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March 9, 2020

Ms. Kathryn Dobler
1920 Tacoma Ave., LLC
PO Box 111088
Tacoma, Washington 98411

**RE: SITE ASSESSMENT REPORT
UNIVERSITY OF WASHINGTON TACOMA BRANCH PLP STATUS
1920 TACOMA AVENUE SOUTH
TACOMA, WASHINGTON
FARALLON PN: 2309-001**

Dear Ms. Dobler:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter to summarize the results of the site assessment conducted for 1920 Tacoma, Ave., LLC at the property at 1920 Tacoma Avenue in Tacoma, Washington (herein referred to as the Site) (Figure 1). The site assessment was conducted to evaluate soil and groundwater at the Site to assess whether a source of tetrachloroethene (PCE) and/or trichloroethene (TCE) exists at the Site, or whether an off-Site source such as the sanitary sewer system or other up-gradient or cross-gradient source not associated with prior or current Site activities exists.

This letter report provides a summary of the relevant Site background information; geology and hydrogeology; a description of the site assessment conducted by Farallon; analytical results of samples collected at the Site; and Farallon's conclusions.

SITE DESCRIPTION AND BACKGROUND

The Site comprises Pierce County Parcel No. 2019120131, which totals 1.29 acres of land in a commercial and residential area of Tacoma, Washington. The Site slopes down from west to east with an approximate elevation difference of 22 feet between the western Site boundary and the eastern Site boundary along Tacoma Avenue South. The northeastern portion of the Site is approximately level with Tacoma Avenue South and transitions to an abrupt upward slope toward the west-adjacent alley. The central and southern portions of the Site consist of a more gradual downward slope from west to east. Municipal sanitary sewer main lines that flow from north to south are present in the west-adjacent alley and in east-adjacent Tacoma Avenue South. Municipal stormwater main lines also are present mostly parallel to the sanitary sewer main lines. Figure 2 depicts the approximate locations of the utilities.

The Site is owned by 1920 Tacoma Ave., LLC and currently is vacant. Historically, the Site was developed with at least two structures, including a 2,000-square-foot tire shop providing brake and alignment services on the northern portion of the Site between 1953 and 1999, and Delta Camshaft, a camshaft machining facility, on the southern portion of the Site from at least 1983 until 2010.



The building housing the tire shop was demolished in 1999, and the building housing Delta Camshaft was demolished in 2010. Adjacent properties include a medical supply store to the north; Tacoma Avenue South followed by vacant land and a glass shop to the east and southeast; and residences, a youth organization, and a church to the south and west.

According to the letter regarding Preliminary Determination of Liability for Release of Hazardous Substances at the Following Contaminated Site: WA UW Tacoma Branch, 1900 Commerce, Tacoma, WA 98402 dated September 11, 2019, from Mr. Thomas Middleton of the Washington State Department of Ecology (Ecology) to Ms. Dobler of 1920 Tacoma Ave., LLC (Ecology potentially liable person [PLP] Letter), operations at Delta Camshaft included grinding, deburring, and coating camshafts for engine building. The Ecology PLP Letter also indicated that an underground storage tank (UST) of unspecified contents and capacity and associated impacted soil also were identified and removed near the former tire shop building, presumably during demolition activities in 1999. The Ecology PLP Letter indicated that information about the UST had been obtained from a final inspection permit from the City of Tacoma. Ecology and the Tacoma – Pierce County Health Department reportedly did not have records related to the UST removed from the Site.

The Ecology PLP Letter identified 1920 Tacoma Ave., LLC as a PLP for PCE and TCE identified in groundwater, which Ecology has alleged could be associated with historical operations at the Site. Subsurface investigation work completed by GeoEngineers, Inc. of Tacoma, Washington on behalf of the University of Washington between 2016 and 2019 under an Agreed Order with Ecology identified PCE and TCE in groundwater in both a shallow and deep groundwater-bearing zone at monitoring wells immediately down-gradient of the Site, but not in monitoring wells up-gradient of the Site. Consequently, Ecology issued PLP notifications to landowners with property hydraulically up-gradient of the University of Washington Tacoma campus, which required each landowner to conduct an assessment of their property and demonstrate their PLP status to Ecology.

GEOLOGY AND HYDROGEOLOGY

The Site is located approximately 0.25 mile southwest of downtown Tacoma, Washington on a hill that slopes down to the east. The Site is within the Puget Sound region, which is underlain by Quaternary sediments deposited by a number of glacial episodes. Deposition occurred during glacial advances and retreats, which created the existing subsurface conditions. The regional sediments consist primarily of interlayered and/or sequential deposits of alluvial clays, silts, and sands that typically are situated over deposits of glacial till that consist of silty sand to sandy silt with gravel. Outwash sediments consisting of sands, silts, clays, and gravels were deposited by rivers, streams, and post-glacial lakes during the glacial episodes. Except for the most recent recessional deposits, the outwash sediments have been over-consolidated by the overriding ice sheets. Soil encountered during drilling at the Site generally consisted of sand and gravel with varying amounts of silt to the maximum explored depth of 50 feet below ground surface (bgs).

During the site assessment, shallow groundwater was first encountered at depths ranging from approximately 1 to 5 feet bgs in a sand layer encountered in several of the direct-push borings.



However, shallow groundwater was not encountered in some borings. Determination of the first-encountered groundwater was based on wet soil conditions. Subsequently, temporary monitoring wells were installed for collection of reconnaissance groundwater samples. However, in some borings, minimal groundwater was found to enter the well casings after installation and stabilization for over 12 hours. The absence of contiguous shallow groundwater across the Site and minimal groundwater accumulation for reconnaissance groundwater sampling suggest that the groundwater encountered may be associated with seasonal surface water infiltration or recharge rather than representative of a groundwater-bearing zone.

A narrow zone of groundwater was encountered during drilling in silty sand in monitoring well boring FMW-01D between approximately 23 and 25 feet bgs, and in monitoring well boring FMW-02D between approximately 20 and 20.5 feet bgs. This zone of groundwater was underlain by a moist silty sand to a depth of approximately 30 feet bgs. A second deeper groundwater zone was encountered at a depth of approximately 30 feet bgs in monitoring well borings FMW-01D and FMW-02D, and at 20 feet bgs at monitoring well boring FMW-03S during drilling, based on consistently saturated soil conditions at the time of drilling. Subsequent water-level measurements indicated groundwater was present in the monitoring wells at depths of approximately 23 feet below the top of the well casings at monitoring well borings FMW-01D and FMW-02D, on the northwestern portion of the Site, and at approximately 16.5 feet below the top of the well casing at monitoring well boring FMW-03S, on the southern portion of the Site.

The monitoring well elevations were not surveyed for the purpose of this investigation. However, as sufficient historical hydrogeological information associated with the investigation of the source(s) of PCE and TCE by Ecology and others exists, it is likely that regional groundwater flow in the area of the Site is to the east, following local topography.

SITE ASSESSMENT

The scope of work for the Site assessment included:

- Locating subsurface utilities;
- Advancing 11 borings for collection of soil samples;
- Installing temporary monitoring wells and collecting reconnaissance groundwater samples from the first-encountered groundwater-bearing zone from four of the borings;
- Installing permanent groundwater monitoring wells in three of the borings and collecting groundwater samples from the deeper groundwater-bearing zone.

Holt Services Inc of Edgewood, Washington advanced borings FB-01 through FB-07 to a maximum depth of 20 feet bgs using a limited-access direct-push drill rig. Refusal was encountered at depths of approximately 9.5 feet bgs and 5 feet bgs at borings FB-06 and FB-07, respectively. Due to the shallow refusal at borings FB-06 and FB-07, boring FB-08 was installed proximate to borings FB-06 and FB-07 using a limited-access sonic drill rig to a depth 20 feet bgs to obtain additional soil samples (Figure 2). Monitoring well borings FMW-01D, FMW-02D, and



FMW-03S were advanced to a maximum depth of 50 feet bgs using a limited-access sonic drill rig. Boring and monitoring well locations are presented on Figure 2. The boring logs are included in Attachment A.

SUBSURFACE UTILITY LOCATION

Prior to conducting subsurface drilling activities, Farallon retained both public and private utility locating services to clear the proposed boring and monitoring well locations and also to gain information pertaining to the locations of subsurface utilities at and proximate to the Site. The locations of the utilities identified are depicted on Figure 2.

SOIL SAMPLING

Prior to commencement of drilling activities, boring locations were manually cleared for potential utilities to a depth of up to 5 feet bgs using an air knife or hand auger. A direct-push drill rig was used to advance each boring to the target depth, or refusal, at locations where underlying cobbles prohibited direct-push drilling from advancing further. The limited-access sonic drill rig was used to complete borings where refusal was encountered and for installation of the monitoring wells.

A Farallon Field Scientist/Geologist observed and logged subsurface conditions. Soil samples from select depth intervals were retained for laboratory analysis based on field indications of potential contamination and geology. The information recorded for each boring log included soil types encountered, groundwater conditions, visual and olfactory observations (e.g. staining, odor, etc.), and volatile organic vapor concentrations as measured using a photoionization detector. Boring logs are provided in Attachment A.

Soil samples were collected and transferred directly into laboratory-prepared sample containers. Soil samples collected for analysis for halogenated volatile organic compounds (HVOCs) were fitted with a Teflon-lined lid in accordance with U.S. Environmental Protection Agency (EPA) Method 5035A for sampling for HVOCs. Soil samples collected from the borings were placed on ice in a cooler under standard chain-of-custody procedures and delivered to OnSite Environmental Inc. of Redmond, Washington (OnSite) for analysis of HVOCs by EPA Method 8260C.

RECONNAISSANCE GROUNDWATER SAMPLING

Temporary well casings were installed in borings FB-01, FB-03, FB-04, FB-06, and FB-07 (Figure 2) for collection of reconnaissance groundwater samples. The temporary well casings consisted of dedicated 1-inch-diameter polyvinyl chloride casing with a 5-foot section of 0.010-inch slotted screen for each boring and were placed directly into each boring to intercept groundwater from the first-encountered groundwater-bearing zone. Reconnaissance groundwater samples were collected from borings FB-01, FB-03, FB-04, and FB-07 using a peristaltic pump using dedicated silicone and polyethylene tubing for each boring. Groundwater was decanted directly from the pump outlet into laboratory-supplied sample containers. The laboratory containers were immediately placed on ice in a laboratory-provided cooler and transported under standard chain-of-custody protocols to OnSite for analysis of HVOCs by EPA Method 8260C. No



groundwater was encountered at the time of drilling at boring FB-06, nor did groundwater enter the installed temporary well casing after 22 hours.

GROUNDWATER MONITORING WELL INSTALLATION

Monitoring wells FMW-01D, FMW-02D, and FMW-03S (Figure 2) were advanced to a depth of 50 feet bgs and completed as permanent groundwater monitoring wells using a sonic drill rig. During drilling, as a precautionary measure, a conductor casing was advanced to a depth of 20 feet bgs at monitoring wells FMW-01D and FMW-02D to seal the boreholes from shallow groundwater encountered above the targeted groundwater-bearing zone.

The monitoring wells were installed with 15 feet of 2-inch diameter 0.010-inch slotted polyvinyl chloride screen set between approximately 31 to 46 feet bgs in monitoring wells FMW-01D and FMW-02D, and between approximately 20 to 35 feet bgs in monitoring well FMW-03S. The over-drilled portion of each borehole was backfilled with bentonite from the bottom of the borehole to approximately 1 foot below the bottom of the screened interval. A sand filter pack was placed in the annular space from approximately 1 foot below the bottom of the screen to approximately 1 foot above the top of the screened interval, and was overlain by hydrated bentonite to a depth of approximately 2 feet bgs. Wells were constructed with flush-mount monuments set in concrete. The well construction details are presented with the boring logs in Attachment A.

Monitoring wells were developed immediately after installation using a downhole pump to surge and purge the wells in order to remove fine-grain materials until the water drawn from each well appeared clear. Approximately 50 to 150 gallons of water was purged from each monitoring well during development. The boring and monitoring well locations were recorded using a portable global positioning unit. However, as previously discussed, the well casing elevations were not surveyed for the purpose of this investigation, as sufficient historical information on groundwater flow is available from Ecology and others.

GROUNDWATER MONITORING EVENT

Farallon conducted a groundwater monitoring event at the Site on November 21, 2019. The groundwater monitoring event included measuring the depth to groundwater and sampling monitoring wells FMW-01D, FMW-02D, and FMW-03S (Figure 2).

Depths to groundwater were measured by opening each monitoring well and allowing the wells to equilibrate to atmospheric pressure for at least 15 minutes, and then using an electronic water-level meter to measure the depth to water in each well to the nearest one-hundredth of a foot.

Groundwater samples were collected in accordance with EPA low-flow groundwater sampling procedures. Purging and sampling of each monitoring well was performed using a peristaltic pump and dedicated silicone and polyethylene tubing at flow rates ranging from approximately 200 milliliters per minute. The tubing intake was placed in the approximate middle of the submerged screen interval in each monitoring well.



During purging, water quality was measured using a YSI ProDSS water quality system equipped with a flow-through cell. Water quality parameters were monitored and recorded at 3-minute intervals during purging and included temperature, pH, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity. Purging was continued until stabilization criteria were achieved for temperature, pH, specific conductance, dissolved oxygen, and oxidation-reduction potential. Following purging, groundwater samples were collected from the pump outlet tubing upstream of the flow-through cell and placed directly into laboratory-prepared sample containers. Each sample container was labeled with a unique sample identification number, placed on ice in a laboratory-provided cooler, and transported to OnSite for laboratory analysis of HVOCS by EPA Method 8260C.

INVESTIGATION-DERIVED WASTE

Soil cuttings, decontamination water, purge water, and other wastewater generated during the site assessment were temporarily stored on the Site in labeled 55-gallon steel drums pending profiling for disposal at a facility authorized to receive such waste. The waste materials will be transported off the Site to an appropriate disposal facility within 90 days of the generation date. Waste profiling and disposal documentation will be maintained in the project file.

RESULTS

A summary of the analytical results for soil and groundwater samples collected is presented below. The complete laboratory analytical reports are provided in Attachment B. The analytical data are also presented on Figures 3 and 4 and in Tables 1 and 2. Laboratory analytical reports are provided as Attachment B.

SOIL RESULTS

HVOCS including PCE and TCE were reported either non-detect at the laboratory practical quantitation limit (PQL) or were detected at concentrations less than Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A or B soil cleanup levels in all soil samples analyzed at all locations (Table 1, Figure 3).

TCE was detected at concentrations slightly exceeding the MTCA Method B cleanup level for soil protective of groundwater in saturated-zone soil samples collected from boring FB-08 at depths of 15 and 20 feet bgs, and in monitoring well FMW-02D at a depth of 50 feet bgs.

GROUNDWATER SAMPLING RESULTS

HVOCS, including PCE and TCE, were reported either non-detect at the laboratory PQL or were detected at concentrations less than MTCA Method A or B cleanup levels in all groundwater samples analyzed (Table 2, Figure 4). TCE was detected only in the groundwater sample collected from monitoring well FMW-03S at a concentration of 0.78 micrograms per liter, which is less than the MTCA Method A cleanup level of 5.0 micrograms per liter.



CONCLUSIONS

The site assessment scope of work primarily was designed to evaluate groundwater quality in the first-encountered and deep groundwater-bearing zones as indicators of whether a source of PCE and/or TCE exists at the Site, or is possibly associated with an up-gradient source such as the sanitary sewer, the stormwater system, or off-Site properties. The distribution of borings and monitoring wells supplement the investigation work conducted by others up-gradient and down-gradient of the Site. The collective soil and groundwater data are sufficient to evaluate the potential for the Site to be a contributing source of PCE and/or TCE to the regional groundwater impacts.

The collective soil and groundwater data for this site assessment confirm that the Site is not a source of the PCE and TCE observed in groundwater at down-gradient monitoring wells. Therefore, 1920 Tacoma Ave., LLC should not be designated by Ecology as a PLP for PCE and TCE impacts to groundwater at the Site or surrounding properties where elevated concentrations of PCE and/or TCE have been confirmed to exceed the MTCA cleanup levels.

Soil at the Site was not observed to be impacted above applicable cleanup levels, except for a saturated-zone soil sample in monitoring well FMW-02D, and two saturated-zone soil samples in boring FB-08 (Table 1, Figure 3). The saturated-zone soil samples were intended to supplement reconnaissance groundwater samples from borings FB-01, FB-03, FB-04, and FB-07 and monitoring wells FMW-01D, FMW-02D, and FMW-03S. The absence and very low concentrations of PCE and TCE in soil, including saturated soil, indicate that no source of PCE and/or TCE exists at the Site. The low concentrations of TCE detected in the saturated zone are likely associated with the more-elevated concentrations of TCE that have been detected cross-gradient of the Site to the north, transported via soil gas.

The reconnaissance groundwater sampling results indicated that neither PCE nor TCE were detected in first-encountered groundwater. Concentrations of these analytes would be expected if a source of PCE or TCE that could result in the impacts to the deeper groundwater-bearing zone was present at the Site. Further, the groundwater sampling results from the monitoring wells do not indicate that the deeper groundwater-bearing zone contains concentrations of PCE or TCE representative of a source at the Site that could be impacting groundwater down-gradient of the Site in the shallow or deeper groundwater-bearing zones identified by Ecology and others. Additionally, the groundwater data does not support that the municipal sanitary sewer and stormwater systems immediately up-gradient of the Site are likely sources of the PCE and TCE in groundwater. Monitoring well FMW-01D was intended to evaluate both the municipal sanitary sewer and stormwater systems and the potential existence of an up-gradient source to the west and north of the Site. The absence of PCE and TCE in groundwater at this monitoring well location suggests that the source affecting groundwater is north of the Site. Collectively, the groundwater data from the Site combined with Ecology's data down-gradient of the Site suggest that the low concentrations of PCE and TCE detected at monitoring wells in the Tacoma Avenue South right-of-way adjacent to the eastern Site boundary are associated with a source to the north of the Site. Concentrations of PCE and TCE may have been transported cross-gradient via localized variability in groundwater flow direction and possibly the utility corridor on the eastern boundary of the Site.



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Based on the results of this assessment, the Site is not a source of the impacts of PCE and TCE observed in groundwater; no further investigation of the Site as a potential source of PCE or TCE is required; and 1920 Tacoma Ave., LLC should not be named a PLP for PCE and TCE impacts down-gradient of the Site.

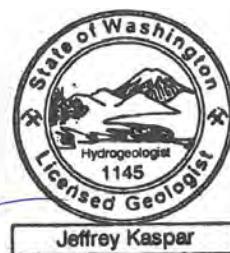
CLOSING

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

Sincerely,

Farallon Consulting, L.L.C.

Yusuf Pehlivan, L.G.
Project Geologist



Jeffrey Kaspar, L.G., L.H.G.
Principal Geologist

Attachments: *Figure 1, Site Vicinity Map*
Figure 2, Site Plan
Figure 3, Soil Analytical Results for HVOCS
Figure 4, Groundwater Analytical Results for HVOCS
Table 1, Soil Analytical Results for HVOCS
Table 2, Groundwater Analytical Results for HVOCS
Attachment A, Boring Logs
Attachment B, Laboratory Analytical Reports

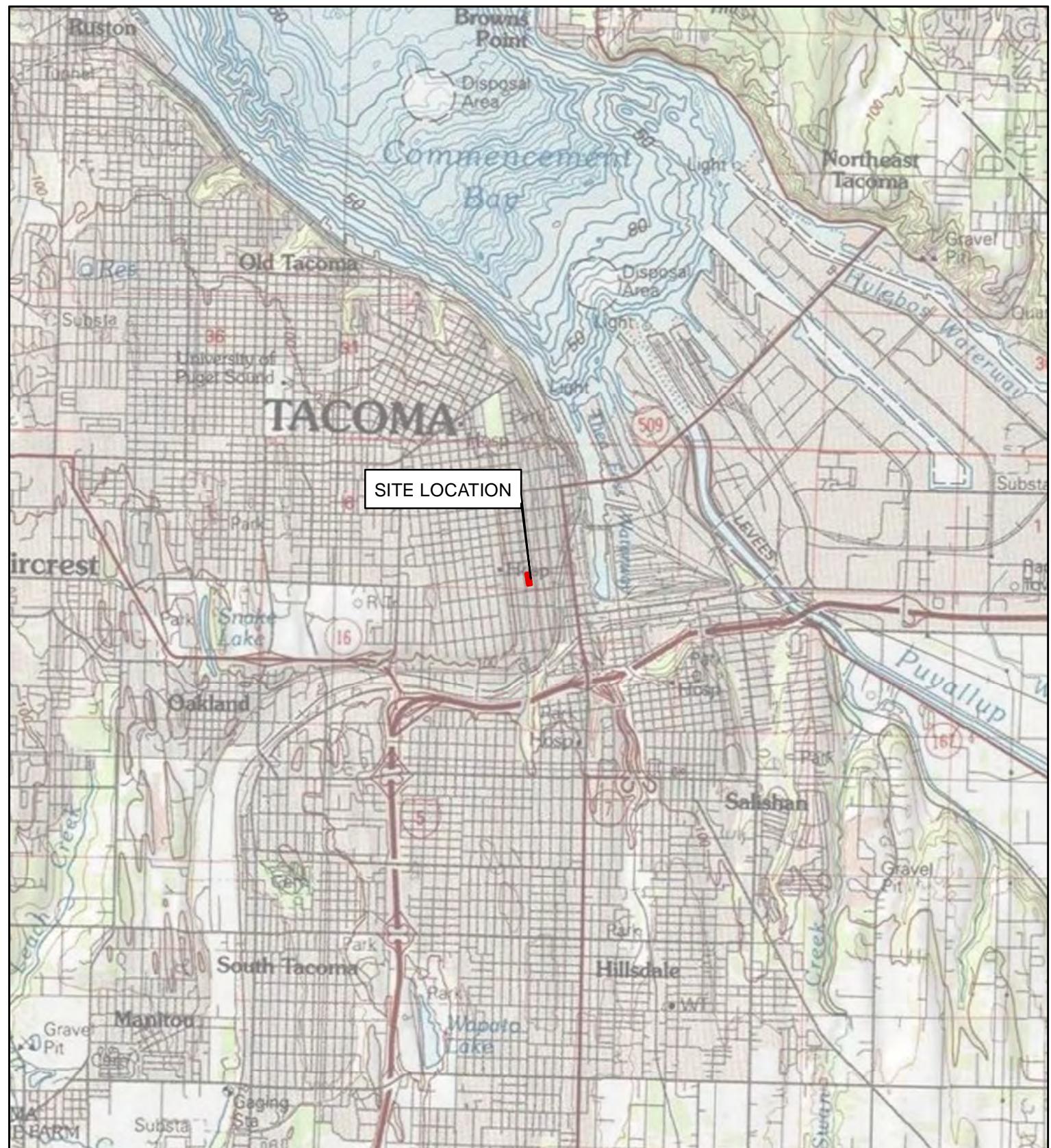
cc: Mark Holcomb, Morton McGoldrick PLLC

YP/JK:kr

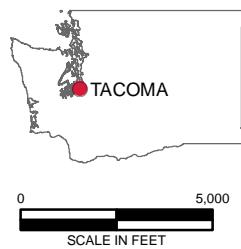
FIGURES

SITE ASSESSMENT REPORT
University of Washington Tacoma Branch PLP Status
1920 Tacoma Avenue South
Tacoma, Washington

Farallon PN: 2309-001



REFERENCE: 7.5 MINUTE USGS QUADRANGLE TACOMA SOUTH, WASHINGTON, DATED 2013



Quality Service for Environmental Solutions | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Folsom | Irvine

FIGURE 1

SITE VICINITY MAP
1920 TACOMA AVENUE SOUTH
TACOMA, WASHINGTON

FARALLON PN: 2309-001

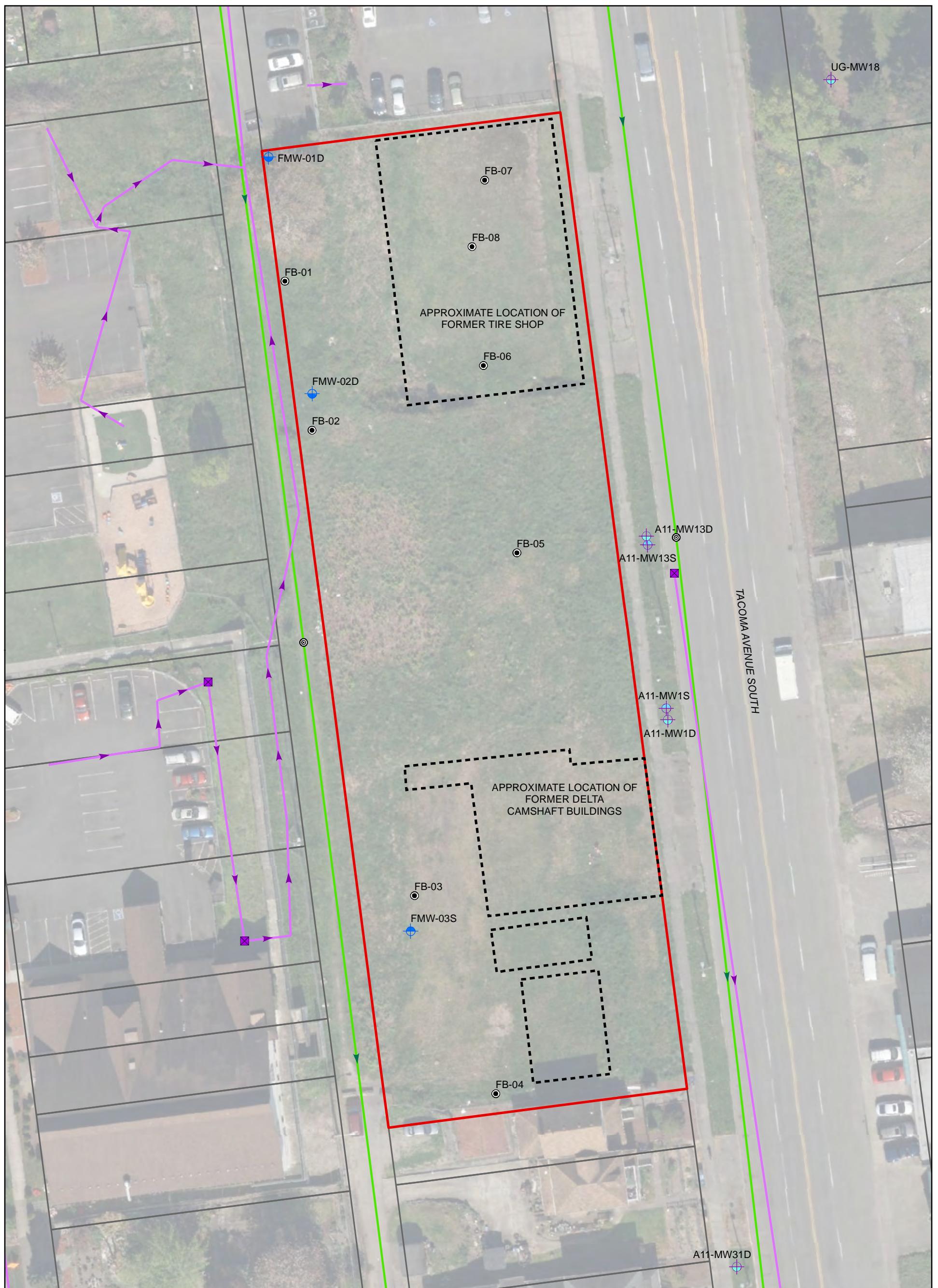
Drawn By: jjones

Checked By: YP

Date: 11/19/2019

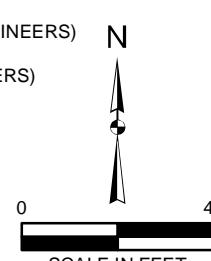
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Disc Reference:



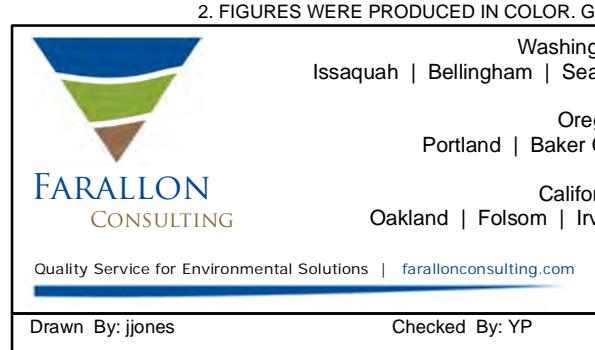
LEGEND

- SHALLOW RECONNAISSANCE BORING (FARALLON, 2019)
- SHALLOW MONITORING WELL (FARALLON, 2019)
- DEEP MONITORING WELL (FARALLON, 2019)
- SHALLOW MONITORING WELL (GEOENGINEERS)
- DEEP MONITORING WELL (GEOENGINEERS)
- FORMER SITE FEATURE
- MANHOLE - STORMWATER
- STORMWATER LINE
- MANHOLE - SEWER
- SEWER LINE
- SITE BOUNDARY
- PIERCE COUNTY PARCEL BOUNDARY



NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRayscale COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.



Drawn By: jjones

Checked By: YP

Date:

1/20/2020

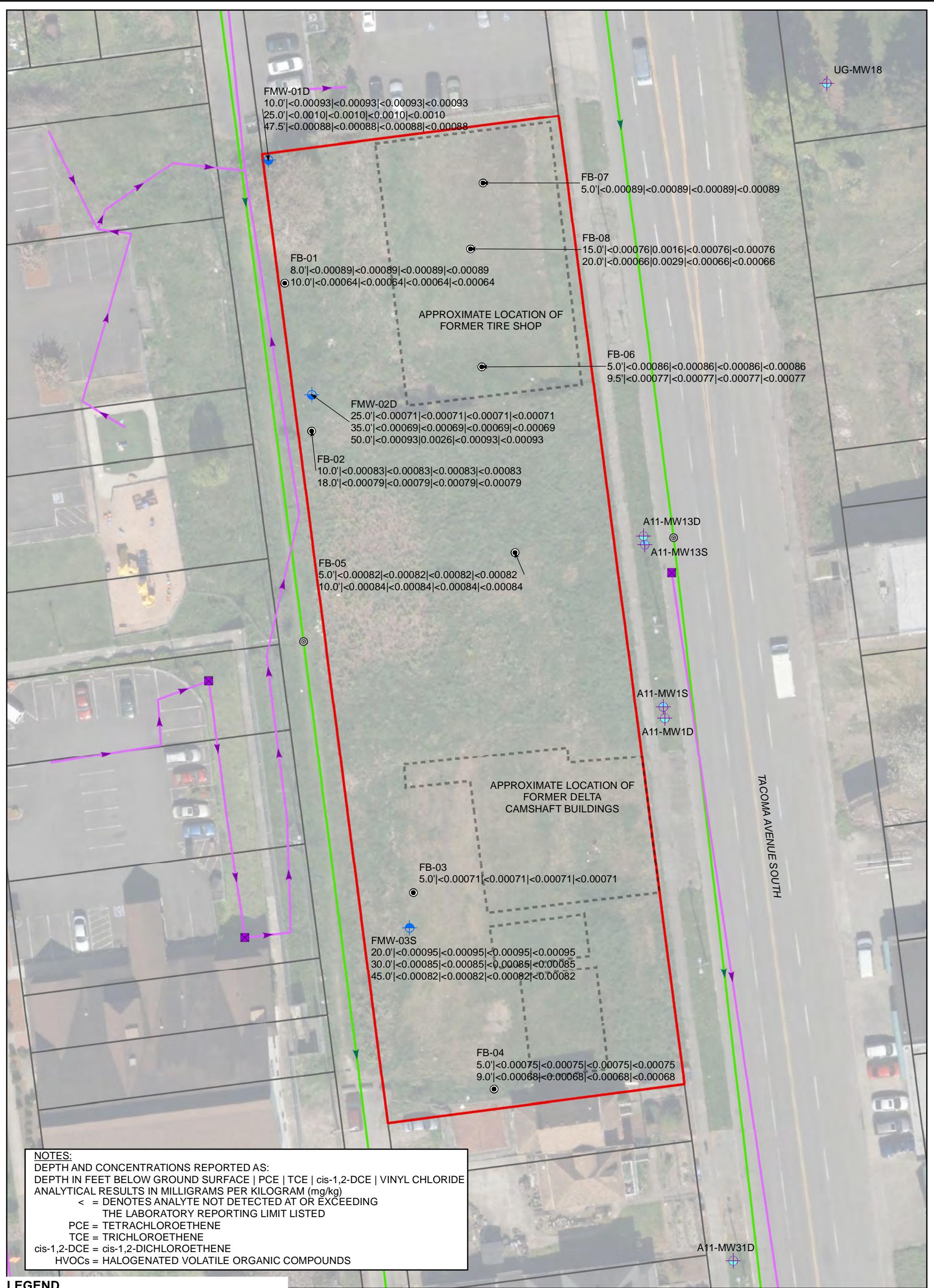
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FIGURE 2

SITE PLAN
1920 TACOMA AVENUE SOUTH
TACOMA, WASHINGTON

FARALLON PN: 2309-001

Disc Reference:



LEGEND

- SHALLOW RECONNAISSANCE BORING (FARALLON, 2019)
- SHALLOW MONITORING WELL (FARALLON, 2019)
- DEEP MONITORING WELL (FARALLON, 2019)
- SHALLOW MONITORING WELL (GEOENGINEERS)
- DEEP MONITORING WELL (GEOENGINEERS)
- MANHOLE - STORMWATER
- STORMWATER LINE
- MANHOLE - SEWER
- SEWER LINE
- FORMER SITE FEATURE
- SITE BOUNDARY
- PIERCE COUNTY PARCEL BOUNDARY

0 40
SCALE IN FEET



- NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRayscale COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.



Drawn By: jjones Checked By: YP

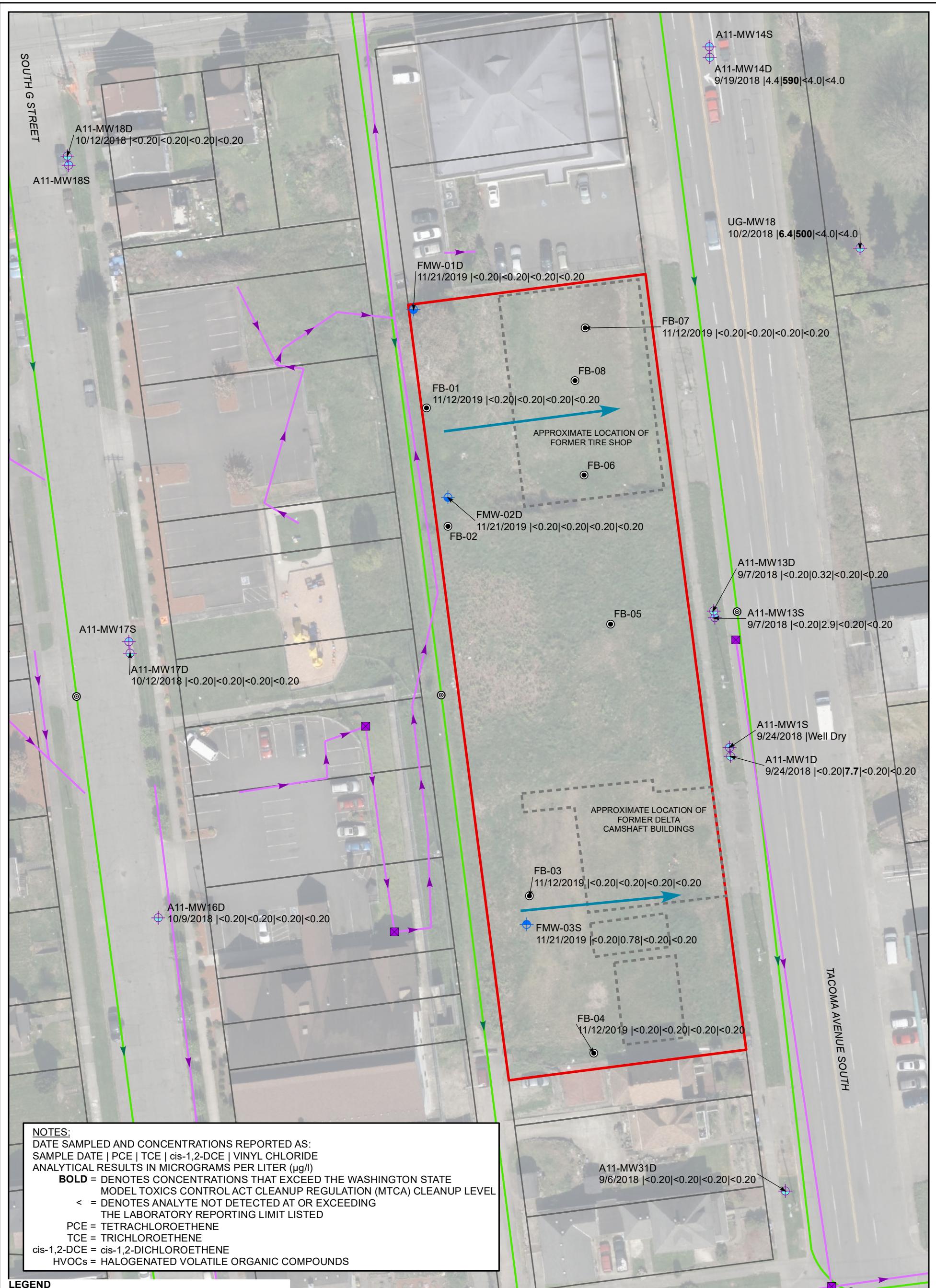
FIGURE 3
SOIL ANALYTICAL RESULTS FOR HVOCS
1920 TACOMA AVENUE SOUTH
TACOMA, WASHINGTON

FARALLON PN: 2309-001

Date: 1/21/2020

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TABLES

SITE ASSESSMENT REPORT
University of Washington Tacoma Branch PLP Status
1920 Tacoma Avenue South
Tacoma, Washington

Farallon PN: 2309-001

Table 1
Soil Analytical Results for HVOCs
University of Washington Tacoma Branch PLP Status
Tacoma, Washington
Farallon PN: 2309-001

| Sample Location | Sample Identification | Sample Depth (feet) ¹ | Sample Date | Analytical Results (milligrams per kilogram) ² | | | | |
|---|-----------------------|----------------------------------|-------------|---|---------------|------------------------|--------------------------|-------------------------|
| | | | | PCE | TCE | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Vinyl Chloride |
| FB-01 | FB-01-8.0 | 8.0 | 11/11/2019 | < 0.00089 | < 0.00089 | < 0.00089 | < 0.00089 | < 0.00089 |
| | FB-01-10.0 | 10.0 | 11/11/2019 | < 0.00064 | < 0.00064 | < 0.00064 | < 0.00064 | < 0.00064 |
| FB-02 | FB-02-10.0 | 10.0 | 11/11/2019 | < 0.00083 | < 0.00083 | < 0.00083 | < 0.00083 | < 0.00083 |
| | FB-02-18.0 | 18.0 | 11/11/2019 | < 0.00079 | < 0.00079 | < 0.00079 | < 0.00079 | < 0.00079 |
| FB-03 | FB-03-5.0 | 5.0 | 11/11/2019 | < 0.00071 | < 0.00071 | < 0.00071 | < 0.00071 | < 0.00071 |
| FB-04 | FB-04-5.0 | 5.0 | 11/11/2019 | < 0.00075 | < 0.00075 | < 0.00075 | < 0.00075 | < 0.00075 |
| | FB-04-9.0 | 9.0 | 11/11/2019 | < 0.00068 | < 0.00068 | < 0.00068 | < 0.00068 | < 0.00068 |
| FB-05 | FB-05-5.0 | 5.0 | 11/11/2019 | < 0.00082 | < 0.00082 | < 0.00082 | < 0.00082 | < 0.00082 |
| | FB-05-10.0 | 10.0 | 11/11/2019 | < 0.00084 | < 0.00084 | < 0.00084 | < 0.00084 | < 0.00084 |
| FB-06 | FB-06-5.0 | 5.0 | 11/11/2019 | < 0.00086 | < 0.00086 | < 0.00086 | < 0.00086 | < 0.00086 |
| | FB-06-9.5 | 9.5 | 11/11/2019 | < 0.00077 | < 0.00077 | < 0.00077 | < 0.00077 | < 0.00077 |
| FB-07 | FB-07-5.0 | 5.0 | 11/12/2019 | < 0.00089 | < 0.00089 | < 0.00089 | < 0.00089 | < 0.00089 |
| FB-08 | FB-08-15.0 | 15.0 | 11/15/2019 | < 0.00076 | 0.016 | < 0.00076 | < 0.00076 | < 0.00076 |
| | FB-08-20.0 | 20.0 | 11/15/2019 | < 0.00066 | 0.029 | < 0.00066 | < 0.00066 | < 0.00066 |
| FMW-01D | FMW-01D-10.0 | 10.0 | 11/13/2019 | < 0.00093 | < 0.00093 | < 0.00093 | < 0.00093 | < 0.00093 |
| | FMW-01D-25.0 | 25.0 | 11/13/2019 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 |
| | FMW-01D-47.5 | 47.5 | 11/13/2019 | < 0.00088 | < 0.00088 | < 0.00088 | < 0.00088 | < 0.00088 |
| FMW-02D | FMW-02D-25.0 | 25.0 | 11/14/2019 | < 0.00071 | < 0.00071 | < 0.00071 | < 0.00071 | < 0.00071 |
| | FMW-02D-35.0 | 35.0 | 11/14/2019 | < 0.00069 | < 0.00069 | < 0.00069 | < 0.00069 | < 0.00069 |
| | FMW-02D-50.0 | 50.0 | 11/14/2019 | < 0.00093 | 0.026 | < 0.00093 | < 0.00093 | < 0.00093 |
| FMW-03S | FMW-03S-20.0 | 20.0 | 11/15/2019 | < 0.00095 | < 0.00095 | < 0.00095 | < 0.00095 | < 0.00095 |
| | FMW-03S-30.0 | 30.0 | 11/15/2019 | < 0.00085 | < 0.00085 | < 0.00085 | < 0.00085 | < 0.00085 |
| | FMW-03S-45.0 | 45.0 | 11/15/2019 | < 0.00082 | < 0.00082 | < 0.00082 | < 0.00082 | < 0.00082 |
| MTCA Cleanup Levels for Soil³ | | | | 0.05 | 0.03 | 160⁴ | 1,600⁴ | 0.67⁴ |
| MTCA Method B Cleanup Levels for Soil Protective of Groundwater Vadose at 13 Degrees Celsius⁴ | | | | 0.05 | 0.025 | 0.078 | 0.52 | 0.0017 |
| MTCA Method B Cleanup Levels for Soil Protective of Groundwater Saturated⁴ | | | | 0.0028 | 0.0015 | 0.0052 | 0.032 | 0.000089 |

NOTES:

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

PCE = tetrachloroethene

Bold denotes that that analyte was detected.

TCE = trichloroethene

Bold denotes analyte concentration exceeds a cleanup level listed.

VOC = volatile organic compound

¹Depth in feet below ground surface.

²Analyzed by U.S. Environmental Protection Agency Method 8260D. Only detected and select VOCs shown in table; see lab report for full list of analytes.

³Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses. Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

⁴Washington State Cleanup Levels and Risk Calculations under MTCA. Standard Method B Formula Values for Soil from CLARC Master spreadsheet updated May 2019, <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC>.

Table 2
Groundwater Analytical Results for HVOCS
University of Washington Tacoma Branch PLP Status
Tacoma, Washington
Farallon PN: 2309-001

| Sample Location | Sample Date | Sample Identification | Analytical Results (micrograms per liter) ¹ | | | | | |
|--|-------------|-----------------------|--|-------------|------------------------|--------------------------|----------------|------------------------|
| | | | PCE | TCE | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Vinyl Chloride | Chloroform |
| Reconnaissance Groundwater Samples | | | | | | | | |
| FB-01 | 11/12/2019 | RGW-FB-01 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| FB-03 | 11/12/2019 | RGW-FB-03 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| FB-04 | 11/12/2019 | RGW-FB-04 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| FB-07 | 11/12/2019 | RGW-FB-07 | < 0.20 J | < 0.20 J | < 0.20 J | < 0.20 J | < 0.20 J | < 0.20 J |
| Monitoring Well Groundwater Samples | | | | | | | | |
| FMW-01D | 11/21/2019 | FMW-01-112119 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | 0.59 |
| FMW-02D | 11/21/2019 | FMW-02-112119 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| FMW-03S | 11/21/2019 | FMW-03-112119 | < 0.20 | 0.78 | < 0.20 | < 0.20 | < 0.20 | < 0.20 |
| MTCA Cleanup Levels for Groundwater² | | | 5 | 5 | 16³ | 160³ | 0.2 | 1.4³ |

NOTES:

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

Bold denotes that that analyte was detected.

J = result is an estimate

PCE = tetrachloroethene

TCE = trichloroethene

VOC = volatile organic compound

¹Analyzed by U.S. Environmental Protection Agency Method 8260D. Only detected and select VOCs shown in table; see lab report for full list of analytes.

²Washington 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.

³Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater,
<https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC>

**ATTACHMENT A
BORING LOGS**

SITE ASSESSMENT REPORT
University of Washington Tacoma Branch PLP Status
1920 Tacoma Avenue South
Tacoma, Washington

Farallon PN: 2309-001



Log of Boring: FB-01

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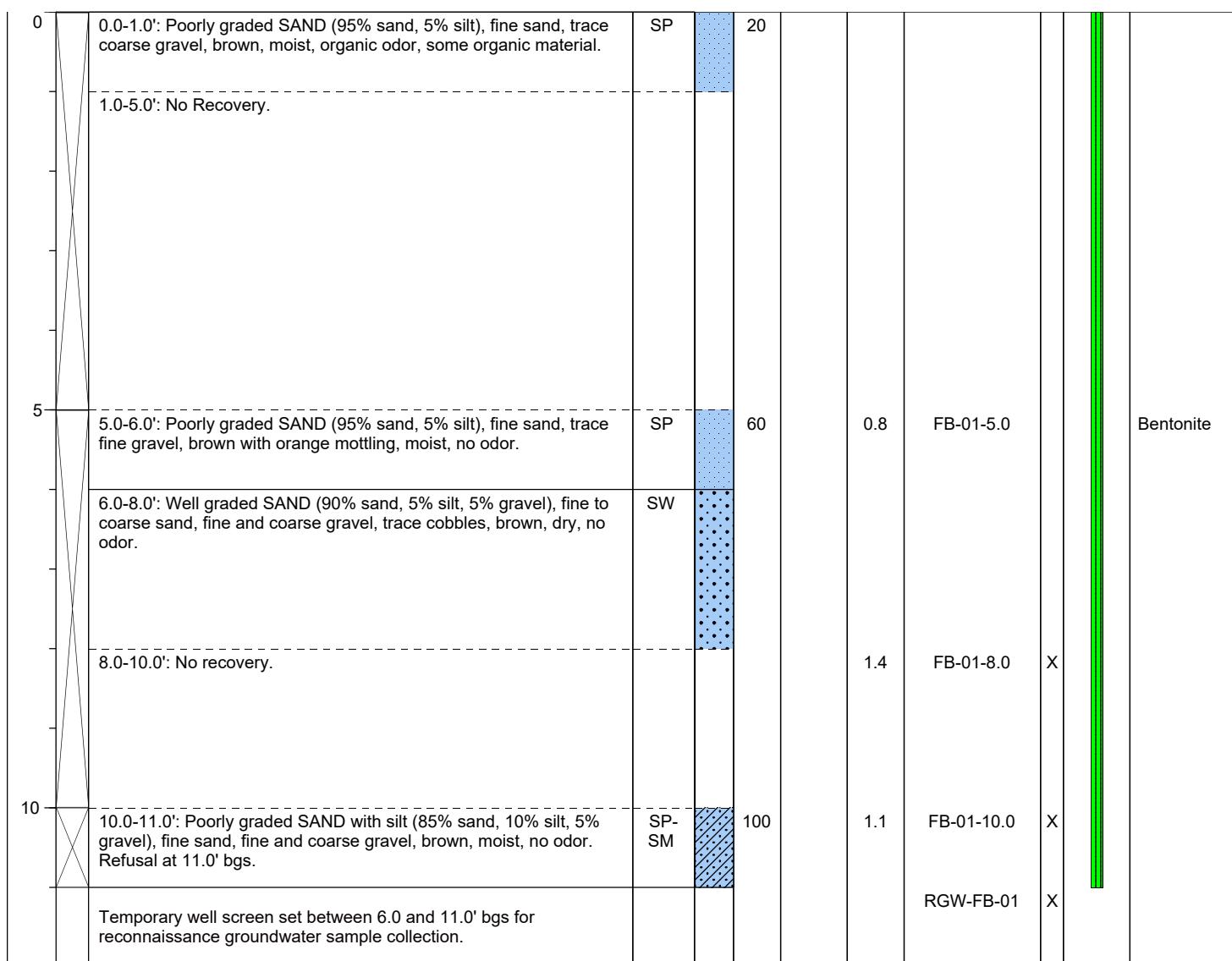
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: C. Banfield

Date/Time Started: 11/11/2019 @ 1053 **Sampler Type:** 5' Macrocore
Date/Time Completed: 11/11/2019 @ 1130 **Drive Hammer (lbs.):** Auto
Equipment: 7822 DT **Depth of Water ATD (ft bgs):** NE
Drilling Company: Holt **Total Boring Depth (ft bgs):** 11.0
Drilling Foreman: Mike Renning **Total Well Depth (ft bgs):** 11.0 (Temp.)
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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: N/A

Casing Diameter (inches): 1.0 (Temp.)

Screen Slot Size (inches): 0.010 (Temp.)

Screened Interval (ft bgs): 6.0-11.0 (Temp.)

Filter Pack:

N/A

Surface Seal:

Bentonite and backfill

Annular Seal:

N/A

Boring Abandonment: Bentonite

Ground Surface Elevation (ft): N/A

N/A

Top of Casing Elevation (ft): N/A

N/A

Surveyed Location: X: N/A

Y: N/A

Unique Well ID: N/A



Log of Boring: FB-02

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Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: C. Banfield

Date/Time Started: 11/11/2019 @ 0932

Sampler Type: 5' Macrocore

Date/Time Completed: 11/11/2019 @ 0958

Drive Hammer (lbs.): Auto

Equipment: 7822 DT

Depth of Water ATD (ft bgs): NE

Drilling Company: Holt

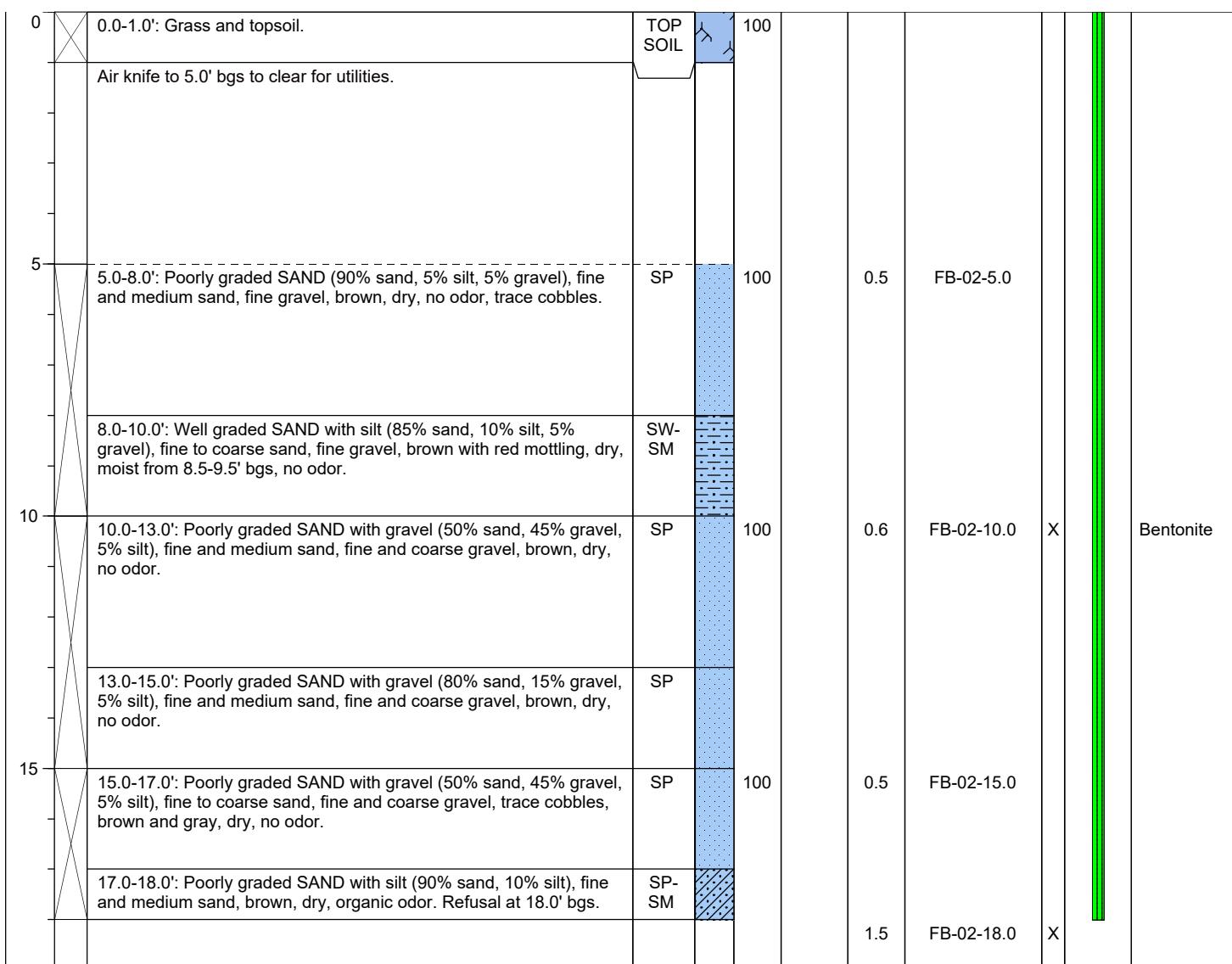
Total Boring Depth (ft bgs): 18.0

Drilling Foreman: Mike Renning

Total Well Depth (ft bgs): N/A

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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: N/A

Filter Pack: N/A

Ground Surface Elevation (ft): N/A

Casing Diameter (inches): N/A

Surface Seal: Bentonite and backfill

Top of Casing Elevation (ft): N/A

Screen Slot Size (inches): N/A

Annular Seal: N/A

Surveyed Location: X: N/A Y: N/A

Screened Interval (ft bgs): N/A

Boring Abandonment: Bentonite

Unique Well ID: N/A



Log of Boring: FB-03

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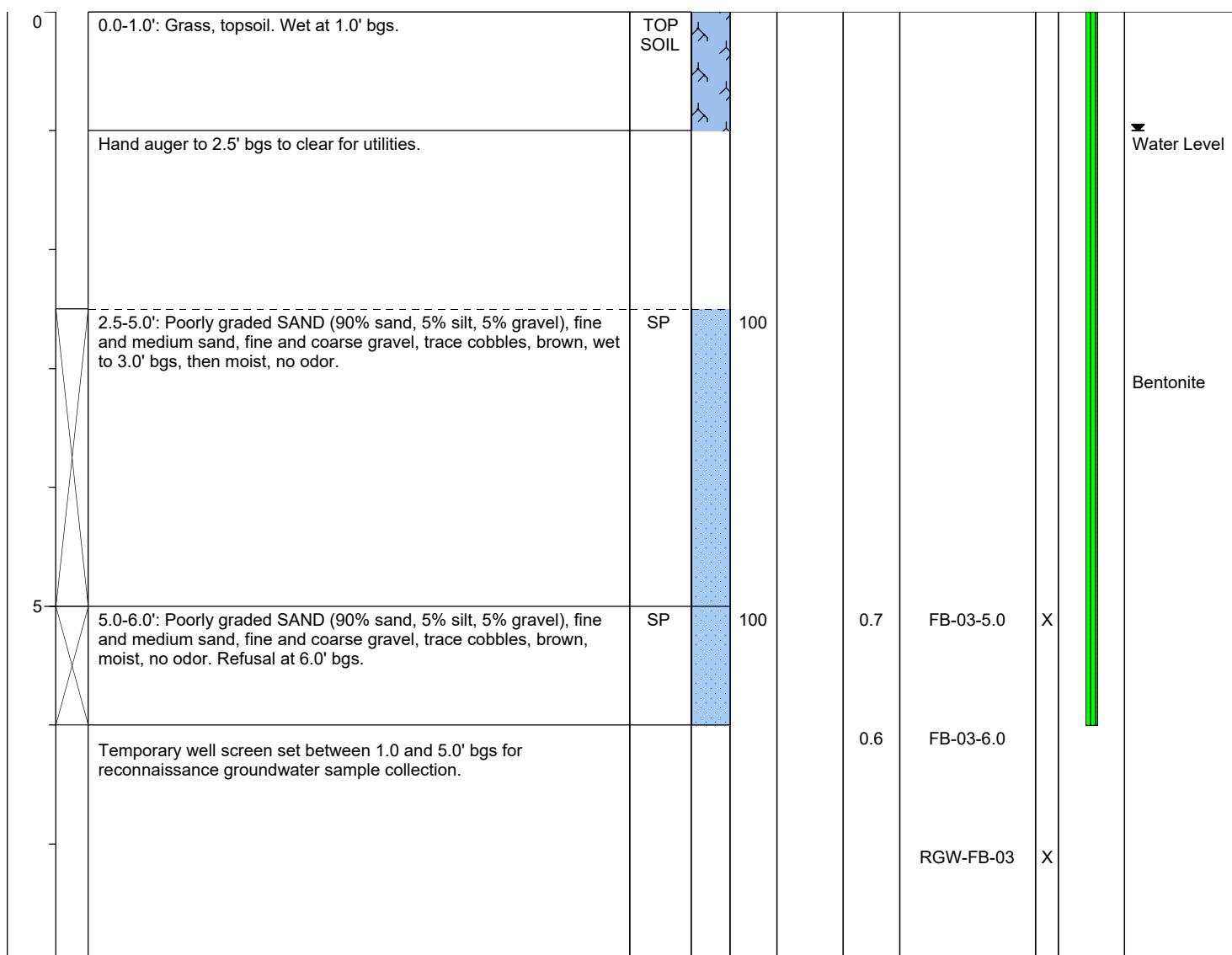
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: C. Banfield

Date/Time Started: 11/11/2019 @ 1315 **Sampler Type:** 5' Macrocore
Date/Time Completed: 11/11/2019 @ 1330 **Drive Hammer (lbs.):** Auto
Equipment: 7822 DT **Depth of Water ATD (ft bgs):** 1.0
Drilling Company: Holt **Total Boring Depth (ft bgs):** 6.0
Drilling Foreman: Mike Renning **Total Well Depth (ft bgs):** 5.0 (Temp.)
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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: N/A

Casing Diameter (inches): 1.0 (Temp.)

Screen Slot Size (inches): 0.010 (Temp.)

Screened Interval (ft bgs): 1.0-5.0 (Temp.)

Filter Pack:

N/A

Surface Seal:

Bentonite and backfill

Annular Seal:

N/A

Boring Abandonment: Bentonite

Ground Surface Elevation (ft): N/A

N/A

Top of Casing Elevation (ft): N/A

N/A

Surveyed Location: X: N/A

Y: N/A

Unique Well ID: N/A



Log of Boring: FB-04

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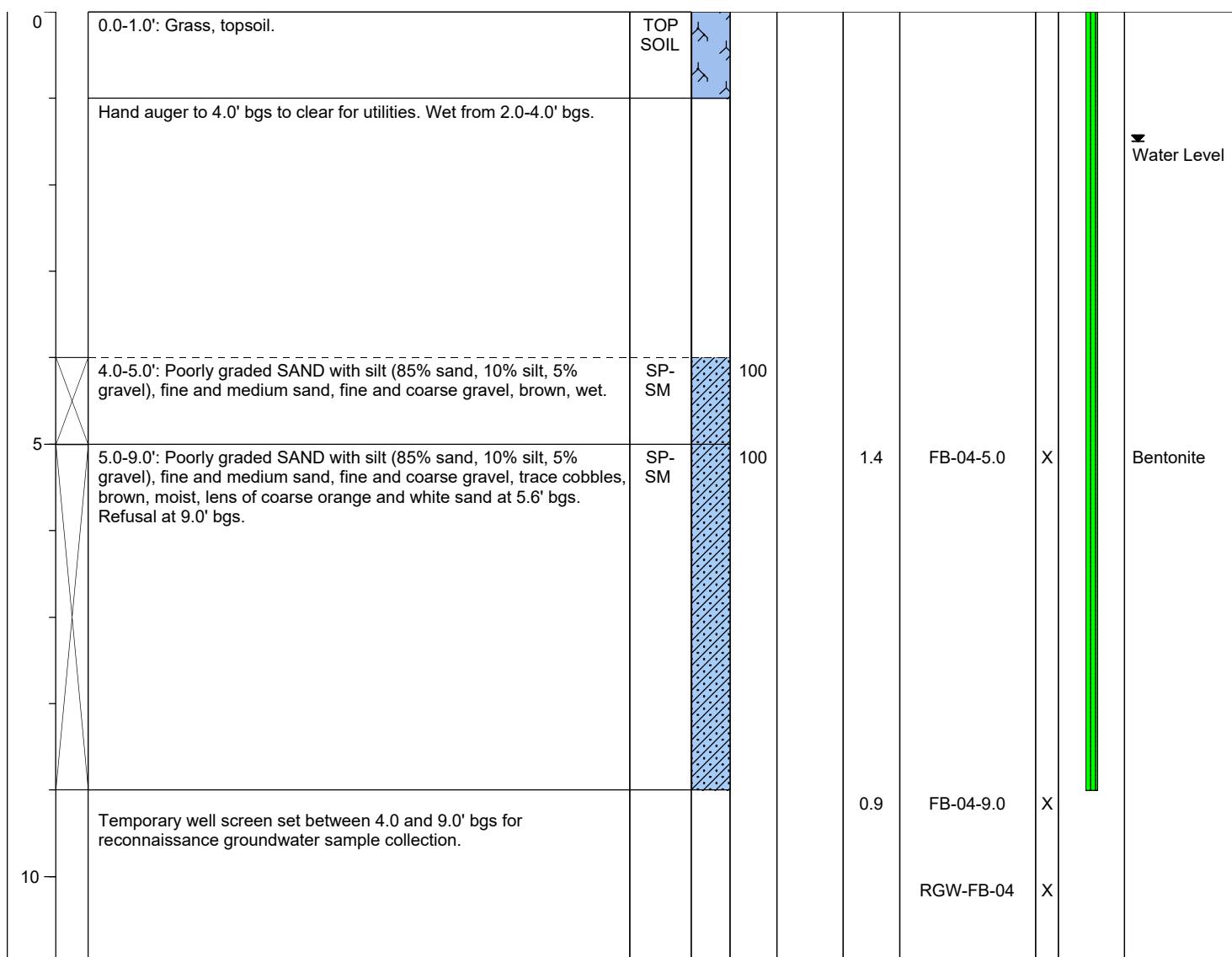
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: C. Banfield

Date/Time Started: 11/11/2019 @ 1405 **Sampler Type:** 5' Macrocore
Date/Time Completed: 11/11/2019 @ 1435 **Drive Hammer (lbs.):** Auto
Equipment: 7822 DT **Depth of Water ATD (ft bgs):** 1.5
Drilling Company: Holt **Total Boring Depth (ft bgs):** 9.0
Drilling Foreman: Mike Renning **Total Well Depth (ft bgs):** 9.0 (Temp.)
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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | | | | | | | | |
|-------------------------------|-----------------|---------------------|------------------------|--------------------------------|--------|--------|--|--|--|--|
| Monument Type: | N/A | Filter Pack: | N/A | Ground Surface Elevation (ft): | N/A | | | | | |
| Casing Diameter (inches): | 1.0 (Temp.) | Surface Seal: | Bentonite and backfill | Top of Casing Elevation (ft): | N/A | | | | | |
| Screen Slot Size (inches): | 0.010 (Temp.) | Annular Seal: | N/A | Surveyed Location: | X: N/A | Y: N/A | | | | |
| Screened Interval (ft bgs): | 4.0-9.0 (Temp.) | Boring Abandonment: | Bentonite | Unique Well ID: | N/A | | | | | |



Log of Boring: FB-05

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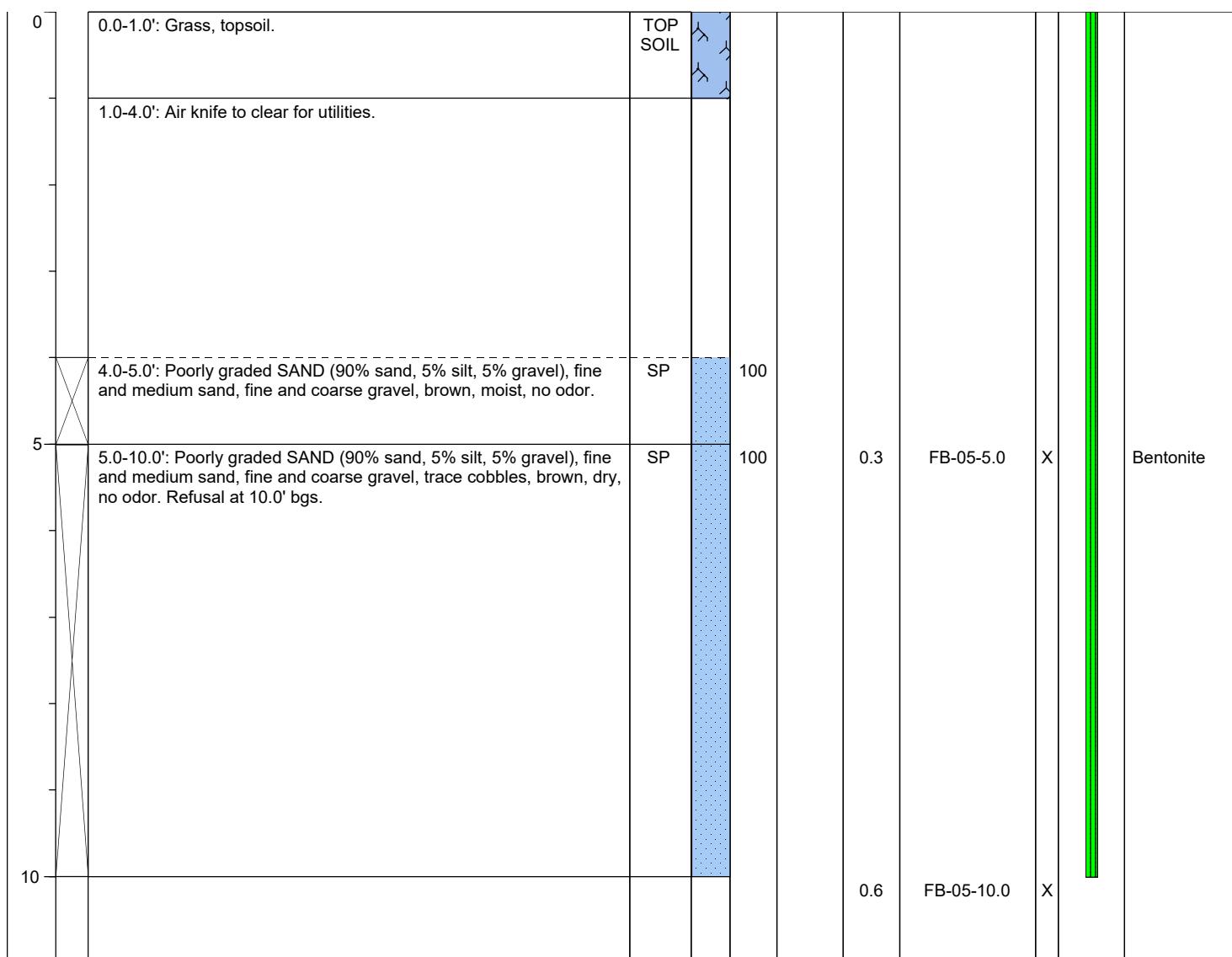
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: C. Banfield

Date/Time Started: 11/11/2019 @ 1435 **Sampler Type:** 5' Macrocore
Date/Time Completed: 11/11/2019 @ 1515 **Drive Hammer (lbs.):** Auto
Equipment: 7822 DT **Depth of Water ATD (ft bgs):** NE
Drilling Company: Holt **Total Boring Depth (ft bgs):** 10.0
Drilling Foreman: Mike Renning **Total Well Depth (ft bgs):** N/A
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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | | | | | | | | | |
|-------------------------------|-----|---------------------|------------------------|--------------------------------|--------|--------|--|--|--|--|--|
| Monument Type: | N/A | Filter Pack: | N/A | Ground Surface Elevation (ft): | N/A | | | | | | |
| Casing Diameter (inches): | N/A | Surface Seal: | Bentonite and backfill | Top of Casing Elevation (ft): | N/A | | | | | | |
| Screen Slot Size (inches): | N/A | Annular Seal: | N/A | Surveyed Location: | X: N/A | Y: N/A | | | | | |
| Screened Interval (ft bgs): | N/A | Boring Abandonment: | Bentonite | Unique Well ID: | N/A | | | | | | |



Log of Boring: FB-06

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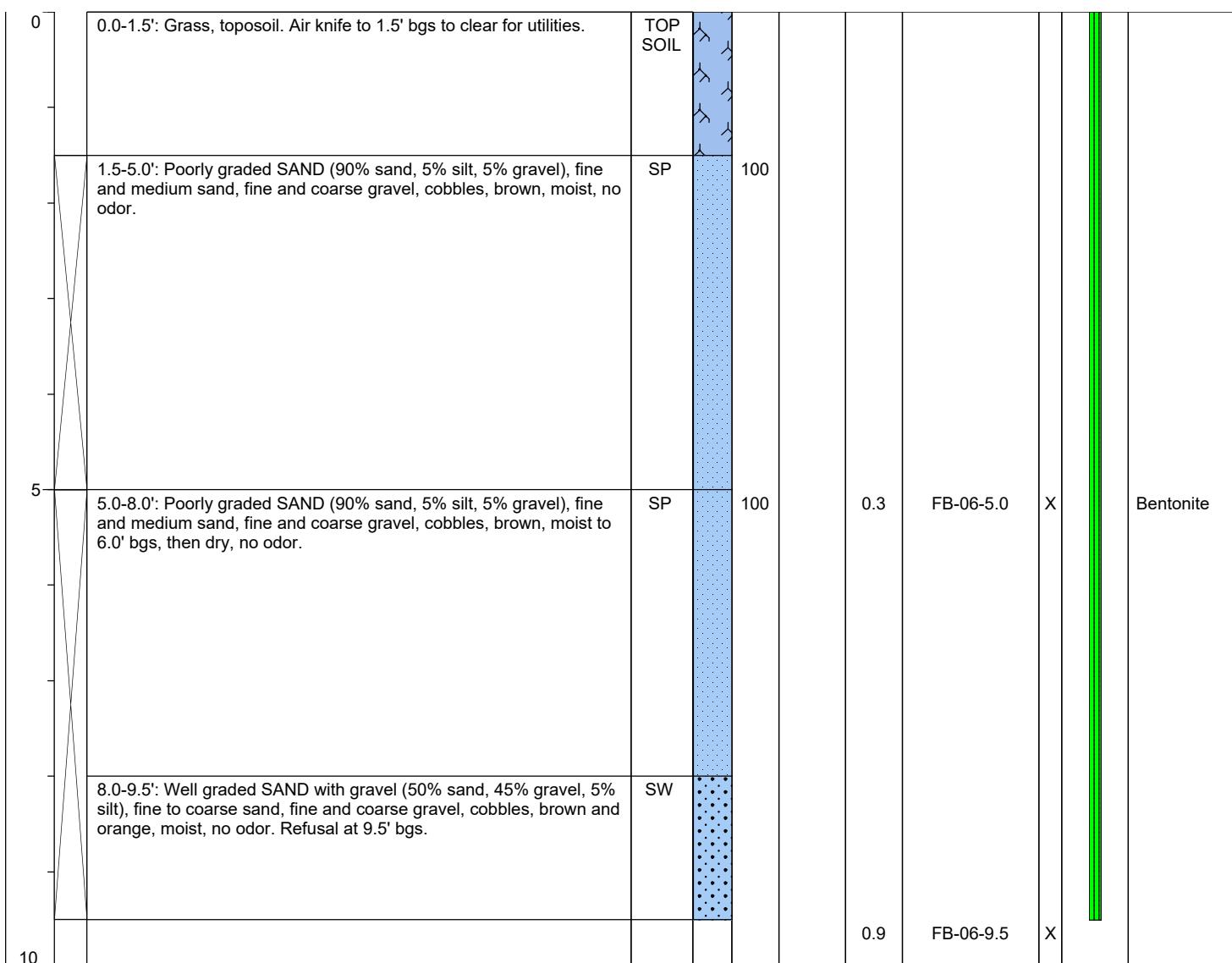
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: C. Banfield

Date/Time Started: 11/11/2019 @ 1535 **Sampler Type:** 5' Macrocore
Date/Time Completed: 11/11/2019 @ 1550 **Drive Hammer (lbs.):** Auto
Equipment: 7822 DT **Depth of Water ATD (ft bgs):** NE
Drilling Company: Holt **Total Boring Depth (ft bgs):** 9.5
Drilling Foreman: Mike Renning **Total Well Depth (ft bgs):** N/A
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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: N/A

Casing Diameter (inches): N/A

Screen Slot Size (inches): N/A

Screened Interval (ft bgs): N/A

Filter Pack:

N/A

Surface Seal:

Bentonite and backfill

Annular Seal:

N/A

Boring Abandonment: Bentonite

Ground Surface Elevation (ft): N/A

Top of Casing Elevation (ft): N/A

Surveyed Location: X: N/A

Y: N/A

Unique Well ID: N/A



Log of Boring: FB-07

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Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: C. Banfield

Date/Time Started: 11/12/2019 @ 1035 **Sampler Type:** 5' Macrocore
Date/Time Completed: 11/12/2019 @ 1042 **Drive Hammer (lbs.):** Auto
Equipment: 7822 DT **Depth of Water ATD (ft bgs):** 2.4
Drilling Company: Holt **Total Boring Depth (ft bgs):** 5.0
Drilling Foreman: Mike Renning **Total Well Depth (ft bgs):** 5.0 (Temp.)
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 | 0.0-1.0': Grass, topsoil. Air knife to 1.0' bgs to clear for utilities. | TOP SOIL | | 100 | | | | | | |
| | 1.0-2.6': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to coarse sand, fine and coarse gravel, trace cobbles, gray, moist, no odor. Wet at 2.4' bgs. | SM | | | | | | RGW-FB-07 | X | Water Level |
| | 2.6-5.0': Silty SAND (85% sand, 15% silt), fine and medium sand, trace fine gravel, gray, moist, no odor. Wet at 4.8' bgs. | SM | | | | | | | | Bentonite |
| 5 | Temporary well screen set between 0.0 and 5.0' bgs for reconnaissance groundwater sample collection. | | | | | | | FB-07-5.0 | X | |

| Well Construction Information | | | | | | | | | | |
|-------------------------------|-----------------|---------------------|------------------------|--------------------------------|--------|--------|--|--|--|--|
| Monument Type: | N/A | Filter Pack: | N/A | Ground Surface Elevation (ft): | N/A | | | | | |
| Casing Diameter (inches): | 1.0 (Temp.) | Surface Seal: | Bentonite and backfill | Top of Casing Elevation (ft): | N/A | | | | | |
| Screen Slot Size (inches): | 0.010 (Temp.) | Annular Seal: | N/A | Surveyed Location: | X: N/A | Y: N/A | | | | |
| Screened Interval (ft bgs): | 0.0-5.0 (Temp.) | Boring Abandonment: | Bentonite | Unique Well ID: | N/A | | | | | |



Log of Boring: FB-08

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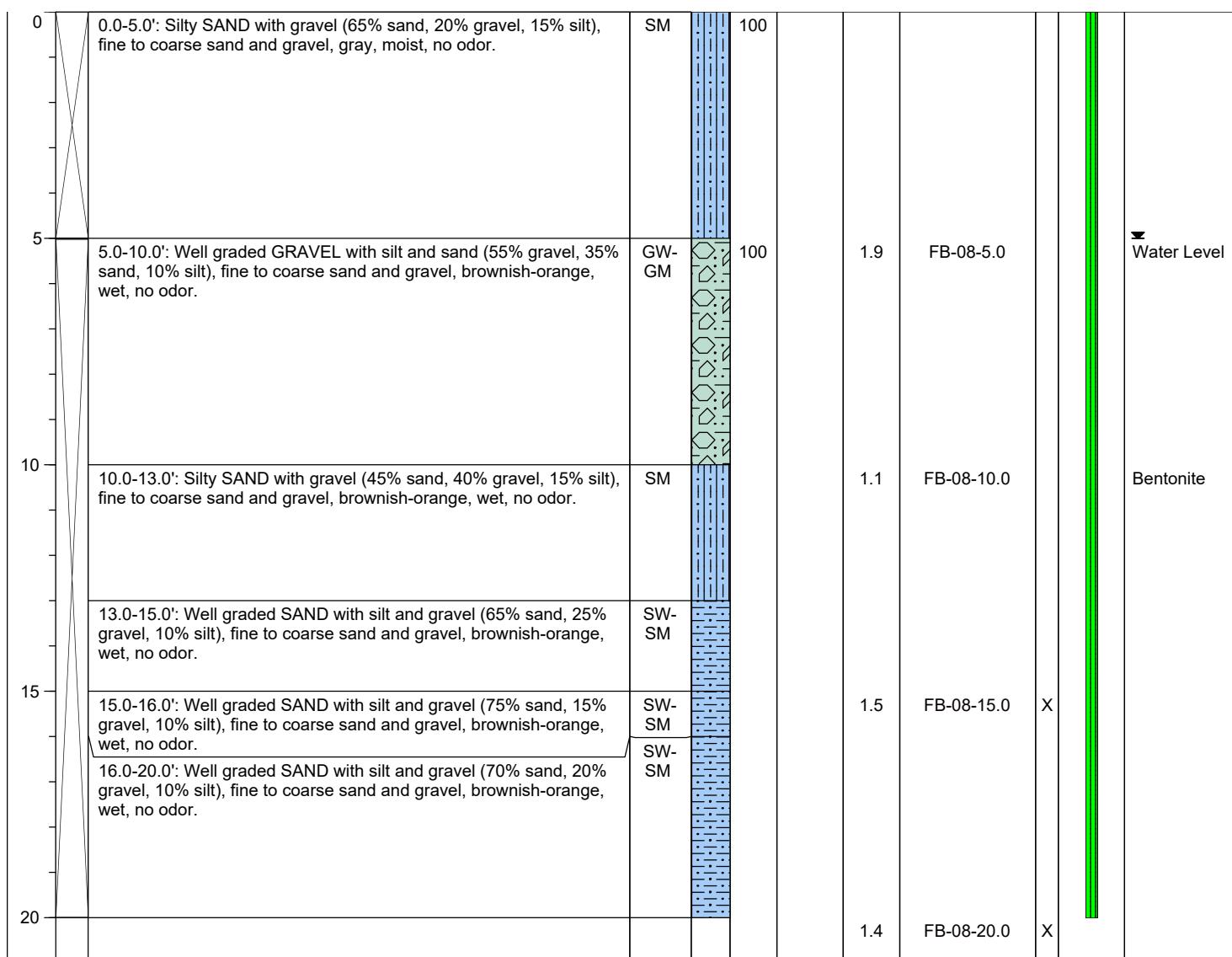
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: M. Gehring

Date/Time Started: 11/15/2019 @ 1350 **Sampler Type:** 10' Corebarrel
Date/Time Completed: 11/15/2019 @ 1440 **Drive Hammer (lbs.):** Auto
Equipment: TS 150 **Depth of Water ATD (ft bgs):** 5.0
Drilling Company: Holt **Total Boring Depth (ft bgs):** 20.0
Drilling Foreman: Arthur Wischott **Total Well Depth (ft bgs):** N/A
Drilling Method: Sonic

| 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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | | | | | | | | | |
|-------------------------------|-----|---------------------|------------------------|--------------------------------|--------|--------|--|--|--|--|--|
| Monument Type: | N/A | Filter Pack: | N/A | Ground Surface Elevation (ft): | N/A | | | | | | |
| Casing Diameter (inches): | N/A | Surface Seal: | Bentonite and backfill | Top of Casing Elevation (ft): | N/A | | | | | | |
| Screen Slot Size (inches): | N/A | Annular Seal: | N/A | Surveyed Location: | X: N/A | Y: N/A | | | | | |
| Screened Interval (ft bgs): | N/A | Boring Abandonment: | Bentonite | Unique Well ID: | N/A | | | | | | |



Log of Boring: FMW-01D

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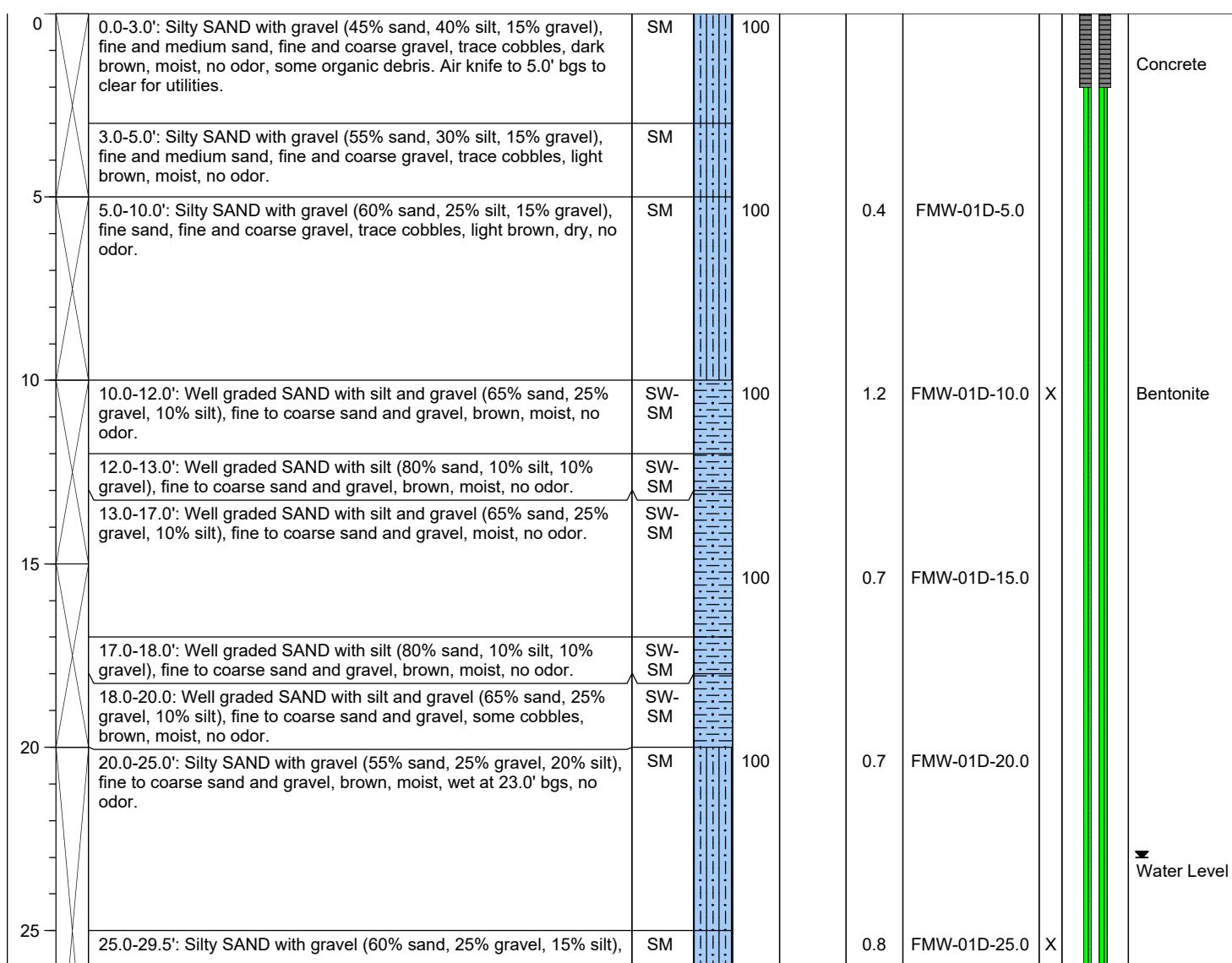
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: M. Gehring

Date/Time Started: 11/13/2019 @ 1000 **Sampler Type:** 10' Corebarrel
Date/Time Completed: 11/13/2019 @ 1430 **Drive Hammer (lbs.):** Auto
Equipment: TS 150 **Depth of Water ATD (ft bgs):** 30.0
Drilling Company: Holt **Total Boring Depth (ft bgs):** 50.0
Drilling Foreman: Arthur Wischatt **Total Well Depth (ft bgs):** 46.0
Drilling Method: Sonic

| 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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | | | | | | | | | |
|-------------------------------|-------------|---------------------|------------|--------------------------------|---------|--------|--|--|--|--|--|
| Monument Type: | Flush Mount | Filter Pack: | 10x20 Sand | Ground Surface Elevation (ft): | N/A | | | | | | |
| Casing Diameter (inches): | 2.0" | Surface Seal: | Concrete | Top of Casing Elevation (ft): | N/A | | | | | | |
| Screen Slot Size (inches): | 0.010 | Annular Seal: | Bentonite | Surveyed Location: | X: N/A | Y: N/A | | | | | |
| Screened Interval (ft bgs): | 31.0-46.0 | Boring Abandonment: | N/A | Unique Well ID: | BME-507 | | | | | | |



Log of Boring: FMW-01D

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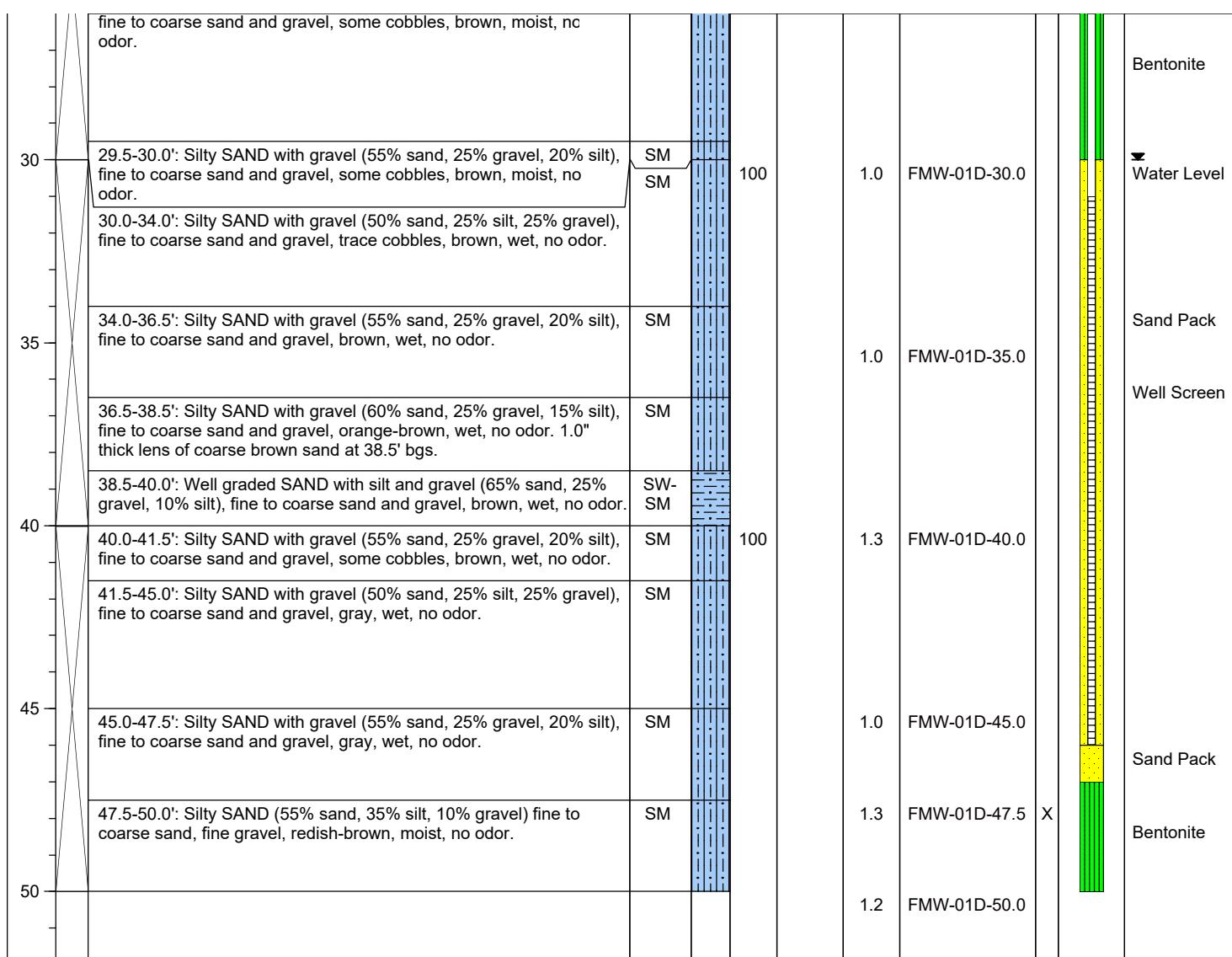
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: M. Gehring

Date/Time Started: 11/13/2019 @ 1000 **Sampler Type:** 10' Corebarrel
Date/Time Completed: 11/13/2019 @ 1430 **Drive Hammer (lbs.):** Auto
Equipment: TS 150 **Depth of Water ATD (ft bgs):** 30.0
Drilling Company: Holt **Total Boring Depth (ft bgs):** 50.0
Drilling Foreman: Arthur Wischatt **Total Well Depth (ft bgs):** 46.0
Drilling Method: Sonic

| 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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | | | | | | | | | |
|-------------------------------|-------------|---------------------|------------|--------------------------------|---------|--------|--|--|--|--|--|
| Monument Type: | Flush Mount | Filter Pack: | 10x20 Sand | Ground Surface Elevation (ft): | N/A | | | | | | |
| Casing Diameter (inches): | 2.0" | Surface Seal: | Concrete | Top of Casing Elevation (ft): | N/A | | | | | | |
| Screen Slot Size (inches): | 0.010 | Annular Seal: | Bentonite | Surveyed Location: | X: N/A | Y: N/A | | | | | |
| Screened Interval (ft bgs): | 31.0-46.0 | Boring Abandonment: | N/A | Unique Well ID: | BME-507 | | | | | | |



Log of Boring: FMW-02D

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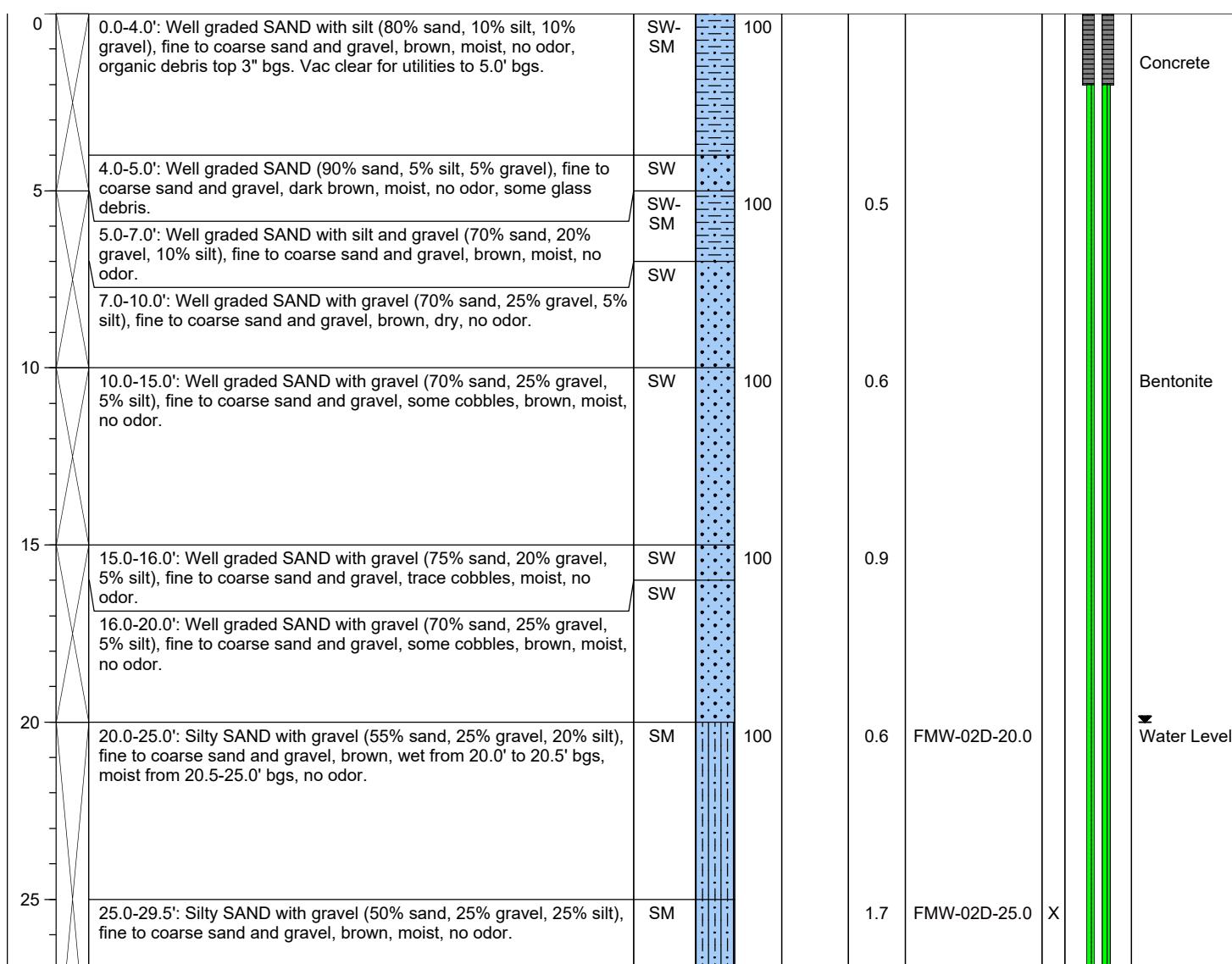
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: M. Gehring

Date/Time Started: 11/14/2019 @ 1020 **Sampler Type:** 10' Corebarrel
Date/Time Completed: 11/14/2019 @ 1400 **Drive Hammer (lbs.):** Auto
Equipment: TS 150 **Depth of Water ATD (ft bgs):** 20.0
Drilling Company: Holt **Total Boring Depth (ft bgs):** 50.0
Drilling Foreman: Arthur Wischatt **Total Well Depth (ft bgs):** 46.0
Drilling Method: Sonic

| 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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0"
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 31.0-46.0

Filter Pack: 10x20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: N/A

Ground Surface Elevation (ft): N/A
Top of Casing Elevation (ft): N/A
Surveyed Location: X: N/A Y: N/A
Unique Well ID: BME-508



Log of Boring: FMW-02D

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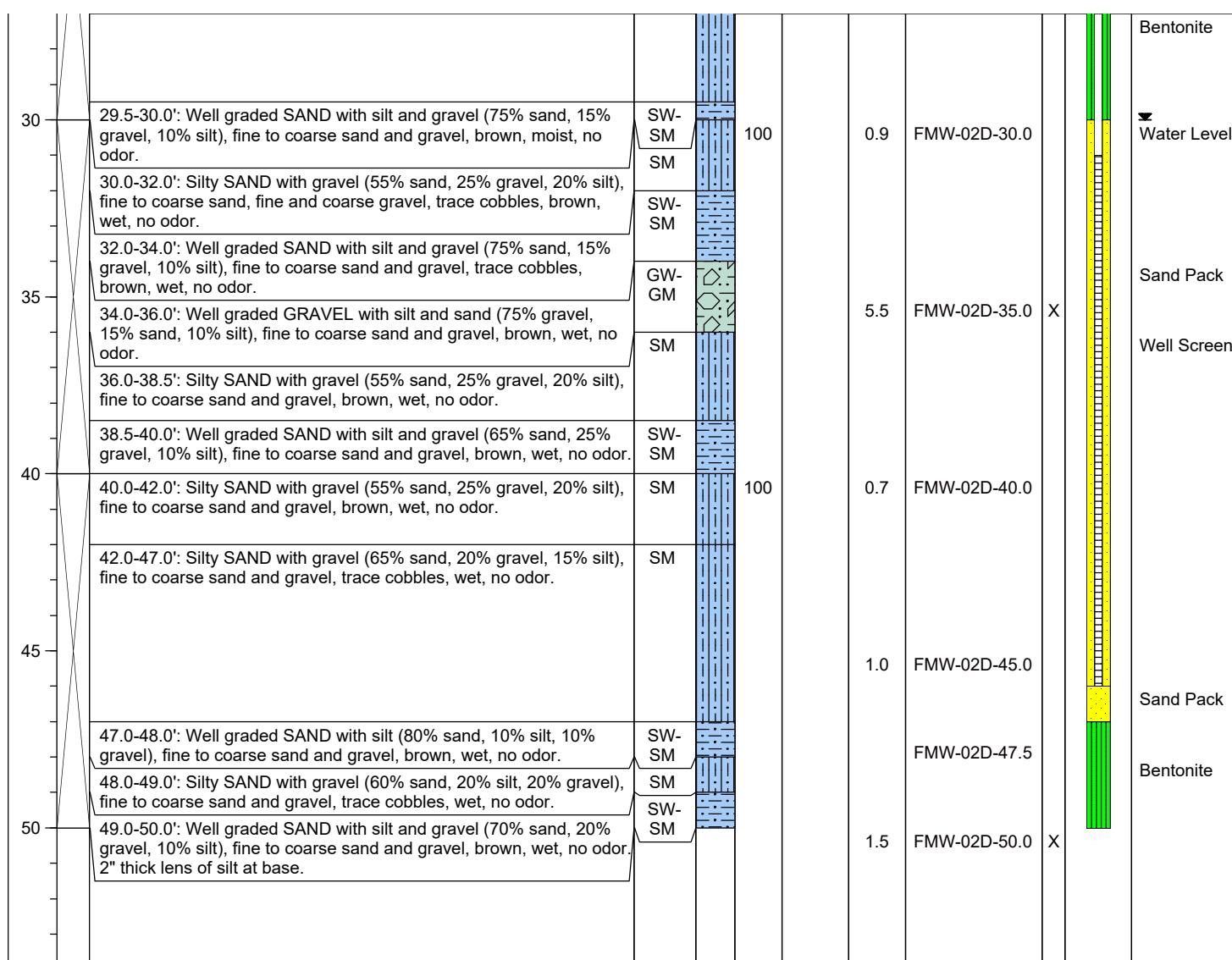
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: M. Gehring

Date/Time Started: 11/14/2019 @ 1020 **Sampler Type:** 10' Corebarrel
Date/Time Completed: 11/14/2019 @ 1400 **Drive Hammer (lbs.):** Auto
Equipment: TS 150 **Depth of Water ATD (ft bgs):** 20.0
Drilling Company: Holt **Total Boring Depth (ft bgs):** 50.0
Drilling Foreman: Arthur Wischatt **Total Well Depth (ft bgs):** 46.0
Drilling Method: Sonic

| 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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|





Log of Boring: FMW-03S

Page 1 of 2

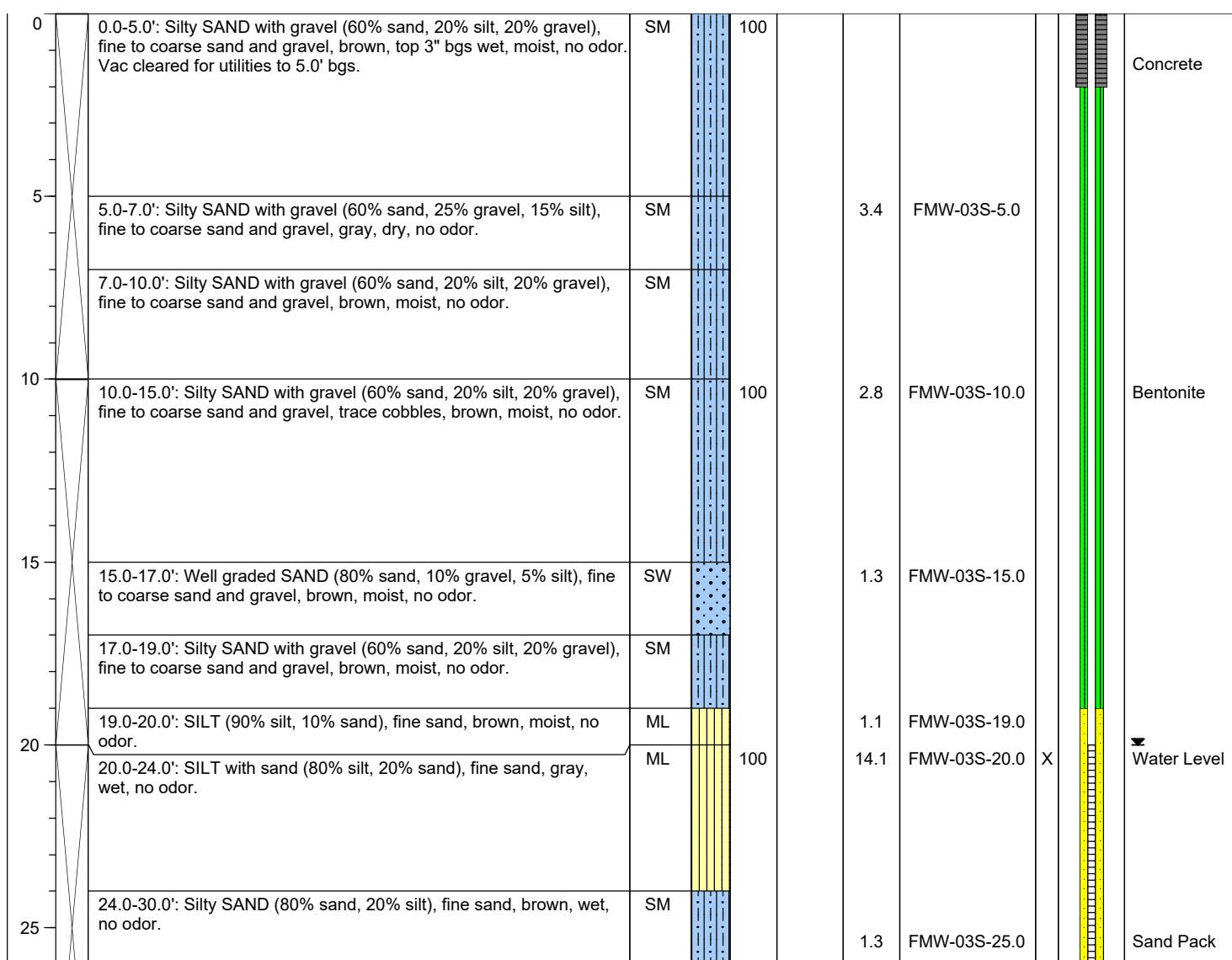
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: M. Gehring

Date/Time Started: 11/15/2019 @ 0840 **Sampler Type:** 10' Corebarrel
Date/Time Completed: 11/15/2019 @ 1200 **Drive Hammer (lbs.):** Auto
Equipment: TS 150 **Depth of Water ATD (ft bgs):** 20.0
Drilling Company: Holt **Total Boring Depth (ft bgs):** 50.0
Drilling Foreman: Arthur Wischatt **Total Well Depth (ft bgs):** 35.0
Drilling Method: Sonic

| 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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0"
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 20.0-35.0

Filter Pack: 10x20 Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: N/A

Ground Surface Elevation (ft): N/A
Top of Casing Elevation (ft): N/A
Surveyed Location: X: N/A Y: N/A
Unique Well ID: BME-509



Log of Boring: FMW-03S

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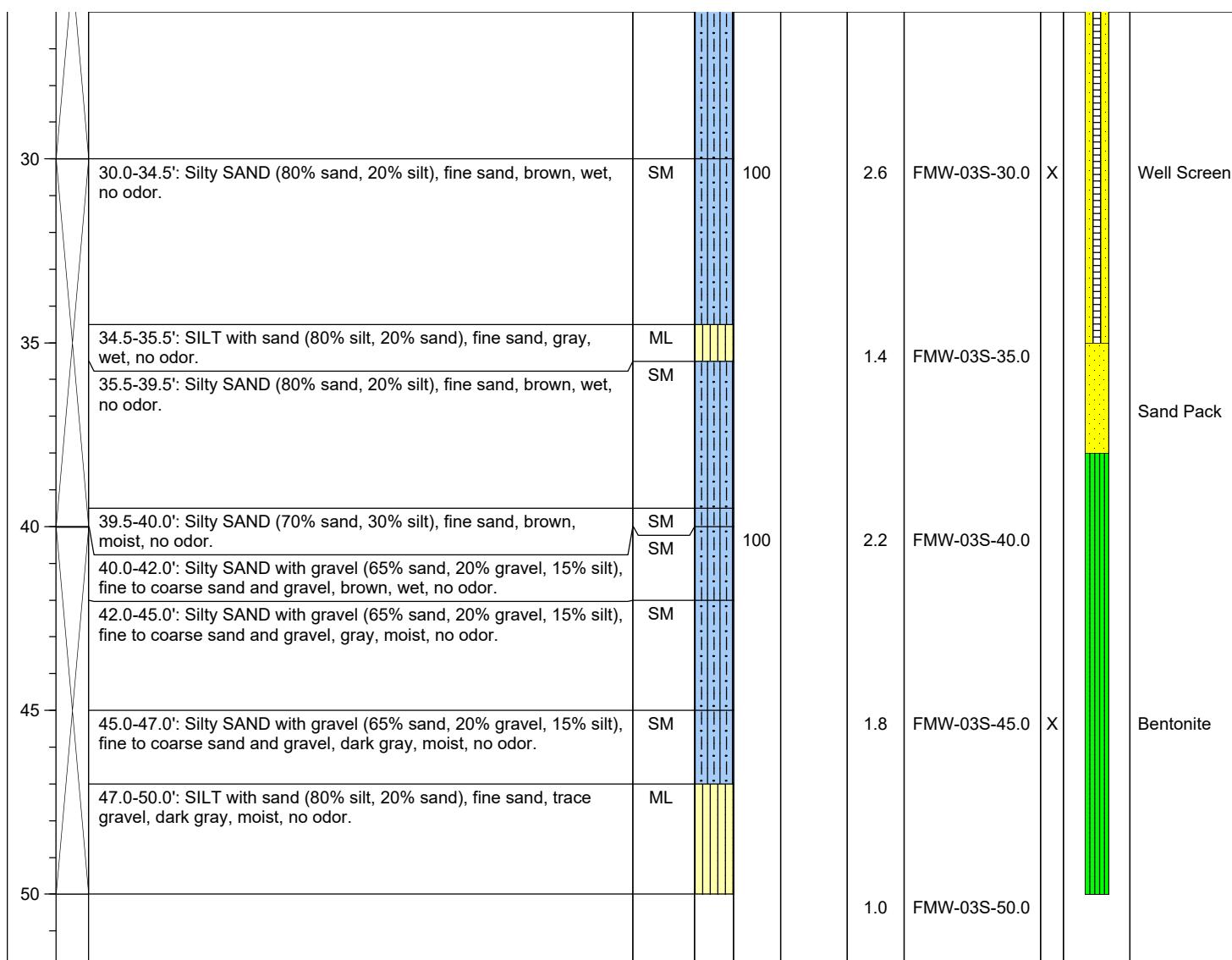
Client: 1920 Tacoma Ave., LLC
Project: 1920 Tacoma Ave
Location: Tacoma, Washington

Farallon PN: 2309-001

Logged By: M. Gehring

Date/Time Started: 11/15/2019 @ 0840 **Sampler Type:** 10' Corebarrel
Date/Time Completed: 11/15/2019 @ 1200 **Drive Hammer (lbs.):** Auto
Equipment: TS 150 **Depth of Water ATD (ft bgs):** 20.0
Drilling Company: Holt **Total Boring Depth (ft bgs):** 50.0
Drilling Foreman: Arthur Wischatt **Total Well Depth (ft bgs):** 35.0
Drilling Method: Sonic

| 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 |
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|
|-------------------|-----------------|------------------------|------|--------------|------------|-------------------|-----------|-----------|-----------------|----------------------------------|



| Well Construction Information | | | | | | | | | | | |
|-------------------------------|-------------|---------------------|------------|--------------------------------|---------|--------|--|--|--|--|--|
| Monument Type: | Flush Mount | Filter Pack: | 10x20 Sand | Ground Surface Elevation (ft): | N/A | | | | | | |
| Casing Diameter (inches): | 2.0" | Surface Seal: | Concrete | Top of Casing Elevation (ft): | N/A | | | | | | |
| Screen Slot Size (inches): | 0.010 | Annular Seal: | Bentonite | Surveyed Location: | X: N/A | Y: N/A | | | | | |
| Screened Interval (ft bgs): | 20.0-35.0 | Boring Abandonment: | N/A | Unique Well ID: | BME-509 | | | | | | |

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

SITE ASSESSMENT REPORT
University of Washington Tacoma Branch PLP Status
1920 Tacoma Avenue South
Tacoma, Washington

Farallon PN: 2309-001



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

November 19, 2019

Yusuf Pehlivan
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 2309-001
Laboratory Reference No. 1911-122

Dear Yusuf:

Enclosed are the analytical results and associated quality control data for samples submitted on November 12, 2019.

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,

A handwritten signature in black ink, appearing to read "DBS".

David Baumeister
Project Manager

Enclosures



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

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 19, 2019
Samples Submitted: November 12, 2019
Laboratory Reference: 1911-122
Project: 2309-001

Case Narrative

Samples were collected on November 11, 2019 and received by the laboratory on November 12, 2019. 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.



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-01-8.0 | | | | | |
| Laboratory ID: | 11-122-02 | | | | | |
| Dichlorodifluoromethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0065 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-01-8.0 | | | | | |
| Laboratory ID: | 11-122-02 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00089 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 90 | 76-131 | | | | |
| Toluene-d8 | 91 | 78-128 | | | | |
| 4-Bromofluorobenzene | 94 | 71-130 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-01-10.0 | | | | | |
| Laboratory ID: | 11-122-03 | | | | | |
| Dichlorodifluoromethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0032 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0032 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0032 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0032 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0046 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-01-10.0 | | | | | |
| Laboratory ID: | 11-122-03 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0032 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0032 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0032 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 93 | 76-131 | | | | |
| Toluene-d8 | 93 | 78-128 | | | | |
| 4-Bromofluorobenzene | 97 | 71-130 | | | | |



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 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-02-10.0 | | | | | |
| Laboratory ID: | 11-122-05 | | | | | |
| Dichlorodifluoromethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0061 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-02-10.0 | | | | | |
| Laboratory ID: | 11-122-05 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00083 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 102 | 76-131 | | | | |
| Toluene-d8 | 101 | 78-128 | | | | |
| 4-Bromofluorobenzene | 106 | 71-130 | | | | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-02-18.0 | | | | | |
| Laboratory ID: | 11-122-07 | | | | | |
| Dichlorodifluoromethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0040 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0040 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0040 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0040 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0058 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-02-18.0 | | | | | |
| Laboratory ID: | 11-122-07 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0040 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0040 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0040 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00079 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 94 | 76-131 | | | | |
| Toluene-d8 | 90 | 78-128 | | | | |
| 4-Bromofluorobenzene | 90 | 71-130 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-03-5.0 | | | | | |
| Laboratory ID: | 11-122-08 | | | | | |
| Dichlorodifluoromethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0036 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0036 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0036 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0036 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0052 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
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 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-03-5.0 | | | | | |
| Laboratory ID: | 11-122-08 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0036 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0036 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0036 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00071 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 91 | 76-131 | | | | |
| Toluene-d8 | 90 | 78-128 | | | | |
| 4-Bromofluorobenzene | 95 | 71-130 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-04-5.0 | | | | | |
| Laboratory ID: | 11-122-10 | | | | | |
| Dichlorodifluoromethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0037 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0037 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0037 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0037 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0055 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-04-5.0 | | | | | |
| Laboratory ID: | 11-122-10 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0037 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0037 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0037 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00075 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 90 | 76-131 | | | | |
| Toluene-d8 | 89 | 78-128 | | | | |
| 4-Bromofluorobenzene | 89 | 71-130 | | | | |



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 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-04-9.0 | | | | | |
| Laboratory ID: | 11-122-11 | | | | | |
| Dichlorodifluoromethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0034 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0034 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0034 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0034 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|---------|-----------------------|---------------|---------------|-------|
| Client ID: | FB-04-9.0 | | | | | |
| Laboratory ID: | 11-122-11 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0034 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0034 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0034 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | | <i>Control Limits</i> | | | |
| Dibromofluoromethane | 90 | | 76-131 | | | |
| Toluene-d8 | 92 | | 78-128 | | | |
| 4-Bromofluorobenzene | 94 | | 71-130 | | | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-05-5.0 | | | | | |
| Laboratory ID: | 11-122-12 | | | | | |
| Dichlorodifluoromethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0041 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0041 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0041 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0041 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0060 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-05-5.0 | | | | | |
| Laboratory ID: | 11-122-12 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0041 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0041 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0041 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00082 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 92 | 76-131 | | | | |
| Toluene-d8 | 92 | 78-128 | | | | |
| 4-Bromofluorobenzene | 96 | 71-130 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-05-10.0 | | | | | |
| Laboratory ID: | 11-122-13 | | | | | |
| Dichlorodifluoromethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0061 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-05-10.0 | | | | | |
| Laboratory ID: | 11-122-13 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0042 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00084 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 95 | 76-131 | | | | |
| Toluene-d8 | 93 | 78-128 | | | | |
| 4-Bromofluorobenzene | 96 | 71-130 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-06-5.0 | | | | | |
| Laboratory ID: | 11-122-14 | | | | | |
| Dichlorodifluoromethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0043 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0043 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0043 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0043 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0063 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-06-5.0 | | | | | |
| Laboratory ID: | 11-122-14 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0043 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0043 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0043 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00086 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 91 | 76-131 | | | | |
| Toluene-d8 | 91 | 78-128 | | | | |
| 4-Bromofluorobenzene | 95 | 71-130 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-06-9.5 | | | | | |
| Laboratory ID: | 11-122-15 | | | | | |
| Dichlorodifluoromethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0039 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0039 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0039 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0039 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0056 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-06-9.5 | | | | | |
| Laboratory ID: | 11-122-15 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0039 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0039 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0039 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00077 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 91 | 76-131 | | | | |
| Toluene-d8 | 93 | 78-128 | | | | |
| 4-Bromofluorobenzene | 99 | 71-130 | | | | |



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

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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1114S1 | | | | | |
| Dichlorodifluoromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0073 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1114S1 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | | | | | | |
| Dibromofluoromethane | 94 | 76-131 | | | | |
| Toluene-d8 | 97 | 78-128 | | | | |
| 4-Bromofluorobenzene | 90 | 71-130 | | | | |



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

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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

| Analyte | Result | Spike Level | | Percent Recovery | | Recovery Limits | RPD RPD | RPD Limit | Flags | | | | | |
|-----------------------------|---------------|---------------|--------|------------------|-----|-----------------|---------|-----------|-------|--|--|--|--|--|
| | | SB | SBD | SB | SBD | | | | | | | | | |
| SPIKE BLANKS | | | | | | | | | | | | | | |
| Laboratory ID: | | SB1114S1 | | | | | | | | | | | | |
| 1,1-Dichloroethene | 0.0464 | 0.0419 | 0.0500 | 0.0500 | 93 | 84 | 57-133 | 10 | 18 | | | | | |
| Benzene | 0.0488 | 0.0465 | 0.0500 | 0.0500 | 98 | 93 | 71-129 | 5 | 16 | | | | | |
| Trichloroethene | 0.0511 | 0.0505 | 0.0500 | 0.0500 | 102 | 101 | 71-122 | 1 | 16 | | | | | |
| Toluene | 0.0494 | 0.0464 | 0.0500 | 0.0500 | 99 | 93 | 74-125 | 6 | 15 | | | | | |
| Chlorobenzene | 0.0488 | 0.0467 | 0.0500 | 0.0500 | 98 | 93 | 72-120 | 4 | 14 | | | | | |
| <i>Surrogate:</i> | | | | | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 92 | 90 | 76-131 | | | | | | | |
| <i>Toluene-d8</i> | | | | | 91 | 90 | 78-128 | | | | | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 96 | 93 | 71-130 | | | | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 12, 2019
 Laboratory Reference: 1911-122
 Project: 2309-001

% MOISTURE

| Client ID | Lab ID | % Moisture | Date Analyzed |
|-------------------|---------------|-------------------|----------------------|
| FB-01-8.0 | 11-122-02 | 7 | 11-15-19 |
| FB-01-10.0 | 11-122-03 | 9 | 11-15-19 |
| FB-02-10.0 | 11-122-05 | 11 | 11-15-19 |
| FB-02-18.0 | 11-122-07 | 7 | 11-15-19 |
| FB-03-5.0 | 11-122-08 | 8 | 11-15-19 |
| FB-04-5.0 | 11-122-10 | 10 | 11-15-19 |
| FB-04-9.0 | 11-122-11 | 7 | 11-15-19 |
| FB-05-5.0 | 11-122-12 | 6 | 11-15-19 |
| FB-05-10.0 | 11-122-13 | 7 | 11-15-19 |
| FB-06-5.0 | 11-122-14 | 8 | 11-15-19 |
| FB-06-9.5 | 11-122-15 | 6 | 11-15-19 |



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

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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-naphthalene) 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 methods 8260 & 8270, 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 2

| Turnaround Request (in working days) | | | |
|---|---------------------------------|--|--|
| (Check One) | | | |
| <input type="checkbox"/> Same Day | <input type="checkbox"/> 1 Day | | |
| <input type="checkbox"/> 2 Days | <input type="checkbox"/> 3 Days | | |
| <input checked="" type="checkbox"/> Standard (7 Days) | | | |

Laboratory Number: 11-122

| | |
|---|-------------------------------------|
| Company: <u>Farrallon</u> | Project Number: <u>23D9-001</u> |
| Project Name: <u>University of WA - Tacoma</u> | Sampled by: <u>Kyle Rehrlwan</u> |
| Sampled by: <u>C.Bentfield</u> | |

| Number of Containers | NWTPH-HCID |
|----------------------|---|
| 5 | NWTPH-Gx/BTEX |
| 1 | NWTPH-Gx |
| 1 | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) |
| 1 | Volatiles 8260C |
| 1 | Halogenated Volatiles 8260C |
| 1 | EDB EPA 8011 (Waters Only) |
| 1 | Semivolatiles 8270D/SIM (with low-level PAHs) |
| 1 | PAHs 8270D/SIM (low-level) |
| 1 | PCBs 8082A |
| 1 | Organochlorine Pesticides 8081B |
| 1 | Organophosphorus Pesticides 8270D/SIM |
| 1 | Chlorinated Acid Herbicides 8151A |
| 1 | Total RCRA Metals |
| 1 | Total MTCA Metals |
| 1 | TCLP Metals |
| 1 | HEM (oil and grease) 1664A |
| 1 | % Moisture |

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Comments/Special Instructions |
|--------|-----------------------|--------------|--------------|--------|-------------------------------|
| 1 | FB-01-5.0 | 11/14/19 | 1110 | 5 | |
| 2 | FB-01-8.0 | | 1115 | | X |
| 3 | FB-01-10.0 | | 1130 | | X |
| 4 | FB-02-5.0 | | 0945 | | |
| 5 | FB-02-10.0 | | 0950 | | |
| 6 | FB-02-15.0 | | 1020 | | X |
| 7 | FB-02-18.0 | | 1020 | | X |
| 8 | FB-03-5.0 | | 1320 | | X |
| 9 | FB-03-6.0 | | 1330 | | X |
| 10 | FB-04-5.0 | | 1430 | | X |

| Relinquished | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|----------------------|------------------|----------|------|--|
| Received | <u>C.Bentfield</u> | <u>Farrallon</u> | 11/11/19 | 1730 | Please Hold. Please contact before analysis |
| Relinquished | <u>R.S.Bentfield</u> | <u>Speedy</u> | 11-12-19 | 1025 | X-Added 11/12/19. DB (STA) |
| Received | <u>Mary Visow</u> | <u>OSF</u> | 11/12/19 | 1117 | |
| Relinquished | | | | | |
| Received | | | | | |
| Reviewed/Date | | | | | Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Reviewed/Date | | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDS) <input checked="" type="checkbox"/> |

Chain of Custody

 Page 2 of 2

| Turnaround Request (in working days) |
|---|
| (Check One) |

Company:

Forelton

Project Number:

2309-001

Project Name:

University of WA-Tukwila

Project Manager:

Jeff Rehrlivien

Sampled by:

C. Barfield

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

THAD

(otter)

Lab ID

Sample Identification

Date Sampled

Time Sampled

Matrix

Number of Containers

| | | | | | | | | | |
|----|------------|--------|------|---|---|---|---|--|---|
| 11 | FB-04-9.0 | 1/1/19 | 1435 | 3 | 5 | X | X | | NWTPH-HCID |
| 12 | FB-05-5.0 | | 1455 | | | X | X | | NWTPH-Gx/BTEX |
| 13 | FB-05-10.0 | | 1515 | | | X | X | | NWTPH-Gx |
| 14 | FB-06-5.0 | | 1540 | | | X | X | | NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up) |
| 15 | FB-06-9.5 | | 1550 | | | X | X | | 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 |

| Signature | Company | Date | Time | Comments/Special Instructions |
|----------------|----------------------|----------|------|-------------------------------|
| Relinquished | <u>John Barfield</u> | 1/1/19 | 1730 | <u>Please Hold Barfield</u> |
| Received | <u>John Barfield</u> | 11-12-19 | 1035 | |
| Relinquished | <u>John Barfield</u> | 11-12-19 | 1117 | |
| Received | <u>John Barfield</u> | 11/13/19 | 1117 | |
| Relinquished | | | | |
| Received | | | | |
| Reviewed/Dates | | | | |

11 - 122

Data Package: Standard

 Level III Level IV

 Chromatograms with final report

 Electronic Data Deliverables (EDDS)



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

November 19, 2019

Yusuf Pehlivan
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 2309-001
Laboratory Reference No. 1911-130

Dear Yusuf:

Enclosed are the analytical results and associated quality control data for samples submitted on November 13, 2019.

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,

A handwritten signature in black ink, appearing to read "DBS".

David Baumeister
Project Manager

Enclosures



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

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Date of Report: November 19, 2019
Samples Submitted: November 13, 2019
Laboratory Reference: 1911-130
Project: 2309-001

Case Narrative

Samples were collected on November 12, 2019 and received by the laboratory on November 13, 2019. 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.

Halogenated Volatiles EPA 8260C Analysis:

Due to the levels of sediment present in the VOA vials provided for sample RGW-FB-07, the aqueous layers from two VOA vials were combined to perform the requested analysis. Some loss of volatiles may have occurred.

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



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|------|-----------|---------------|---------------|-------|
| Client ID: | RGW-FB-03 | | | | | |
| Laboratory ID: | 11-130-01 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.37 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 2.2 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | RGW-FB-03 | | | | | |
| Laboratory ID: | 11-130-01 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.4 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.26 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 101 | 75-127 | | | | |
| Toluene-d8 | 102 | 80-127 | | | | |
| 4-Bromofluorobenzene | 96 | 78-125 | | | | |



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

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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water

Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|------|-----------|---------------|---------------|-------|
| Client ID: | RGW-FB-04 | | | | | |
| Laboratory ID: | 11-130-02 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.37 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 2.2 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | RGW-FB-04 | | | | | |
| Laboratory ID: | 11-130-02 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.4 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.26 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 105 | 75-127 | | | | |
| Toluene-d8 | 102 | 80-127 | | | | |
| 4-Bromofluorobenzene | 99 | 78-125 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|------|-----------|---------------|---------------|-------|
| Client ID: | RGW-FB-01 | | | | | |
| Laboratory ID: | 11-130-03 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.37 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 2.2 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | RGW-FB-01 | | | | | |
| Laboratory ID: | 11-130-03 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.4 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.26 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 103 | 75-127 | | | | |
| Toluene-d8 | 101 | 80-127 | | | | |
| 4-Bromofluorobenzene | 99 | 78-125 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water

Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|------|-----------|---------------|---------------|-------|
| Client ID: | RGW-FB-07 | | | | | |
| Laboratory ID: | 11-130-04 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.37 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 2.2 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | RGW-FB-07 | | | | | |
| Laboratory ID: | 11-130-04 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.4 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.26 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 102 | 75-127 | | | | |
| Toluene-d8 | 100 | 80-127 | | | | |
| 4-Bromofluorobenzene | 96 | 78-125 | | | | |



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

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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Water
 Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1114W1 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.37 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 2.2 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |



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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|----------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1114W1 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.4 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.26 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| Dibromofluoromethane | 103 | 75-127 | | | | |
| Toluene-d8 | 102 | 80-127 | | | | |
| 4-Bromofluorobenzene | 98 | 78-125 | | | | |



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

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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Water

Units: ug/L

| Analyte | Result | Spike Level | | Percent Recovery | | Recovery Limits | RPD RPD | RPD Limit | Flags | | | | | | | |
|-----------------------------|-------------|-------------|--------|------------------|-----|-----------------|---------|-----------|-------|--|--|--|--|--|--|--|
| | | Recovery | Limits | | | | | | | | | | | | | |
| SPIKE BLANKS | | | | | | | | | | | | | | | | |
| Laboratory ID: SB1114W1 | | | | | | | | | | | | | | | | |
| | | SB | SBD | SB | SBD | SB | SBD | | | | | | | | | |
| 1,1-Dichloroethene | 11.8 | 11.1 | 10.0 | 10.0 | 118 | 111 | 63-130 | 6 | 17 | | | | | | | |
| Benzene | 11.2 | 10.7 | 10.0 | 10.0 | 112 | 107 | 76-125 | 5 | 19 | | | | | | | |
| Trichloroethene | 11.2 | 10.6 | 10.0 | 10.0 | 112 | 106 | 76-121 | 6 | 18 | | | | | | | |
| Toluene | 11.1 | 10.5 | 10.0 | 10.0 | 111 | 105 | 80-124 | 6 | 18 | | | | | | | |
| Chlorobenzene | 11.1 | 10.3 | 10.0 | 10.0 | 111 | 103 | 75-120 | 7 | 19 | | | | | | | |
| <i>Surrogate:</i> | | | | | | | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 103 | 104 | 75-127 | | | | | | | | | |
| <i>Toluene-d8</i> | | | | | 102 | 102 | 80-127 | | | | | | | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 99 | 99 | 78-125 | | | | | | | | | |



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 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-07-5.0 | | | | | |
| Laboratory ID: | 11-130-05 | | | | | |
| Dichlorodifluoromethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Chloromethane | ND | 0.0057 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Vinyl Chloride | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromomethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Chloroethane | ND | 0.0045 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Trichlorofluoromethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1-Dichloroethene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Iodomethane | ND | 0.0045 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Methylene Chloride | ND | 0.0045 | EPA 8260D | 11-13-19 | 11-13-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1-Dichloroethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 2,2-Dichloropropane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromochloromethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Chloroform | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1,1-Trichloroethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Carbon Tetrachloride | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1-Dichloropropene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dichloroethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Trichloroethene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dichloropropane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Dibromomethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromodichloromethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.011 | EPA 8260D | 11-13-19 | 11-13-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |



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 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-07-5.0 | | | | | |
| Laboratory ID: | 11-130-05 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Tetrachloroethene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,3-Dichloropropane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Dibromochloromethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dibromoethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Chlorobenzene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromoform | ND | 0.0057 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromobenzene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0012 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2,3-Trichloropropane | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 2-Chlorotoluene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 4-Chlorotoluene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,3-Dichlorobenzene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,4-Dichlorobenzene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dichlorobenzene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0057 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Hexachlorobutadiene | ND | 0.0056 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00089 | EPA 8260D | 11-13-19 | 11-13-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 91 | 76-131 | | | | |
| Toluene-d8 | 95 | 78-128 | | | | |
| 4-Bromofluorobenzene | 92 | 71-130 | | | | |



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 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1113S1 | | | | | |
| Dichlorodifluoromethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Chloromethane | ND | 0.0064 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromomethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Chloroethane | ND | 0.0050 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Iodomethane | ND | 0.0050 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Methylene Chloride | ND | 0.0050 | EPA 8260D | 11-13-19 | 11-13-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Chloroform | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Dibromomethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.012 | EPA 8260D | 11-13-19 | 11-13-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |



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 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|----------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1113S1 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromoform | ND | 0.0064 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Bromobenzene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0013 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0064 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Hexachlorobutadiene | ND | 0.0063 | EPA 8260D | 11-13-19 | 11-13-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-13-19 | 11-13-19 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| Dibromofluoromethane | 92 | 76-131 | | | | |
| Toluene-d8 | 93 | 78-128 | | | | |
| 4-Bromofluorobenzene | 96 | 71-130 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 13, 2019
 Laboratory Reference: 1911-130
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil

Units: mg/kg

| Analyte | Result | | Spike Level | | Percent Recovery | | Recovery | RPD | RPD | Flags | | |
|-----------------------------|---------------|---------------|-------------|--------|------------------|-----|----------|-----|-----|-------|--|--|
| | Recovery | Limits | RPD | Limit | | | | | | | | |
| SPIKE BLANKS | | | | | | | | | | | | |
| Laboratory ID: SB1113S1 | | | | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | | | |
| 1,1-Dichloroethene | 0.0472 | 0.0492 | 0.0500 | 0.0500 | 94 | 98 | 57-133 | 4 | 18 | | | |
| Benzene | 0.0517 | 0.0528 | 0.0500 | 0.0500 | 103 | 106 | 71-129 | 2 | 16 | | | |
| Trichloroethene | 0.0564 | 0.0579 | 0.0500 | 0.0500 | 113 | 116 | 71-122 | 3 | 16 | | | |
| Toluene | 0.0523 | 0.0544 | 0.0500 | 0.0500 | 105 | 109 | 74-125 | 4 | 15 | | | |
| Chlorobenzene | 0.0529 | 0.0523 | 0.0500 | 0.0500 | 106 | 105 | 72-120 | 1 | 14 | | | |
| <i>Surrogate:</i> | | | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 90 | 91 | 76-131 | | | | | |
| <i>Toluene-d8</i> | | | | | 93 | 94 | 78-128 | | | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 96 | 95 | 71-130 | | | | | |



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Laboratory Reference: 1911-130
Project: 2309-001

% MOISTURE

| Client ID | Lab ID | % Moisture | Date Analyzed |
|------------------|---------------|-------------------|----------------------|
| FB-07-5.0 | 11-130-05 | 12 | 11-13-19 |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.



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-naphthalene) 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 methods 8260 & 8270, 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

| Turnaround Request (in working days) | |
|---|--|
| (Check One) | |

| Laboratory Number: | 11-130 |
|--------------------|--------|
|--------------------|--------|

| | |
|---|---------------------------|
| Company: | Farallon |
| Project Number: | 2309-001 |
| Project Name: | University of WA - Elwana |
| Project Manager: | Yosof Ben Ilyan |
| Sampled by: | C. Burfield |
| <input checked="" type="checkbox"/> Standard (7 Days) <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> (other) | |

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers |
|--------|-----------------------|--------------|--------------|--------|----------------------|
| 1 | RGW-FB-03 | 11/12/19 | 9:35 AM | W | 3 |
| 2 | RGW-FB-04 | | 9:50 AM | | X |
| 3 | RGW-FB-01 | | 9:55 AM | | X |
| 4 | RGW-FB-07 | | 10:50 AM | | X |
| 5 | FB-D7-5.0 | | 10:45 AM | S | 5 |

| | |
|---|--|
| NWTPH-HCID | |
| NWTPH-Gx/BTEX | |
| NWTPH-Gx | |
| NWTPH-Dx (<input type="checkbox"/> 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 | |

HOLD
No

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|--------------------------|----------|----------|------|--|
| Relinquished | <i>Charlton Burfield</i> | Farallon | 11/12/19 | 1420 | |
| Received | <i>Joe Perez</i> | Speedy | 11-13-19 | 0833 | |
| Relinquished | <i>Joe Perez</i> | Speedy | 11-13-19 | 1035 | |
| Received | <i>Joe Perez</i> | Speedy | 11/13/19 | 1035 | |
| Relinquished | <i>Joe Perez</i> | | | | |
| Received | | | | | |
| Reviewed/Date | | | | | Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/> |



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

November 19, 2019

Yusuf Pehlivan
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 2309-001
Laboratory Reference No. 1911-142

Dear Yusuf:

Enclosed are the analytical results and associated quality control data for samples submitted on November 14, 2019.

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,

A handwritten signature in black ink, appearing to read "DBS".

David Baumeister
Project Manager

Enclosures



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

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Date of Report: November 19, 2019
Samples Submitted: November 14, 2019
Laboratory Reference: 1911-142
Project: 2309-001

Case Narrative

Samples were collected on November 13, 2019 and received by the laboratory on November 14, 2019. 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.



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Date of Report: November 19, 2019
 Samples Submitted: November 14, 2019
 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FMW-01D-10.0 | | | | | |
| Laboratory ID: | 11-142-02 | | | | | |
| Dichlorodifluoromethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0047 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0047 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0047 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0047 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0068 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Samples Submitted: November 14, 2019
 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-01D-10.0 | | | | | |
| Laboratory ID: | 11-142-02 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0047 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0047 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0047 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00093 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 93 | 76-131 | | | | |
| Toluene-d8 | 95 | 78-128 | | | | |
| 4-Bromofluorobenzene | 95 | 71-130 | | | | |



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Date of Report: November 19, 2019
 Samples Submitted: November 14, 2019
 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|--------|-----------|---------------|---------------|-------|
| Client ID: | FMW-01D-25.0 | | | | | |
| Laboratory ID: | 11-142-05 | | | | | |
| Dichlorodifluoromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0052 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0052 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0052 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0052 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0076 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-01D-25.0 | | | | | |
| Laboratory ID: | 11-142-05 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0052 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0052 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0052 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 91 | 76-131 | | | | |
| Toluene-d8 | 90 | 78-128 | | | | |
| 4-Bromofluorobenzene | 92 | 71-130 | | | | |



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 Samples Submitted: November 14, 2019
 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FMW-01D-47.5 | | | | | |
| Laboratory ID: | 11-142-10 | | | | | |
| Dichlorodifluoromethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0064 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-01D-47.5 | | | | | |
| Laboratory ID: | 11-142-10 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0044 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00088 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 91 | 76-131 | | | | |
| Toluene-d8 | 91 | 78-128 | | | | |
| 4-Bromofluorobenzene | 92 | 71-130 | | | | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 19, 2019
 Samples Submitted: November 14, 2019
 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1114S1 | | | | | |
| Dichlorodifluoromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloromethane | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromomethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroethane | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Iodomethane | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Methylene Chloride | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chloroform | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromomethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0073 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |



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 Samples Submitted: November 14, 2019
 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1114S1 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromoform | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Bromobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| Hexachlorobutadiene | ND | 0.0050 | EPA 8260D | 11-14-19 | 11-14-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-14-19 | 11-14-19 | |
| <i>Surrogate:</i> | | | | | | |
| <i>Dibromofluoromethane</i> | 94 | 76-131 | | | | |
| <i>Toluene-d8</i> | 97 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 90 | 71-130 | | | | |



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

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Date of Report: November 19, 2019
 Samples Submitted: November 14, 2019
 Laboratory Reference: 1911-142
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil

Units: mg/kg

| Analyte | Result | | Spike Level | | Percent Recovery | | Recovery | RPD | RPD | Flags | | |
|-----------------------------|---------------|---------------|-------------|--------|------------------|-----|----------|-----|-----|-------|--|--|
| | Recovery | Limits | RPD | Limit | | | | | | | | |
| SPIKE BLANKS | | | | | | | | | | | | |
| Laboratory ID: SB1114S1 | | | | | | | | | | | | |
| | SB | SBD | SB | SBD | SB | SBD | | | | | | |
| 1,1-Dichloroethene | 0.0464 | 0.0419 | 0.0500 | 0.0500 | 93 | 84 | 57-133 | 10 | 18 | | | |
| Benzene | 0.0488 | 0.0465 | 0.0500 | 0.0500 | 98 | 93 | 71-129 | 5 | 16 | | | |
| Trichloroethene | 0.0511 | 0.0505 | 0.0500 | 0.0500 | 102 | 101 | 71-122 | 1 | 16 | | | |
| Toluene | 0.0494 | 0.0464 | 0.0500 | 0.0500 | 99 | 93 | 74-125 | 6 | 15 | | | |
| Chlorobenzene | 0.0488 | 0.0467 | 0.0500 | 0.0500 | 98 | 93 | 72-120 | 4 | 14 | | | |
| <i>Surrogate:</i> | | | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 92 | 90 | 76-131 | | | | | |
| <i>Toluene-d8</i> | | | | | 91 | 90 | 78-128 | | | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 96 | 93 | 71-130 | | | | | |



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Date of Report: November 19, 2019
Samples Submitted: November 14, 2019
Laboratory Reference: 1911-142
Project: 2309-001

% MOISTURE

| Client ID | Lab ID | % Moisture | Date Analyzed |
|---------------------|-----------|------------|---------------|
| FMW-01D-10.0 | 11-142-02 | 6 | 11-15-19 |
| FMW-01D-25.0 | 11-142-05 | 9 | 11-15-19 |
| FMW-01D-47.5 | 11-142-10 | 11 | 11-15-19 |



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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-naphthalene) 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 methods 8260 & 8270, 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 2
11-142
Laboratory Number:

Company:

Furallor

Project Number:

2309-001

Project Name:

University of WA, Tacoma

Project Manager:

Yusuf Pehlivian

Sampled by:

M. Gehring, C. Banfield

Lab ID

Sample Identification

Date Sampled

Time Sampled

Matrix

Number of Containers

1 FMW-010 - 5.0

11/13/19 1020

S

5

2 FMW-010 - 10.0

1030

X

3 FMW-010 - 15.0

1045

4 FMW-010 - 20.0

1055

5 FMW-010 - 25.0

1255

6 FMW-010 - 30.0

1300

7 FMW-010 - 35.0

1330

8 FMW-010 - 40.0

1335

9 FMW-010 - 45.0

1400

10 FMW-010 - 47.5

1415

 Turnaround Request
(Check One)

 Same Day

 1 Day

 2 Days

 3 Days

 Standard (7 Days)

 (other)

HOLD

11-14-19 LL

 Chromatograms with final report Level III Level IV

 Data Package: Standard Level III Level IV

| | | | | |
|---------------|---------------------|-----------------|---------------|--|
| Relinquished | <i>Magnus Gr</i> | <i>Furallor</i> | 11/13/19 1800 | please HOLD, PM will contact w/ analysis |
| Received | <i>Bob Bond</i> | <i>Speedy</i> | 11-14-19 0845 | X - added 11-14-19 LL (51A) |
| Relinquished | <i>Bob Bond</i> | <i>Speedy</i> | 11-14-19 1043 | |
| Received | <i>Theresa Wynn</i> | <i>DSE</i> | 11/14/19 1043 | |
| Relinquished | | | | |
| Received | | | | |
| Reviewed/Date | | | | |

Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052

Phone: (425) 883-3881 • www.onsite-env.com

Company:

Farallon

Project Number:

2309-001

Project Name:

University of WA, Tacoma

Project Manager:

Yusuf Pehlivan

Sampled by:

M. Gehring, C. Bankfield

Lab ID

Sample Identification

11 Fluw-010-50.0

Date Sampled

Time Sampled

Matrix

Number of Containers

NWTPH-HCID

- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)

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

Laboratory Number:
11-142

 Page 2 of 2

Chain of Custody

| | Turnaround Request (in working days) (Check One) | Laboratory Number: |
|---------------|--|--------------------|
| Relinquished | 11/13/19 1800 | |
| Received | 11-14-19 0845 | |
| Relinquished | 11-14-19 1043 | |
| Received | | |
| Relinquished | | |
| Received | | |
| Reviewed | | |
| Reviewed/Date | | |
| | Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> | |
| | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDS) <input checked="" type="checkbox"/> | |



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

November 22, 2019

Yusuf Pehlivan
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 2309-001
Laboratory Reference No. 1911-156

Dear Yusuf:

Enclosed are the analytical results and associated quality control data for samples submitted on November 15, 2019.

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,

A handwritten signature in black ink, appearing to read "DB" followed by a cursive surname.

David Baumeister
Project Manager

Enclosures



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

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Date of Report: November 22, 2019
Samples Submitted: November 15, 2019
Laboratory Reference: 1911-156
Project: 2309-001

Case Narrative

Samples were collected on November 14, 2019 and received by the laboratory on November 15, 2019. 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.



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 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FMW-02D-25.0 | | | | | |
| Laboratory ID: | 11-156-02 | | | | | |
| Dichlorodifluoromethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0036 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0036 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0036 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0036 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0036 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |



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 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-02D-25.0 | | | | | |
| Laboratory ID: | 11-156-02 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0036 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0036 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0036 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00071 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 111 | 76-131 | | | | |
| Toluene-d8 | 97 | 78-128 | | | | |
| 4-Bromofluorobenzene | 96 | 71-130 | | | | |



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 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FMW-02D-35.0 | | | | | |
| Laboratory ID: | 11-156-04 | | | | | |
| Dichlorodifluoromethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0035 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0035 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0035 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0035 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0035 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-02D-35.0 | | | | | |
| Laboratory ID: | 11-156-04 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0035 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0035 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0035 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00069 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 104 | 76-131 | | | | |
| Toluene-d8 | 100 | 78-128 | | | | |
| 4-Bromofluorobenzene | 96 | 71-130 | | | | |



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FMW-02D-50.0 | | | | | |
| Laboratory ID: | 11-156-07 | | | | | |
| Dichlorodifluoromethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0046 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0046 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0046 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0046 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | 0.0026 | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0046 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |



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 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-02D-50.0 | | | | | |
| Laboratory ID: | 11-156-07 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0046 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0046 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0046 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00093 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 111 | 76-131 | | | | |
| Toluene-d8 | 98 | 78-128 | | | | |
| 4-Bromofluorobenzene | 95 | 71-130 | | | | |



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1119S2 | | | | | |
| Dichlorodifluoromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |



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 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1119S2 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | | | | | | |
| <i>Dibromofluoromethane</i> | 109 | 76-131 | | | | |
| <i>Toluene-d8</i> | 98 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 93 | 71-130 | | | | |



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-156
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

| Analyte | Result | Spike Level | | Percent Recovery | | Recovery Limits | RPD RPD | RPD Limit | Flags | | | | | |
|-----------------------------|---------------|---------------|--------|------------------|-----|-----------------|---------|-----------|-------|--|--|--|--|--|
| | | SB | SBD | SB | SBD | | | | | | | | | |
| SPIKE BLANKS | | | | | | | | | | | | | | |
| Laboratory ID: | | SB1119S3 | | | | | | | | | | | | |
| 1,1-Dichloroethene | 0.0497 | 0.0485 | 0.0500 | 0.0500 | 99 | 97 | 57-133 | 2 | 18 | | | | | |
| Benzene | 0.0469 | 0.0458 | 0.0500 | 0.0500 | 94 | 92 | 71-129 | 2 | 16 | | | | | |
| Trichloroethene | 0.0505 | 0.0495 | 0.0500 | 0.0500 | 101 | 99 | 71-122 | 2 | 16 | | | | | |
| Toluene | 0.0497 | 0.0483 | 0.0500 | 0.0500 | 99 | 97 | 74-125 | 3 | 15 | | | | | |
| Chlorobenzene | 0.0526 | 0.0511 | 0.0500 | 0.0500 | 105 | 102 | 72-120 | 3 | 14 | | | | | |
| <i>Surrogate:</i> | | | | | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 106 | 106 | 76-131 | | | | | | | |
| <i>Toluene-d8</i> | | | | | 98 | 97 | 78-128 | | | | | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 92 | 97 | 71-130 | | | | | | | |



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Samples Submitted: November 15, 2019
Laboratory Reference: 1911-156
Project: 2309-001

% MOISTURE

| Client ID | Lab ID | % Moisture | Date Analyzed |
|---------------------|-----------|------------|---------------|
| FMW-02D-25.0 | 11-156-02 | 8 | 11-19-19 |
| FMW-02D-35.0 | 11-156-04 | 10 | 11-19-19 |
| FMW-02D-50.0 | 11-156-07 | 26 | 11-19-19 |



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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-naphthalene) 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 methods 8260 & 8270, 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

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| | |
|-----------------|-----------------|
| Project Number: | 2309-001 |
| Project Name: | Farallon |

University of WA, Tacoma
Project Manager:
Yusuf Dehlivan
Sampled by:

M. Gehring

Lab ID **Sample Identification**

| Turnaround Request (in working days) | | | | Laboratory Number: 11-156 |
|--|---|-----------------------------------|---------------------------------|---|
| (Check One) | | | | |
| Project Number: 2309-001 | <input type="checkbox"/> Same Day | <input type="checkbox"/> 1 Day | <input type="checkbox"/> 2 Days | <input type="checkbox"/> 3 Days |
| Project Name: University of WA, Tacoma | <input checked="" type="checkbox"/> Standard (7 Days) <input checked="" type="checkbox"/> HOLD 7 | | | |
| Project Manager: | | | | |
| Sampled by: M. Gehring | | | | |
| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix |
| 1 | FMW-020-20.0 | 1/14/19 | 1105 | S 4 |
| 2 | FMW-020-25.0 | | 1300 | |
| 3 | FMW-020-30.0 | | 1305 | |
| 4 | FMW-020-35.0 | | 1310 | |
| 5 | FMW-020-40.0 | | 1315 | |
| 6 | FMW-020-45.0 | | 1340 | |
| 7 | FMW-020-50.0 | | 1345 | |
| | | | | Number of Containers |
| | | | | NWTPH-HCID |
| | | | | NWTPH-Gx/BTEX |
| | | | | NWTPH-Gx |
| | | | | NWTPH-Dx (<input type="checkbox"/> 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 |
| Relinquished | Signature Megan Gehring | Company Farallon | Date 1/14/19 | Time 1700 |
| Received | BB Books | Speedy | 11-15-19 | 0900 |
| Relinquished | BB Books | Speedy | 11-15-19 | 1043 |
| Received | Q8E | | 11/15/19 | 1043 |
| Relinquished | | | | |
| Received | | | | |
| Reviewed/Date | | | | |
| Reviewed/Date | | | | |
| Data Package: Standard <input checked="" type="checkbox"/> | Level III <input type="checkbox"/> | Level IV <input type="checkbox"/> | | |
| Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDS) <input checked="" type="checkbox"/> | | | | |



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

November 22, 2019

Yusuf Pehlivan
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 2309-001
Laboratory Reference No. 1911-169

Dear Yusuf:

Enclosed are the analytical results and associated quality control data for samples submitted on November 15, 2019.

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,

A handwritten signature in black ink, appearing to read "DB" followed by a cursive surname.

David Baumeister
Project Manager

Enclosures



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

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Date of Report: November 22, 2019
Samples Submitted: November 15, 2019
Laboratory Reference: 1911-169
Project: 2309-001

Case Narrative

Samples were collected on November 15, 2019 and received by the laboratory on November 15, 2019. 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.



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FMW-03S-20.0 | | | | | |
| Laboratory ID: | 11-169-04 | | | | | |
| Dichlorodifluoromethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0048 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0048 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0048 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0048 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0048 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |



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 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-03S-20.0 | | | | | |
| Laboratory ID: | 11-169-04 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0048 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0048 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0048 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00095 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 111 | 76-131 | | | | |
| Toluene-d8 | 101 | 78-128 | | | | |
| 4-Bromofluorobenzene | 94 | 71-130 | | | | |



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FMW-03S-30.0 | | | | | |
| Laboratory ID: | 11-169-07 | | | | | |
| Dichlorodifluoromethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0042 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0042 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0042 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0042 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0042 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |



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 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-03S-30.0 | | | | | |
| Laboratory ID: | 11-169-07 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0042 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0042 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0042 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00085 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 111 | 76-131 | | | | |
| Toluene-d8 | 98 | 78-128 | | | | |
| 4-Bromofluorobenzene | 97 | 71-130 | | | | |



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FMW-03S-45.0 | | | | | |
| Laboratory ID: | 11-169-10 | | | | | |
| Dichlorodifluoromethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0041 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0041 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0041 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0041 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0041 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |



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 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-03S-45.0 | | | | | |
| Laboratory ID: | 11-169-10 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0041 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0041 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0041 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00082 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 108 | 76-131 | | | | |
| Toluene-d8 | 100 | 78-128 | | | | |
| 4-Bromofluorobenzene | 96 | 71-130 | | | | |



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 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-08-15.0 | | | | | |
| Laboratory ID: | 11-169-14 | | | | | |
| Dichlorodifluoromethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0038 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0038 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0038 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0038 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | 0.0016 | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0038 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-08-15.0 | | | | | |
| Laboratory ID: | 11-169-14 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0038 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0038 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0038 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00076 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 107 | 76-131 | | | | |
| Toluene-d8 | 99 | 78-128 | | | | |
| 4-Bromofluorobenzene | 95 | 71-130 | | | | |



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

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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------|---------|-----------|---------------|---------------|-------|
| Client ID: | FB-08-20.0 | | | | | |
| Laboratory ID: | 11-169-15 | | | | | |
| Dichlorodifluoromethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0033 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0033 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0033 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0033 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | 0.0029 | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0033 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |



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 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FB-08-20.0 | | | | | |
| Laboratory ID: | 11-169-15 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0033 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0033 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0033 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.00066 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 109 | 76-131 | | | | |
| Toluene-d8 | 100 | 78-128 | | | | |
| 4-Bromofluorobenzene | 97 | 71-130 | | | | |



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|--------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1119S2 | | | | | |
| Dichlorodifluoromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloromethane | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Vinyl Chloride | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromomethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroethane | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichlorofluoromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Iodomethane | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Methylene Chloride | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromochloromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chloroform | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Carbon Tetrachloride | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Trichloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromomethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromodichloromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1119S2 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Tetrachloroethene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichloropropane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Dibromochloromethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromoethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Chlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromoform | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Bromobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichloropropane | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 2-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 4-Chlorotoluene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,3-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,4-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| Hexachlorobutadiene | ND | 0.0050 | EPA 8260D | 11-19-19 | 11-19-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.0010 | EPA 8260D | 11-19-19 | 11-19-19 | |
| <i>Surrogate:</i> | | | | | | |
| <i>Dibromofluoromethane</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| <i>Dibromofluoromethane</i> | 109 | 76-131 | | | | |
| <i>Toluene-d8</i> | 98 | 78-128 | | | | |
| <i>4-Bromofluorobenzene</i> | 93 | 71-130 | | | | |



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Date of Report: November 22, 2019
 Samples Submitted: November 15, 2019
 Laboratory Reference: 1911-169
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

| Analyte | Result | Spike Level | | Percent Recovery | | Recovery Limits | RPD RPD | RPD Limit | Flags | | | | | |
|-----------------------------|---------------|---------------|--------|------------------|-----|-----------------|---------|-----------|-------|--|--|--|--|--|
| | | SB | SBD | SB | SBD | | | | | | | | | |
| SPIKE BLANKS | | | | | | | | | | | | | | |
| Laboratory ID: | | SB1119S3 | | | | | | | | | | | | |
| 1,1-Dichloroethene | 0.0497 | 0.0485 | 0.0500 | 0.0500 | 99 | 97 | 57-133 | 2 | 18 | | | | | |
| Benzene | 0.0469 | 0.0458 | 0.0500 | 0.0500 | 94 | 92 | 71-129 | 2 | 16 | | | | | |
| Trichloroethene | 0.0505 | 0.0495 | 0.0500 | 0.0500 | 101 | 99 | 71-122 | 2 | 16 | | | | | |
| Toluene | 0.0497 | 0.0483 | 0.0500 | 0.0500 | 99 | 97 | 74-125 | 3 | 15 | | | | | |
| Chlorobenzene | 0.0526 | 0.0511 | 0.0500 | 0.0500 | 105 | 102 | 72-120 | 3 | 14 | | | | | |
| <i>Surrogate:</i> | | | | | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 106 | 106 | 76-131 | | | | | | | |
| <i>Toluene-d8</i> | | | | | 98 | 97 | 78-128 | | | | | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 92 | 97 | 71-130 | | | | | | | |



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Samples Submitted: November 15, 2019
Laboratory Reference: 1911-169
Project: 2309-001

% MOISTURE

| Client ID | Lab ID | % Moisture | Date Analyzed |
|---------------------|-----------|------------|---------------|
| FMW-03S-20.0 | 11-169-04 | 17 | 11-19-19 |
| FMW-03S-30.0 | 11-169-07 | 17 | 11-19-19 |
| FMW-03S-45.0 | 11-169-10 | 12 | 11-19-19 |
| FB-08-15.0 | 11-169-14 | 9 | 11-19-19 |
| FB-08-20.0 | 11-169-15 | 10 | 11-19-19 |



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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-naphthalene) 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 methods 8260 & 8270, 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 2

 Turnaround Request
 (in working days)
 (Check One)

 Company: Farrallon
 Project Number: 2309-001
 Project Name: University of WA, Tacoma
 Project Manager: Yusuf Rehman
 Sampled by: M. Gehring
 Standard (7 Days)
 Same Day 1 Day
 2 Days 3 Days
HOLD
 (other)

 Laboratory Number: **11-169**

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers |
|---------------|-----------------------|--------------|--------------|---------------------------------------|---|
| 1 | FMW-03S-5-0 | 11/15/09 | 0855 | S | 4 |
| 2 | FMW - 03S - 10-0 | | 0900 | | |
| 3 | FMW - 03S - 15-0 | | 0915 | | |
| 4 | FMW - 03S - 20-0 | | 0920 | | |
| 5 | FMW - 03S - 19-0 | | 0935 | | |
| 6 | FMW - 03S - 25-0 | | 1000 | | |
| 7 | FMW - 03S - 30-0 | | 1005 | | |
| 8 | FMW - 03S - 35-0 | | 1010 | | |
| 9 | FMW - 03S - 40-0 | | 1015 | | |
| 10 | FMW - 03S - 45-0 | | 1125 | | |
| | | | | | NWTPH-HCID |
| | | | | | NWTPH-Gx/BTEX |
| | | | | | NWTPH-Gx |
| | | | | | NWTPH-Dx (<input type="checkbox"/> 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 |
| | | | | | HOLD |
| | | | | | |
| Signature | Company | Date | Time | Comments/Special Instructions | |
| Relinquished | <u>Megan Lui</u> | 11/15/09 | 1440 | Please HOLD, pm will contact customer | |
| Received | <u>M. Gehring</u> | 11/15/09 | 1440 | | |
| Relinquished | <u>M. Gehring</u> | 11/15/09 | 1450 | X - added 11/19. DB (STA) | |
| Received | <u>Don Cole</u> | 11/15/09 | 1650 | | |
| Relinquished | | | | | |
| Received | | | | | |
| Reviewed/Date | | | | | |

 Data Package: Standard Level III Level IV

 Chromatograms with final report Electronic Data Deliverables (EDDSs)

Chain of Custody

 Page 2 of 2

Company: **Farallon**
 Project Number: **2309-001**
 Project Name: **University of WA, Tacoma**
 Project Manager: **Yusuf Rehman**
 Sampled by: **M. Gehring**

| Turnaround Request (in working days) | | | | (Check One) |
|---|------------------|--------------|--------|---|
| | Date Sampled | Time Sampled | Matrix | |
| 11 | EMW - 035 - 50.0 | 11/15/19 | 1130 | <input checked="" type="checkbox"/> Standard (7 Days) |
| 12 | FB-08 - S.0 | | 1410 | <input type="checkbox"/> Same Day |
| 13 | FB-08-10-0 | | 1425 | <input type="checkbox"/> 1 Day |
| 14 | FB-08-15.0 | | 1430 | <input type="checkbox"/> 2 Days |
| 15 | FB-08-20.0 | | 1435 | <input type="checkbox"/> 3 Days |

~~HOLD~~
(other)

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers |
|--------|-----------------------|--------------|--------------|--------|----------------------|
| 11 | EMW - 035 - 50.0 | 11/15/19 | 1130 | S | 4 |
| 12 | FB-08 - S.0 | | 1410 | | |
| 13 | FB-08-10-0 | | 1425 | | |
| 14 | FB-08-15.0 | | 1430 | | |
| 15 | FB-08-20.0 | | 1435 | | |

| | |
|---|--|
| NWTPH-HCID | |
| NWTPH-Gx/BTEX | |
| NWTPH-Gx | |
| NWTPH-Dx (<input type="checkbox"/> 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 | |
| HOLD | |
| % Moisture | |

| Signature | Company | Date | Time | Comments/Special Instructions |
|-----------------------------------|----------|----------|------|--|
| Relinquished <i>M. Gehring</i> | Farallon | 11/15/19 | 1440 | Please HOLD, PM will contact w/ analysis |
| Received <i>M. Gehring</i> | Farallon | 11/15/19 | 1440 | |
| Relinquished <i>M. Gehring</i> | CSTE | 11/15/19 | 1450 | |
| Received <i>M. Gehring</i> | | | | |
| Relinquished <i>M. Gehring</i> | | | | |
| Received <i>M. Gehring</i> | | | | |
| Reviewed/Date | | | | Reviewed/Date |

 Data Package: Standard Level III Level IV

 Chromatograms with final report Electronic Data Deliverables (EDDS)



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

December 2, 2019

Yusuf Pehlivan
Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 2309-001
Laboratory Reference No. 1911-235

Dear Yusuf:

Enclosed are the analytical results and associated quality control data for samples submitted on November 22, 2019.

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,

A handwritten signature in black ink, appearing to read "DBS".

David Baumeister
Project Manager

Enclosures



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

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 2, 2019
Samples Submitted: November 22, 2019
Laboratory Reference: 1911-235
Project: 2309-001

Case Narrative

Samples were collected on November 21, 2019 and received by the laboratory on November 22, 2019. 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.



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

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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------|------|-----------|---------------|---------------|-------|
| Client ID: | FMW-01-112119 | | | | | |
| Laboratory ID: | 11-235-01 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromomethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Iodomethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloroform | 0.59 | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Trichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.3 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |



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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-01-112119 | | | | | |
| Laboratory ID: | 11-235-01 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 108 | 75-127 | | | | |
| Toluene-d8 | 107 | 80-127 | | | | |
| 4-Bromofluorobenzene | 91 | 78-125 | | | | |



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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------|------|-----------|---------------|---------------|-------|
| Client ID: | FMW-02-112119 | | | | | |
| Laboratory ID: | 11-235-02 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromomethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Iodomethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloroform | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Trichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.3 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |



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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-02-112119 | | | | | |
| Laboratory ID: | 11-235-02 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 112 | 75-127 | | | | |
| Toluene-d8 | 108 | 80-127 | | | | |
| 4-Bromofluorobenzene | 100 | 78-125 | | | | |



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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|---------------|------|-----------|---------------|---------------|-------|
| Client ID: | FMW-03-112119 | | | | | |
| Laboratory ID: | 11-235-03 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromomethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Iodomethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloroform | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Trichloroethene | 0.78 | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.3 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |



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

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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|-------------------------|-----------------------|-----------|---------------|---------------|-------|
| Client ID: | FMW-03-112119 | | | | | |
| Laboratory ID: | 11-235-03 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| <i>Surrogate:</i> | <i>Percent Recovery</i> | <i>Control Limits</i> | | | | |
| Dibromofluoromethane | 112 | 75-127 | | | | |
| Toluene-d8 | 111 | 80-127 | | | | |
| 4-Bromofluorobenzene | 96 | 78-125 | | | | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 1 of 2

Matrix: Water
 Units: ug/L

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|----------|------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1127W2 | | | | | |
| Dichlorodifluoromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloromethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Vinyl Chloride | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromomethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloroethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Trichlorofluoromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Iodomethane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Methylene Chloride | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (trans) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (cis) 1,2-Dichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromochloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chloroform | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,1-Trichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Carbon Tetrachloride | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Trichloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Dibromomethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromodichloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2-Chloroethyl Vinyl Ether | ND | 1.3 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (cis) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| (trans) 1,3-Dichloropropene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |



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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
 page 2 of 2

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|-----------------------------|------------------|----------------|-----------|---------------|---------------|-------|
| METHOD BLANK | | | | | | |
| Laboratory ID: | MB1127W2 | | | | | |
| 1,1,2-Trichloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Tetrachloroethene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,3-Dichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Dibromochloromethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dibromoethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Chlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromoform | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Bromobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,1,2,2-Tetrachloroethane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,3-Trichloropropane | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 2-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 4-Chlorotoluene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,3-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,4-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Hexachlorobutadiene | ND | 1.0 | EPA 8260D | 11-27-19 | 11-27-19 | |
| 1,2,3-Trichlorobenzene | ND | 0.20 | EPA 8260D | 11-27-19 | 11-27-19 | |
| Surrogate: | Percent Recovery | Control Limits | | | | |
| Dibromofluoromethane | 113 | 75-127 | | | | |
| Toluene-d8 | 107 | 80-127 | | | | |
| 4-Bromofluorobenzene | 93 | 78-125 | | | | |



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

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2019
 Samples Submitted: November 22, 2019
 Laboratory Reference: 1911-235
 Project: 2309-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Water

Units: ug/L

| Analyte | Result | Spike Level | | Percent Recovery | | Recovery Limits | RPD RPD | RPD Limit | Flags | | | | | | | |
|-----------------------------|-------------|-------------|--------|------------------|-----|-----------------|---------|-----------|-------|--|--|--|--|--|--|--|
| | | Recovery | Limits | | | | | | | | | | | | | |
| SPIKE BLANKS | | | | | | | | | | | | | | | | |
| Laboratory ID: | | SB1127W2 | | | | | | | | | | | | | | |
| | | SB | SBD | SB | SBD | SB | SBD | | | | | | | | | |
| 1,1-Dichloroethene | 10.0 | 10.7 | 10.0 | 10.0 | 100 | 107 | 63-130 | 7 | 17 | | | | | | | |
| Benzene | 11.1 | 11.6 | 10.0 | 10.0 | 111 | 116 | 76-125 | 4 | 19 | | | | | | | |
| Trichloroethene | 11.8 | 12.0 | 10.0 | 10.0 | 118 | 120 | 76-121 | 2 | 18 | | | | | | | |
| Toluene | 11.4 | 11.9 | 10.0 | 10.0 | 114 | 119 | 80-124 | 4 | 18 | | | | | | | |
| Chlorobenzene | 10.5 | 10.9 | 10.0 | 10.0 | 105 | 109 | 75-120 | 4 | 19 | | | | | | | |
| <i>Surrogate:</i> | | | | | | | | | | | | | | | | |
| <i>Dibromofluoromethane</i> | | | | | 110 | 114 | 75-127 | | | | | | | | | |
| <i>Toluene-d8</i> | | | | | 108 | 109 | 80-127 | | | | | | | | | |
| <i>4-Bromofluorobenzene</i> | | | | | 95 | 100 | 78-125 | | | | | | | | | |



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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-naphthalene) 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 methods 8260 & 8270, 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





**OnSite
Environmental Inc.**

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

Chain of Custody

11-235

Page 1 of 1

Turnaround Request
(in working days)

(Check One)

- Company: **Farallon**
Project Number: **Z309-001**
Project Name: **1020 Tacoma Avenue South**
Project Manager: **Yusuf Pehlivan**
Sampled by: **Ryan Ostrom**

- Standard (7 Days)

(other)

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers |
|--------|-----------------------|--------------|--------------|--------|----------------------|
| 1 | FMW-01-112119 | 11/21/19 | 1147 | W | 3 |
| 2 | FMW-02-112119 | | 1224 | 3 | |
| 3 | FMW-03-112119 | | 1338 | 3 | |

- 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

| | Signature | Company | Date | Time | Comments/Special Instructions |
|---------------|--------------------|-----------------|----------|------|---|
| Relinquished | <i>Ryan Ostrom</i> | <i>Farallon</i> | 11/21/19 | 1700 | |
| Received | <i>Ryan Ostrom</i> | <i>Farallon</i> | 11/21/19 | 1140 | |
| Relinquished | | | | | |
| Received | | | | | |
| Relinquished | | | | | |
| Received | | | | | |
| Reviewed/Date | | | | | |
| | | | | | Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> |
| | | | | | Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDS) <input type="checkbox"/> |