSE	12/9/13	0718
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

* See Note on pg. 1.

(X) Added 12/9/13 BG
1 day TA

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

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Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Farallon
Project Number: 691-018
Project Name: Mercer Island Apts
Project Manager: Jon Moore
Sampled by: Emerald Mulanax

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 12-048

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21	B12-120813	12/8/13	1947	water	3						X										
22	B14-4.5-120813		2038	soil	See Note				X												X
23	B14-7.5-120813		2040						X												X
24	B13-0.5-120813		2056						X												X
25	B13-4.0-120813		2107						X												X
26	B13-6.5-120813		2110						X												X
27	Trip Blank				2						X										

	Signature	Company	Date	Time
Relinquished	Emerald Mulanax	Farallon	12/9/13	0718
Received	Bob Wallace	GSE	12/9/13	0718
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

* See Note on Pg. 1

(X) Added 12/9/13 ~~BG~~ 1 day TA

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____