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REMEDIAL INVESTIGATION REPORT

KELLOGGS KORNER
MIDVALE AND EMERALD ROADS
SUNNYSIDE, WASHINGTON

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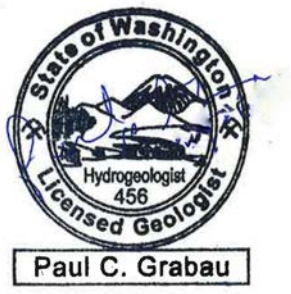

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, xylenes
CFR	Code of Federal Regulations
Chen-Northern	Chen-Northern, Inc.
COPC	constituents of potential concern
DRO	total petroleum hydrocarbons as diesel-range organics
Ecology	Washington Department of Ecology
EDB	1,2-dibromethane
EDC	1,2-dichloroethane
EPA	U.S. Environmental Protection Agency
Farallon	Farallon Consulting, L.L.C.
GRO	total petroleum hydrocarbons as gasoline-range organics
Interim Action	an interim remedial action performed at the Site in 1990 through 1991
Property	former Kelloggs Korner property at the intersection of the Midvale and Emerald Roads in Sunnyside, Washington
MTBE	methyl tertiary-butyl ether
µg/l	microgram per liter
mg/kg	milligram per kilogram
MTCA	Washington State Model Toxics Control Act Cleanup Regulation
ORO	total petroleum hydrocarbons as oil-range organics
PQL	practical quantitation limit
RI	Remedial Investigation
Site	areas on and off the former Kelloggs Korner property where hazardous substances were located as a result of the release of hazardous substances at the former Kelloggs Korner property
TEE	terrestrial ecological evaluation
UST	underground storage tank
VCP	Voluntary Cleanup Program
WAC	Washington Administrative Code

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this Remedial Investigation (RI) Report to document the results of soil sampling, monitoring well installation, and groundwater monitoring and sampling conducted to characterize the nature and extent of historical releases of hazardous substances associated with the former Kelloggs Korner property at the intersection of the Midvale and Emerald Roads in Sunnyside, Washington (herein referred to as the Property) (Figure 1). The Site, as referred to herein, is defined as the areas on and off the Property where hazardous substances were located as a result of the release of hazardous substances at the Property, which includes portions of the Property and areas off the Property in the adjacent rights-of-way beneath Midvale Road to the east; Emerald Road to the south; agricultural fields to the east and south; and the gravel lot to the southeast, which is located on the corner of the Milky Way, LTI, Inc. property at 333 Midvale Road.

The RI was conducted to meet the requirements of the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) for an RI Report for the Site per Section 350 of Chapter 173-340 of the Washington Administrative Code (WAC 173-340-350), and for releases from underground storage tanks (USTs) per WAC 173-340-450. This RI Report was prepared for submittal to the Washington State Department of Ecology (Ecology) under the Voluntary Cleanup Program (VCP) to obtain a No Further Action determination for the Site.

Data used to define and characterize the Site were collected during work conducted at the Site by previous consultants between 1990 and 1994, which included implementation of an interim remedial action in 1990 through 1991 (Interim Action). The Interim Action included the decommissioning of USTs and other underground structures, excavation of soil with concentrations of petroleum hydrocarbons exceeding MTCA Method A cleanup levels, and dewatering to facilitate excavation. Farallon has since collected sufficient data, to the extent practicable, to fully characterize the Site to complete the RI.

1.1 OBJECTIVE

The objective of the RI was to collect, develop, and evaluate sufficient information to characterize the nature and extent of hazardous substances at the Site to enable evaluation and demonstrate no further action is required.

1.2 REPORT ORGANIZATION

This RI Report summarizes the results of the prior investigations and Interim Action, and presents the results of the subsurface investigations conducted by Farallon. The report is organized into the following sections:

- **Section 2**, **Site Description and Background**, provides a summary of Site features, history, and geology and hydrogeology; previous environmental investigations and activities; and the regulatory status of the Site.

- **Section 3**, **Remedial Investigation Scope of Work**, describes the RI work elements, including field activities conducted at the Site during the RI.
- **Section 4**, **Remedial Investigation Results**, provides the results from the soil and groundwater sampling and monitoring conducted during the RI.
- **Section 5**, **Conceptual Site Model**, summarizes the conceptual site model, including confirmed and suspected source areas, constituents of potential concern (COPCs), media of concern, and contaminant fate and transport.
- **Section 6**, **Conclusions**, provides Farallon conclusions regarding the results from the sampling and monitoring conducted during the RI.
- **Section 7**, **References**, provides a list of the documents cited in this RI Report.
- **Section 8**, **Limitations**, presents Farallon's standard limitations associated with conducting the work described herein and preparing this report.

2.0 SITE DESCRIPTION AND BACKGROUND

This section provides a description of the Site and a summary of previous investigations. The documents relied upon for the following summary are cited below and listed in Section 7, References.

2.1 SITE DESCRIPTION AND SETTING

The Site is located in Sections 1 and 2, Township 9 North, Range 22 East and Sections 35 and 36, Township 10 North, Range 22 East in Sunnyside, Yakima County, Washington (Figure 1). The Property, which includes portions of the Site, is identified as Yakima County Parcel No. 221035-44033 and has a total area of 1.01 acres of undeveloped land (Yakima County Tax Assessor 2018). The intersection of the Midvale and Emerald Roads is proximate to the Property (Figure 2).

Land use in the vicinity of the Site primarily is a mix of agricultural fields, private residences, and trucking and farming equipment businesses. The Site is in Sunnyside, Washington, which consists primarily of commercial and retail businesses and residences. The population of Sunnyside is 16,411 people (United States Census Bureau 2016).

Site topography is relatively flat, sloping slightly down toward the south. Snipes Mountain is to the east and Harrison Hill is to the north of the Site. The Yakima River flows northwest to southeast approximately 6 miles from the Site (U.S. Geological Survey 2018).

Known utilities in the vicinity of the Site include:

- A City of Sunnyside stormwater line in the east-adjacent right-of-way along Midvale Road;
- A Port of Sunnyside stormwater line in the east-adjacent right-of-way along Midvale Road;
- A fiber optic line in the east-adjacent right-of-way along Midvale Road;
- A fiber optic line along the southern right-of-way on Emerald Road;
- Two natural gas lines in the south-adjacent right-of-way along Emerald Road;
- An electrical line near the sidewalk along Midvale Road;
- A water line near the sidewalk along the Midvale Road; and
- Many shallow irrigation lines.

2.2 SITE HISTORY

The Site formerly was developed with a gasoline service station and market. Three USTs were installed on December 31, 1964. Two USTs with a capacity of 1,100 gallons each were used for storage of leaded and unleaded gasoline products. The third UST with a capacity of 550 gallons, also used to store gasoline at the Site, did not pass a tank integrity test conducted on May 3, 1990, which triggered cleanup activities (Chen-Northern, Inc. [Chen-Northern] 1993b). Currently, the Site is undeveloped, although the subsurface groundwater infiltration and groundwater interceptor

trenches that were installed as part of the Interim Action cleanup activities remain on the Site. Further discussion of the previous environmental investigations and Interim Action cleanup activities conducted at the Site is provided in Section 2.4, Previous Environmental Investigations and Activities.

2.3 GEOLOGY AND HYDROGEOLOGY

A summary of the geologic and hydrogeologic conditions at and in the vicinity of the Site is provided below. Additional details on the geologic and hydrogeologic conditions encountered during the RI field investigations in 2015 and 2017 are provided in Section 4.1.

General discussion of the regional geology at the Site is available in the *Hydrogeologic Framework of Sedimentary Deposits in Six Structural Basins, Yakima River Basin, Washington* dated 2006, prepared by the U.S. Geological Survey (2006). The Site is located near the axis of the Wapato Syncline in the Yakima Fold Belt, a province that encompasses the 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 generally comprise thick sequences of sand, gravel, and some finer material, including silt and clay. Loess deposits primarily are silt and clay and tend to be found in the southern and eastern portions of the valley (U.S. Geological Survey 2006).

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 (Chen-Northern 1993b). Groundwater is approximately 10 feet bgs at the Site and flows to the southeast (Chen-Northern 1993a). Stormwater runoff at the Site infiltrates into the ground. Some stormwater runoff reportedly travelled via overland flow into a former irrigation supply ditch along the eastern edge of the Site. The irrigation supply ditch was replaced with an underground pipeline and backfilled; however, Farallon was not able to locate information specifying when the irrigation supply ditch was filled.

City of Sunnyside water is supplied from the domestic supply wells owned by the City of Sunnyside. No public water-supply wells were identified within 1 mile of the Site (Ecology 2018).

The nearest surface water body is the Snipes Mountain Lateral irrigation canal approximately 4,450 feet west of the Site.

2.4 PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND ACTIVITIES

This section describes investigations conducted by previous consultants at the Site. Additional information on the investigation procedures and results are provided in the referenced reports.

On April 25, 1990, Ecology received a call from Sunnyside Irrigation District regarding a possible sheen in an irrigation supply ditch at the intersection of the Midvale and Emerald Roads in Sunnyside, Washington. Ecology performed a Site visit and noted the sheen in the irrigation supply

ditch. Ecology notified Kelloggs Korner regarding a potential release of petroleum products and requested they perform a tank integrity test.

A 550-gallon regular gasoline UST at the Site did not pass a tank integrity test conducted on May 3, 1990. In 1990, three USTs, dispensers, and product lines were decommissioned and removed from the Site; an Interim Action excavation in the area of the former USTs was performed; and the gasoline service station building was demolished. In accordance with Notice of Violation No. DE 90-C160 (Ecology 1990), Mr. Arthur Leyendekker implemented an Interim Action cleanup at the Site commencing in 1990. Mr. Leyendekker passed away on August 13, 1991 and work continued under the direction of the Executor of the Estate of Arthur Leyendekker. Details of the Interim Action excavation and the amount of contaminated soil removed were not provided to Farallon. In addition, waste disposal documentation of the Interim Action excavation was not provided to Farallon.

Chen-Northern (1991) submitted a proposed action plan to Ecology on August 22, 1991 outlining a plan for installation of an interceptor trench, treatment of the impacted soil, and site characterization activities. The site characterization activities consisted of advancing 17 borings (B-1 through B-17) to depths of approximately 4.5 to 12.5 feet bgs to collect soil samples to assess soil conditions on September 20, 1991. No field screening results or olfactory data from soil sampling were available for the borings advanced by Chen-Northern. The borings were advanced in the area of the release of gasoline from the former UST on the southeastern portion of the Site identified during the Interim Action.

Total petroleum hydrocarbons as gasoline-range organics (GRO) and benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected at concentrations exceeding MTCA Method A cleanup levels in borings B-2, B-5, B-9, B-13, B-16, and B-17 at depths ranging from 5.7 to 10.6 feet bgs. GRO was detected at concentrations of 580, 280, 860, and 240 milligrams per kilogram (mg/kg) in soil samples collected from borings B-2, B-5, B-9, and B-16, respectively, which exceed the MTCA Method A cleanup level (Figure 3; Table 1). Benzene was detected at concentrations of 0.73, 20 and 1.7, 1.39, and 0.055 mg/kg in soil samples collected from borings B-9, B-13, B-16, and B-17, respectively, which exceed the MTCA Method A cleanup level. Toluene and ethylbenzene were detected at concentrations of 170 and 33 mg/kg, respectively, in the soil sample collected from boring B-13 at a depth of 6.9 feet bgs, which exceeds the MTCA Method A cleanup level. Xylenes was detected at concentrations of 16.0, 33.0, and 240 and 10 mg/kg in the soil samples collected from borings B-5, B-9, and B-13, respectively, which exceed the MTCA Method A cleanup level. GRO and BTEX were not detected at concentrations exceeding laboratory practical quantitation limits (PQLs) in soil samples collected from borings B-1, B-3, B-4, B-6 through B-8, B-10 through B-12, B-14, and B-15.

Product recovery wells RW-1 through RW-5 and groundwater monitoring wells MW-1, MW-3, and MW-4 were installed at the Site by Chen-Northern in 1991 or 1992. Farallon was not provided with documentation of the installation, boring logs, or well construction details for these wells. Huntingdon Engineering and Environmental (formerly Chen-Northern) performed three quarterly groundwater monitoring events on March 18, June 9, and September 8, 1994. GRO and BTEX were detected at concentrations exceeding MTCA Method A cleanup levels in samples collected

from monitoring well MW-3 during all three sampling events. GRO and benzene were detected at concentrations exceeding MTCA Method A cleanup levels in samples collected from recovery well RW-3 during all three sampling events. Toluene, ethylbenzene, and xylenes were detected at concentrations exceeding the laboratory PQL but less than MTCA Method A cleanup levels in recovery well RW-3. Benzene was detected at a concentration of 8 micrograms per liter (µg/l) in the groundwater sample collected from recovery well RW-1 on September 8, 1994. GRO, toluene, ethylbenzene, and xylenes were reported non-detect at the laboratory PQL in samples collected from recovery well RW-1 during all three sampling events. GRO and BTEX were not detected at concentrations exceeding laboratory PQLs, or at concentrations exceeding laboratory PQLs but less than MTCA Method A cleanup levels, in samples collected from recovery wells RW-2, RW-4, and RW-5 and monitoring wells MW-1 and MW-4 during all three sampling events (Huntingdon Engineering and Environmental 1994a, 1994b, 1994c).

According to available records, groundwater monitoring and cleanup activities at the Site ceased in approximately late 1994.

2.5 REGULATORY STATUS

The Ecology (2018) Toxics Cleanup Program maintains environmental information pertaining to properties with known environmental concerns, and provides such information in a number of lists and reports. The Cleanup Site Details report indicated that the Site identification was "Kelloggs Korner," with Cleanup Site Identification No. 4921 and Facility Identification No. 473. A release affecting groundwater and soil was reported on April 25, 1990, and Mr. Bob Swackhamer was assigned as the Ecology Project Manager for the Site. The Cleanup Site Details report indicated that the Site is enrolled in the VCP and has been assigned VCP Identification No. CE0441. According to the Cleanup Site Details report, the Site status is listed as "Cleanup Started." The Site was enrolled in the VCP on April 26, 2016. The current Ecology Project Manager is Ms. Jennifer Lind (Ecology 2018).

The Ecology (2018) Regulated USTs and Inactive Facilities List indicated that three USTs were at the Site: one unleaded gasoline, one leaded gasoline, and one unknown use UST. The Regulated USTs and Inactive Facilities List stated that UST decommissioning work has been performed on two gasoline USTs and one unknown use UST. The Ecology (2018) Leaking UST List identified historical Release Identification No. 1072 and Leaking Underground Storage Tank Identification No. 48 for the Site, and indicated that the cleanup of soil and groundwater begun on August 21, 1996 was the result of a release at the Site.

In an opinion letter dated August 15, 2016, Ecology (2016) stated that additional work needs to be completed at the Site. The items that need to be completed are additional characterization, specifically on the properties south and east of the Site; a terrestrial ecological evaluation (TEE); establishment of cleanup standards; and selection of a cleanup action.

3.0 REMEDIAL INVESTIGATION SCOPE OF WORK

The purpose of the RI was to collect the data necessary to adequately characterize the Site for developing and evaluating technically feasible cleanup action alternatives. The approach for the RI included conducting two phases of field investigation to investigate current soil and groundwater conditions on and off the Property.

The RI field program was divided into four work elements: regulatory file review, reconnaissance sampling, monitoring well installation and development, and groundwater monitoring. A summary of the scope of work performed for each of these work elements is provided below.

3.1 REGULATORY FILE REVIEW

This work element included requesting and reviewing Ecology files for the Site. The regulatory files for the Site were reviewed prior to implementing subsequent work elements to assess the current status of the Site and the nature and extent of known contamination on the Site. Information from the regulatory file review was used to identify the sampling locations and parameters for the field work elements.

3.2 SOIL AND RECONNAISSANCE GROUNDWATER SAMPLING

The scope of work for the subsurface investigation performed by Farallon on November 9 and 10, 2015 was based on Farallon's review of previous investigations at the Site and the results of the groundwater sampling event that was performed on May 22, 2015, as described in Section 3.4, Groundwater Monitoring. The scope of work for the subsurface investigation included the advancement of borings FB-06 through FB-15 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 on 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 (1910 CFR 29) and by WAC 296-62, and conducted public and private utility locates to clear the boring locations of underground utilities. A summary of the subsurface investigation field program is provided below.

3.2.1 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 (Figure 2). 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 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.

3.2.2 Reconnaissance Groundwater Sampling

Groundwater was purged using a peristaltic pump from a temporary 5-foot polyvinyl chloride screen 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.

3.2.3 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 Methods 8021B or 8260C, for 1,2-dibromethane (EDB) by EPA Methods 8260C or 8011, for 1,2-dichloroethane (EDC) by EPA Method 8260C, and/or for methyl tertiary-butyl ether (MTBE) by EPA Method 8260C.

3.3 MONITORING WELL INSTALLATION

Farallon performed a subsurface investigation on October 16 and 17, 2017. The scope of work for the subsurface investigation included the advancement of borings FMW-1 through FMW-5. The final boring locations were slightly relocated from the proposed locations due to presence of subsurface utilities (Figure 2). Boring FMW-1 was advanced in an agricultural field south of the Property, borings FMW-2 and FMW-3 were advanced in the agricultural field east of the Property, and borings FMW-4 and FMW-5 were advanced in the gravel lot southeast of the Property. Prior to conducting the field work, Farallon prepared a Site-specific Health and Safety Plan as required by 1910 CFR 29 and by WAC 296-62, and conducted public and private utility locates to clear the boring locations of underground utilities. A summary of the subsurface investigation field program is provided below.

3.3.1 Soil Sampling

Soil samples were collected continuously during the advancement of borings FMW-1 through FWM-5 by Holt Services of Edgewood, Washington using a direct-push drill rig equipped with macrocore samplers to a maximum depth of 15 feet bgs (Figure 2). 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 FMW-1 through FMW-5 were collected and preserved in accordance with EPA Method 5035A. The soil samples were placed on ice in a cooler and delivered under standard chain-of-custody protocols to OnSite Environmental Inc. 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.

3.3.2 Monitoring Well Installation

Borings FMW-1 through FMW-5 were completed as groundwater monitoring wells. Monitoring wells FMW-1 through FMW-5 were constructed in accordance with the Minimum Standards for Construction and Maintenance of Wells, as established in WAC 173-160. The wells were constructed of 2-inch-diameter polyvinyl chloride casings and screens with prepacked 10-20 sand screened sections. Monitoring wells FMW-1 and FMW-2 were constructed with a 0.010-inch slotted screen at a depth of 4 to 14 feet bgs. Monitoring wells FMW-3 through FMW-5 were constructed with a 0.010-inch slotted screen at a depth of 5 to 15 feet bgs. The borehole annulus surrounding each well screen was filled with a filter pack consisting of clean 10-20 sand, and extended from the base of the screen to approximately 1 foot above the screened interval. A bentonite seal was placed from the top of the sand filter pack to a depth of approximately 2 to 3 feet bgs. A 2-foot-thick concrete surface seal was placed around the well from the top of the bentonite to approximately the ground surface surrounding the well monument. Monitoring wells FMW-1 through FMW-3 were completed with 3-foot stick-up steel monuments above surface grade. Monitoring wells FMW-4 and FMW-5 were completed with flush-mounted traffic-rated vaults. Additional well construction information is provided on the boring logs in Attachment A. Immediately following installation, monitoring wells FMW-1 through FMW-5 were developed by purging approximately 10 gallons of groundwater from each monitoring well.

3.3.3 Laboratory Analysis

Select soil samples collected from borings FMW-1 through FMW-5 were analyzed for GRO and BTEX by methods described above.

3.4 GROUNDWATER MONITORING

Farallon performed a groundwater monitoring event at the Site on May 21, 2015, which included depth-to-water measurements and collection of groundwater samples from monitoring wells MW-1 and MW-4 and recovery wells RW-1, RW-4, and RW-5 (Figure 2). Depth to groundwater ranged from 8.96 to 11.07 feet bgs in the monitoring and recovery wells prior to the start of groundwater sampling activities. Water-quality parameters, including temperature, pH, conductivity, dissolved oxygen, turbidity, and oxygen-reduction potential, were monitored during purging using a portable water-quality meter. After field parameters had stabilized, Farallon collected a groundwater sample from each well using low-flow purging and sampling methods. The groundwater samples were collected in laboratory-supplied sample containers, placed on ice in a cooler, and delivered under standard chain-of-custody protocols to OnSite Environmental, Inc. for laboratory analysis for GRO, total petroleum hydrocarbons as diesel-range organics (DRO) and as oil-range organics (ORO), BTEX, EDB, EDC, and MTBE by the methods described above.

Farallon performed a groundwater monitoring event at the Site on October 25, 2017, which included depth-to-water measurements and collection of groundwater samples from monitoring wells FMW-1 through FMW-5 (Figure 2). Depth to groundwater ranged from 12.10 to 13.22 feet below the top of the well casings in the monitoring wells prior to the start of groundwater sampling activities. Water-quality parameters, including temperature, pH, conductivity, dissolved oxygen, turbidity, and oxygen-reduction potential, were monitored during purging using a portable water-

quality meter. After field parameters had stabilized, Farallon collected a groundwater sample from each well using low-flow purging and sampling methods. The groundwater samples were collected in laboratory-supplied sample containers, placed on ice in a cooler, and delivered under standard chain-of-custody protocols to OnSite Environmental, Inc. for laboratory analysis for GRO and BTEX by the methods described above.

4.0 REMEDIAL INVESTIGATION RESULTS

The results from the RI soil and groundwater sampling are presented below.

4.1 GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

The stratigraphy encountered in the borings advanced at the Site by Farallon in November 2015 primarily consisted of silt, sandy silt with layers of silty sand and poorly graded gravel (likely from the Interim Action excavation) to the total depth explored of approximately 20 feet bgs. The stratigraphy encountered in the borings advanced at the Site by Farallon in October 2017 consisted of silt or silty sand to a maximum depth of 15 feet bgs, which was similar to the lithology on the Property. Geologic cross-sections of the Site are provided on Figures 4 and 5. The cross-section locations are shown on Figure 2. Boring logs are provided in Appendix A.

Depth to groundwater was measured at monitoring wells FMW-1 through FMW-5 on October 24, 2017 (Table 2). Depth to groundwater ranged from 12.10 feet bgs in monitoring well FMW-1 to 13.22 feet bgs in monitoring well FMW-3. Groundwater elevations are calculated relative to an arbitrary Property-specific elevation datum of 100.0 feet at the reference point established at the Site. Based on groundwater elevations calculated using depth to water measured in monitoring wells on the Site, the interpreted groundwater flow direction beneath the Site is to the south-southwest at an estimated gradient of 0.015 foot per foot (Figure 6; Table 2).

4.2 SOIL ANALYTICAL RESULTS

Results for the subsurface investigations performed in November 2015 and October 2017 are summarized below and included on Figure 3 and in Table 1. Laboratory analytical reports are provided in Appendix B.

4.2.1 Farallon 2015 Subsurface Investigation

Borings FB-6 through FB-15 were advanced to a maximum depth of 20.0 feet bgs on November 9 and 10, 2015. 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 mg/kg in the soil sample collected from boring FB-07 at a depth of 11.5 feet bgs, which is less than the MTCA Method A cleanup level. GRO was not detected at concentrations exceeding laboratory PQLs in the other soil samples analyzed from borings FB-06 through FB-15 (Figure 3; Table 1).

Xylenes were detected at a concentration of 0.13 mg/kg in the soil sample collected from boring FB-07 at a depth of 11.5 feet bgs, which is less than the MTCA Method A cleanup level. Xylenes were not detected at concentrations exceeding laboratory PQLs in the other soil samples analyzed from borings FB-06 through FB-15 (Figure 3; Table 1).

Benzene, toluene, and ethylbenzene were not detected at concentrations exceeding laboratory PQLs in the soil samples analyzed from borings FB-06 through FB-15 (Figure 3; Table 1).

EDB, EDC, and MTBE were not detected at concentrations exceeding laboratory PQLs in the soil samples analyzed from borings FB-08, FB-09, and FB-14 (Figure 3; Table 1).

4.2.2 Farallon 2017 Subsurface Investigation

Borings FMW-1 through FMW-5 were advanced to a maximum depth of 15 feet bgs on October 16 and 17, 2017. Field screening evidence and photoionization detector readings from soil samples did not indicate the potential presence of COPCs in the soil.

GRO and BTEX were not detected at concentrations exceeding laboratory PQLs in soil samples collected from borings FMW-1 through FMW-5 at the Site (Figure 3; Table 1).

4.3 GROUNDWATER ANALYTICAL RESULTS

Results for the subsurface investigations performed in November 2015 and October 2017 are summarized below and included on Figure 7 and in Table 3. Laboratory analytical reports are provided in Appendix B.

4.3.1 Farallon May 2015 Groundwater Monitoring Event

Farallon performed a groundwater monitoring event on May 22, 2015. DRO, ORO, GRO, BTEX, EDB, EDC, and MTBE were not detected at concentrations exceeding laboratory PQLs in groundwater samples collected from monitoring wells MW-1 and MW-4 and recovery wells RW-1, RW-4, and RW-5 (Figure 7; Table 3).

4.3.2 Farallon November 2015 Reconnaissance Groundwater Monitoring Event

Farallon collected reconnaissance groundwater samples on November 9 and 10, 2015 from borings FB-06 through FB-15. Ethylbenzene and xylenes were detected at concentrations of 0.24 and 0.55 µg/l, respectively, in the reconnaissance groundwater sample collected from boring FB-08, which do not exceed MTCA Method A cleanup levels (Figure 7; Table 3). Ethylbenzene and xylenes were not detected at concentrations exceeding laboratory PQLs in the reconnaissance groundwater samples analyzed from borings FB-06, FB-07, and FB-09 through FB-15 (Figure 7; Table 3).

GRO, benzene, and toluene were not detected at concentrations exceeding laboratory PQLs in the reconnaissance groundwater samples analyzed from borings FB-06 through FB-15 (Figure 7; Table 3).

EDB, EDC, and MTBE were not detected at concentrations exceeding laboratory PQLs in the reconnaissance groundwater samples analyzed from borings FB-08, FB-09, and FB-14 (Table 4).

4.3.3 Farallon October 2017 Groundwater Monitoring Event

Farallon performed a groundwater monitoring event on October 25, 2017. GRO and BTEX were not detected at concentrations exceeding laboratory PQLs in groundwater samples collected from monitoring wells FMW-1 through FMW-5 (Figure 7; Table 3).

5.0 CONCEPTUAL SITE MODEL

The conceptual site model has been developed to evaluate, define, or document the following elements in accordance with WAC 173-340-200:

- Confirmed and suspected source areas;
- COPCs;
- Media of concern;
- Nature and extent of contamination in soil and/or groundwater at concentrations exceeding MTCA Method A cleanup levels;
- Contaminant fate and transport of COPCs;
- Potential exposure pathways and scenarios; and
- Cleanup standards.

These elements are described for the Site in the following sections.

5.1 CONFIRMED AND SUSPECTED SOURCE AREAS

Releases from the former UST associated with the former gasoline service station are a confirmed source of COPCs exceeding MTCA Method A cleanup levels in soil and groundwater at the Site. The three USTs, product piping, and dispensers were decommissioned and removed in 1990 during an Interim Action.

5.2 CONSTITUENTS OF POTENTIAL CONCERN

COPCs are defined as the hazardous substances that have been detected at concentrations exceeding MTCA Method A cleanup levels. The COPCs for the Site are GRO and BTEX.

5.3 MEDIA OF CONCERN

The media of potential concern for the Site are identified as soil, groundwater, and surface water.

Soil was retained as a medium of concern due to the presence of the COPCs GRO and BTEX at concentrations that exceeded MTCA Method A cleanup levels in soil samples collected from borings B-2, B-5, B-9, B-13, B-16, and B-17 in 1991.

Groundwater was retained as a medium of concern due to the presence of the COPCs GRO and BTEX that exceeded MTCA Method A cleanup levels in groundwater samples collected from recovery wells RW-1 and RW-3 and monitoring well MW-3 in 1994.

Surface water formerly was a medium of concern due to observation of a visible sheen of petroleum products on the irrigation supply ditch on the eastern side of Midvale Road in 1990. The irrigation supply ditch no longer exists and was replaced by an underground stormwater

pipeline installed in the same location. The date of installation of the pipeline is unknown. All current surface water features are at a sufficient distance from the Site so that surface water or sediments are not retained as a media of concern.

5.4 NATURE AND EXTENT OF CONTAMINATION

Based on the analytical results for soil and groundwater samples analyzed during the 2015 and 2017 subsurface investigations, the nature and extent of soil and groundwater contamination have been sufficiently characterized to support the recommendation that no further cleanup for the Site is warranted.

5.4.1 Soil

The Interim Action completed in 1990 removed soil containing COPCs at concentrations exceeding MTCA cleanup levels from the source area. Analytical results for soil samples collected east and south of the Interim Action excavation area at depths ranging from 5.5 to 10.5 feet bgs confirmed that elevated concentrations of COPCs in soil remained in 1991. Based on the results of the 2015 subsurface investigation, borings FB-06 through FB-15 were installed in the area of concern containing soil contamination that exceeded MTCA Method A cleanup levels in 1991, and the investigation results demonstrate that soil is no longer a medium of concern. Analytical results for soil samples collected in the 2017 subsurface investigation, which was performed on adjacent properties where a sheen was noted in an irrigation supply ditch, show that soil on the adjacent properties is no longer a medium of concern. Analytical results for soil samples collected from the Site at depths ranging from approximately 7.5 to 18.0 feet bgs in the 2015 and 2017 subsurface investigations demonstrated that COPCs were not detected at concentrations exceeding laboratory PQLs in soil.

5.4.2 Groundwater

In 1994, COPCs for groundwater were detected at concentrations exceeding MTCA Method A cleanup levels in groundwater samples collected from recovery wells RW-1 and RW-3 and monitoring well MW-3 (Figure 7; Table 3). COPCs were not detected at concentrations exceeding laboratory PQLs in the reconnaissance groundwater samples collected from borings FB-06 through FB-15 in 2015, which were collected from locations that encircled and were within the Interim Action excavation area. Groundwater monitoring events in 2015 and 2017 demonstrated that COPCs are no longer present in groundwater at the Site, as no analytes were detected at concentrations exceeding laboratory PQLs in samples analyzed. Groundwater is no longer a medium of concern at the Site.

5.4.3 Surface Water

Surface water was a medium concern at the property east-adjacent to the Site, but the irrigation supply ditch has been removed and backfilled.

5.5 CONTAMINANT FATE AND TRANSPORT

Results of the Interim Action confirmed historical releases of COPCs from the source area affected soil on the Site to a depth of at least 10.6 feet bgs in the areas of the three USTs removed during the Interim Action. Previous investigation data suggest that COPCs migrated from soil to shallow

groundwater on and off the Property to the south and east beneath the paved road surface and agricultural fields. In 1994, GRO and BTEX were detected at concentrations exceeding MTCA Method A cleanup levels in recovery well RW-3 and monitoring well MW-3 off the Property. Recent soil and groundwater investigations performed in 2015 and 2017 show that COPCs are no longer present at concentrations exceeding MTCA Method A cleanup levels in Site media.

5.6 POTENTIAL EXPOSURE PATHWAYS

This section presents the assessment and conclusions pertaining to possible exposure pathways at the Site. The two types of possible exposure risks associated with the presence of COPCs at the Site are human health risk and terrestrial ecological risk. This section also identifies potential exposure scenarios.

A qualitative evaluation of potential exposure pathways was conducted for the RI to assess whether exposure pathways are potentially complete from the source area to human receptors.

5.6.1 Soil and Groundwater

The human health risk exposure pathways related to COPCs in soil and groundwater are not a concern due to COPCs not being detected at concentrations exceeding laboratory PQLs in soil and groundwater samples analyzed during the 2015 and 2017 subsurface investigations.

5.6.2 Terrestrial Ecological Evaluation Results

A TEE is required by WAC 173-340-7490 at any site where there has been a release of a hazardous substance to soil. The regulation requires that one of the following actions be taken:

- Documenting a TEE exclusion using the criteria presented in WAC 173-340-7491;
- Conducting a simplified TEE in accordance with WAC 173-340-7492; or
- Conducting a site-specific TEE in accordance with WAC 173-340-7493.

A simplified TEE was conducted in accordance with WAC 173-340-7492 and no further evaluation was warranted based on the following analyses and conclusions:

- Exposure Analysis: WAC 173-340-7492(2)(a) – Area of soil contamination at the Site is not more than 350 square feet;
- Pathway Analysis: WAC 173-340-7492(2)(b) – No potential exposure pathways from soil contamination to ecological receptors; and
- Contaminant Analysis: WAC 173-340-7492(2)(c) – No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.

The TEE results are provided in Appendix C. No further consideration of ecological impacts is required under MTCA.

5.7 CLEANUP STANDARDS

As defined in WAC 173-340-700, cleanup standards include establishing cleanup levels and the points of compliance at which the cleanup levels are to be attained. The cleanup standards for the Site have been established to be protective of human health and the environment in accordance with WAC 173-340-700 through 173-340-740.

5.7.1 Cleanup Levels

The cleanup levels are the concentrations of COPCs that are to be met for each medium of concern at the points of compliance defined for the Site. The preliminary cleanup levels for COPCs in soil and groundwater are presented below.

5.7.1.1 Soil

The preliminary cleanup levels for soil at the Site are the MTCA Method A soil cleanup levels for unrestricted land use. The preliminary cleanup levels for COPCs in soil are:

- 30 mg/kg for GRO when benzene is present;
- 100 mg/kg for GRO when benzene is not present;
- 0.03 mg/kg for benzene;
- 7 mg/kg for toluene;
- 6 mg/kg for ethylbenzene; and
- 9 mg/kg for xylenes.

5.7.1.2 Groundwater

The preliminary cleanup levels for groundwater at the Site are the MTCA Method A preliminary cleanup levels for groundwater. The preliminary cleanup levels for COPCs in groundwater are:

- 800 µg/l for GRO when benzene is present;
- 1,000 µg/l for GRO when benzene is not present;
- 5 µg/l for benzene;
- 1,000 µg/l for toluene;
- 700 µg/l for ethylbenzene; and
- 1,000 µg/l for xylenes.

5.7.2 Points of Compliance

The points of compliance are the locations at which the preliminary cleanup levels for COPCs in each medium of concern must be attained to meet the requirements of MTCA and support the issuance of a No Further Action determination for the Site from Ecology. The points of compliance for the Site were established in accordance with WAC 173-340-740(6) for soil and groundwater.

5.7.2.1 Soil

The standard point of compliance for soil is defined as all soil at the Site where concentrations of COPCs exceeding MTCA Method A cleanup levels have been detected in in-situ soil samples.

5.7.2.2 Groundwater

The standard point of compliance for groundwater is defined as the uppermost level of the saturated zone extending vertically to the lowest depth that potentially could be impacted by COPCs throughout the Site. This groundwater interval consists of the shallow groundwater-bearing zone throughout the Site.

6.0 CONCLUSIONS

This RI Report has provided sufficient information to document that the RI for Site has met the requirements of WAC 173-340-350 and is complete. The RI also documents that components of a feasibility study are not required to be completed as the final cleanup action has been completed. Contamination associated with the former gasoline service station on the Property is no longer present on the Site. An Interim Action removed contamination from the source area in 1991. Subsurface investigations performed in 2015 and 2017 demonstrated that GRO, BTEX, and fuel additives EDB, EDC, and MTBE were reported at concentrations less than MTCA Method A cleanup levels in all soil and groundwater samples analyzed.

Soil samples were collected in 2015 and 2017 from the former Interim Action area, along the border of the excavation and the Property to the south and east, and on adjacent properties. GRO and BTEX were not detected at concentrations exceeding laboratory PQLs in soil and groundwater samples collected in 2015 and 2017. The analytical data demonstrate that COPCs are no longer present at concentrations exceeding MTCA Method A cleanup levels on the Site. Results for the 2017 subsurface investigation have demonstrated that COPCs are not present at the properties east-, southeast-, or south-adjacent of the Property.

Based on the results of the subsurface investigations, it is Farallon's opinion that conditions at the Site are protective of human health and the environment and no further action is necessary to proceed with regulatory closure of the Site. Farallon requests that a No Further Action determination be issued by Ecology for the Site.

7.0 REFERENCES

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8.0 LIMITATIONS

8.1 GENERAL LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- **Accuracy of Information**. Farallon obtained, reviewed, and evaluated certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy or authenticity. Should the information upon which Farallon relied prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- **Reconnaissance and/or Characterization**. Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

For the foregoing reasons, Farallon cannot and does not warrant or guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions can be considered valid only as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and the Estate of Arthur Leyendekker, and currently accepted industry standards. No other warranties, representations, or certifications are made.

8.2 LIMITATION ON RELIANCE BY THIRD PARTIES

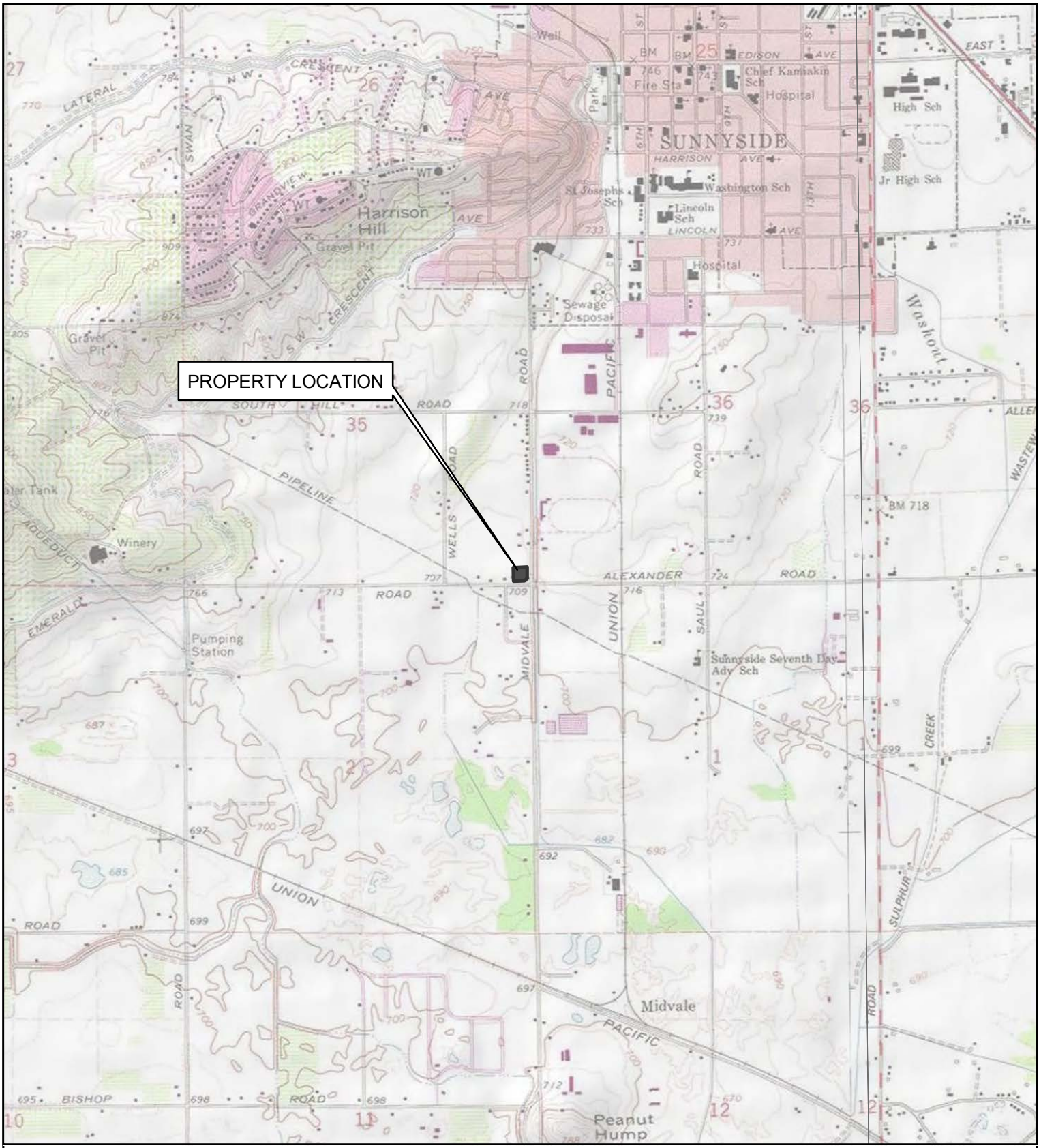
Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of the Estate of Arthur Leyendekker to address the unique needs of the Estate of Arthur Leyendekker at Kelloggs Korner at a specific point in time. Ecology is recognized as an intended user of this report/assessment, subject to the same limitations as the Estate of Arthur Leyendekker.

This is not a general grant of reliance. No one other than the Estate of Arthur Leyendekker may rely on this report unless Farallon agrees in advance to such reliance in writing. Any unauthorized use, interpretation, or reliance on this report/assessment is at the sole risk of that party and Farallon will have no liability for such unauthorized use, interpretation, or reliance.

FIGURES

REMEDIAL INVESTIGATION REPORT
Kelloggs Korner
Midvale and Emerald Roads
Sunnyside, Washington

Farallon PN: 1432-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE SUNNYSIDE, WASHINGTON, DATED 2013

0 2,000
SCALE IN FEET

N

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FIGURE 1

PROPERTY VICINITY MAP
KELLOGGS KORNER
EMERALD AND MIDVALE ROADS
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

Drawn By: tperrin Checked By: JR Date: 3/19/2018 Disc Reference:

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LEGEND

- MONITORING WELL (FARALLON, 2017)
- RECOVERY WELL (CHEN-NORTHERN INC., 1992)
- MONITORING WELL HISTORICAL (CHEN-NORTHERN INC., 1991)
- RECOVERY WELL HISTORICAL (CHEN-NORTHERN INC., 1992)
- BORING (FARALLON, 2015)
- BORING (CHEN-NORTHERN INC., 1991)
- GROUNDWATER TRENCH
- APPROXIMATE PROPERTY BOUNDARY
- A A' CROSS-SECTION LOCATION
- 220901-22405 YAKIMA COUNTY PARCEL IDENTIFIER

0 30 60
SCALE IN FEET

N

NOTE: LOCATIONS ARE APPROXIMATE

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FIGURE 2

SITE PLAN
KELLOGGS KORNER
EMERALD AND MIDVALE ROADS
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

Drawn By: pemahiser | Checked By: JR | Date: 3/30/2018 | Disc Reference:
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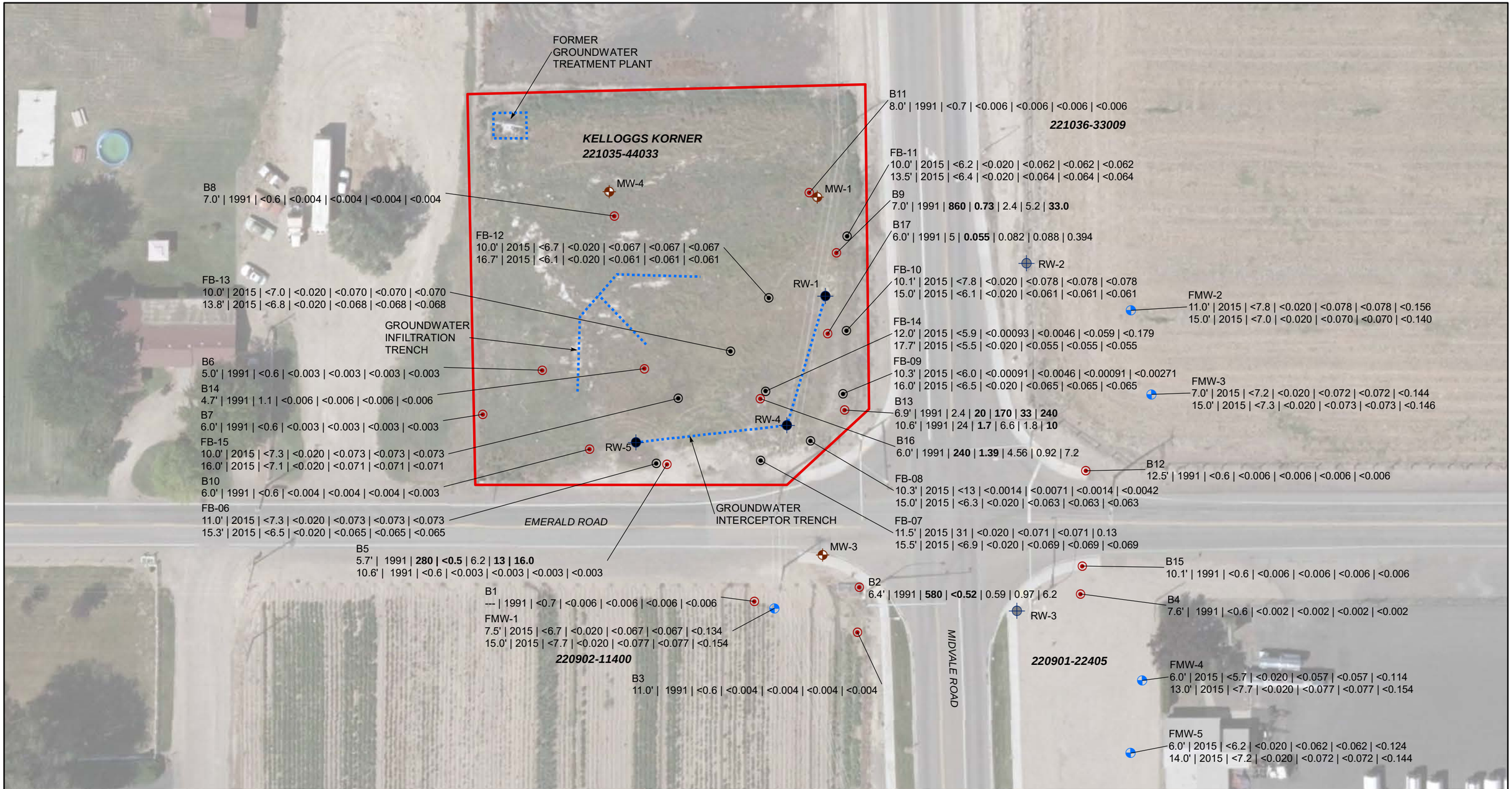

LEGEND

- MONITORING WELL (FARALLON, 2017)
- RECOVERY WELL (CHEN-NORTHERN INC., 1992)
- MONITORING WELL HISTORICAL (CHEN-NORTHERN INC., 1991)
- RECOVERY WELL HISTORICAL (CHEN-NORTHERN INC., 1992)
- BORING (FARALLON, 2015)
- BORING (CHEN-NORTHERN INC., 1991)
- GROUNDWATER TRENCH
- APPROXIMATE PROPERTY BOUNDARY
- 220901-22405 YAKIMA COUNTY PARCEL IDENTIFIER

NOTES:
SOIL RESULTS REPORTED AS:
DEPTH IN FEET BELOW GROUND SURFACE | YEAR SAMPLED | GRO | BENZENE | TOLUENE | ETHYLBENZENE | XYLENES
CONCENTRATIONS SHOWN IN MILLIGRAMS PER KILOGRAM

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
BOLD = RESULTS DENOTE CONCENTRATIONS EXCEEDING THE MODEL TOXICS CONTROL ACT (MTCA) CLEANUP LEVEL
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
--- = DEPTH OF SAMPLE UNKNOWN
LOCATIONS ARE APPROXIMATE

N

0 50
SCALE IN FEET

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FIGURE 3

SITE PLAN SHOWING SOIL ANALYTICAL RESULTS
KELLOGGS KORNER
EMERALD AND MIDVALE ROADS
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

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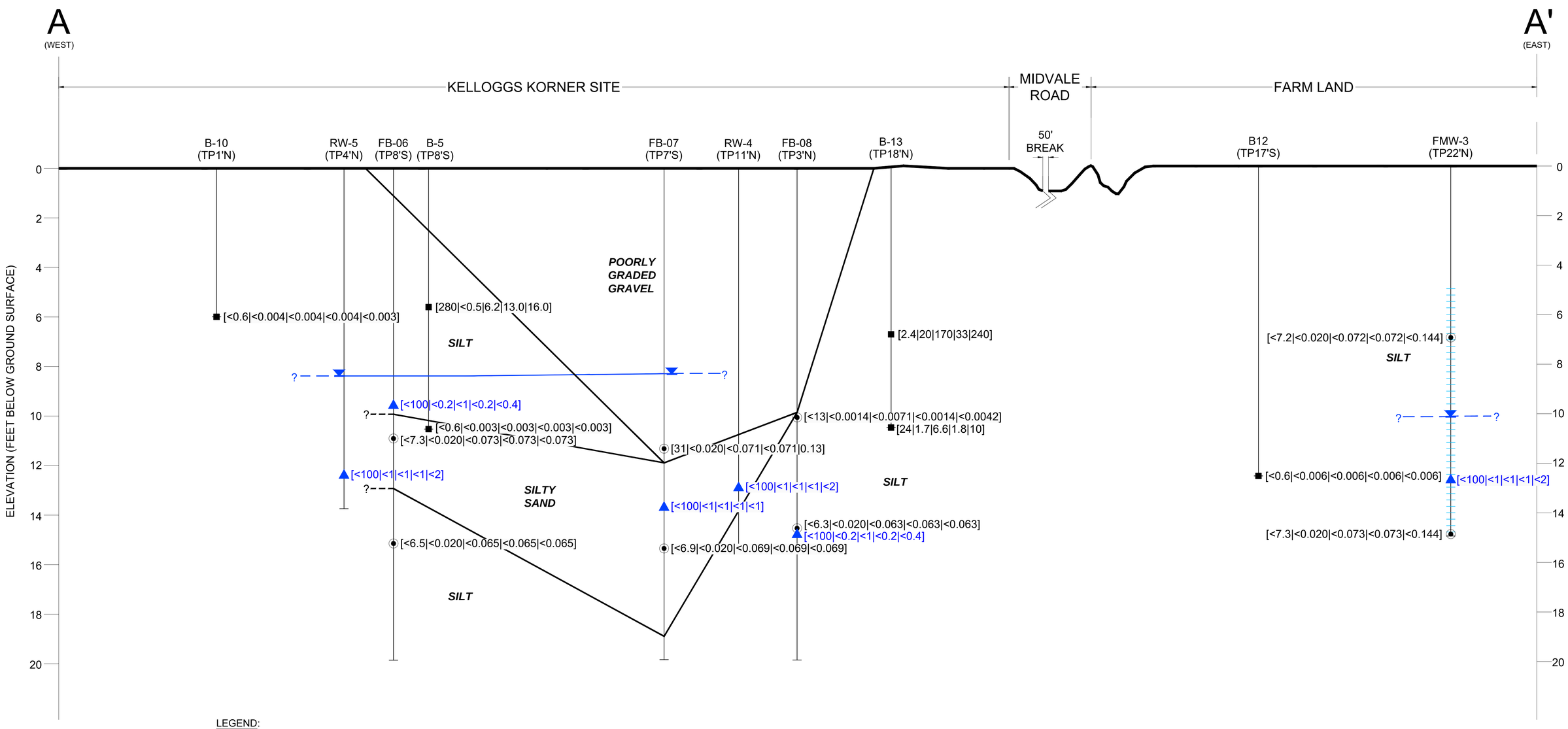

LEGEND:

B-10 (TP1'N) — BORING/MONITORING WELL ID
BORING TRANSPOSED (TP)
IN FEET NORTH (N) OR SOUTH (S)
OF CROSS-SECTION LINE.

STRATIGRAPHIC CONTACT|
DASHED WHERE APPROXIMATE

CHEN-NORTHERN INC. SOIL SAMPLE (1994)

FARALLON SOIL SAMPLE (2015 AND 2017)

FARALLON GROUNDWATER SAMPLE (2015 AND 2017)

GROUNDWATER ELEVATION

WELL SCREEN INTERVALS

2' / 0' / 0' / 10'

ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

[<100|<0.2|<1.0|<0.2|<0.4] — GROUNDWATER ANALYTICAL RESULT [GRO|B|T|E|X]

ALL SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

[2.4|20|170|33|240] — SOIL ANALYTICAL RESULT [GRO|B|T|E|X]

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS

BTEX = BENZENE | TOLUENE | ETHYLBENZENE | AND XYLENES

< = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY REPORTING LIMIT

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FIGURE 4

CROSS-SECTION A-A'
KELLOGGS KORNER
EMERALD AND MIDVALE ROADS
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

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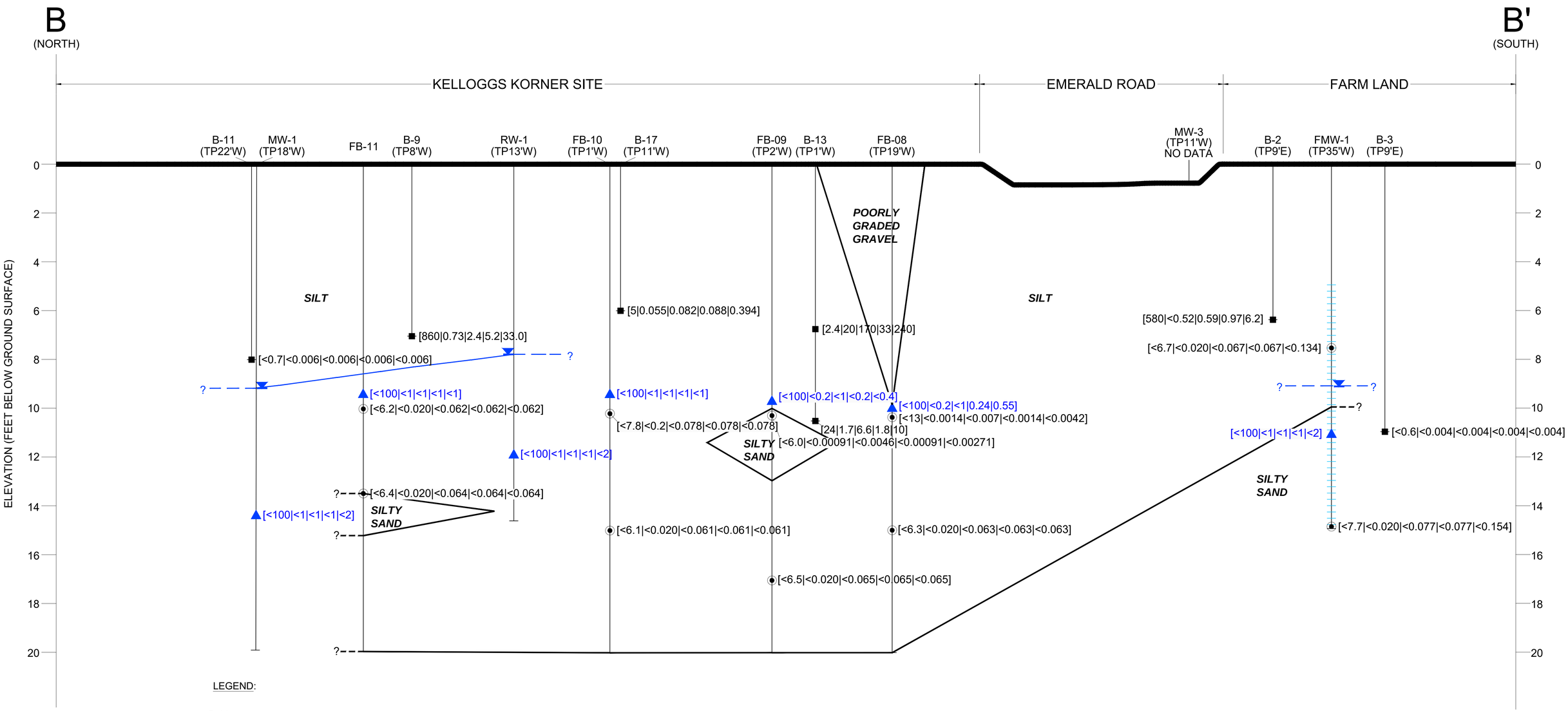
B
(NORTH)

B'
(SOUTH)

KELLOGGS KORNER SITE | EMERALD ROAD | FARM LAND

ELEVATION (FEET BELOW GROUND SURFACE)



LEGEND:

B-11 (TP22'W) — BORING/MONITORING WELL ID
BORING TRANSPOSED (TP)
IN FEET EAST (E) OR WEST (W) OF CROSS-SECTION LINE.

STRATIGRAPHIC CONTACT|
DASHED WHERE APPROXIMATE

CHEN-NORTHERN INC. SOIL SAMPLE (1994)

FARALLON SOIL SAMPLE (2015 AND 2017)

FARALLON GROUNDWATER SAMPLE (2015 AND 2017)

GROUNDWATER ELEVATION

WELL SCREEN INTERVALS

2' / 0' / 10'

ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER (µg/l)

[<100|<0.2|<1.0|0.24|0.55] GROUNDWATER ANALYTICAL RESULT [GRO|B|T|E|X]

ALL SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

[2.4|20|170|33|240] SOIL ANALYTICAL RESULT [GRO|B|T|E|X]

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS

BTEX = BENZENE | TOLUENE | ETHYLBENZENE | AND XYLENES

< = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY REPORTING LIMIT

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FIGURE 5

CROSS-SECTION B-B'
KELLOGGS KORNER
EMERALD AND MIDVALE ROADS
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

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LEGEND

- MONITORING WELL (FARALLON, 2017)
- RECOVERY WELL (CHEN-NORTHERN INC., 1992)
- MONITORING WELL HISTORICAL (CHEN-NORTHERN INC., 1991)
- RECOVERY WELL HISTORICAL (CHEN-NORTHERN INC., 1992)
- BORING (FARALLON, 2015)
- BORING (CHEN-NORTHERN INC., 1991)
- GROUNDWATER TRENCH
- APPROXIMATE PROPERTY BOUNDARY
- *220901-22405* YAKIMA COUNTY PARCEL IDENTIFIER
- **88.63** GROUNDWATER ELEVATION (OCTOBER 23, 2017)
- **87.0** APPROXIMATE GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

0 25 50
SCALE IN FEET

N

NOTE: LOCATIONS ARE APPROXIMATE

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FIGURE 6

GROUNDWATER ELEVATION CONTOURS
OCTOBER 23, 2017
KELLOGGS KORNER
EMERALD AND MIDVALE ROADS
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

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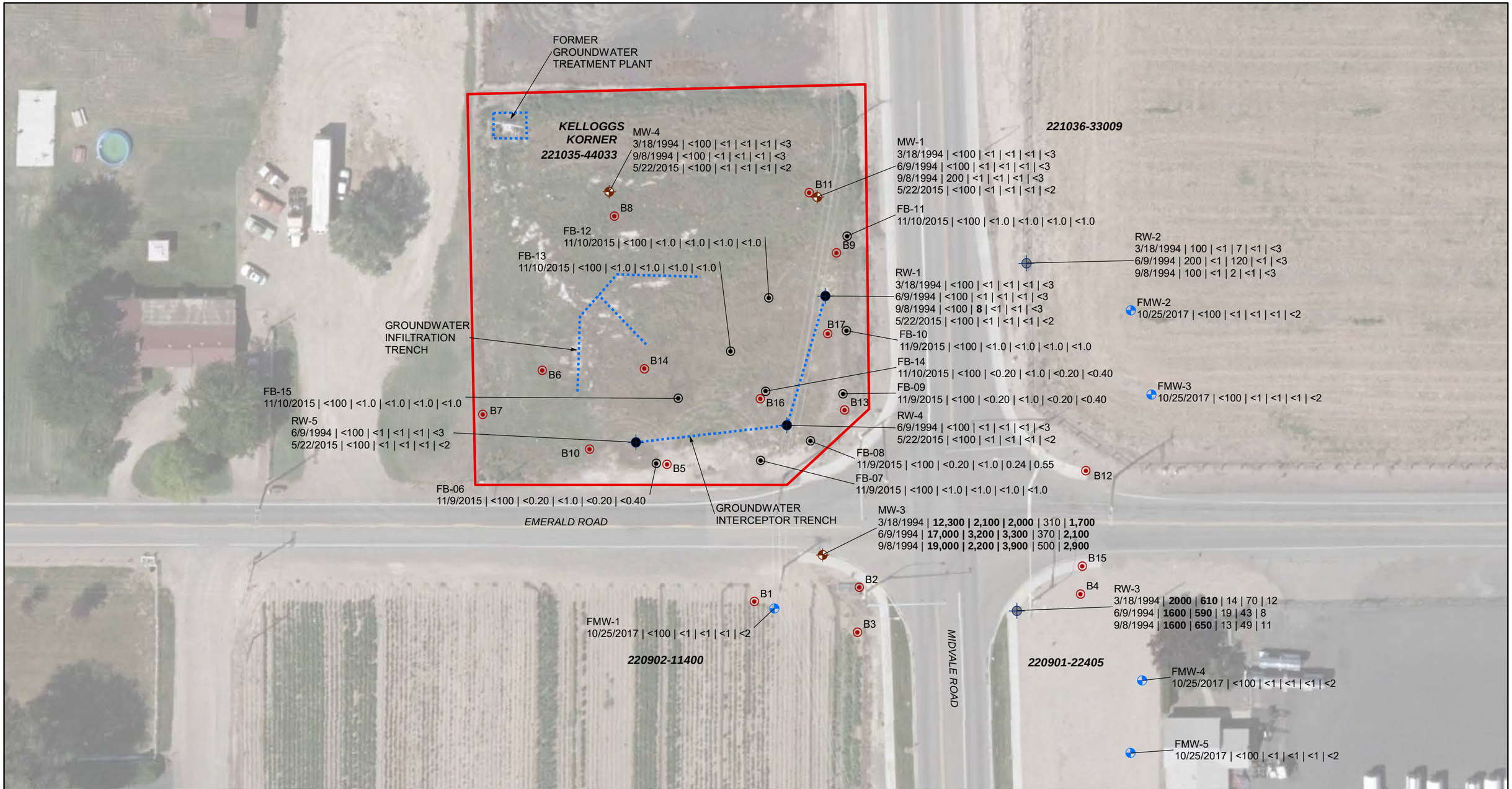

LEGEND

- MONITORING WELL (FARALLON, 2017)
- RECOVERY WELL (CHEN-NORTHERN INC., 1992)
- MONITORING WELL HISTORICAL (CHEN-NORTHERN INC., 1991)
- RECOVERY WELL HISTORICAL (CHEN-NORTHERN INC., 1992)
- BORING (FARALLON, 2015)
- BORING (CHEN-NORTHERN INC., 1991)
- GROUNDWATER TRENCH
- APPROXIMATE PROPERTY BOUNDARY
- 220901-22405 YAKIMA COUNTY PARCEL IDENTIFIER

NOTES:
GROUNDWATER RESULTS REPORTED AS:
DATE SAMPLED | GRO | BENZENE | TOLUENE | ETHYLBENZENE | XYLENES
CONCENTRATIONS SHOWN IN MICROGRAMS PER LITER

GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
BOLD = RESULTS DENOTE CONCENTRATIONS EXCEEDING THE MODEL TOXICS CONTROL ACT (MTCA) CLEANUP LEVEL
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED

LOCATIONS ARE APPROXIMATE

N

0 50
SCALE IN FEET

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Issaquah | Bellingham | Seattle
Oregon
Portland | Bend | Baker City
California
Oakland | Sacramento | Irvine

FIGURE 7

SITE PLAN SHOWING GROUNDWATER ANALYTICAL RESULTS
KELLOGGS KORNER
EMERALD AND MIDVALE ROADS
SUNNYSIDE, WASHINGTON

FARALLON PN: 1432-001

Drawn By: pemahiser | Checked By: JR | Date: 3/30/2018 | Disc Reference:
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TABLES

REMEDIAL INVESTIGATION REPORT
Kelloggs Korner
Midvale and Emerald Roads
Sunnyside, Washington

Farallon PN: 1432-001

Table 1
Soil Analytical Results - Petroleum Hydrocarbons and VOCs
Kelloggs 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]	Ethylbenzene[3]	Xylenes[3]	EDB[4]	EDC[4]	MTBE[4]
Boring #1	191-1997-1	Chen-Northern, Inc.	09/20/91	--	<0.7	<0.006	<0.006	<0.006	<0.006	NA	NA	NA
Boring #2	191-1997-2 Boring #2			**6.4**	**580**	**<0.52**	0.59	0.97	6.2	NA	NA	NA
Boring #3	191-1997-3 Boring #3			**11.0**	<0.6	<0.004	<0.004	<0.004	<0.004	NA	NA	NA
Boring #4	--			**7.6**	<0.6	<0.002	<0.002	<0.002	<0.002	NA	NA	NA
Boring #5	191-1997-5 Boring #5			**5.7**	**280**	**<0.5**	6.2	13.0	**16.0**	NA	NA	NA
	191-1997-5 Boring #5 10.6			**10.6**	<0.6	<0.003	<0.003	<0.003	<0.003	NA	NA	NA
Boring #6	191-1997-1 Boring #6			**5.0**	<0.6	<0.003	<0.003	<0.003	<0.003	NA	NA	NA
Boring #7	191-1997-2 Boring #7			**6.0**	<0.6	<0.003	<0.003	<0.003	<0.003	NA	NA	NA
Boring #8	191-1997-3 Boring #8			**7.0**	<0.6	<0.004	<0.004	<0.004	<0.004	NA	NA	NA
Boring #9	191-1997-4 Boring #9			**7.0**	**860**	**0.73**	2.4	5.2	**33.0**	NA	NA	NA
Boring #10	191-1997-5 Boring #10			**6.0**	<0.6	<0.004	<0.004	<0.004	<0.003	NA	NA	NA
Boring #11	--			**8.0**	<0.7	<0.006	<0.006	<0.006	<0.006	NA	NA	NA
Boring #12	191-1997-2			**12.5**	<0.6	<0.006	<0.006	<0.006	<0.006	NA	NA	NA
Boring #13	191-1997-3			**6.9**	2.4	**20**	**170**	**33**	**240**	NA	NA	NA
	191-1997-4			**10.6**	24	**1.7**	6.6	1.8	**10**	NA	NA	NA
Boring #14	191-1997-5			**4.7**	1.1	<0.006	<0.006	<0.006	<0.006	NA	NA	NA
Boring #15	191-1997-6			**10.1**	<0.6	<0.006	<0.006	<0.006	<0.006	NA	NA	NA
Boring #16	--			**6.0**	**240**	**1.39**	4.56	0.92	7.2	NA	NA	NA
Boring #17	--			**6.0**	5	**0.055**	0.082	0.088	0.394	NA	NA	NA
MTCA Method A Cleanup Levels for Soil[5]					**30/100**	**0.03**	**7**	**6**	**9**	**0.005**	**0.0232**	**0.1**

Table 1
Soil Analytical Results - Petroleum Hydrocarbons and VOCs
Kelloggs 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]	Ethylbenzene[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	NA	NA	NA
	FB-6-15.3-110915			**15.3**	<6.5	<0.020	<0.065	<0.065	<0.065	NA	NA	NA
FB-07	FB-7-11.5-110915			**11.5**	31	<0.020	<0.071	<0.071	0.13	NA	NA	NA
	FB-7-15.5-110915			**15.5**	<6.9	<0.020	<0.069	<0.069	<0.069	NA	NA	NA
FB-08	FB-8-10.3-110915			**10.3**	<13	<0.0014	<0.0071	<0.0014	<0.0042	<0.0014	<0.0014	<0.0014
	FB-8-15.0-110915			**15**	<6.3	<0.020	<0.063	<0.063	<0.063	NA	NA	NA
FB-09	FB-9-10.3-110915			**10.3**	<6.0	<0.00091	<0.0046	<0.00091	<0.00271	<0.00091	<0.00091	<0.00091
	FB-9-16.0-110915			**16**	<6.5	<0.020	<0.065	<0.065	<0.065	NA	NA	NA
FB-10	FB-10-10.1-110915			**10.1**	<7.8	<0.020	<0.078	<0.078	<0.078	NA	NA	NA
	FB-10-15.0-110915			**15**	<6.1	<0.020	<0.061	<0.061	<0.061	NA	NA	NA
FB-11	FB-11-10.0-111015		11/10/15	**10**	<6.2	<0.020	<0.062	<0.062	<0.062	NA	NA	NA
	FB-11-13.5-111015			**13.5**	<6.4	<0.020	<0.064	<0.064	<0.064	NA	NA	NA
FB-12	FB-12-10.0-111015			**10**	<6.7	<0.020	<0.067	<0.067	<0.067	NA	NA	NA
	FB-12-16.7-111015			**16.7**	<6.1	<0.020	<0.061	<0.061	<0.061	NA	NA	NA
FB-13	FB-13-10.0-111015			**10**	<7.0	<0.020	<0.070	<0.070	<0.070	NA	NA	NA
	FB-13-13.8-111015			**13.8**	<6.8	<0.020	<0.068	<0.068	<0.068	NA	NA	NA
FB-14	FB-14-12.0-111015			**12**	<5.9	<0.00093	<0.0046	<0.059	<0.179	<0.059	<0.00093	<0.00093
	FB-14-17.7-111015			**17.7**	<5.5	<0.020	<0.055	<0.055	<0.055	NA	NA	NA
FB-15	FB-15-10.0-111015			**10**	<7.3	<0.020	<0.073	<0.073	<0.073	NA	NA	NA
	FB-15-16.0-111015			**16**	<7.1	<0.020	<0.071	<0.071	<0.071	NA	NA	NA
FMW-1	FMW-1-7.5		10/17/17	**7.5**	<6.7	<0.020	<0.067	<0.067	<0.134	NA	NA	NA
	FMW-1-15.0			**15.0**	<7.7	<0.020	<0.077	<0.077	<0.154	NA	NA	NA
FMW-2	FMW-2-11.0		10/16/17	**11.0**	<7.8	<0.020	<0.078	<0.078	<0.156	NA	NA	NA
	FMW-2-15.0			**15.0**	<7.0	<0.020	<0.070	<0.070	<0.140	NA	NA	NA
FMW-3	FMW-3-7.0			**7.0**	<7.2	<0.020	<0.072	<0.072	<0.144	NA	NA	NA
	FMW-3-15.0			**15.0**	<7.3	<0.020	<0.073	<0.073	<0.146	NA	NA	NA
FMW-4	FMW-4-6.0		10/17/17	**6.0**	<5.7	<0.020	<0.057	<0.057	<0.114	NA	NA	NA
	FMW-4-13.0			**13.0**	<7.7	<0.020	<0.077	<0.077	<0.154	NA	NA	NA
FMW-5	FMW4-6.0			**6.0**	<6.2	<0.020	<0.062	<0.062	<0.124	NA	NA	NA
	FMW-4-14.0			**14.0**	<7.2	<0.020	<0.072	<0.072	<0.144	NA	NA	NA
MTCA Method A Cleanup Levels for Soil[5]					**30/100**	**0.03**	**7**	**6**	**9**	**0.005**	**0.0232**	**0.1**

NOTES:

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

NA 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 Methods 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
Summary of Groundwater Elevation Data
Kelloggs Korner
Sunnyside, Washington
Farallon PN: 1432-001

Well Identification	Monitoring Date	Depth of Monitoring Well (feet)	Monitoring Well Screened Interval (feet bgs)	Wellhead Elevation [1] (feet)	Depth to Water (below TOC)	Groundwater Elevation (feet)
FMW-1	10/24/2017	16.91	4-14	100.77	12.10	88.67
FMW-2		16.50	4-14	102.00	12.71	89.29
FMW-3		17.86	5-15	101.85	13.22	88.63
FMW-4		14.62	5-15	100.00	13.05	86.95
FMW-5		14.75	5-15	99.49	13.16	86.33

NOTES

[1]Elevation in feet based on an assumed 100-foot arbitrary datum.

bgs = below ground surface
NA = not available
NC = not calculated
TOC = top of casing

Table 3
Groundwater Analytical Results - Petroleum Hydrocarbons
Kelloggs Korner
Sunnyside, Washington
Farallon PN: 1432-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)							
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]	Total Lead
Groundwater Samples										
PRW-1	3/18/1994	RW #1	NA	NA	<100	<1	<1	<1	<3	NA
	6/9/1994	6994415PMW1	NA	NA	<100	<1	<1	<1	<3	<50
	9/8/1994	RW#1	NA	NA	<100	**8**	<1	<1	<3	<10
	5/22/2015	RW-1-052215	<260	<410	<100	<1	<1	<1	<2	<1.1
PRW-2	3/18/1994	RW #2	NA	NA	100	<1	7	<1	<3	NA
	6/9/1994	6994520PRW2	NA	NA	200	<1	120	<1	<3	<50
	9/8/1994	RW#2	NA	NA	100	<1	2	<1	<3	<10
PRW-3	3/18/1994	RW #3	NA	NA	**2000**	**610**	14	70	12	NA
	6/9/1994	6994540PRW3	NA	NA	**1600**	**590**	19	43	8	<50
	9/8/1994	RW#3	NA	NA	**1600**	**650**	13	49	11	<10
PRW-4	6/9/1994	6994345PMW4	NA	NA	<100	<1	<1	<1	<3	<50
	5/22/2015	RW-4-052215	<250	<410	<100	<1	<1	<1	<2	<1.1
PRW-5	6/9/1994	6994440PRW5	NA	NA	<100	<1	<1	<1	<3	<50
		DUPLICATE 152295	NA	NA	<100	<1	<1	<1	<3	NA
	5/22/2015	RW-5-052215	<260	<410	<100	<1	<1	<1	<2	<1.1
MW-1	3/18/1994	MW #1	NA	NA	<100	<1	<1	<1	<3	NA
	6/9/1994	6994440PRW1	NA	NA	<100	<1	<1	<1	<3	<50
	9/8/1994	MW#1	NA	NA	200	<1	<1	<1	<3	<10
		DUPLICATE 154795	NA	NA	<100	<1	<1	<1	<3	<10
	5/22/2015	MW-1-052215	<260	<410	<100	<1	<1	<1	<2	<1.1
MW-3	3/18/1994	MW #3	NA	NA	**12300**	**2100**	**2000**	310	**1700**	NA
		MW#10	NA	NA	**12300**	**2200**	**2100**	330	**1700**	NA
	6/9/1994	6994510PMW3	NA	NA	**17000**	**3200**	**3300**	370	**2100**	<50
	9/8/1994	MW#3	NA	NA	**19000**	**2200**	**3900**	**500**	**2900**	20
		MW#10	NA	NA	**20000**	**2100**	480	**3700**	**2800**	<10
MW-4	3/18/1994	MW #4	NA	NA	<100	<1	<1	<1	<3	NA
	9/8/1994	MW#4	NA	NA	<100	<1	<1	<1	<3	<10
	5/22/2015	MW-4-052215	<260	<410	<100	<1	<1	<1	<2	<1.1
FMW-1	10/25/2017	FMW-1-102517	NA	NA	<100	<1	<1	<1	<2	NA
FMW-2	10/25/2017	FMW-2-102517	NA	NA	<100	<1	<1	<1	<2	NA
FMW-3	10/25/2017	FMW-3-102517	NA	NA	<100	<1	<1	<1	<2	NA
FMW-4	10/25/2017	FMW-4-102517	NA	NA	<100	<1	<1	<1	<2	NA
FMW-5	10/25/2017	FMW-5-102517	NA	NA	<100	<1	<1	<1	<2	NA
MTCA Method A Cleanup Level for Groundwater[4]			**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**	**15**

Table 3
Groundwater Analytical Results - Petroleum Hydrocarbons
Kelloggs Korner
Sunnyside, Washington
Farallon PN: 1432-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)							
			DRO[1]	ORO[1]	GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]	Total Lead
Reconnaissance Groundwater Samples										
FB-06	11/09/15	FB-6-GW-110915	NA	NA	<100	<0.20	<1.0	<0.20	<0.40	NA
FB-07	11/09/15	FB-7-GW-110915	NA	NA	<100	<1.0	<1.0	<1.0	<1.0	NA
FB-08	11/09/15	FB-8-GW-110915	NA	NA	<100	<0.20	<1.0	0.24	0.55	NA
FB-09	11/09/15	FB-9-GW-110915	NA	NA	<100	<0.20	<1.0	<0.20	<0.40	NA
FB-10	11/09/15	FB-10-GW-110915	NA	NA	<100	<1.0	<1.0	<1.0	<1.0	NA
FB-11	11/10/15	FB-11-GW-111015	NA	NA	<100	<1.0	<1.0	<1.0	<1.0	NA
FB-12	11/10/15	FB-12-GW-111015	NA	NA	<100	<1.0	<1.0	<1.0	<1.0	NA
FB-13	11/10/15	FB-13-GW-111015	NA	NA	<100	<1.0	<1.0	<1.0	<1.0	NA
FB-14	11/10/15	FB-14-GW-111015	NA	NA	<100	<0.20	<1.0	<0.20	<0.40	NA
FB-15	11/10/15	FB-15-GW-111015	NA	NA	<100	<1.0	<1.0	<1.0	<1.0	NA
MTCA Method A Cleanup Level for Groundwater[4]			**500**	**500**	**800/1,000[5]**	**5**	**1,000**	**700**	**1,000**	**15**

NOTES:

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

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

[1]Analyzed by Northwest Method NWTPH-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 amended 2013.

[5]Cleanup level is 800 micrograms per liter if benzene is detected and 1,000 micrograms per liter if benzene is not detected.

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

Table 4
Groundwater Analytical Results - VOCs
Kelloggs Korner
Sunnyside, Washington
Farallon PN: 1432-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]		
			1-2,Dibromoethane (EDB)[4]	1-2,Dichloroethane (EDC)[5]	Methyl tertiary-butyl ether (MTBE)[5]
Groundwater Samples					
PRW-1	3/18/1994	NA	NA	NA	NA
	6/9/1994	6994415PMW1	NA	NA	NA
	9/8/1994	RW#1	NA	NA	NA
	5/22/2015	RW-1-052215	**<0.20**	<0.20	NA
PRW-2	3/18/1994	NA	NA	NA	NA
	6/9/1994	6994520PRW2	NA	NA	NA
	9/8/1994	RW#2	NA	NA	NA
PRW-3	3/18/1994	NA	NA	NA	NA
	6/9/1994	6994540PRW3	NA	NA	NA
	9/8/1994	RW#3	NA	NA	NA
PRW-4	6/9/1994	6994345PMW4	NA	NA	NA
	5/22/2015	RW-4-052215	**<0.20**	<0.20	NA
PRW-5	6/9/1994	6994440PRW5	NA	NA	NA
		DUPLICATE 152295	NA	NA	NA
	5/22/2015	RW-5-052215	**<0.20**	<0.20	NA
MW-1	3/18/1994	NA	NA	NA	NA
	6/9/1994	6994440PRW1	NA	NA	NA
	9/8/1994	MW#1	NA	NA	NA
		DUPLICATE 154795	NA	NA	NA
	5/22/2015	MW-1-052215	**<0.20**	<0.20	NA
MW-3	3/18/1994	NA	NA	NA	NA
		NA	NA	NA	NA
	6/9/1994	6994510PMW3	NA	NA	NA
	9/8/1994	MW#3	NA	NA	NA
		MW#10	NA	NA	NA
MW-4	3/18/1994	NA	NA	NA	NA
	9/8/1994	MW#4	NA	NA	NA
	5/22/2015	MW-4-052215	**<0.20**	<0.20	NA
FMW-1	10/25/2017	FMW-1-102517	NA	NA	NA
FMW-2	10/25/2017	FMW-2-102517	NA	NA	NA
FMW-3	10/25/2017	FMW-3-102517	NA	NA	NA
FMW-4	10/25/2017	FMW-4-102517	NA	NA	NA
FMW-5	10/25/2017	FMW-5-102517	NA	NA	NA
MTCA Cleanup Levels for Groundwater[2]			**0.01[2]**	**5[2]**	**20[2]**

Table 4
Groundwater Analytical Results - VOCs
Kelloggs Korner
Sunnyside, Washington
Farallon PN: 1432-001

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]		
			1-2,Dibromoethane (EDB)[4]	1-2,Dichloroethane (EDC)[5]	Methyl tertiary-butyl ether (MTBE)[5]
Reconnaissance Groundwater Samples					
FB-06	11/09/15	FB-6-GW-110915	<0.0096	<0.20	<0.20
FB-07	11/09/15	FB-7-GW-110915	NA	NA	NA
FB-08	11/09/15	FB-8-GW-110915	<0.0097	<0.20	<0.20
FB-09	11/09/15	FB-9-GW-110915	<0.0096	<0.20	<0.20
FB-10	11/09/15	FB-10-GW-110915	NA	NA	NA
FB-11	11/10/15	FB-11-GW-111015	NA	NA	NA
FB-12	11/10/15	FB-12-GW-111015	NA	NA	NA
FB-13	11/10/15	FB-13-GW-111015	NA	NA	NA
FB-14	11/10/15	FB-14-GW-111015	<0.0096	<0.20	<0.20
FB-15	11/10/15	FB-15-GW-111015	NA	NA	NA
MTCA Cleanup Levels for Groundwater[2]			**0.01[2]**	**5[2]**	**20[2]**

NOTES:

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

VOC = volatile organic compound

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

[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 2013, unless otherwise noted.

[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/CLARCHome.aspx

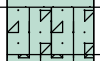
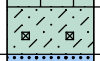
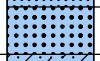
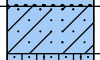
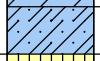
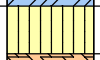
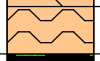
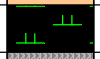
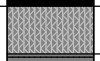
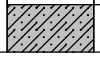
APPENDIX A
FARALLON'S BORING AND WELL CONSTRUCTION LOGS

REMEDIAL INVESTIGATION REPORT
Kelloggs Korner
Midvale and Emerald Roads
Sunnyside, Washington

Farallon PN: 1432-001

FARALLON CONSULTING

USCS Classification and Graphic Legend

Major Divisions			USCS Graphic Symbol	USCS Letter Symbol	Lithologic Description
Coarse-Grained Soil (More than 50% of material is larger than No. 200 sieve size)	GRAVEL AND GRAVELLY SOIL (More than 50% of coarse fraction retained on No. 4 sieve)	CLEAN GRAVEL (Little or no fines)		GW	Well graded GRAVEL, well graded GRAVEL with sand
				GP	Poorly graded GRAVEL, GRAVEL with sand
		GRAVEL WITH FINES (Appreciable amount of fines)		GP-GM	Poorly graded GRAVEL - GRAVEL with sand and silt
				GM	Silty GRAVEL
				GC	Clayey GRAVEL
	SAND AND SANDY SOIL (More than 50% of coarse fraction passed through No. 4 sieve)	CLEAN SAND (Little or no fines)		SW	Well graded SAND
				SP	Poorly graded SAND
		SAND WITH FINES (Appreciable amount of fines)		SP-SM	Poorly graded SAND - silty SAND
				SM	Silty SAND
				SC	Clayey SAND
				SM-ML	SILT - Silty SAND
Fine-Grained Soil (More than 50% of material is smaller than No. 200 sieve size)	SILT AND CLAY (Liquid limit less than 50)			ML	SILT
				CL	CLAY
				OL	Organic SILT
	SILT AND CLAY (Liquid limit greater than 50)			MH	Inorganic SILT
				CH	Inorganic CLAY
				OH	Organic CLAY
		Highly Organic Soil		PT	Peat
OTHER MATERIALS	PAVEMENT			AC	Asphalt concrete
				CO	Concrete
	OTHER			RK	Bedrock
				WD	Wood Debris
				DB	Debris (Miscellaneous)
				PC	Portland cement

Legend

- Sample Interval
- G — Grab Sample Interval
- Water level at time of drilling
- Water level at time of sampling
- Blank Casing
- Screened Casing
- Cement Grout
- Bentonite
- Sand Pack
- Well Cap

_____ Solid line indicates sharp contact between units well defined.

_ _ _ _ _ _ _ Dashed line indicates gradational contact between units.

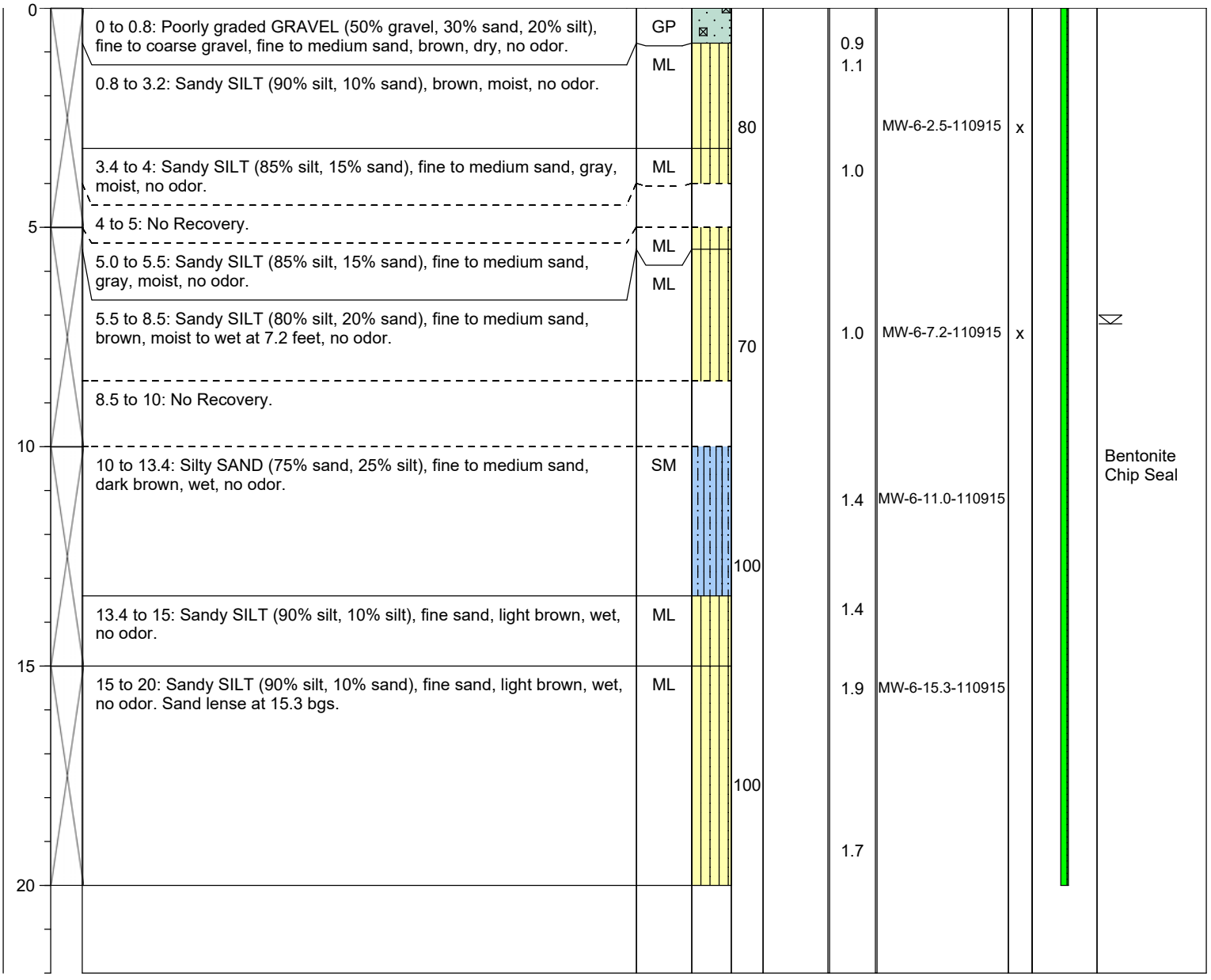
feet bgs = feet below ground surface
NE = Not Encountered
NA = Not Applicable
PID = Photoionization Detector
PN = Project Number
*ppm = parts per million total organic vapors in isobutylene equivalents using a 10.6 electron volt lamp
USCS = Unified Soil Classification System

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.)	Lithologic Description	USCS	% Recovery	PID (ppm)	Sample ID	Sample Analyzed
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	
	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	
		14.3 to 15: No Recovery.					2.1			
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.)	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 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							
		1.3 to 2: Sandy SILT (85% silt, 15% sand), fine to medium sand, brown, moist, no odor.	ML		40					
		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				2.5			
		6.1 to 10: No Recovery.			22					
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	Bentonite Chip Seal
		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		100		3.1	MW-8-15.0-110915		
20							2.1	MW-8-20.0-110915		

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.)	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 0.3: 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	**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:** 46.30224

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.)	Lithologic Description	USCS	% Recovery	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	76	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					
	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	80	1.8	MW-10-10.1-110915	x	Bentonite Chip Seal
				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	100	1.7	MW-10-15.0-110915	x	
				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	Boring/Well Construction Details
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					
	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	68				
	3.4 to 5: No Recovery.			1.2			
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				
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	1.4 0.9	MW-11-10.0 -111015 MW-11-11.1 -111015	x	Bentonite Chip Seal
	13.6 to 15: Silty SAND (70% sand, 30% silt), fine to medium sand, brown, wet, no odor.	SM		1.2	MW-11-13.5 -111015	x	
15	15 to 15.2: Silty SAND (70% sand, 30% silt), fine to medium sand, brown, wet, no odor.	SM		1.0			
	15.2 to 20: Sandy SILT (85% sand, 15% silt), fine sand, brown, wet, no odor.	ML	100	1.1			
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:** 46.30247

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.)	Lithologic Description	USCS	% Recovery	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					
	7.8 to 9.3: Silty SAND (70% sand, 30% silt), fine to medium sand, brown, wet, no odor.	SM	86	2.0	MW-13-7.8 -111015		
10	9.3 to 10: No Recovery.						
	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
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:	-120.0206
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		1.3		
	2.5 to 5: No Recovery.		50	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.	ML	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.	SM	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

FARALLON CONSULTING

Log of Boring: FMW-1

Client: Davis Wright Tremaine LLP
Project: Kelloggs Korner
Location: Sunnyside, WA

Farallon PN: 1432-001

Logged By: A. Burns

Date/Time Started:	10/16/17 @ 17:50	**Sampler Type:**	5' Macrocore
Date/Time Completed:	10/17/17 @ 9:30	**Drive Hammer (lbs.):**	Auto
Equipment:	GeoProbe 7822DT	**Depth of Water ATD (ft bgs):**	~6.0
Drilling Company:	Holt Drilling	**Total Boring Depth (ft bgs):**	15.0
Drilling Foreman:	M. Running	**Total Well Depth (ft bgs):**	14.0
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-3.0': No recovery. Cleared for utilities.								Concrete
		3.0-3.5': SILT (95% silt, 5% sand), fine to medium sand, brown, moist-wet, no odor. Moisture in soil due to shallow irrigation system.	ML				0.1	FMW-1-3.0		Bentonite
		3.5-5.0': No recovery. Cleared for utilities.								
5		5.0-6.9': SILT (100% silt),trace sand, brown, moist, wet at 6.0' bgs, no odor.	ML		64		0.4	FMW-1-5.5		Sand Pack
		6.9-8.2': SILT (90% silt, 10% sand), fine to medium sand, brown, wet, no odor.	ML				0.1	FMW-1-7.5	X	Water Level
		8.2-10.0': No recovery.								
10		10.0-13.4': Silty SAND (85% sand, 15% silt), fine to medium sand, brown, wet, no odor.	SM		100		0.4	FMW-1-11.0		Screen
		13.4-14.8': SILT (90% silt, 10% sand), fine to medium sand, brown, wet, n odor.	ML							
15		14.8-15.0': Silty SAND (85% sand, 15% silt), fine to medium sand, brown, wet, no odor.	SM				0.3	FMW-1-15.0	X	Sand Pack

Well Construction Information

Monument Type:	Stick Up	**Filter Pack:**	10-20 Sand Pre-Pack
Casing Diameter (inches):	2	**Surface Seal:**	Concrete
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite
Screened Interval (ft bgs):	4-14	**Boring Abandonment:**	NA

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

Log of Boring: FMW-2

Client: Davis Wright Tremaine LLP
Project: Kelloggs Korner
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: A. Burns

Date/Time Started:	10/16/17 @ 14:30	**Sampler Type:**	5' Macrocore
Date/Time Completed:	10/16/17 @ 16:00	**Drive Hammer (lbs.):**	Auto
Equipment:	GeoProbe 7822DT	**Depth of Water ATD (ft bgs):**	~5.6
Drilling Company:	Holt Drilling	**Total Boring Depth (ft bgs):**	15.0
Drilling Foreman:	M. Running	**Total Well Depth (ft bgs):**	14.0
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': No recovery. Cleared for utilities.								Concrete
										Bentonite
5		5.0-9.2': SILT (95% silt, 5% sand), fine sand, brown, moist, wet at 5.6', no odor.	ML		84		1.3	FMW-2-5.0		Water Level
							0.3	FMW-2-7.0		Sand Pack
		9.2-10.0': No recovery.								
10		10.0-15.0': SILT (95% silt, 5% sand), fine sand, brown, wet, no odor.	ML		100		1.3	FMW-2-11.0	X	Screen
15							0.2	FMW-2-15.0	X	Sand Pack

Well Construction Information

Monument Type:	Stick Up	**Filter Pack:**	10-20 Sand Pre-Pack	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	2	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	4-14	**Boring Abandonment:**	NA		**Y:** NA

Log of Boring: FMW-3

Client: Davis Wright Tremaine LLP
Project: Kelloggs Korner
Location: Sunnyside, WA
Farallon PN: 1432-001
Logged By: A. Burns

Date/Time Started:	10/16/17 @ 11:30	**Sampler Type:**	5' Macrocore
Date/Time Completed:	10/16/17 @ 14:30	**Drive Hammer (lbs.):**	Auto
Equipment:	GeoProbe 7822DT	**Depth of Water ATD (ft bgs):**	~6.3
Drilling Company:	Holt Drilling	**Total Boring Depth (ft bgs):**	15.0
Drilling Foreman:	M. Running	**Total Well Depth (ft bgs):**	15.0
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-5.0': No recovery. Cleared for utilities.								Concrete
										Bentonite
5		5.0-9.2': SILT (100% silt), trace sand, brown, moist, wet at 6.3', no odor.	ML		84		0.2	FMW-3-5.5		
										Water Level
							1.1	FMW-3-7.0	X	
										Sand Pack
		9.2-10.0': No recovery.								
10		10.0-15.0': SILT (100% silt), very fine sand, brown, wet, no odor.	ML		100					Screen
15							1.2	FMW-3-15.0	X	

Well Construction Information

Monument Type:	Stick Up	**Filter Pack:**	10-20 Sand Pre-Pack	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	2	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	5-15	**Boring Abandonment:**	NA		**Y:** NA

FARALLON CONSULTING

Log of Boring: FMW-4

Client: Davis Wright Tremaine LLP
Project: Kelloggs Korner
Location: Sunnyside, WA

Farallon PN: 1432-001

Logged By: A. Burns

Date/Time Started:	10/17/17 @ 11:30	**Sampler Type:**	5' Macrocore
Date/Time Completed:	10/17/17 @ 10:00	**Drive Hammer (lbs.):**	Auto
Equipment:	GeoProbe 7822DT	**Depth of Water ATD (ft bgs):**	~11.4
Drilling Company:	Holt Drilling	**Total Boring Depth (ft bgs):**	20.0
Drilling Foreman:	M. Running	**Total Well Depth (ft bgs):**	15.0
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-3.0': No recovery. Cleared for utilities.								Concrete
		3.0-3.5': Silty SAND (60% sand, 40% silt), fine sand, brown, moist, no odor.	SM				0.3	FMW-4-3.0		Bentonite
		3.5-5.0': No recovery. Cleared for utilities.								
5		5.0-8.1': Silty SAND (60% sand, 40% silt), fine sand, brown, moist, no odor.	SM		62		1.5	FMW-4-6.0	X	Sand Pack
		8.1-10.0': No recovery.								Screen
10		10.0-11.4': SILT (95% silt, 5% sand), fine sand, brown, wet, no odor.	ML		100		1.0	FMW-4-10.5		Water Level
		11.4-15.0': SILT (95% silt, 5% sand), fine sand, brown, wet, no odor.	ML				0.6	FMW-4-13.0	X	
15		15.0-15.6': Poorly graded SAND with silt (90% sand, 10% silt), fine to medium sand, brown, moist, no odor.	SP-SM		100					Sand Pack
		15.6-20.0': SILT (95% silt, 5% sand), fine sand, brown, wet, moist from 18.5 to 20.0', no odor.	ML							Sand Pack
20							0.8	FMW-4-20.0		

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	10-20 Sand Pre-Pack	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	2	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	5-15	**Boring Abandonment:**	NA		**Y:** NA

FARALLON CONSULTING

Log of Boring: FMW-5

Client: Davis Wright Tremaine LLP
Project: Kelloggs Korner
Location: Sunnyside, WA

Farallon PN: 1432-001

Logged By: A. Burns

Date/Time Started:	10/17/17 @ 11:30	**Sampler Type:**	5' Macrocore
Date/Time Completed:	10/17/17 @ 12:30	**Drive Hammer (lbs.):**	Auto
Equipment:	GeoProbe 7822DT	**Depth of Water ATD (ft bgs):**	~11.0
Drilling Company:	Holt Drilling	**Total Boring Depth (ft bgs):**	15.0
Drilling Foreman:	M. Running	**Total Well Depth (ft bgs):**	15.0
Drilling Method:	Direct Push		

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-3.0': No recovery. Cleared for utilities.								Concrete
		3.0-3.5': Silty SAND (60% sand, 40% silt), fine sand, brown, moist, no odor.	SM				0.7	FMW-5-3.0		Bentonite
		3.5-5.0': No recovery. Cleared for utilities.								
5		5.0-8.0': Poorly graded SAND (95% sand, 5% silt), fine to medium sand, light to dark brown, moist, no odor.	SP		60		1.3	FMW-5-6.0	X	Sand Pack
		8.0-10.0': No recovery.								Screen
10		10.0-11.0': Poorly graded SAND (95% sand, 5% silt), fine to medium sand, brown, moist, no odor.	SP		88		0.8	FMW-5-10.5		Water Level
		11.0-13.0': SILT (100% silt), brown, wet, no odor.	ML							
		13.0-13.8': Poorly graded SAND (95% sand, 5% silt), fine to medium sand, brown, wet, no odor.	SP							
		13.8-14.8': SILT (100% silt), trace sand lenses, brown, moist, no odor.	ML				0.4	FMW-5-14.0	X	
15		14.8-15.0': No recovery.								

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	10-20 Sand Pre-Pack	**Ground Surface Elevation (ft):**	NA
Casing Diameter (inches):	2	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (inches):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** NA
Screened Interval (ft bgs):	5-15	**Boring Abandonment:**	NA		**Y:** NA

APPENDIX B
LABORATORY ANALYTICAL REPORTS

REMEDIAL INVESTIGATION REPORT
Kelloggs Korner
Midvale and Emerald Roads
Sunnyside, Washington

Farallon PN: 1432-001

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

June 3, 2015

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

Re: Analytical Data for Project 1432-001
Laboratory Reference No. 1505-223

Dear Joe:

Enclosed are the analytical results and associated quality control data for samples submitted on May 23, 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: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

Case Narrative

Samples were collected on May 22, 2015 and received by the laboratory on May 23, 2015. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that 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: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-5-052215**					
Laboratory ID:	05-223-01					
Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Toluene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
o-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Gasoline	**ND**	100	NWTPH-Gx	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***71-113***				
Client ID:	**MW-4-052215**					
Laboratory ID:	05-223-02					
Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Toluene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
o-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Gasoline	**ND**	100	NWTPH-Gx	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***71-113***				
Client ID:	**MW-1-052215**					
Laboratory ID:	05-223-03					
Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Toluene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
o-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Gasoline	**ND**	100	NWTPH-Gx	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***71-113***				

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-1-052215**					
Laboratory ID:	05-223-04					
Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Toluene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
o-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Gasoline	**ND**	100	NWTPH-Gx	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***71-113***				
Client ID:	**RW-4-052215**					
Laboratory ID:	05-223-05					
Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Toluene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
o-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Gasoline	**ND**	100	NWTPH-Gx	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***85***	***71-113***				

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
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:	MB0527W1					
Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Toluene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Ethyl Benzene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
m,p-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
o-Xylene	**ND**	1.0	EPA 8021B	5-27-15	5-27-15	
Gasoline	**ND**	100	NWTPH-Gx	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***86***	***71-113***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-223-01										
	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						***85***	***86***	***71-113***			
MATRIX SPIKES											
Laboratory ID:	05-223-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**45.7**	**46.8**	50.0	50.0	ND	**91**	**94**	82-120	2	14	
Toluene	**46.5**	**47.3**	50.0	50.0	ND	**93**	**95**	83-120	2	14	
Ethyl Benzene	**46.9**	**47.8**	50.0	50.0	ND	**94**	**96**	83-120	2	15	
m,p-Xylene	**47.7**	**48.2**	50.0	50.0	ND	**95**	**96**	81-123	1	15	
o-Xylene	**47.3**	**47.9**	50.0	50.0	ND	**95**	**96**	80-120	1	16	
Surrogate:											
Fluorobenzene						***85***	***89***	***71-113***			

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-5-052215**					
Laboratory ID:	05-223-01					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	5-29-15	5-29-15	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	5-29-15	5-29-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***81***	***50-150***				
Client ID:	**MW-4-052215**					
Laboratory ID:	05-223-02					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	5-29-15	5-29-15	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	5-29-15	5-29-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***80***	***50-150***				
Client ID:	**MW-1-052215**					
Laboratory ID:	05-223-03					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	5-29-15	5-29-15	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	5-29-15	5-29-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***83***	***50-150***				
Client ID:	**RW-1-052215**					
Laboratory ID:	05-223-04					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	5-29-15	5-29-15	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	5-29-15	5-29-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***80***	***50-150***				
Client ID:	**RW-4-052215**					
Laboratory ID:	05-223-05					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	5-29-15	5-29-15	
Lube Oil Range Organics	**ND**	0.41	NWTPH-Dx	5-29-15	5-29-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***80***	***50-150***				

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	5-29-15	5-29-15	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	5-29-15	5-29-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***79***	***50-150***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-231-01										
	ORIG	DUP									
Diesel Range Organics	**0.288**	**0.287**	NA	NA		NA		NA	0	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						***83***	***83***	***50-150***			

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
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Project: 1432-001

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-5-052215**					
Laboratory ID:	05-223-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloromethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Vinyl Chloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Iodomethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Methylene Chloride	ND	1.0	EPA 8260C	5-27-15	5-27-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroform	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Trichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromodichloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chloroethyl Vinyl Ether	ND	1.5	EPA 8260C	5-27-15	5-27-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-5-052215**					
Laboratory ID:	05-223-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Tetrachloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromoform	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Bromobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***115***	***79-131***				
Toluene-d8	***107***	***80-120***				
4-Bromofluorobenzene	***96***	***80-120***				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4-052215**					
Laboratory ID:	05-223-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloromethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Vinyl Chloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Iodomethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Methylene Chloride	ND	1.0	EPA 8260C	5-27-15	5-27-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroform	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Trichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromodichloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chloroethyl Vinyl Ether	ND	1.5	EPA 8260C	5-27-15	5-27-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4-052215**					
Laboratory ID:	05-223-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Tetrachloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromoform	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Bromobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***118***	***79-131***				
Toluene-d8	***107***	***80-120***				
4-Bromofluorobenzene	***96***	***80-120***				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-052215**					
Laboratory ID:	05-223-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloromethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Vinyl Chloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Iodomethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Methylene Chloride	ND	1.0	EPA 8260C	5-27-15	5-27-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroform	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Trichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromodichloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chloroethyl Vinyl Ether	ND	1.5	EPA 8260C	5-27-15	5-27-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-1-052215**					
Laboratory ID:	05-223-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Tetrachloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromoform	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Bromobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***115***	***79-131***				
Toluene-d8	***108***	***80-120***				
4-Bromofluorobenzene	***98***	***80-120***				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-1-052215**					
Laboratory ID:	05-223-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloromethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Vinyl Chloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Iodomethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Methylene Chloride	ND	1.0	EPA 8260C	5-27-15	5-27-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroform	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Trichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromodichloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chloroethyl Vinyl Ether	ND	1.5	EPA 8260C	5-27-15	5-27-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-1-052215**					
Laboratory ID:	05-223-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Tetrachloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromoform	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Bromobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***116***	***79-131***				
Toluene-d8	***107***	***80-120***				
4-Bromofluorobenzene	***99***	***80-120***				

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
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HALOGENATED VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-4-052215**					
Laboratory ID:	05-223-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloromethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Vinyl Chloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Iodomethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Methylene Chloride	ND	1.0	EPA 8260C	5-27-15	5-27-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroform	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Trichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromodichloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chloroethyl Vinyl Ether	ND	1.5	EPA 8260C	5-27-15	5-27-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	

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Samples Submitted: May 23, 2015
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HALOGENATED VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RW-4-052215**					
Laboratory ID:	05-223-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Tetrachloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromoform	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Bromobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***116***	***79-131***				
Toluene-d8	***110***	***80-120***				
4-Bromofluorobenzene	***96***	***80-120***				

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
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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:	MB0527W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloromethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Vinyl Chloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Iodomethane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Methylene Chloride	ND	1.0	EPA 8260C	5-27-15	5-27-15	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chloroform	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Trichloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromomethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromodichloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chloroethyl Vinyl Ether	ND	1.5	EPA 8260C	5-27-15	5-27-15	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-27-15	5-27-15	

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
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Project: 1432-001

HALOGENATED VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0527W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Tetrachloroethene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Dibromochloromethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Chlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Bromoform	ND	1.0	EPA 8260C	5-27-15	5-27-15	
Bromobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-27-15	5-27-15	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-27-15	5-27-15	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Hexachlorobutadiene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-27-15	5-27-15	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***112***	***79-131***				
Toluene-d8	***107***	***80-120***				
4-Bromofluorobenzene	***94***	***80-120***				

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

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:	SB0527W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.8**	**10.5**	10.0	10.0	108	105	64-138	3	16	
Benzene	**10.6**	**10.5**	10.0	10.0	106	105	76-125	1	14	
Trichloroethene	**10.0**	**9.91**	10.0	10.0	100	99	70-125	1	16	
Toluene	**10.0**	**10.0**	10.0	10.0	100	100	75-125	0	15	
Chlorobenzene	**9.04**	**8.81**	10.0	10.0	90	88	80-140	3	15	
Surrogate:										
Dibromofluoromethane					***111***	***110***	***79-131***			
Toluene-d8					***105***	***107***	***80-120***			
4-Bromofluorobenzene					***96***	***95***	***80-120***			

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

TOTAL LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	05-223-01					
Client ID:	**RW-5-052215**					
Lead	**ND**	1.1	200.8	6-2-15	6-2-15	
Lab ID:	05-223-02					
Client ID:	**MW-4-052215**					
Lead	**ND**	1.1	200.8	6-2-15	6-2-15	
Lab ID:	05-223-03					
Client ID:	**MW-1-052215**					
Lead	**ND**	1.1	200.8	6-2-15	6-2-15	
Lab ID:	05-223-04					
Client ID:	**RW-1-052215**					
Lead	**ND**	1.1	200.8	6-2-15	6-2-15	
Lab ID:	05-223-05					
Client ID:	**RW-4-052215**					
Lead	**ND**	1.1	200.8	6-2-15	6-2-15	

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

TOTAL LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	6-2-15
Date Analyzed:	6-2-15
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0602WM2

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.1

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

TOTAL LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 6-2-15
Date Analyzed: 6-2-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 05-256-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.1	

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

TOTAL LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 6-2-15
Date Analyzed: 6-2-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 05-256-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	111	**106**	95	**104**	94	2	

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

DISSOLVED LEAD
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	05-223-01					
Client ID:	**RW-5-052215**					
Lead	**ND**	1.0	200.8	5-26-15	5-29-15	
Lab ID:	05-223-02					
Client ID:	**MW-4-052215**					
Lead	**ND**	1.0	200.8	5-26-15	5-29-15	
Lab ID:	05-223-03					
Client ID:	**MW-1-052215**					
Lead	**ND**	1.0	200.8	5-26-15	5-29-15	
Lab ID:	05-223-04					
Client ID:	**RW-1-052215**					
Lead	**ND**	1.0	200.8	5-26-15	5-29-15	
Lab ID:	05-223-05					
Client ID:	**RW-4-052215**					
Lead	**ND**	1.0	200.8	5-26-15	5-29-15	

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

DISSOLVED LEAD
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Filtered:	5-26-15
Date Analyzed:	5-29-15
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0526F1

Analyte	Method	Result	PQL
Lead	200.8	**ND**	1.0

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

DISSOLVED LEAD
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 5-29-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 05-202-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**ND**	**ND**	NA	1.0	

Date of Report: June 3, 2015
Samples Submitted: May 23, 2015
Laboratory Reference: 1505-223
Project: 1432-001

DISSOLVED LEAD
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 5-29-15

Matrix: Water
Units: ug/L (ppb)

Lab ID: 05-202-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	200	**189**	95	**190**	95	0	

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

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

Company: Farallon Consulting
Project Number: 1432-001
Project Name: Kellogg's Korner
Project Manager: Joe Rounds
Sampled by: Jerome Chen

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: 05-223

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	Total Lead	Dissolved Lead				% Moisture
1	RW-5-052215	5/22/15	1216	W	9		X		X		X											X	X				
2	MW-4-052215		1317																								
3	MW-1-052215		1417																								
4	RW-1-052215		1524																								
5	RW-4-052215		1616																								

	Signature	Company	Date	Time
Relinquished		Farallon Consulting	5/23/15	1130
Received			5/23/15	1130
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

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 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*				

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-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*				

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-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*				

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-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*				

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-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
Samples Submitted: November 11, 2015
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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*				

Date of Report: November 19, 2015
Samples Submitted: November 11, 2015
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Project: 1432-001

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*			

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

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*				

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

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
Samples Submitted: November 11, 2015
Laboratory Reference: 1511-086
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, MTBE by 8260C; 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 MW-8-20.0-110915 c	11/09/15	1335	soil	5		X	NO													X	X	NO				
12	~~MW~~ FB MW-9-10.3-110915		1436				⊗	- NO BTEX													X	X					X
13	~~MW~~ FB MW-9-12.3-110915		1442					NO															NO				
14	~~MW~~ FB MW-9-16.0-110915		1447				⊗																NO				X
15	~~MW~~ FB MW-10-0.9-110915		1550					NO															NO				
16	~~MW~~ FB MW-10-5.0-110915		1557					NO															NO				
17	~~MW~~ FB MW-10-10.1-110915		1603				⊗																NO				X
18	~~MW~~ FB MW-10-12.0-110915		1609					NO															NO				
19	~~MW~~ FB MW-10-15.0-110915		1618				⊗																NO				X
20	~~MW~~ FB MW-11-10.0-111015	11/10/15	0835				⊗																NO				X

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

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		X													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				/																			
25	FB-MW-12-16.7-111015		0957				⊗																			⊗
26	FB-13-13.8-111015		1133				⊗																			⊗
27	FB-13-7.8-111015		1123				/																			
28	FB-13-10.0-111015		1128				⊗																			⊗
29	FB-14-12.0-111015		1225				⊗																			⊗
30	FB-14-15.0-111015		1235				/																			⊗

	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 (DB 11/11/15)	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	EDC, MTBE 8260C (EDC, MTBE, BTEX)	EDB 8011			% Moisture
1	~~FBMW~~-6-GW-110915	11/09/15	1127	water	7		X	-	NO	BTEX												X	X			
2	~~FBMW~~-7-GW-110915		1234				X															X				
3	~~FBMW~~-8-GW-110915		1344				X	-	NO	BTEX												X	X			
4	~~FBMW~~-9-GW-110915		1456				X	-	NO	BTEX												X	X			
5	~~FBMW~~-10-GW-110915		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) ☐ _____

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

October 25, 2017

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

Re: Analytical Data for Project 1432-001
Laboratory Reference No. 1710-242

Dear Joe:

Enclosed are the analytical results and associated quality control data for samples submitted on October 18, 2017.

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: October 25, 2017
Samples Submitted: October 18, 2017
Laboratory Reference: 1710-242
Project: 1432-001

Case Narrative

Samples were collected on October 16 and 17, 2017 and received by the laboratory on October 18, 2017. 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: October 25, 2017
Samples Submitted: October 18, 2017
Laboratory Reference: 1710-242
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-3-7.0**					
Laboratory ID:	10-242-02					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.072	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.072	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.072	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.072	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	7.2	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*66-130*				
Client ID:	**FMW-3-15.0**					
Laboratory ID:	10-242-03					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.073	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.073	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.073	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.073	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	7.3	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-130*				
Client ID:	**FMW-2-11.0**					
Laboratory ID:	10-242-06					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.078	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.078	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.078	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.078	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	7.8	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*66-130*				

Date of Report: October 25, 2017
Samples Submitted: October 18, 2017
Laboratory Reference: 1710-242
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-2-15.0**					
Laboratory ID:	10-242-07					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.070	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.070	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.070	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.070	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	7.0	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*66-130*				
Client ID:	**FMW-1-7.5**					
Laboratory ID:	10-242-10					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.067	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.067	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.067	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.067	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	6.7	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*66-130*				
Client ID:	**FMW-1-15.0**					
Laboratory ID:	10-242-12					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.077	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.077	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.077	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.077	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	7.7	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*66-130*				

Date of Report: October 25, 2017
Samples Submitted: October 18, 2017
Laboratory Reference: 1710-242
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-6.0**					
Laboratory ID:	10-242-14					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.057	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.057	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.057	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.057	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	5.7	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*78*	*66-130*				
Client ID:	**FMW-4-13.0**					
Laboratory ID:	10-242-16					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.077	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.077	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.077	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.077	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	7.7	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-130*				
Client ID:	**FMW-5-6.0**					
Laboratory ID:	10-242-19					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.062	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.062	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.062	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.062	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	6.2	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*76*	*66-130*				

Date of Report: October 25, 2017
Samples Submitted: October 18, 2017
Laboratory Reference: 1710-242
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-5-14.0**					
Laboratory ID:	10-242-21					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.072	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.072	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.072	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.072	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	7.2	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*66-130*				

Date of Report: October 25, 2017
Samples Submitted: October 18, 2017
Laboratory Reference: 1710-242
Project: 1432-001

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1020S2					
Benzene	**ND**	0.020	EPA 8021B	10-20-17	10-20-17	
Toluene	**ND**	0.050	EPA 8021B	10-20-17	10-20-17	
Ethyl Benzene	**ND**	0.050	EPA 8021B	10-20-17	10-20-17	
m,p-Xylene	**ND**	0.050	EPA 8021B	10-20-17	10-20-17	
o-Xylene	**ND**	0.050	EPA 8021B	10-20-17	10-20-17	
Gasoline	**ND**	5.0	NWTPH-Gx	10-20-17	10-20-17	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*66-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-258-02										
	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						*86*	*85*	*66-130*			
SPIKE BLANKS											
Laboratory ID:	SB1020S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.922**	**0.868**	1.00	1.00		**92**	**87**	70-120	6	11	
Toluene	**0.936**	**0.881**	1.00	1.00		**94**	**88**	73-121	6	14	
Ethyl Benzene	**0.946**	**0.890**	1.00	1.00		**95**	**89**	74-121	6	11	
m,p-Xylene	**0.945**	**0.890**	1.00	1.00		**95**	**89**	75-124	6	13	
o-Xylene	**0.929**	**0.881**	1.00	1.00		**93**	**88**	75-121	5	12	
Surrogate:											
Fluorobenzene						*87*	*81*	*66-130*			

Date of Report: October 25, 2017
Samples Submitted: October 18, 2017
Laboratory Reference: 1710-242
Project: 1432-001

% MOISTURE

Date Analyzed: 10-20-17

Client ID	Lab ID	% Moisture
FMW-3-7.0	10-242-02	23
FMW-3-15.0	10-242-03	22
FMW-2-11.0	10-242-06	27
FMW-2-15.0	10-242-07	22
FMW-1-7.5	10-242-10	20
FMW-1-15.0	10-242-12	23
FMW-4-6.0	10-242-14	11
FMW-4-13.0	10-242-16	24
FMW-5-6.0	10-242-19	8
FMW-5-14.0	10-242-21	22

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

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: Kellogg's Corner
Project Manager: J. Rands
Sampled by: AB

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: 10-242

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX 8021	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	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					% Moisture
1	FMW-3-5.5	10-16-17	12:20	Soil	5																						
2	FMW-3-7.0		12:40				X																				X
3	FMW-3-15.0		12:50				X																				X
4	FMW-2-5.0		14:45																								
5	FMW-2-7.0		15:00																								
6	FMW-2-11.0		15:05				X																				X
7	FMW-2-15.0		15:10				X																				X
8	FMW-1-3.0		17:20																								
9	FMW-1-5.5	10-17-17	8:00																								
10	FMW-1-7.5		8:10				X																				X

	Signature	Company	Date	Time
Relinquished	AB	Farallon	10-18-17	8:00
Received		CORE	10/18/17	1235
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

PM will contact for analysis.

X-Added 10/19/17. DB (STA)

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ 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

Company: Farallon
Project Number: 1432-001
Project Name: Kellogg's Korner
Project Manager: J. Rounds
Sampled by: AB

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: 10-242

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX 5021	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	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					% Moisture
11	FMW-1-11.0	10-17-17	8:20	Soil	5																						
12	FMW-1-15.0		8:30				X																				X
13	FMW-4-3.0		10:05																								
14	FMW-4-6.0		10:30				X																				X
15	FMW-4-10.5		10:35																								
16	FMW-4-13.0		10:50				X																				X
17	FMW-4-20.0		10:55																								
18	FMW-5-3.0		10:15																								
19	FMW-5-6.0		11:40				X																				X
20	FMW-5-10.5		11:45																								

	Signature	Company	Date	Time
Relinquished	AB	Farallon	10-18-17	8:00
Received			10/18/17	1235
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

~~See~~ Pg. 1

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ 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

Company: Farallon
Project Number: 1432-001
Project Name: (AS) ~~Kellogg's Corner~~ → Kellogg's Korner
Project Manager: J. Rounds
Sampled by: AB

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: 10-242

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021)	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	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					% Moisture
21	FMW-5-14.0	10-17-17	11:50	Soil	5		X																				X

AB

	Signature	Company	Date	Time
Relinquished	AB	Farallon	10-18-17	8:00
Received			10/18/17	1235
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

See Pg. 1

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

October 27, 2017

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

Re: Analytical Data for Project 1432-001
Laboratory Reference No. 1710-361

Dear Joe:

Enclosed are the analytical results and associated quality control data for samples submitted on October 26, 2017.

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: October 27, 2017
Samples Submitted: October 26, 2017
Laboratory Reference: 1710-361
Project: 1432-001

Case Narrative

Samples were collected on October 25, 2017 and received by the laboratory on October 26, 2017. 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: October 27, 2017
Samples Submitted: October 26, 2017
Laboratory Reference: 1710-361
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-1-102517**					
Laboratory ID:	10-361-01					
Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Toluene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Gasoline	**ND**	100	NWTPH-Gx	10-26-17	10-26-17	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***89***	***66-114***				
Client ID:	**FMW-2-102517**					
Laboratory ID:	10-361-02					
Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Toluene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Gasoline	**ND**	100	NWTPH-Gx	10-26-17	10-26-17	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***83***	***66-114***				
Client ID:	**FMW-3-102517**					
Laboratory ID:	10-361-03					
Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Toluene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Gasoline	**ND**	100	NWTPH-Gx	10-26-17	10-26-17	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***92***	***66-114***				

Date of Report: October 27, 2017
Samples Submitted: October 26, 2017
Laboratory Reference: 1710-361
Project: 1432-001

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FMW-4-102517**					
Laboratory ID:	10-361-04					
Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Toluene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Gasoline	**ND**	100	NWTPH-Gx	10-26-17	10-26-17	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***98***	***66-114***				
Client ID:	**FMW-5-102517**					
Laboratory ID:	10-361-05					
Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Toluene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Gasoline	**ND**	100	NWTPH-Gx	10-26-17	10-26-17	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***97***	***66-114***				

Date of Report: October 27, 2017
Samples Submitted: October 26, 2017
Laboratory Reference: 1710-361
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:	MB1026W1					
Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Toluene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Ethyl Benzene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
m,p-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
o-Xylene	**ND**	1.0	EPA 8021B	10-26-17	10-26-17	
Gasoline	**ND**	100	NWTPH-Gx	10-26-17	10-26-17	
Surrogate:	***Percent Recovery***	***Control Limits***				
Fluorobenzene	***90***	***66-114***				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	10-342-01										
	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						***79***	***78***	***66-114***			
SPIKE BLANKS											
Laboratory ID:	SB1026W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**50.8**	**52.5**	50.0	50.0		**102**	**105**	80-116	3	11	
Toluene	**50.5**	**52.2**	50.0	50.0		**101**	**104**	82-115	3	12	
Ethyl Benzene	**49.7**	**51.5**	50.0	50.0		**99**	**103**	80-117	4	12	
m,p-Xylene	**49.2**	**51.2**	50.0	50.0		**98**	**102**	79-117	4	12	
o-Xylene	**49.0**	**50.8**	50.0	50.0		**98**	**102**	79-117	4	11	
Surrogate:											
Fluorobenzene						***98***	***85***	***66-114***			

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

Company: Farallon
Project Number: 1432-001
Project Name: Kellog's Corner Property
Project Manager: Joe Rounds
Sampled by: Daniel Aguilar

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: 10-361

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	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	% Moisture
1	FMW-1-102517	10-25-17	1049	H_2O	3		X																
2	FMW-2-102517		1158																				
3	FMW-3-102517		1238																				
4	FMW-4-102517		1302																				
5	FMW-5-102517		1308																				

	Signature	Company	Date	Time
Relinquished		Farallon	10/25/17	1700
Received		ALPHA	10/26/17	1230
Relinquished		ALPHA	10/26/17	1334
Received			10/26/17	1334
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

APPENDIX C
TERRESTIRIAL ECOLOGICAL EVALUATION FORM

REMEDIAL INVESTIGATION REPORT
Kelloggs Korner
Midvale and Emerald Roads
Sunnyside, Washington

Farallon PN: 1432-001

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm.

Step 1: IDENTIFY HAZARDOUS WASTE SITE	
Please identify below the hazardous waste site for which you are documenting an evaluation.	
Facility/Site Name: Kelloggs Korner	
Facility/Site Address: Midvale and Emerald Road, Sunnyside, WA 98944	
Facility/Site No: 473	VCP Project No.: CE0441

Step 2: IDENTIFY EVALUATOR		
Please identify below the person who conducted the evaluation and their contact information.		
Name: Joe Rounds		Title: Senior Project Manager
Organization: Farallon Consulting, LLC		
Mailing address: 975 5th Avenue NW		
City: Issaquah	State: WA	Zip code: 98027
Phone: 425-295-0800	Fax: NA	E-mail: jrounds@farallonconsulting.com

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

☐ Yes *If you answered **"YES,"** then answer **Question 2**.*

☒ No or Unknown *If you answered **"NO" or "UKNOWN,"** then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? *Check all that apply. Then skip to **Step 4** of this form.*

Point of Compliance: WAC 173-340-7491(1)(a)

☐ All soil contamination is, or will be,* at least 15 feet below the surface.

☐ All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

☐ All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

☐ There is less than 0.25 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

☐ For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

[±] "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

[#] "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

- ■ Yes — *If you answered **"YES,"** then answer **Question 2** below.*
- ☐ No or Unknown — *If you answered **"NO"** or **"UNKNOWN,"** then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

- ■ Yes — *If you answered **"YES,"** then answer **Question 3** below.*
- ☐ No — *If you answered **"NO,"** then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

- ☐ Yes — *If you answered **"YES,"** then answer **Question 4** below.*
- ■ No — *If you answered **"NO,"** then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

- ☐ Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*
- ☐ Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? *Check all that apply. Then skip to **Step 4** of this form.*

Exposure Analysis: WAC 173-340-7492(2)(a)

- ☒ Area of soil contamination at the Site is not more than 350 square feet.
- ☐ Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

- ☒ No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

- ☒ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. *See* WAC 173-340-7493(1)(c).

1. Was there a problem? *See* WAC 173-340-7493(2).

☐ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No *If you answered **"NO,"** then identify the reason here and then skip to **Question 5** below:*

- ☐ No issues were identified during the problem formulation step.
- ☐ While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? *See* WAC 173-340-7493(3).

☐ Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*

☐ Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use?
Check all that apply. See WAC 173-340-7493(3).

- ☐ Literature surveys.
- ☐ Soil bioassays.
- ☐ Wildlife exposure model.
- ☐ Biomarkers.
- ☐ Site-specific field studies.
- ☐ Weight of evidence.
- ☐ Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

- ☐ Confirmed there was no problem.
- ☐ Confirmed there was a problem and established site-specific cleanup levels.

5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

☐ Yes If so, please identify the Ecology staff who approved those steps:

☐ No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.

Northwest Region: Attn: VCP Coordinator 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: VCP Coordinator 1250 West Alder St. Union Gap, WA 98903-0009
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295