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March 31, 2016

Mr. Niels Brown as Executor of the Estate of Arthur Leyendekker
c/o David Ubaldi
Davis Wright Tremaine LLP
777 108th Avenue Northeast, Suite 2300
Bellevue, Washington 98004

BY E-MAIL ONLY

RE: SUBSURFACE INVESTIGATION
KELLOGG'S KORNER
SUNNYSIDE, WASHINGTON
FARALLON PN: 1432-001

Dear Mr. Brown:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter report to document the subsurface investigation conducted at Kellogg's Korner at the northwestern corner of Emerald Road and Midvale Road in Sunnyside, Washington (herein referred to as the Site) (Figure 1). The subsurface investigation described in this report was performed as part of a scope of work to move the Site toward regulatory closure under the Washington Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) as described in a letter proposal dated September 28, 2015 from Farallon to Mr. Niels Brown.

This letter report includes a summary of the relevant Site background, the geology and hydrogeology of the Site vicinity, a description of the subsurface investigation conducted by Farallon in November 2015, and the results of and Farallon's conclusions pertaining to the subsurface investigation.

BACKGROUND

The Site includes Yakima County Tax Parcel No. 22103544033, which consists of 1.01 acres of undeveloped land. The Site was formerly developed with a gas station and market. A 550-gallon gasoline underground storage tank (UST) at the Site did not pass a tank integrity test conducted on May 3, 1990, which triggered cleanup activities. Currently, the Site is undeveloped and still has the groundwater infiltration trench and groundwater interception trench that were both installed as part of the cleanup activities. The nearest surface water body is the Snipes Mountain Lateral irrigation canal approximately 4,450 feet west of the Site.

Farallon reviewed documents that detail previous investigations performed on the Site by Chen-Northern Inc. (Chen-Northern). The documents include:

- *Corrective Action Plan, Kellogg's Korner, Sunnyside, Washington* dated March 1993, prepared by Chen-Northern for Mr. Niels Brown c/o Hart and Winfree; and

- *Groundwater Sampling and Analysis Plan, Kellogg's Korner Monitor Wells, Sunnyside, Washington* dated October 1993, prepared by Chen-Northern for Mr. Niels Brown c/o Hart and Winfree (Chen-Northern Report).

Previous investigations conducted by Chen-Northern confirmed a release of gasoline to soil and groundwater at the Site and characterized the nature and extent of the release. In accordance with a Consent Decree with Ecology, Arthur Leyendekker implemented a cleanup action at the Site commencing in 1990. Arthur Leyendekker passed away on August 13, 1991 and work continued at the direction of the Executor of the Estate of Arthur Leyendekker (Estate). According to available records, cleanup activities at the Site ceased in approximately 1994.

Characterization activities currently are being performed to characterize the nature and extent of remaining contaminated soil and groundwater at the Site to formulate a site conceptual model and identify if additional remediation may be necessary for issuance of a No Further Action determination for the Site by Ecology through the VCP.

GEOLOGY AND HYDROGEOLOGY

General discussion of the regional geology at the Site is available in *the U.S. Geological Survey Scientific Investigation Report (2006-5116)* dated 2006, prepared by Jones, Vaccaro, and Watkins (Jones et al., 2006). The Site is located near the axis of the Wapato Syncline in the Yakima Fold Belt, a province that encompasses Yakima River Basin. The Yakima Fold Belt is highly folded and faulted as a result of regional tectonic compression.

Surficial geology at this location consists of unconsolidated quaternary flood and loess (wind) deposits that were formed through erosion of the Cascade Range and surrounding east-west-trending anticlinal ridges that surround the Site. Fluvial units are generally comprised of thick sequences of sand, gravel, and some finer material including silt and clay. Loess deposits are primarily silt and clay and tend to be found in the south and eastern portions of the valley (Jones et al., 2006).

According to the Chen-Northern Report, Site subsurface lithology consists of brown silt to approximately 3 feet below ground surface (bgs), yellow to brown plastic silt from 3 to 8 feet bgs, and medium-grained sand with silt from 8 to 30 feet bgs. Groundwater is approximately 10 feet bgs at the Site and flows to the southeast. Stormwater runoff at the Site infiltrates into the ground or travels via overland flow into the irrigation supply ditch along the eastern edge of the Site. The irrigation supply ditch is no longer present on the eastern edge of the Site; however, Farallon does not know when the irrigation supply ditch was terminated.

Based on Farallon's observations made during the subsurface investigation conducted in November 2015, the general Site stratigraphy at borings FB-06, FB-08 through FB-13, and FB-15 consists primarily of sandy silt with layers of silty sand to the total depth explored of approximately 20 feet bgs. The stratigraphy at borings FB-07 and FB-14 advanced at the Site

consists of layers of poorly graded gravel, silty sand, and sandy silt to the total depth explored of approximately 20 feet bgs.

A shallow groundwater-bearing zone was encountered in all borings FB-06 through FB-15 at depths ranging from 7 to 12 feet bgs. The calculated groundwater flow direction in previous investigations was south-southeast.

SUBSURFACE INVESTIGATION

Farallon conducted a subsurface investigation at the Site on November 9 and 10, 2015. The scope of work for the subsurface investigation was based on the results from the groundwater monitoring event performed on May 22, 2015 and Farallon's review of previous investigations. The constituents of potential concern (COPCs) identified for the subsurface investigation included total petroleum hydrocarbons as gasoline-range organics (GRO) and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Farallon also identified 1,2-dibromethane (EDB), 1,2-dichloroethane (EDC), and methyl tertiary-butyl ether (MTBE) as analytes required by the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) in Section 900 of Chapter 173-340 of the Washington Administrative Code (WAC 173-340-900), Table 830-1 to be analyzed for all gasoline UST sites. A summary of the subsurface investigation field program is provided below.

FIELD SAMPLING PROGRAM

Borings FB-06 through FB-15 were advanced at the Site on November 9 and 10, 2015 to a maximum depth of 20 feet bgs to assess soil and/or groundwater quality. The borings were advanced in the area of the release of gasoline from the UST in the southeastern portion of the Site. The boring locations are shown on Figure 2. Prior to conducting the field work, Farallon prepared a Site-specific Health and Safety Plan as required by Part 1910 of Title 29 of the Code of Federal Regulations and by WAC 296-62, and conducted public and private utility locates to clear the boring locations of underground utilities.

Soil Sampling

Soil samples were collected continuously during the advancement of borings FB-06 through FB-15 by ESN Northwest of Olympia, Washington using a direct-push drill rig equipped with macrocore samplers. A Farallon Geologist observed subsurface conditions and retained soil samples from selected intervals for laboratory analysis based on field indications of potential contamination. Soil samples collected from borings FB-06 through FB-15 were collected and preserved in accordance with U.S. Environmental Protection Agency (EPA) Method 5035A. The soil samples were transferred directly into laboratory-prepared glass sample containers, placed on ice in a cooler, and delivered under standard chain-of-custody protocols to OnSite Environmental Inc. of Redmond, Washington. 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 boring logs are provided in Attachment A.

Reconnaissance Groundwater Sampling

Groundwater was purged using a peristaltic pump from a temporary 5-foot polyvinyl chloride screen interval in borings FB-06 through FB-15 until the groundwater was clear in appearance. Reconnaissance groundwater samples were collected and transferred directly into laboratory-prepared sample containers, placed on ice in a cooler, and delivered under standard chain-of-custody protocols to OnSite Environmental Inc.

Laboratory Analysis

Select soil and reconnaissance groundwater samples collected from borings FB-06 through FB-15 were analyzed for GRO by Northwest Method NWTPH-Gx, for BTEX by EPA Method 8021B or 8260C, for EDB by EPA Method 8260C or 8011, for EDC by EPA Method 8260C, and/or for MTBE by EPA Method 8260C.

INVESTIGATION-DERIVED WASTE

Soil cuttings, decontamination water, purge water, and other wastewater generated during the subsurface investigation are temporarily stored in labeled drums on the Site. The analytical results for the soil and reconnaissance groundwater samples will be used to develop a waste profile for disposal at a facility approved by Ecology.

RESULTS

Summaries of the laboratory analytical results for soil samples and reconnaissance groundwater samples collected from the Site are provided in Tables 1 and 2, respectively. The laboratory analytical reports for the soil and reconnaissance groundwater samples collected during the subsurface investigation conducted in November 2015 are provided in Attachment B.

SOIL

Field evidence, including petroleum odor and elevated photoionization detector readings, indicated the potential presence of COPCs in soil at depths ranging from approximately 10 to 12 feet bgs in borings FB-08, FB-09, and FB-14.

GRO was detected at a concentration of 31 milligrams per kilogram (mg/kg) in the soil sample collected from boring FB-07 at 11.5 feet bgs, which is less than the MTCA Method A cleanup level. GRO was reported non-detect at the laboratory practical quantitation limit (PQL) in the other soil samples analyzed from borings FB-06 through FB-15 (Table 1).

Xylenes were detected at a concentration of 0.13 mg/kg in the soil sample collected from boring FB-07 at 11.5 feet bgs, which is less than the MTCA Method A cleanup level. Xylenes were reported non-detect at the laboratory practical quantitation limit (PQL) in the other soil samples analyzed from borings FB-06 through FB-15 (Table 1).

Benzene, toluene, and ethylbenzene were reported non-detect at the laboratory PQL in all the soil samples analyzed from borings FB-06 through FB-15 (Table 1).

EDB, EDC, and MTBE were reported non-detect at the laboratory PQL in all the soil samples analyzed from borings FB-08, FB-09, and FB-14 (Table 1).

RECONNAISSANCE GROUNDWATER

Ethylbenzene and xylenes were detected at concentrations of 0.24 and 0.55 micrograms per liter (µg/l), respectively, in the reconnaissance groundwater sample collected from boring FB-08, which are less than MTCA Method A cleanup levels (Table 2). Ethylbenzene and xylenes were reported non-detect at the laboratory PQL in all the reconnaissance groundwater samples analyzed from borings FB-06, FB-07, and FB-09 through FB-15 (Table 2).

GRO, benzene, and toluene were reported non-detect at the laboratory PQL in all the reconnaissance groundwater samples analyzed from borings FB-06 through FB-15 (Table 2).

EDB, EDC, and MTBE were reported non-detect at the laboratory PQL in the reconnaissance groundwater samples analyzed from borings FB-08, FB-09, and FB-14 (Table 2).

CONCLUSIONS

According to the results of the subsurface investigation conducted at the Site, GRO and xylenes remain in Site soil and ethylbenzene and xylenes remain in Site groundwater at concentrations less than current MTCA Method A cleanup levels at a limited number of locations spread over a small area down-gradient of the historical release at the former UST. Detections on the Site were limited to GRO and xylenes in the soil sample collected from FB-07 at a depth of 11.5 feet bgs, and toluene and ethylbenzene in the groundwater sample collected from FB-08. Both locations are down-gradient of the former groundwater interception trench used for remediation in the mid-1990s.

Previous remediation of groundwater included pumping at the groundwater extraction trench, treatment to remove petroleum hydrocarbons using air stripping, and infiltration of treated water at the infiltration trench (Figure 2). Given that: 1) the detections of petroleum hydrocarbons occurred in borings directly down-gradient of the former fuel tanks and groundwater remediation system and 2) borings in the vicinity of the historical release at the former UST had no detections of petroleum hydrocarbons in either soil or groundwater, it is likely that these detections of petroleum hydrocarbons represent the residual impacted media on the Site following the interim remedial actions performed in the early 1990s. Based on the results of the subsurface investigation, it is Farallon's opinion that conditions at the Site are protective of human health and the environment and no additional remedial action is necessary to proceed with regulatory closure of the Site.

CLOSING

Farallon appreciates the opportunity to provide environmental consulting services for this project. Please contact either of the undersigned at (425) 295-0800 if you have questions or need additional information.

Sincerely,

Farallon Consulting, L.L.C.

Joe Rounds
Senior Project Manager

Clifford T. Schmitt, L.G., L.H.G.
Principal Geologist

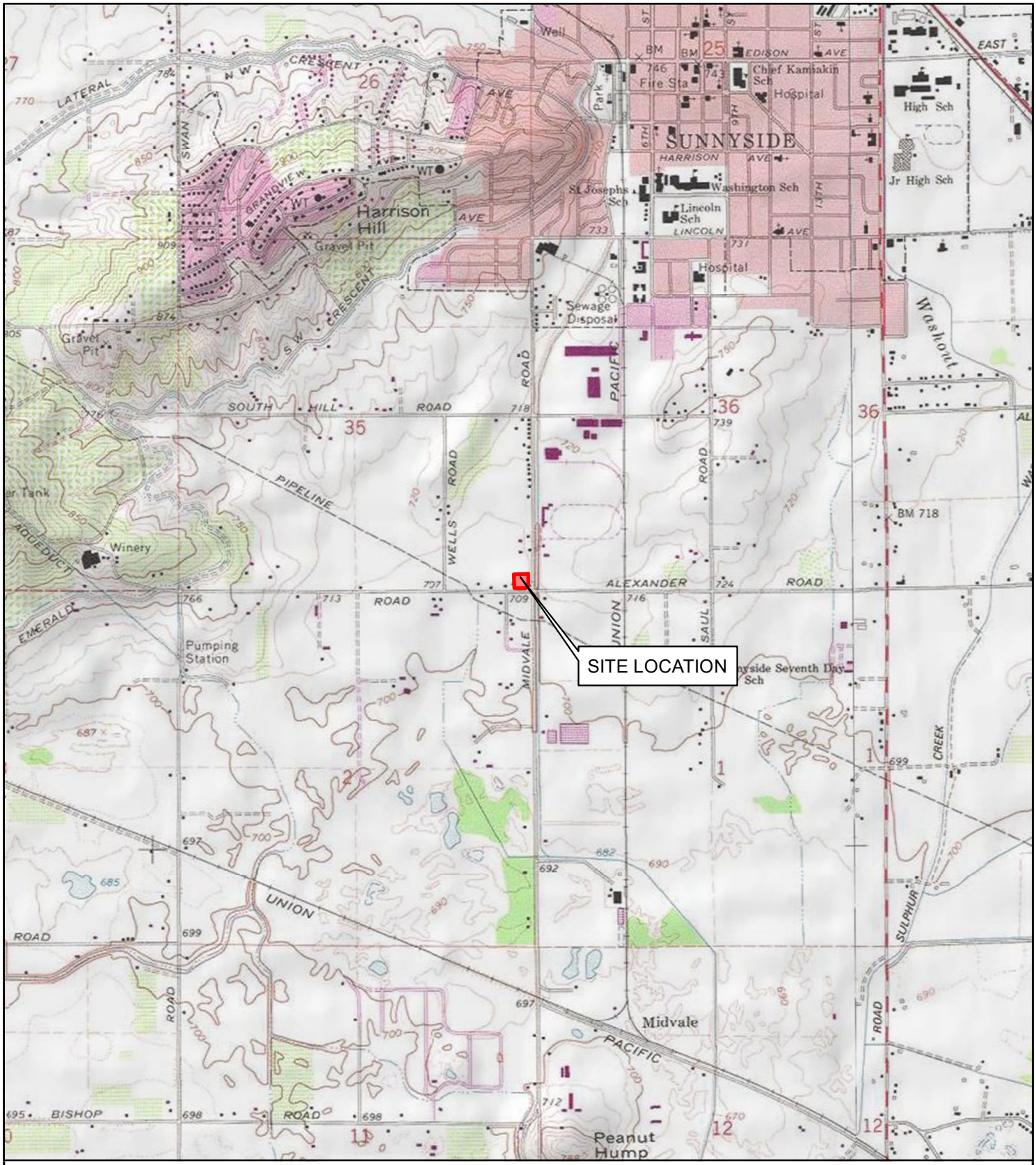
Attachments: Figure 1, *Site Location Map*
Figure 2, *Soil Boring Locations*
Table 1, *Soil Analytical Data for Petroleum Hydrocarbons*
Table 2, Reconnaissance *Groundwater Analytical data for Petroleum Hydrocarbons*
Attachment A, Boring Logs
Attachment B, Laboratory Analytical Reports

EB/JR:

FIGURES

SUBSURFACE INVESTIGATION
Kellogg's Korner
Sunnyside, Washington

Farallon PN: 1432-001



LEGEND

SITE LOCATION

N

0 1,500 3,000

SCALE IN FEET

SOURCE: 2013 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED

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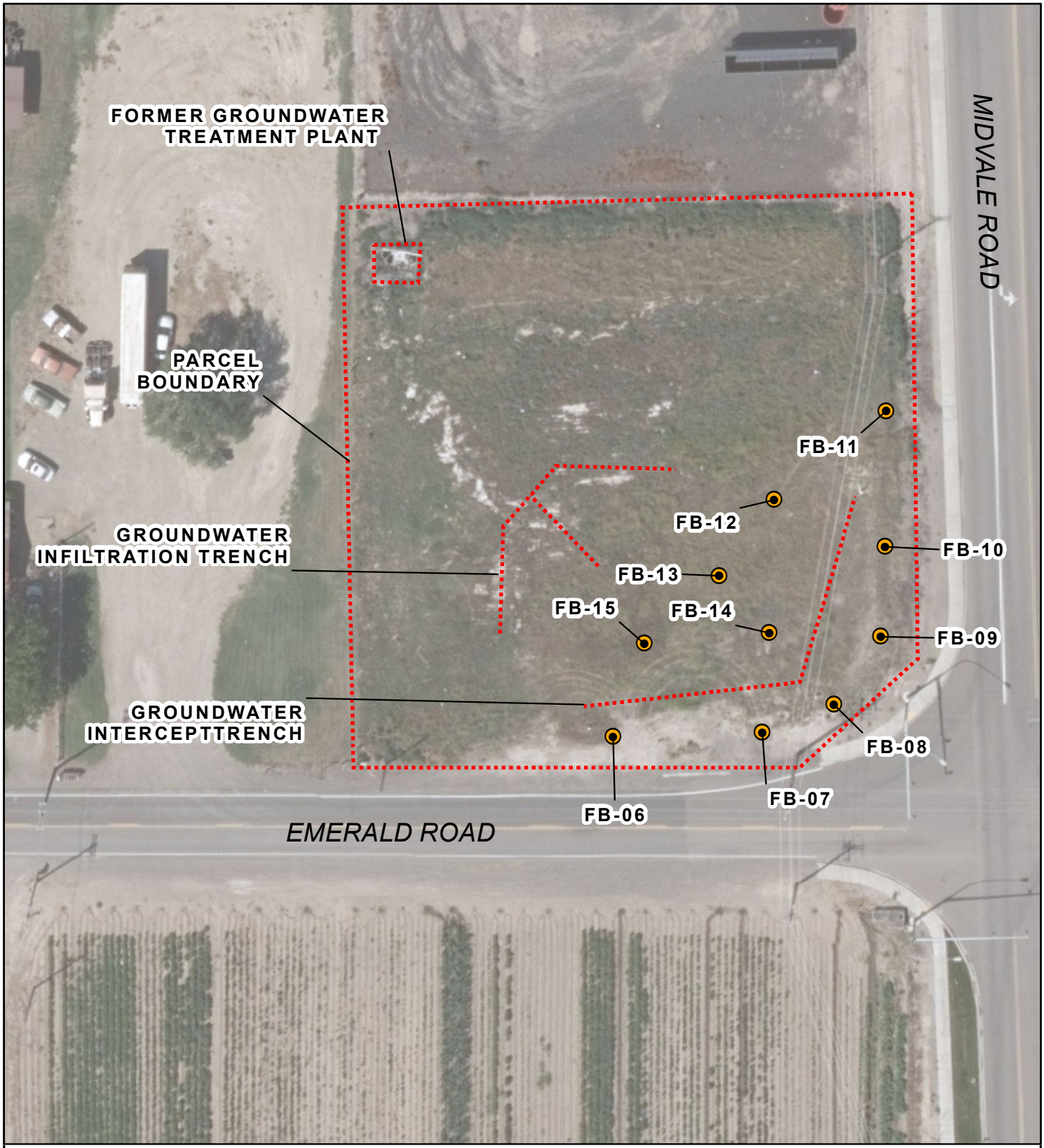
FIGURE 1

SITE LOCATION MAP
KELLOGG'S KORNER
EMERALD ROAD AND MIDVALE ROAD
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

Drawn By: ebuer | Checked By: JR | Date: 1/26/2016 | Disc Reference:

Document Path: G:\Projects\1432001 Kelloggs Korner\GIS\Mapfiles\Figure1.mxd



NOTE: LOCATIONS ARE APPROXIMATE

LEGEND

- SOIL BORING
- SITE FEATURE

N

0 25 50

SCALE IN FEET

SOURCE: OF DATA

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Washington
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Oregon
Portland | Bend | Baker City

California
Oakland | Sacramento | Irvine

FIGURE 2

SOIL BORING LOCATIONS
KELLOGG'S KORNER
EMERALD ROAD AND MIDVALE ROAD
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

Drawn By: ebuer | Checked By: JR | Date: 1/26/2016 | Disc Reference:

Document Path: G:\Projects\1432001 Kelloggs Korner\GIS\Mapfiles\Figure2.mxd

TABLES

SUBSURFACE INVESTIGATION
Kellogg's Korner
Sunnyside, Washington

Farallon PN: 1432-001

Table 1
Soil Analytical Data for Petroleum Hydrocarbons
Kellogg's Korner
Sunnyside, Washington
Farallon PN: 1432-001

Sample Location	Sample Identification	Sampled By	Sample Date	Sample Depth (feet)[1]	Analytical Results (milligrams per kilogram)							
					GRO[2]	Benzene[3]	Toluene[3]	Ethyl-benzene[3]	Xylenes[3]	EDB[4]	EDC[4]	MTBE[4]
FB-06	FB-6-11.0-110915	Farallon	11/09/15	**11**	<7.3	<0.020	<0.073	<0.073	<0.073	--	--	--
	FB-6-15.3-110915	Farallon	11/09/15	**15.3**	<6.5	<0.020	<0.065	<0.065	<0.065	--	--	--
FB-07	FB-7-11.5-110915	Farallon	11/09/15	**11.5**	31	<0.020	<0.071	<0.071	0.13	--	--	--
	FB-7-15.5-110915	Farallon	11/09/15	**15.5**	<6.9	<0.020	<0.069	<0.069	<0.069	--	--	--
FB-08	FB-8-10.3-110915	Farallon	11/09/15	**10.3**	<13	<0.0014	<0.0071	<0.0014	<0.0028	<0.0014	<0.0014	<0.0014
	FB-8-15.0-110915	Farallon	11/09/15	**15**	<6.3	<0.020	<0.063	<0.063	<0.063	--	--	--
FB-09	FB-9-10.3-110915	Farallon	11/09/15	**10.3**	<6.0	<0.00091	<0.0046	<0.00091	<0.0018	<0.00091	<0.00091	<0.00091
	FB-9-16.0-110915	Farallon	11/09/15	**16**	<6.5	<0.020	<0.065	<0.065	<0.065	--	--	--
FB-10	FB-10-10.1-110915	Farallon	11/09/15	**10.1**	<7.8	<0.020	<0.078	<0.078	<0.078	--	--	--
	FB-10-15.0-110915	Farallon	11/09/15	**15**	<6.1	<0.020	<0.061	<0.061	<0.061	--	--	--
FB-11	FB-11-10.0-111015	Farallon	11/10/15	**10**	<6.2	<0.020	<0.062	<0.062	<0.062	--	--	--
	FB-11-13.5-111015	Farallon	11/10/15	**13.5**	<6.4	<0.020	<0.064	<0.064	<0.064	--	--	--
FB-12	FB-12-10.0-111015	Farallon	11/10/15	**10**	<6.7	<0.020	<0.067	<0.067	<0.067	--	--	--
	FB-12-16.7-111015	Farallon	11/10/15	**16.7**	<6.1	<0.020	<0.061	<0.061	<0.061	--	--	--
FB-13	FB-13-10.0-111015	Farallon	11/10/15	**10**	<7.0	<0.020	<0.070	<0.070	<0.070	--	--	--
	FB-13-13.8-111015	Farallon	11/10/15	**13.8**	<6.8	<0.020	<0.068	<0.068	<0.068	--	--	--
FB-14	FB-14-12.0-111015	Farallon	11/10/15	**12**	<5.9	<0.00093	<0.0046	<0.059	<0.12	<0.059	<0.00093	<0.00093
	FB-14-17.7-111015	Farallon	11/10/15	**17.7**	<5.5	<0.020	<0.055	<0.055	<0.055	--	--	--
FB-15	FB-15-10.0-111015	Farallon	11/10/15	**10**	<7.3	<0.020	<0.073	<0.073	<0.073	--	--	--
	FB-15-16.0-111015	Farallon	11/10/15	**16**	<7.1	<0.020	<0.071	<0.071	<0.071	--	--	--
MTCA Method A Cleanup Levels for Soil[5]					**100**	**0.03**	**7**	**6**	**9**	**0.005**		**0.1**

NOTES:

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

-- denotes sample was not analyzed.

[1]Depth in feet below ground surface.

[2]Analyzed by Northwest Method NWTPH-Gx.

[3]Analyzed by U.S. Environmental Protection Agency Method 8021B or 8260C.

[4]Analyzed by U.S. Environmental Protection Agency Method 8260C.

[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 2013.

BTEX = benzene, toluene, ethylbenzene, and xylenes

EDB = 1,2-Dibromethane

EDC = 1,2-Dichloroethane

Farallon = Farallon Consulting, L.L.C.

GRO = total petroleum hydrocarbons as gasoline-range organics

MTBE = Methyl tertiary-butyl ether

Table 2
Reconnaissance Groundwater Analytical Data for Petroleum Hydrocarbons
Kellogg's Korner
Sunnyside, Washington
Farallon PN: 1432-001

Sample Location	Sample Identification	Sampled By	Sample Date	Analytical Results (micrograms per liter)							
				GRO[1]	Benzene[2]	Toluene[2]	Ethyl-benzene[2]	Xylenes[2]	EDB[3]	EDC[4]	MTBE[4]
FB-06	FB-6-GW-110915	Farallon	11/09/15	<100	<0.20	<1.0	<0.20	<0.40	<0.0096	<0.20	<0.20
FB-07	FB-7-GW-110915	Farallon	11/09/15	<100	<1.0	<1.0	<1.0	<1.0	--	--	--
FB-08	FB-8-GW-110915	Farallon	11/09/15	<100	<0.20	<1.0	0.24	0.55	<0.0097	<0.20	<0.20
FB-09	FB-9-GW-110915	Farallon	11/09/15	<100	<0.20	<1.0	<0.20	<0.40	<0.0096	<0.20	<0.20
FB-10	FB-10-GW-110915	Farallon	11/09/15	<100	<1.0	<1.0	<1.0	<1.0	--	--	--
FB-11	FB-11-GW-111015	Farallon	11/10/15	<100	<1.0	<1.0	<1.0	<1.0	--	--	--
FB-12	FB-12-GW-111015	Farallon	11/10/15	<100	<1.0	<1.0	<1.0	<1.0	--	--	--
FB-13	FB-13-GW-111015	Farallon	11/10/15	<100	<1.0	<1.0	<1.0	<1.0	--	--	--
FB-14	FB-14-GW-111015	Farallon	11/10/15	<100	<0.20	<1.0	<0.20	<0.40	<0.0096	<0.20	<0.20
FB-15	FB-15-GW-111015	Farallon	11/10/15	<100	<1.0	<1.0	<1.0	<1.0	--	--	--
MTCA Method A Cleanup Levels for Groundwater[5]				**1,000**	**5**	**1,000**	**700**	**1,000**	**0.01**	**5**	**20**

NOTES:

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

- denotes analysis was not performed.

[1]Analyzed by Northwest Method NWTPH-Gx.

[2]Analyzed by U.S. Environmental Protection Agency (EPA) Method 8021B or 8260C.

[3]Analyzed by EPA Method 8011.

[4]Analyzed by EPA Method 8260C.

[5]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 2013.

BTEX = benzene, toluene, ethylbenzene, and xylenes

EDB = 1,2-Dibromethane

EDC = 1,2-Dichloroethane

Farallon = Farallon Consulting, L.L.C.

GRO = total petroleum hydrocarbons as gasoline-range organics

MTBE = Methyl tertiary-butyl ether

ATTACHMENT A
BORING LOGS

SUBSURFACE INVESTIGATION
Kellogg's Korner
Sunnyside, Washington

Farallon PN: 1432-001

Log of Boring: FB-06

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 10:05	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 10:35	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	7.2
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**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 to 0.8: Poorly graded GRAVEL (50% gravel, 30% sand, 20% silt), fine to coarse gravel, fine to medium sand, brown, dry, no odor.	GP				0.9			
		0.8 to 3.2: Sandy SILT (90% silt, 10% sand), brown, moist, no odor.	ML		80		1.1	MW-6-2.5-110915	x	
		3.4 to 4: Sandy SILT (85% silt, 15% sand), fine to medium sand, gray, moist, no odor.	ML				1.0			
5		4 to 5: No Recovery.								
		5.0 to 5.5: Sandy SILT (85% silt, 15% sand), fine to medium sand, gray, moist, no odor.	ML							
		5.5 to 8.5: Sandy SILT (80% silt, 20% sand), fine to medium sand, brown, moist to wet at 7.2 feet, no odor.	ML		70		1.0	MW-6-7.2-110915	x	
		8.5 to 10: No Recovery.								
10		10 to 13.4: Silty SAND (75% sand, 25% silt), fine to medium sand, dark brown, wet, no odor.	SM		100		1.4	MW-6-11.0-110915		Bentonite Chip Seal
		13.4 to 15: Sandy SILT (90% silt, 10% silt), fine sand, light brown, wet, no odor.	ML				1.4			
15		15 to 20: Sandy SILT (90% silt, 10% sand), fine sand, light brown, wet, no odor. Sand lense at 15.3 bgs.	ML		100		1.9	MW-6-15.3-110915		
20							1.7			

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** -120.0207
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015		**Y:** 46.30214

Log of Boring: FB-07

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 11:27	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 12:05	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	11.4
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**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 to 2.8: Poorly graded GRAVEL with sand (50% gravel, 20% sand), fine to coarse gravel, fine to coarse sand, light brown, dry, no odor, cobbles throughout.	GP		56		1.2			
		2.8 to 5: No Recovery.								
5		5 to 6: Poorly graded GRAVEL with sand (50% gravel, 20% sand), fine to coarse gravel, fine to coarse sand, light brown, dry, no odor, cobbles throughout.	GP				2.0			
		6 to 8: Poorly graded GRAVEL (90% gravel, 10% sand), fine to medium sand, fine gravel, gray, dry, no odor, pea gravel backfill.	GP		60					
		8 to 10: No Recovery.								
10		10 to 11.4: Poorly graded GRAVEL (90% gravel, 10% sand), fine to medium sand, fine gravel, gray, dry, no odor, pea gravel backfill.	GP							Bentonite Chip Seal
		11.4 to 14.3: Silty SAND (80% sand, 20% silt), fine to medium sand, dark brown wet, hydrocarbon odor at 11.5 feet bgs.	SM		86		4.1	MW-7-11.5-110915	x	
							2.1			
		14.3 to 15: No Recovery.								
15		15 to 19.1: Silty SAND (80% sand, 20% silt), fine to medium sand, dark brown wet, hydrocarbon odor at 11.5 feet bgs.	SM		100		2.5	MW-7-15.5-110915	x	
		19.1 to 20: Sandy SILT (70% silt, 30% sand), fine sand, brown, wet, no odor.	ML				2.1	MW-7-19.2-110915		
20										

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015

Ground Surface Elevation (ft):	NA
Top of Casing Elevation (ft):	NA
Surveyed Location:	**X:** -120.0205 **Y:** 46.30215

Log of Boring: FB-08

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 12:46	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 13:20	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	12.6
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed
0	0 to 1.3: Poorly graded GRAVEL with silt and sand (50% gravel, 30% sand, 20% silt) fine to coarse gravel, fine to coarse sand, brown, no odor, dry, cobbles throughout.	GP-GM	40				
	1.3 to 2: Sandy SILT (85% silt, 15% sand), fine to medium sand, brown, moist, no odor.	ML					
	2 to 5: No Recovery.						
5	5 to 6.1: Poorly graded GRAVEL with silt and sand (50% gravel, 30% sand, 20% silt) fine to coarse gravel, fine to coarse sand, brown, no odor, dry, cobbles throughout.	GP-GM	22		2.5		
	6.1 to 10: No Recovery.						
10	10 to 12.9: Sandy SILT (65% silt, 35% sand), fine to medium sand, gray, moist, hydrocarbon odor, sheen from 12.6 to 12.9 feet bgs.	ML			17.9	MW-8-10.3-110915	x
	12.9 to 15: No Recovery.		58		4.0	MW-8-12.6-110915	x
15	15 to 20: Sandy SILT (65% silt, 35% sand), fine to medium sand, gray, moist, hydrocarbon odor from 15 to 15.7 feet bgs.	ML			3.1	MW-8-15.0-110915	
			100				
20					2.1	MW-8-20.0-110915	

Boring/Well Construction Details: Bentonite Chip Seal

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** -120.0204
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015		**Y:** 46.30217

Log of Boring: FB-09

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 13:54	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 14:25	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	12.2
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0 to 0.3: Gravelly SILT with sand (40% silt, 40% gravel, 20% sand), fine to coarse gravel, fine to medium sand, light brown, dry, no odor.	ML					
	0.3 to 2.1: Sandy SILT (75% silt, 25% sand), fine to medium sand, brown, moist, no odor.	ML	42	2.3			
	2.1 to 5: No Recovery.						
5	5 to 6.5: Gravelly SILT with sand (40% silt, 40% gravel, 20% sand), fine to coarse gravel, fine to medium sand, light brown, dry, no odor.	ML					
	6.5 to 10: No Recovery.		30				
10	10 to 11.6: Silty SAND (65% sand, 35% silt), fine to medium sand, wet, gray, staining and hydrocarbon odor 10.0 to 10.4 feet bgs.	SM		10.3	MW-9-10.3-110915	x	Bentonite Chip Seal
	11.6 to 12.2: Sandy SILT (90% silt, 10% sand), fine sand, moist, brown, no odor.	ML		11.8			
	12.2 to 12.7: Silty Sand (80% sand, 20% silt) fine to medium sand, wet, dark brown, no odor.	SM	54	12.3	MW-9-12.3-110915		
	12.7 to 15: No Recovery						
15	15 to 20: Sandy SILT (85% silt, 15% sand), fine to medium sand, brown, wet, no odor, sand lenses 15.9 to 16.2 feet bgs and 17.4 to 17.7 feet bgs.	ML		16	MW-9-16-110915	x	
			100	17.5			
20							

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** -120.0203 **Y:** 46.30224

Log of Boring: FB-10

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 15:04	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 15:40	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	12
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**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 to 0.9: Poorly graded SAND with silt and gravel (40% sand, 30% gravel, 30% silt), fine to coarse sand, fine to coarse gravel, light brown, dry, no odor, dark staining at 0.9 feet bgs.	SP-SM				1.8	MW-10-0.9-110915		
		0.9 to 3.8: Sandy SILT (95% silt, 5% sand) fine sand, brown, dry to moist at 3 feet bgs.	ML		76					
		3.8 to 5: No Recovery.								
5		5 to 5.8: SILT (100% silt) brown, wet, no odor.	ML				1.7	MW-10-5.0-110915		
		5.8 to 8.3: SILT (100% silt) gray, moist, no odor.	ML		66		2.1			
		8.3 to 10: No Recovery.								
10		10 to 14: Sandy SILT (85% silt, 15% sand), fine sand, brown, wet, no odor.	ML				1.8	MW-10-10.1-110915	x	Bentonite Chip Seal
					80		2.0	MW-10-12.0-110915		
		14 to 15: No Recovery.					1.2			
15		15 to 20: Sandy SILT (90% silt, 10% sand), fine sand, brown, wet, no odor.	ML				1.7	MW-10-15.0-110915	x	
					100		1.6			
20										

Well Construction Information

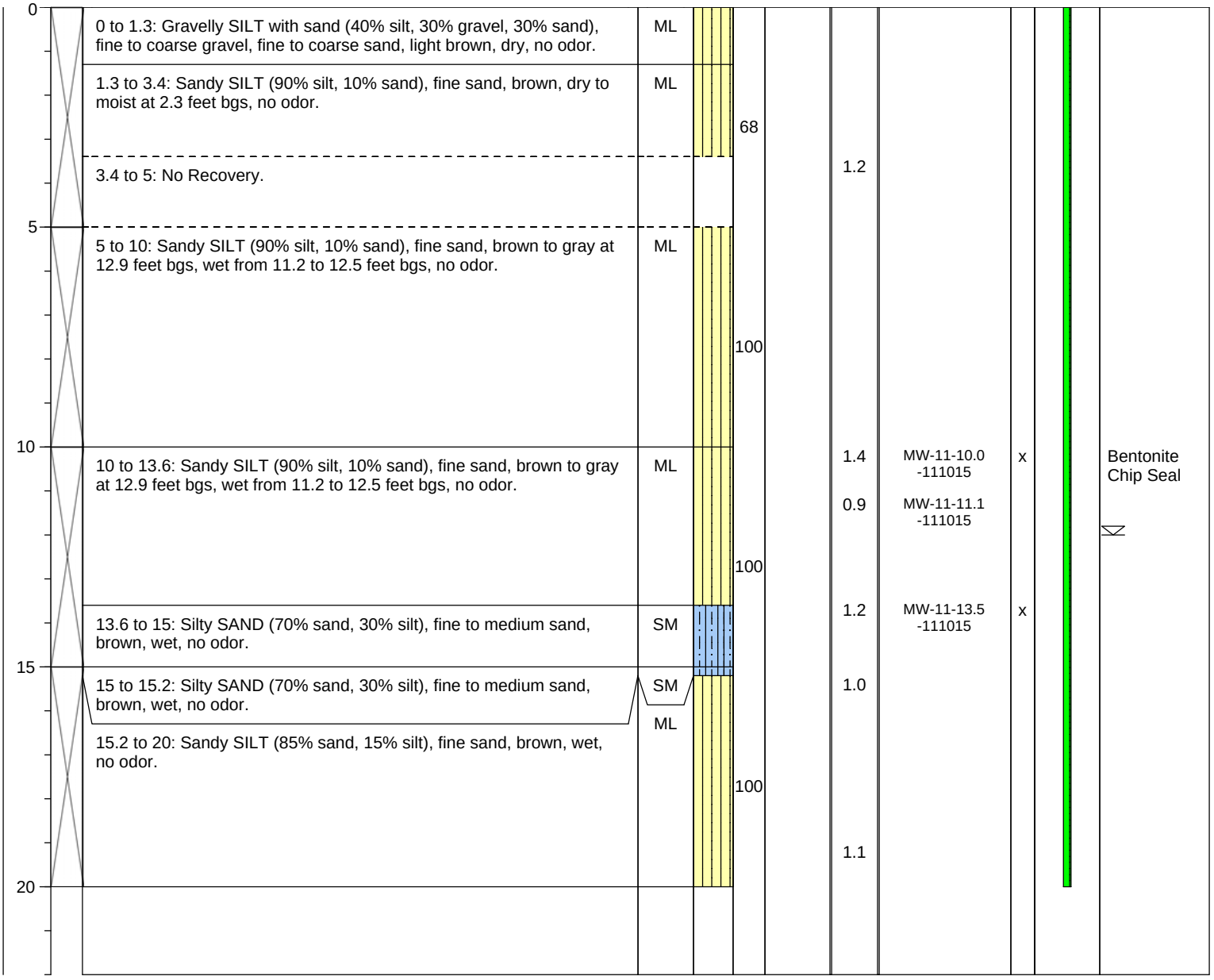
Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** -120.0203
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015		**Y:** 46.30233

Log of Boring: FB-11

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 07:50	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 08:20	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	12
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed
0	0 to 1.3: Gravelly SILT with sand (40% silt, 30% gravel, 30% sand), fine to coarse gravel, fine to coarse sand, light brown, dry, no odor.	ML	68	1.2		
	1.3 to 3.4: Sandy SILT (90% silt, 10% sand), fine sand, brown, dry to moist at 2.3 feet bgs, no odor.	ML				
	3.4 to 5: No Recovery.					
5	5 to 10: Sandy SILT (90% silt, 10% sand), fine sand, brown to gray at 12.9 feet bgs, wet from 11.2 to 12.5 feet bgs, no odor.	ML	100	1.4	MW-11-10.0 -111015	x
				0.9	MW-11-11.1 -111015	
10	10 to 13.6: Sandy SILT (90% silt, 10% sand), fine sand, brown to gray at 12.9 feet bgs, wet from 11.2 to 12.5 feet bgs, no odor.	ML	100	1.2	MW-11-13.5 -111015	x
	13.6 to 15: Silty SAND (70% sand, 30% silt), fine to medium sand, brown, wet, no odor.	SM				
15	15 to 15.2: Silty SAND (70% sand, 30% silt), fine to medium sand, brown, wet, no odor.	SM	100	1.0		
	15.2 to 20: Sandy SILT (85% sand, 15% silt), fine sand, brown, wet, no odor.	ML		1.1		
20						



Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** -120.0203
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015		**Y:** 46.30247

Log of Boring: FB-12

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 09:00	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 09:35	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	7
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0 to 3.3: Sandy SILT (90% silt, 10% sand), fine sand, brown, dry, no odor.	ML	66	0.9			
	3.3 to 5: No Recovery.						
5	5 to 6: Fill GRAVEL (100% gravel), gray, dry, no odor.	GP					
	6 to 6.9: Sandy SILT (90% silt, 10% sand), fine sand, gray, moist, no odor.	ML		1.2			
	6.9 to 7.9: Sandy SILT (80% silt, 20% sand), fine to medium sand, brown, wet, no odor.	ML	58	1.7			
	7.9 to 10: No Recovery.						
10	10 to 11.2: Silty SAND (80% sand, 20% silt), fine to medium sand, brown, wet.	SM		0.9	MW-12-10.0 -111015	x	Bentonite Chip Seal
	11.2 to 12.7: Sandy SILT (85% silt, 15% sand), fine sand, brown, wet, no odor.	ML		1.2			
	12.7 to 13.8: Silty SAND (90% sand, 10% silt), fine to medium sand, dark gray, wet, no odor.	SM	76	1.4	MW-12-12.7 -111015		
	13.8 to 15: No Recovery.						
15	15 to 16.7: Sandy SILT (80% silt, 20% sand), fine sand, brown, wet, no odor.	ML		1.2			
	16.7 to 17.6: Silty SAND (70% sand, 30% silt), fine to medium sand, brown, wet, no odor.	SM		1.3	MW-12-16.7 -111015	x	
	17.6 to 20: Sandy SILT (85% silt, 15% sand), fine sand, wet, brown, no odor, sand lense from 18.3 to 18.6.	ML	100	1.4			
20							

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** -120.0205
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015		**Y:** 46.30238

Log of Boring: FB-13

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 10:36	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 11:10	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	9
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**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 to 2.8: Sandy SILT (90% silt, 10% sand), fine sand, brown, dry to moist at 1.5 feet bgs, no odor, cobbles throughout.	ML		56		1.7			
		2.8 to 5: No Recovery.								
5		5 to 7.8: Sandy SILT (90% silt, 10% sand), fine sand, brown, dry to moist at 1.5 feet bgs, no odor, cobbles throughout.	ML		86					
		7.8 to 9.3: Silty SAND (70% sand, 30% silt), fine to medium sand, brown, wet, no odor.	SM				2.0	MW-13-7.8 -111015		
		9.3 to 10: No Recovery.								
10		10 to 12.3: Silty SAND (70% sand, 30% silt), fine to medium sand, brown, wet, no odor.	SM				2.0	MW-13-10.0 -111015	x	Bentonite Chip Seal
		12.3 to 13.8: Sandy SILT (85% silt, 15% sand), fine sand, brown, wet, no odor.	ML		100					
		13.8 to 15: Silty SAND (80% sand, 20% silt), fine to medium sand, dark gray, wet, no odor.	SM				1.6	MW-13-13.8 -111015	x	
15		15 to 17.2: Sandy SILT (70% silt, 30% sand), fine to medium sand, brown, wet, no odor, sand lense at 16 to 16.2 feet bgs.	ML				1.2 1.1			
		17.2 to 18.7: Sandy SILT (90% silt, 10% sand), fine sand, brown, wet, no odor.	ML		100					
		18.7 to 20: Silty SAND (85% sand, 15% silt), fine to medium sand, dark gray, wet, no odor.	SM				1.1			
20										

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA	**Surveyed Location:**	**X:** -120.0206
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015		**Y:** 46.30231

Log of Boring: FB-14

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 11:54	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 12:30	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	9
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed
0	0 to 2.5: Gravelly SILT with sand (50% silt, 30% gravel, 20% sand) coarse gravel, cobbles throughout, fine to medium sand, light brown, dry, no odor.	ML	50	1.3		
	2.5 to 5: No Recovery.			1.5		
5	5 to 6.4: Pea GRAVEL fill (100% gravel), fine gravel, dry to moist at 5.7 feet bgs, gray, no odor.	GP				
	6.4 to 10: No Recovery.		28			
10	10 to 12: Pea GRAVEL fill (100% gravel), fine gravel, gray, wet, hydrocarbon odor	GP				
	12 to 12.8: Silty SAND (80% sand, 20% silt), fine to medium sand, gray, wet, staining visible, hydrocarbon odor, silt lense at 12.5 to 12.6 feet bgs.	SM	56	53.6	MW-14-12.0 -111015	x
	12.8 to 15: No Recovery.					
15	15 to 15.7: Silty SAND (90% sand, 10% silt), fine to coarse sand, dark brown, wet, no odor.	SM		1.7	MW-14-15.0 -111015	
	15.7 to 17.7: Sandy SILT (90% silt, 10% sand), fine to medium sand, brown, wet, no odor.	ML		1.4		
	17.7 to 20: Silty SAND (80% sand, 20% silt), fine to medium sand, dark brown, wet, no odor.	SM	100	1.2	MW-14-17.7 -111015	x
20						

Boring/Well Construction Details: Bentonite Chip Seal

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015
Ground Surface Elevation (ft):	NA		
Top of Casing Elevation (ft):	NA		
Surveyed Location:	**X:** -120.0205	**Y:** 46.30225	

Log of Boring: FB-15

Client: Davis Wright Tremaine LLP
Project: Kellogg's Corner, Alexander Road &
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: J. Kerr

Date/Time Started:	11/09/2015 13:08	**Sampler Type:**	2-inch x 60-inch macrocore
Date/Time Completed:	11/09/2015 13:30	**Drive Hammer (lbs.):**	NA
Equipment:	GeoProbe	**Depth of Water ATD (ft bgs):**	7
Drilling Company:	ESN Inc.	**Total Boring Depth (ft bgs):**	20
Drilling Foreman:	Don	**Total Well Depth (ft bgs):**	NA
Drilling Method:	Direct Push		

Depth (feet bgs.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed
0	0 to 1.3: Gravelly SILT (60% silt, 30% gravel, 10% sand), coarse gravel, fine sand, light brown, dry, no odor, cobbles throughout.	ML				
	1.3 to 1.6: Pea GRAVEL fill (100% gravel), fine gravel, gray, dry, no odor.	GP		1.7		
	1.6 to 2.4: Sandy SILT (90% silt, 10% sand), fine sand, brown, moist to wet at 1.8 feet bgs, no odor.	ML	62			
	2.4 to 3.1: Sandy SILT (85% silt, 15% sand), fine to medium sand, gray, moist, no odor.	ML				
5	3.1 to 5: No Recovery.	ML		1.9	MW-15-5.7 -111015	
	5 to 6.8: Sandy SILT (85% silt, 15% sand), fine to medium sand, gray, moist, no odor.	ML		1.6		
	6.8 to 8.5: Sandy SILT (60% silt, 40% sand), fine to medium sand, brown, wet, no odor.		70			
	8.5 to 10: No Recovery.					
10	10 to 15: Silty SAND (70% sand, 30% silt), fine to medium sand, dark brown, wet, no odor, silt lenses at 12.2, 13.3, and 14.5 feet bgs.	SM	100	1.5		
				1.7	MW-14-12.1 -111015	x
15	15 to 15.5: Silty SAND (70% sand, 30% silt), fine to medium sand, dark brown, wet, no odor.	ML				
	15.5 to 16: Sandy SILT (90% silt, 10% sand), fine sand, brown, wet, no odor.	SM		1.8	MW-14-16.0 -111015	x
	16 to 20: Silty SAND (85% sand, 15% silt), fine to medium sand, dark brown, wet, no odor.		100			
20				0.9		

Boring/Well Construction Details: Bentonite Chip Seal

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA
Casing Diameter (inches):	NA	**Surface Seal:**	NA
Screen Slot Size (inches):	NA	**Annular Seal:**	NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Bentonite Chip to Surface 11/09/2015

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: **X:** -120.0207 **Y:** 46.30224

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

SUBSURFACE INVESTIGATION
Kellogg's Korner
Sunnyside, Washington

Farallon PN: 1432-001

OnSite Environmental Inc.

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

November 19, 2015

Joe Rounds
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1432-001
Laboratory Reference No. 1511-086

Dear Joe:

Enclosed are the analytical results and associated quality control data for samples submitted on November 11, 2015.

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: November 19, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-086
Project: 1432-001

Case Narrative

Samples were collected on November 9, 2015 and received by the laboratory on November 11, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

NWTPH Gx/BTEX Analysis

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

Volatiles EPA 8260C 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.

The MTCA Method A cleanup level for EDB for sample FB-14-12.0-111015 is non-achievable due to the necessary dilution of the sample.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: November 19, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-086
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-6-11.0-110915**					
Laboratory ID:	11-086-03					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.073	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.073	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.073	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.073	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	7.3	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*68-129*				
Client ID:	**FB-6-15.3-110915**					
Laboratory ID:	11-086-04					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.065	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.065	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.065	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.065	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.5	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*112*	*68-129*				
Client ID:	**FB-7-11.5-110915**					
Laboratory ID:	11-086-05					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.071	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.071	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**0.13**	0.071	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.071	EPA 8021B	11-13-15	11-13-15	
Gasoline	**31**	7.1	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*68-129*				

Date of Report: November 19, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-086
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-7-15.5-110915**					
Laboratory ID:	11-086-06					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.069	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.069	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.069	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.069	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.9	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*68-129*				
Client ID:	**FB-8-10.3-110915**					
Laboratory ID:	11-086-08					
Gasoline	**ND**	13	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*68-129*				
Client ID:	**FB-8-15.0-110915**					
Laboratory ID:	11-086-10					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.063	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.063	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.063	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.063	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.3	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*114*	*68-129*				
Client ID:	**FB-9-10.3-110915**					
Laboratory ID:	11-086-12					
Gasoline	**ND**	6.0	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-129*				

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NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-9-16.0-110915**					
Laboratory ID:	11-086-14					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.065	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.065	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.065	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.065	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.5	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*68-129*				
Client ID:	**FB-10-10.1-110915**					
Laboratory ID:	11-086-17					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.078	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.078	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.078	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.078	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	7.8	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*68-129*				
Client ID:	**FB-10-15.0-110915**					
Laboratory ID:	11-086-19					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.061	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.061	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.061	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.061	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.1	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*68-129*				

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Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-11-10.0-111015**					
Laboratory ID:	11-086-20					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.062	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.062	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.062	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.062	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.2	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-129*				
Client ID:	**FB-11-13.5-111015**					
Laboratory ID:	11-086-22					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.064	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.064	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.064	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.064	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.4	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*68-129*				
Client ID:	**FB-12-10.0-111015**					
Laboratory ID:	11-086-23					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.067	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.067	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.067	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.067	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.7	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-129*				

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NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-12-16.7-111015**					
Laboratory ID:	11-086-25					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.061	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.061	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.061	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.061	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.1	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*68-129*				
Client ID:	**FB-13-13.8-111015**					
Laboratory ID:	11-086-26					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.068	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.068	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.068	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.068	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	6.8	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*68-129*				
Client ID:	**FB-13-10.0-111015**					
Laboratory ID:	11-086-28					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.070	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.070	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.070	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.070	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	7.0	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*68-129*				
Client ID:	**FB-14-12.0-111015**					
Laboratory ID:	11-086-29					
Gasoline	**ND**	5.9	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*68-129*				

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NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-14-17.7-111015**					
Laboratory ID:	11-086-31					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.055	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.055	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.055	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.055	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	5.5	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-129*				
Client ID:	**FB-15-16.0-111015**					
Laboratory ID:	11-086-34					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.071	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.071	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.071	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.071	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	7.1	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*68-129*				
Client ID:	**FB-15-10.0-111015**					
Laboratory ID:	11-086-35					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.073	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.073	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.073	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.073	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	7.3	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-129*				

Date of Report: November 19, 2015
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Project: 1432-001

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1113S3					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-13-15	
Toluene	**ND**	0.050	EPA 8021B	11-13-15	11-13-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	11-13-15	11-13-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	11-13-15	11-13-15	
o-Xylene	**ND**	0.050	EPA 8021B	11-13-15	11-13-15	
Gasoline	**ND**	5.0	NWTPH-Gx	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*68-129*				
Laboratory ID:	MB1113S4					
Benzene	**ND**	0.020	EPA 8021B	11-13-15	11-16-15	
Toluene	**ND**	0.050	EPA 8021B	11-13-15	11-16-15	
Ethyl Benzene	**ND**	0.050	EPA 8021B	11-13-15	11-16-15	
m,p-Xylene	**ND**	0.050	EPA 8021B	11-13-15	11-16-15	
o-Xylene	**ND**	0.050	EPA 8021B	11-13-15	11-16-15	
Gasoline	**ND**	5.0	NWTPH-Gx	11-13-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*68-129*				

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NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-086-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*96*	*68-129*			
Laboratory ID:	11-086-04										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*112*	*114*	*68-129*			
SPIKE BLANKS											
Laboratory ID:	SB1113S2										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**1.09**	**1.08**	1.00	1.00		**109**	**108**	76-124	1	17	
Toluene	**1.06**	**1.05**	1.00	1.00		**106**	**105**	78-124	1	16	
Ethyl Benzene	**1.03**	**1.03**	1.00	1.00		**103**	**103**	77-123	0	17	
m,p-Xylene	**1.03**	**1.03**	1.00	1.00		**103**	**103**	78-124	0	17	
o-Xylene	**1.02**	**1.03**	1.00	1.00		**102**	**103**	76-123	1	18	
Surrogate:											
Fluorobenzene						*92*	*93*	*68-129*			

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VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-8-10.3-110915**					
Laboratory ID:	11-086-08					
Methyl t-Butyl Ether	ND	0.0014	EPA 8260C	11-13-15	11-13-15	
Benzene	ND	0.0014	EPA 8260C	11-13-15	11-13-15	
1,2-Dichloroethane	ND	0.0014	EPA 8260C	11-13-15	11-13-15	
Toluene	ND	0.0071	EPA 8260C	11-13-15	11-13-15	
1,2-Dibromoethane	ND	0.0014	EPA 8260C	11-13-15	11-13-15	
Ethylbenzene	ND	0.0014	EPA 8260C	11-13-15	11-13-15	
m,p-Xylene	ND	0.0028	EPA 8260C	11-13-15	11-13-15	
o-Xylene	ND	0.0014	EPA 8260C	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*76-131*				
Toluene-d8	*103*	*80-126*				
4-Bromofluorobenzene	*113*	*60-146*				

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VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-9-10.3-110915**					
Laboratory ID:	11-086-12					
Methyl t-Butyl Ether	ND	0.00091	EPA 8260C	11-13-15	11-13-15	
Benzene	ND	0.00091	EPA 8260C	11-13-15	11-13-15	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	11-13-15	11-13-15	
Toluene	ND	0.0046	EPA 8260C	11-13-15	11-13-15	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	11-13-15	11-13-15	
Ethylbenzene	ND	0.00091	EPA 8260C	11-13-15	11-13-15	
m,p-Xylene	ND	0.0018	EPA 8260C	11-13-15	11-13-15	
o-Xylene	ND	0.00091	EPA 8260C	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*76-131*				
Toluene-d8	*104*	*80-126*				
4-Bromofluorobenzene	*114*	*60-146*				

Date of Report: November 19, 2015
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Project: 1432-001

VOLATILES EPA 8260C

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-14-12.0-111015**					
Laboratory ID:	11-086-29					
Methyl t-Butyl Ether	ND	0.00093	EPA 8260C	11-13-15	11-13-15	
Benzene	ND	0.00093	EPA 8260C	11-13-15	11-13-15	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	11-13-15	11-13-15	
Toluene	ND	0.0046	EPA 8260C	11-13-15	11-13-15	
1,2-Dibromoethane	ND	0.059	EPA 8260C	11-13-15	11-13-15	
Ethylbenzene	ND	0.059	EPA 8260C	11-13-15	11-13-15	
m,p-Xylene	ND	0.12	EPA 8260C	11-13-15	11-13-15	
o-Xylene	ND	0.059	EPA 8260C	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*76-131*				
Toluene-d8	*98*	*80-126*				
4-Bromofluorobenzene	*111*	*60-146*				

Date of Report: November 19, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-086
Project: 1432-001

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1113S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	11-13-15	11-13-15	
Benzene	ND	0.0010	EPA 8260C	11-13-15	11-13-15	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	11-13-15	11-13-15	
Toluene	ND	0.0050	EPA 8260C	11-13-15	11-13-15	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	11-13-15	11-13-15	
Ethylbenzene	ND	0.0010	EPA 8260C	11-13-15	11-13-15	
m,p-Xylene	ND	0.0020	EPA 8260C	11-13-15	11-13-15	
o-Xylene	ND	0.0010	EPA 8260C	11-13-15	11-13-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*76-131*				
Toluene-d8	*109*	*80-126*				
4-Bromofluorobenzene	*128*	*60-146*				

Date of Report: November 19, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-086
Project: 1432-001

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:	SB1113S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0554**	**0.0551**	0.0500	0.0500	111	110	68-126	1	15	
Benzene	**0.0555**	**0.0560**	0.0500	0.0500	111	112	75-121	1	15	
Trichloroethene	**0.0436**	**0.0438**	0.0500	0.0500	87	88	83-116	0	15	
Toluene	**0.0537**	**0.0546**	0.0500	0.0500	107	109	80-115	2	15	
Chlorobenzene	**0.0481**	**0.0486**	0.0500	0.0500	96	97	76-120	1	15	
Surrogate:										
Dibromofluoromethane					*95*	*95*	*76-131*			
Toluene-d8					*96*	*98*	*80-126*			
4-Bromofluorobenzene					*116*	*115*	*60-146*			

Date of Report: November 19, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-086
Project: 1432-001

% MOISTURE

Date Analyzed: 11-12&13-15

Client ID	Lab ID	% Moisture
FB-6-11.0-110915	11-086-03	24
FB-6-15.3-110915	11-086-04	25
FB-7-11.5-110915	11-086-05	27
FB-7-15.5-110915	11-086-06	27
FB-8-10.3-110915	11-086-08	19
FB-8-15.0-110915	11-086-10	25
FB-9-10.3-110915	11-086-12	20
FB-9-16.0-110915	11-086-14	24
FB-10-10.1-110915	11-086-17	24
FB-10-15.0-110915	11-086-19	24
FB-11-10.0-111015	11-086-20	20
FB-11-13.5-111015	11-086-22	24
FB-12-10.0-111015	11-086-23	25
FB-12-16.7-111015	11-086-25	24
FB-13-13.8-111015	11-086-26	24
FB-13-10.0-111015	11-086-28	28
FB-14-12.0-111015	11-086-29	20
FB-14-17.7-111015	11-086-31	18
FB-15-16.0-111015	11-086-34	26
FB-15-10.0-111015	11-086-35	26

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 4

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: 1432-001
Project Name: Kellog's Korner
Project Manager: Joe Rounds
Sampled by: Jared Kerr

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: 11-086

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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	EDB, EDC by 8260C MTBE BTEX EDB	EDB SOIL NO			% Moisture
1	~~MW~~ FB-6-2.5-110915	11/09/15	1028	Soil	5		X	NO													X	X				
2	~~MW~~ FB-6-7.2-110915		1040					NO																		
3	~~MW~~ FB-6-11.0-110915		1105				⊗																			⊗
4	~~MW~~ FB-6-15.3-110915		1116				⊗																			⊗
5	~~MW~~ FB-7-11.5-110915		1203				⊗																			⊗
6	~~MW~~ FB-7-15.5-110915		1215				⊗																			⊗
7	~~MW~~ FB-7-19.2-110915		1220					ND																		
8	~~MW~~ FB-8-10.3-110915		1313				⊗		NO BTEX													⊗	⊗			⊗
9	~~MW~~ FB-8-12.6-110915		1321					ND															NO			
10	~~MW~~ FB-8-15.0-110915		1328				⊗																			⊗

	Signature	Company	Date	Time
Relinquished		Farallon	11/11/15	0600
Received		Speedy Msngr	11-11-15	0846
Relinquished		" "	" "	0934
Received		OnSite ES	11/11/15	934
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Please change the "MW" to "FB" on the analytical report. Samples should read as they do from FB-13 through FB-15.

* Not all samples will be analyzed. PM will confirm which samples to run.

Chromatograms with final report ☒ ⊗ Added 11/12/15. DB CSTA

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☒ _____

Chain of Custody

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

Laboratory Number: 11-086

Company:	Farallon
Project Number:	1432-001
Project Name:	Kellog's Korner
Project Manager:	Joe Rounds
Sampled by:	Jared Kerr

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

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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	EDB, EDC, MTBE, BTEX 8260C	EDB SOIL NO DB				% Moisture
11	~~MW~~ FB-8-20.0-110915 c	11/09/15	1335	soil	5		X	NO														X	NO				
12	~~MW~~ FB-9-10.3-110915		1436				⊗	- NO BTEX														⊗	⊗				X
13	~~MW~~ FB-9-12.3-110915		1442					NO															NO				
14	~~MW~~ FB-9-16.0-110915		1447				⊗																NO				X
15	~~MW~~ FB-10-0.9-110915		1550					NO															NO				
16	~~MW~~ FB-10-5.0-110915		1557					NO															NO				
17	~~MW~~ FB-10-10.1-110915		1603				⊗																NO				X
18	~~MW~~ FB-10-12.0-110915		1609					NO															NO				
19	~~MW~~ FB-10-15.0-110915		1618				⊗																NO				X
20	~~MW~~ FB-11-10.0-111015	11/10/15	0835				⊗																NO				X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	11/11/15	0600	
Received		Speedy Msngr	11-11-15	0846	
Relinquished		" "	" "	0934	see 1 of 4
Received			11/11/15	934	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

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

Chain of Custody

Page 3 of 4

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: 1432-001
Project Name: Kellog's Korner
Project Manager: Joe Rounds
Sampled by: Jared Kerr

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: 11-086

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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	EDB, EDC, MTBE BTEX 8260C	EDB 8011			% Moisture
21	FB MW-11-11.1-111015	11/10/15	0842	soil	5		X	NO														X				
22	FB MW-11-13.5-111015		0846				⊗																			⊗
23	FB MW-12-10.0-111015		0943				⊗																			⊗
24	FB MW-12-12.7-111015		0951				NO	NO																		
25	FB MW-12-16.7-111015		0957				⊗																			⊗
26	FB-13-13.8-111015		1133				⊗																			⊗
27	FB-13-7.8-111015		1123				NO	NO																		
28	FB-13-10.0-111015		1128				⊗																			⊗
29	FB-14-12.0-111015		1225				⊗	NO BTEX														⊗	⊗	NO		⊗
30	FB-14-15.0-111015		1235				NO	NO														⊗	⊗	NO	AB	⊗

	Signature	Company	Date	Time
Relinquished		Farallon	11/14/15	0600
Received		Speedy Msngr	11-11-15	0846
Relinquished		" "	" "	0934
Received			11/11/15	9:34
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions: see 1 of 4

Chromatograms with final report ☐

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

Chain of Custody

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

Laboratory Number: 11-086

Company:	Farallon
Project Number:	1432-001
Project Name:	Kellog's Korner
Project Manager:	Joe Rounds
Sampled by:	Jared Kerr

Turnaround Request (in working days)

(Check One)

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

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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	EDB, EDC, MTBE 8260C					% Moisture
31	FB-14-17.7-111015	11/10/15	1239	soil	5		X															X	NO				X
32	FB-15-5.7-111015	11/10/15	~~1359~~ 1353 DD					NO															NO				
33	FB-15-12.1-111015		1404					NO															NO				
34	FB-15-16.0-111015		1417				X																NO				X
35	FB-15-10.0-111015	11/10/15	1559	SOIL	5		X																				X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	11/11/15	0600	See 1 of 4
Received		Spectrum Mngr	11-11-15	0846	
Relinquished		"	11-11-15	0934	
Received			11/11/15	934	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

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

OnSite Environmental Inc.

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

November 23, 2015

Joe Rounds
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1432-001
Laboratory Reference No. 1511-085

Dear Joe:

Enclosed are the analytical results and associated quality control data for samples submitted on November 11, 2015.

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: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

Case Narrative

Samples were collected on November 9 and 10, 2015 and received by the laboratory on November 11, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

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

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-6-GW-110915**					
Laboratory ID:	11-085-01					
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*71-111*				
Client ID:	**FB-7-GW-110915**					
Laboratory ID:	11-085-02					
Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Toluene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*71-111*				
Client ID:	**FB-8-GW-110915**					
Laboratory ID:	11-085-03					
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*71-111*				
Client ID:	**FB-9-GW-110915**					
Laboratory ID:	11-085-04					
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*71-111*				
Client ID:	**FB-10-GW-110915**					
Laboratory ID:	11-085-05					
Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Toluene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*71-111*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-11-GW-111015**					
Laboratory ID:	11-085-06					
Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Toluene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*71-111*				
Client ID:	**FB-12-GW-111015**					
Laboratory ID:	11-085-07					
Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Toluene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*71-111*				
Client ID:	**FB-13-GW-111015**					
Laboratory ID:	11-085-08					
Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Toluene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*71-111*				
Client ID:	**FB-14-GW-111015**					
Laboratory ID:	11-085-09					
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*71-111*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-15-GW-111015**					
Laboratory ID:	11-085-10					
Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Toluene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*71-111*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1116W2					
Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Toluene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
o-Xylene	**ND**	1.0	EPA 8021B	11-16-15	11-16-15	
Gasoline	**ND**	100	NWTPH-Gx	11-16-15	11-16-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*71-111*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	11-085-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*81*	*83*	*71-111*			
MATRIX SPIKES											
Laboratory ID:	11-085-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**49.7**	**52.4**	50.0	50.0	ND	**99**	**105**	83-123	5	15	
Toluene	**48.0**	**49.8**	50.0	50.0	ND	**96**	**100**	83-124	4	16	
Ethyl Benzene	**47.4**	**49.6**	50.0	50.0	ND	**95**	**99**	82-123	5	15	
m,p-Xylene	**47.2**	**49.2**	50.0	50.0	ND	**94**	**98**	81-125	4	17	
o-Xylene	**46.7**	**48.6**	50.0	50.0	ND	**93**	**97**	82-123	4	15	
Surrogate:											
Fluorobenzene						*92*	*89*	*71-111*			

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-6-GW-110915**					
Laboratory ID:	11-085-01					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Benzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Toluene	ND	1.0	EPA 8260C	11-12-15	11-12-15	
Ethylbenzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
m,p-Xylene	ND	0.40	EPA 8260C	11-12-15	11-12-15	
o-Xylene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*71-131*				
Toluene-d8	*99*	*80-120*				
4-Bromofluorobenzene	*93*	*80-120*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-8-GW-110915**					
Laboratory ID:	11-085-03					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Benzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Toluene	ND	1.0	EPA 8260C	11-12-15	11-12-15	
Ethylbenzene	0.24	0.20	EPA 8260C	11-12-15	11-12-15	
m,p-Xylene	0.55	0.40	EPA 8260C	11-12-15	11-12-15	
o-Xylene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*71-131*				
Toluene-d8	*100*	*80-120*				
4-Bromofluorobenzene	*95*	*80-120*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-9-GW-110915**					
Laboratory ID:	11-085-04					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Benzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Toluene	ND	1.0	EPA 8260C	11-12-15	11-12-15	
Ethylbenzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
m,p-Xylene	ND	0.40	EPA 8260C	11-12-15	11-12-15	
o-Xylene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*71-131*				
Toluene-d8	*101*	*80-120*				
4-Bromofluorobenzene	*94*	*80-120*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-14-GW-111015**					
Laboratory ID:	11-085-09					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Benzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Toluene	ND	1.0	EPA 8260C	11-12-15	11-12-15	
Ethylbenzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
m,p-Xylene	ND	0.40	EPA 8260C	11-12-15	11-12-15	
o-Xylene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*71-131*				
Toluene-d8	*101*	*80-120*				
4-Bromofluorobenzene	*94*	*80-120*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1112W1					
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Benzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Toluene	ND	1.0	EPA 8260C	11-12-15	11-12-15	
Ethylbenzene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
m,p-Xylene	ND	0.40	EPA 8260C	11-12-15	11-12-15	
o-Xylene	ND	0.20	EPA 8260C	11-12-15	11-12-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*71-131*				
Toluene-d8	*99*	*80-120*				
4-Bromofluorobenzene	*93*	*80-120*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

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:	SB1112W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.35**	**9.14**	10.0	10.0	94	91	62-132	2	20	
Benzene	**9.42**	**9.75**	10.0	10.0	94	98	75-121	3	15	
Trichloroethene	**8.78**	**9.04**	10.0	10.0	88	90	65-115	3	15	
Toluene	**9.56**	**10.0**	10.0	10.0	96	100	78-116	4	15	
Chlorobenzene	**9.10**	**9.34**	10.0	10.0	91	93	77-118	3	15	
Surrogate:										
Dibromofluoromethane					*98*	*98*	*71-131*			
Toluene-d8					*98*	*99*	*80-120*			
4-Bromofluorobenzene					*93*	*95*	*80-120*			

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

1,2-DIBROMOETHANE (EDB)
EPA 8011

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-6-GW-110915**					
Laboratory ID:	11-085-01					
EDB	**ND**	0.0096	EPA 8011	11-20-15	11-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*69*	*25-143*				
Client ID:	**FB-8-GW-110915**					
Laboratory ID:	11-085-03					
EDB	**ND**	0.0097	EPA 8011	11-20-15	11-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*67*	*25-143*				
Client ID:	**FB-9-GW-110915**					
Laboratory ID:	11-085-04					
EDB	**ND**	0.0096	EPA 8011	11-20-15	11-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*69*	*25-143*				
Client ID:	**FB-14-GW-111015**					
Laboratory ID:	11-085-09					
EDB	**ND**	0.0096	EPA 8011	11-20-15	11-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*72*	*25-143*				

Date of Report: November 23, 2015
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-085
Project: 1432-001

1,2-DIBROMOETHANE (EDB)
EPA 8011
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1120W1					
EDB	**ND**	0.010	EPA 8011	11-20-15	11-20-15	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*61*	*25-143*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1120W1										
	SB	SBD	SB	SBD		SB	SBD				
EDB	**0.0675**	**0.0676**	0.100	0.100	N/A	**68**	**68**	84-118	0	15	
Surrogate:											
TCMX						*77*	*79*	*25-143*			

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 1

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

Laboratory Number: 11-085

Company:	Farallon
Project Number:	1432-001
Project Name:	Kellogs Korner
Project Manager:	Joe Rounds
Sampled by:	Jaed Kerr

Turnaround Request (in working days)

(Check One)

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

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	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	8260C EDC, MTBE, BTEX	EDB 8011			% Moisture
1	~~FBMW~~-6-GW-111015	11/04/15	1127	water	7		X	-	NO	BTEX												X	X			
2	~~FBMW~~-7-GW-111015		1234				X															X	X			
3	~~FBMW~~-8-GW-111015		1344				X	-	NO	BTEX												X	X			
4	~~FBMW~~-9-GW-111015		1456				X	-	NO	BTEX												X	X			
5	~~FBMW~~-10-GW-111015		1625				X																			
6	FB ~~MW~~-11-GW-111015	11/10/15	0853				X																			
7	~~FBMW~~-12-GW-111015		1004				X																			
8	FB-13-GW-111015		1141				X																			
9	FB-14-GW-111015		1256				X	-	NO	BTEX												X	X			
10	FB-15-GW-111015		1417		✓		X																			

	Signature	Company	Date	Time
Relinquished		Farallon	11/11/15	0600
Received		Speedy Msngr	11-11-15	0846
Relinquished		" "	" "	0934
Received		Circle Ex	11/11/15	934
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

~~Please change the "MW" to "FB" on the analytical report. Samples should read as they do from FB-13 through FB-15.~~ DB

* ~~Run all groundwater samples~~ HOLD

Chromatograms with final report ☐

* Added 11/12/15. DB (STA)

Data Package: Standard ☐ Level III ☐ Level IV ☐

Electronic Data Deliverables (EDDs) ☐ _____