FARALLON CONSULTING

August 8, 2023

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RE: SECOND ADDENDUM TO REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
FARALLON PN: 1355-001

Farallon Consulting, L.L.C. (Farallon) has prepared this Second Addendum to the Remedial Investigation and Feasibility Study Report (RI/FS Report),[1] in response to the Washington State Department of Ecology (Ecology) May 23, 2023 letter and opinion (May 2023 Opinion Letter)[2] requiring limited further evaluation of the nature and extent of the petroleum and chlorinated volatile organic compound (CVOC) contamination at the Morningside Acres Site generally located at 5001, 5015, and 5021 Rainier Avenue South in Seattle, Washington (herein referred to as the Property) (Figures 1 and 2). The Second Addendum provides the additional soil and groundwater data requested by Ecology to address the data gaps identified following its review of Farallon's April 5, 2023 Remedial Investigation and Feasibility Study Addendum (RI/FS Addendum).[3] The Second Addendum also evaluates whether the additional data and investigation work will affect the recommended cleanup action alternative identified in the RI/FS Report.

[1] Farallon. 2022. *Remedial Investigation and Feasibility Study Report, Morningside Acres Tracts, 5001, 5015, and 5021 Rainier Avenue South, Seattle, Washington*. Prepared for Washin Murakami c/o Bakalian & Associates PS. June 20 (RI/FS Report).

[2] Ecology. 2023. Letter Regarding Opinion pursuant to WAC 173-340-515(5) on Remedial Action of the Following Hazardous Waste Site: Morningside Acres, 5021 Rainier Avenue S, Seattle, WA 98118. From David Unruh. To Jerry-Alan Murakami. May 23 (May 2023 Opinion Letter).

[3] Farallon. 2023. Letter Regarding Remedial Investigation and Feasibility Study Addendum, Morningside Acres Tracts, 5001, 5015, and 5021 Rainier Avenue South, Seattle, Washington. from Yusuf Pehlivan and Brani Jurista. To Washin and Kathleen Murakami. April 5 (RI/FS Addendum).

Ecology identified the following data gaps requiring additional characterization of soil and groundwater at the Property, as described in the May 2023 Opinion Letter:

- The extent of trichloroethene (TCE) and vinyl chloride contamination in soil and groundwater east of shallow groundwater monitoring well MW-17 has not been defined.
- The lateral extent of total petroleum hydrocarbons as diesel-range organics (DRO) and as oil-range organics (ORO) in groundwater south, east, and west of shallow monitoring well MW-6 has not been defined.
- The extent of total petroleum hydrocarbons as gasoline-range organics (GRO), DRO, ORO, and benzene in soil and groundwater east of boring FB-30 and shallow monitoring well MW-18 has not been defined.
- The extent of petroleum contamination in soil south of boring FB-23 has not been defined.
- The vertical extent of vinyl chloride contamination in soil in the vicinity of a former floor drain in the basement of the building at 5021 Rainier Avenue South (South Parcel) has not been defined.

In the May 2023 Opinion Letter, Ecology confirmed that evaluation of the vertical distribution of CVOCs proximate to the former floor drain in the basement of the South Parcel building is complete, pending demolition of the building for redevelopment in conjunction with the cleanup action.

The scope of work to address the remaining data gaps listed above was prepared and documented in the July 6, 2023 Remedial Investigation Data Gap Work Plan (Work Plan)[4] prepared by Farallon and submitted for Ecology review prior to implementation. Ecology provided the concurrence with the scope of work outlined in the Work Plan in an email dated July 10, 2023, with an additional recommendation to measure light nonaqueous-phase liquid (LNAPL) in monitoring well MW-10 during future groundwater monitoring events.

The results from the July 2023 supplemental remedial investigation are described below.

[4] Farallon. 2023. Letter Regarding Remedial Investigation Data Gap Work Plan, Morningside Acres Tracts, 5001, 5015, and 5021 Rainier Avenue South, Seattle, Washington. From Stuart Brown and Branislav Jurista. To David Unruh, Ecology. July 6 (Work Plan).

SUPPLEMENTAL REMEDIAL INVESTIGATION

Farallon conducted a supplemental remedial investigation at the Property between July 13 and 25, 2023 to further evaluate the nature and extent of CVOC and petroleum impacts in soil and groundwater on the Property. The supplemental remedial investigation consisted of advancing six borings for collection of soil and reconnaissance groundwater samples and installing two shallow and one deep groundwater monitoring wells.

BORING ADVANCEMENT AND MONITORING WELL INSTALLATION

Prior to conducting subsurface work, Farallon retained public and private utility locating services to clear proposed boring and monitoring well locations for subsurface utilities. A vacuum truck was used to manually clear proposed drilling locations to depths of up to 5 feet below ground surface (bgs) to confirm that no utilities were present. A recently updated Property-specific Health and Safety Plan was made available during field activities in accordance with the U.S. Occupational Safety and Health Administration and Part 1910.120 of Title 29 of the Code of Federal Regulations.

Borings FB-31 through FB-36 and shallow monitoring well MW-25 were advanced and installed by Holt Services, Inc. of Edgewood, Washington using a direct-push drill rig, and deep monitoring well MW-26 and shallow monitoring well MW-27 were installed by Cascade Environmental of Woodinville, Washington using a hollow-stem auger drill rig at the locations shown on Figure 3. The total depth of vertical borings advanced with the direct-push drill rig ranged from 15 to 20 feet and the total linear depth of angled boring FB-35 was 15 feet. Boring FB-35 was advanced at a 32.5 degree angle, the maximum angle the direct-push drill rig could achieve, with the boring surface location south of the convenience store building at 5015 Rainier Avenue South (Middle Parcel) and terminating at depth beneath the western portion of the convenience store building.

During drilling, Farallon field personnel observed subsurface conditions and recorded information on boring logs, including soil types encountered, visual and olfactory evidence of contamination, and qualitative measurement of volatile organic vapors in soil using a photoionization detector. Soil samples were collected continuously during direct-push drilling and at 5-foot intervals during hollow-stem auger drilling; soil samples were retained at select intervals for potential laboratory analysis, generally in accordance with the Ecology-approved Work Plan. Soil samples retained for laboratory analysis were placed on ice in a cooler and

transported to OnSite Environmental, Inc. of Redmond, Washington (OnSite) under standard chain-of-custody protocols for analysis of one or more of the following:

- GRO by Northwest Method NWTPH-Gx;
- DRO, ORO, and DRO+ORO by Northwest Method NWTPH-Dx, with and without silica gel cleanup;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by U.S. Environmental Protection Agency (EPA) Method 8021B; and
- CVOCs by EPA Method 8260D.

Reconnaissance groundwater samples were collected at borings FB-31, FB-32, and FB-34 from temporary monitoring well screens constructed with slotted polyvinyl chloride piping surrounded with a clean sand filter pack placed near the top of the first encountered water-bearing zone at each location. Reconnaissance groundwater samples were collected using a peristaltic pump after the majority of fine-grained suspended soil was removed from the well screen, and analyzed for GRO, DRO, ORO, DRO+ORO, BTEX, and CVOCs by the methods described above. At boring FB-33, an attempt was made to collect a reconnaissance groundwater sample but was unsuccessful due to insufficient groundwater accumulating in the borehole.

Monitoring wells MW-25 through MW-27 were constructed along the eastern Property boundary using 10 feet of 0.010-inch slotted polyvinyl chloride well screen set in a sand filter pack extending approximately 1 foot above the top of the screened interval. The filter pack was overlain by hydrated bentonite chips to within 2 feet of ground surface, and monitoring wells were completed at the surface with flush-mounted steel monuments set in concrete. Shallow monitoring well MW-25 was installed east of the former dispenser islands on the 5001 Rainier Avenue South parcel (North Parcel) with a screen interval from 5 to 15 feet bgs. Monitoring wells MW-26 and MW-27 were installed as a nested groundwater monitoring well pair at the eastern Property boundary east of the convenience store on the Middle Parcel with screen intervals from 35 to 45 feet bgs and 8 to 18 feet bgs, respectively. Following installation, the new monitoring wells were developed using surging and purging techniques until water drawn from the wells appeared relatively clear, except for monitoring well MW-26, which remained relatively turbid due to the high silt content of the lithologic units and extremely slow groundwater recharge. The monitoring wells were surveyed for location and elevation by Farallon on July 25, 2023. Boring logs for borings and monitoring wells installed during the supplemental remedial investigation are included in Attachment A.

GROUNDWATER MONITORING EVENT

Farallon conducted a groundwater monitoring event at several existing and the newly installed monitoring wells on and off the Property on July 19 and 20, 2023. The groundwater monitoring event included the following:

- Measuring depth-to-groundwater at 26 new and existing monitoring wells on and off the Property;
- Measuring product thickness in shallow monitoring well MW-10; and
- Collecting groundwater samples from three new monitoring wells (MW-25 through MW-27) and seven existing monitoring wells MW-6, MW-11, MW-12, MW-19, MW-22, MW-23, and MW-24.

Prior to collecting groundwater elevation measurements, the well caps for all wells were opened, and the wells were allowed to equilibrate to atmospheric pressure for at least 20 minutes. Depth to groundwater was then measured from the top of the well casing to the nearest 0.01 foot using an electronic water level measuring device. Existing monitoring well MW-14 could not be accessed due to a vehicle parked on top of the well.

Groundwater samples were collected in accordance with standard EPA low-flow groundwater sampling procedures. Each monitoring well was purged using a peristaltic pump or bladder pump equipped with a flow-through cell at a flow rate of approximately 100 to 200 milliliters per minute. Temperature, pH, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity were monitored during purging to determine when stabilization of the parameters occurred. Groundwater samples were collected directly from the low-flow pump outlet once parameters stabilized.

Groundwater samples were placed on ice in a cooler and transported to OnSite under standard chain-of-custody protocols for analysis of one or more of the following:

- GRO by Northwest Method NWTPH-Gx;
- DRO, ORO, and DRO+ORO by Northwest Method NWTPH-Dx with and without silica gel cleanup;
- BTEX by EPA Method 8021B; and
- CVOCs by EPA Method 8260D.

Investigation-derived waste generated during the July 2023 supplemental remedial investigation and groundwater monitoring activities was temporarily stored on the Property

in labeled 55-gallon steel drums. The analytical results for the soil and groundwater samples will be used to develop a waste profile for off-Property disposal.

JULY 2023 SUPPLEMENTAL REMEDIAL INVESTIGATION RESULTS

Subsurface conditions and analytical results from the July 2023 supplemental remedial investigation are summarized in the following sections. Depth to groundwater measurements and groundwater elevations are presented in Table 1, and groundwater elevation contours are presented on Figure 4. Soil and groundwater analytical results are summarized in Tables 2 through 5 and presented on Figures 5 through 8. Cross sections showing the general lithology and the approximate extents of contamination exceeding MTCA cleanup levels are shown on Figures 9 through 12. Laboratory analytical reports are included in Attachment B.

While marking for utilities, Farallon observed a concrete patch in the parking lot on the North Parcel, northeast of the reported location of boring FB-23; no patch was observed at the location previously identified as boring FB-23. Boring FB-23 was advanced on August 29, 2018, and the review of aerial photos shows the concrete patch appearing after May 2018 and before May 2019. This information led to the conclusion that boring FB-23 location is approximately 10 feet to the northeast of the location previously reported in Farallon documents, as indicated on Figure 3.

Geology and Hydrogeology

During the July 2023 supplemental remedial investigation, soil encountered during drilling at borings FB-31 through FB-36 and monitoring wells MW-25 through MW-27 generally consisted of silty sand and sandy silt interbedded with silt and gravel to the maximum explored depth of 45 feet bgs. Sandy silt and/or silt was generally encountered below the pavement between depths of approximately 0.3 to 14 feet bgs on the northern portion of the North Parcel, and at depths from 5 to 10 and from 15 to at least 40 feet bgs on the eastern portion of the Middle Parcel. Silty sand and sand were encountered on the southern portion of the North Parcel at depths of approximately 6 to 13 feet bgs and from approximately 10 to 15 feet bgs in the eastern portion of the Middle Parcel. The silt content in the silty sand layers was relatively high, typically estimated at up to 30 percent (Attachment A).

During drilling, groundwater was encountered at borings FB-31 through FB-36 and monitoring wells MW-25 through MW-27 between depths of approximately 5 to 12.5 feet

bgs. During the July 2023 groundwater monitoring event, depth to groundwater was measured between depths of approximately 6.09 to 10.66 feet bgs in the monitoring wells, except for the wells located in the basement of the warehouse building on the South Parcel, where it was measured between depths of approximately 0.67 to 2.26 feet bgs (Table 1). Groundwater elevation measurements indicated that groundwater generally flowed to the north at the South Parcel and to the north-northwest at the Middle and North Parcels during the July 2023 groundwater monitoring event (Figure 4). The northerly groundwater flow direction is consistent with prior historical estimations of the groundwater flow direction for the South Parcel. The groundwater contours generated for the July 2023 groundwater monitoring event confirm the north-northwesterly flow direction on the North Parcel, which was initially identified during the supplemental remedial investigation conducted in February 2023.

Light Nonaqueous-Phase Liquid Measurements

The thickness of the LNAPL was 0.82 feet when measured at monitoring well MW-10 on July 19, 2023 (Table 1). Two other LNAPL thickness measurements were recorded in the past at monitoring well MW-10. LNAPL thickness was measured at 0.42 feet on December 14, 2017 and at 0.21 feet on October 2, 2018.

Soil Analytical Results

Analytical results for soil samples collected during the July 2023 supplemental remedial investigation indicated the following:

- The CVOCs cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride were detected at concentrations exceeding the Model Toxics Control Act Cleanup Regulation (MTCA) Method B cleanup levels for saturated soil protective of groundwater in the soil sample collected from monitoring well boring MW-26 at a depth of 15 feet bgs. Vinyl chloride was also detected at a concentration exceeding the MTCA Method B cleanup level for saturated soil protective of groundwater in the soil sample collected at a depth of 25 feet bgs from monitoring well boring MW-26. All other CVOCs were either not detected or were detected at concentrations less than the applicable MTCA Method A or B cleanup levels in the remaining soil samples collected at monitoring well boring MW-26 (Table 2; Figures 5, 10, and 11). The CVOCs 1,1,2-trichloroethane (1,1,2-TCA) and 1,2-dichloroethane (1,2-DCA), detected in the reconnaissance groundwater sample from boring FB-32, were not detected in the soil samples collected from boring FB-32 at depths of 5, 10, and 15 feet bgs.

- GRO was detected at concentrations of 480, 440, and 160 milligrams per kilogram (mg/kg) in soil samples collected from borings FB-33, MW-25, and FB-32 at a depth of 10 feet bgs, respectively, exceeding the MTCA Method A cleanup level of 30 mg/kg. GRO was not detected in any other soil samples analyzed during the supplemental remedial investigation, including the soil samples from borings FB-34, FB-35, FB-36, and monitoring well boring MW-25 ranging in depth from 5 to 18 feet bgs (Table 3; Figures 6 and 12).
- Benzene was detected at a concentration of 0.16 mg/kg in the soil sample collected from boring FB-32 at a depth of 10 feet bgs, which exceeds the MTCA Method A cleanup level of 0.03 mg/kg. Toluene was detected at a concentration less than the MTCA Method A cleanup level in the soil sample collected from boring FB-32 at a depth of 10 feet bgs. Ethylbenzene and/or xylenes were detected at concentrations less than MTCA Method A cleanup levels in soil samples collected from borings FB-32, FB-33, and MW-25 at a depth of 10 feet bgs. BTEX constituents were not detected in any other soil samples analyzed during the supplemental remedial investigation, including the soil samples from borings FB-34 through FB-36 and monitoring well boring MW-25 at depths ranging from 5 to 18 feet bgs (Table 3).
- DRO, ORO, and DRO+ORO (with and without silica-gel cleanup procedure) were not detected in any soil samples analyzed during the July 2023 supplemental remedial investigation (Table 3; Figures 6 and 12).

Groundwater Analytical Results

Analytical results for groundwater samples collected during the July 2023 supplemental remedial investigation indicated the following:

Reconnaissance Groundwater Samples

- The CVOCs 1,1,2-TCA and 1,2-DCA were detected at concentrations exceeding their respective MTCA cleanup levels in the reconnaissance groundwater sample collected from boring FB-32, near the top of the shallow water-bearing zone at 12 feet bgs. All remaining CVOCs were either not detected or were detected at concentrations less than the MTCA cleanup levels in the other reconnaissance groundwater samples collected during the July 2023 supplemental remedial investigation (Table 4; Figures 7, 10, and 11).
- GRO was detected at a concentration of 130,000 µg/l and BTEX constituents were detected at concentrations ranging from 1,800 to 20,000 ug/l in the reconnaissance

groundwater sample collected at boring FB-32, all of which exceed the MTCA Method A cleanup levels (Table 5; Figures 8 and 12). GRO and BTEX were not detected in the reconnaissance groundwater samples collected from borings FB-31 and FB-34.

- DRO+ORO were detected at combined concentrations of 750 and 4,100 micrograms per liter (µg/l), both of which exceed the MTCA Method A cleanup level of 500 µg/l, in the reconnaissance groundwater samples collected from borings FB-31 and FB-32, respectively, near the top of the shallow water-bearing zone at a depth of 12 to 15 feet bgs. DRO+ORO were detected at a combined concentration less than the MTCA Method A cleanup level in the reconnaissance groundwater sample collected at boring FB-34. DRO+ORO were not detected in the reconnaissance groundwater samples collected from borings FB-31, FB-32, and FB-34 when analyzed using the silica gel cleanup procedure (Table 5; Figures 8 and 12).

Groundwater Samples

- The CVOCs TCE, cis-1,2-DCE, and vinyl chloride were detected at concentrations exceeding their respective MTCA cleanup levels in the groundwater sample collected from shallow monitoring well MW-27 (Table 4). All other CVOCs were either not detected or were detected at concentrations less than the applicable MTCA cleanup levels in the remaining groundwater samples collected during the July 2023 supplemental remedial investigation (Table 4; Figures 7, 10, and 11).
- GRO and/or BTEX constituents were not detected in any groundwater samples collected from monitoring wells during the July 2023 supplemental remedial investigation (Table 5; Figures 8 and 12). The monitoring wells sampled for GRO and/or BTEX included monitoring wells MW-6, MW-11, and MW-22 through MW-25.
- DRO+ORO were detected at a combined concentration of 510 µg/l, exceeding the MTCA Method A cleanup level of 500 µg/l, in the groundwater sample collected from shallow monitoring well MW-11. DRO+ORO were either not detected or were detected at a combined concentration equal to or less than the MTCA Method A cleanup level in the remaining groundwater samples collected during the July 2023 supplemental remedial investigation. DRO+ORO were not detected in the groundwater sample collected from shallow monitoring well MW-22 when analyzed using the acid silica gel cleanup procedure (Table 5; Figures 8 and 12).

DISCUSSION

Ecology comments regarding the conceptual site model for the Property indicated that the nature and extent of contamination at the Property had not been fully defined, including potential migration of petroleum and CVOC impacts to the adjacent properties to the west or the Rainier Avenue South right-of-way (ROW) to the east. This section includes discussion of the results from the July 2023 supplemental remedial investigation in relation to the conceptual site model, updated with the new data to address Ecology comments, and the recommended cleanup action alternative.

CONCEPTUAL SITE MODEL

Nature and Extent of CVOC Contamination

CVOCs were detected at concentrations slightly exceeding the MTCA Method B cleanup levels protective of the groundwater in soil samples collected from monitoring well boring MW-26 at the eastern Property boundary at depths ranging from 15 to 25 feet bgs during the July 2023 supplemental remedial investigation (Table 2; Figures 5, 10, and 11). The horizontal extent of CVOCs in soil at concentrations exceeding the applicable MTCA Method A or Method B cleanup levels is defined by the analytical results for soil samples collected from borings GLP-9, GLP-11, and FB-27 to the south, from borings FB-24, GLP-13, GLP-12, and monitoring well boring MW-21 to the west, from borings FB-30 and monitoring well boring MW-24 to the north, and from borings GLP-11, GP-5, GP-2, and monitoring well boring MW-20 to the east. The CVOC contamination in saturated soil at the 15 to 25 feet bgs interval in the Middle Parcel is likely caused by migration of CVOC contaminants in groundwater that sorbed to soil, as shallow soil intervals do not appear to be affected by CVOCs at concentrations exceeding MTCA cleanup levels. The vertical extent of CVOCs in soil at concentrations exceeding the applicable MTCA Method A or Method B cleanup levels is defined by the analytical results for deeper soil samples collected from borings FB-26 and monitoring well borings MW-19 and MW-21. Additional vertical delineation beneath the sump in the South Parcel is deferred until the building is removed to provide access, as previously agreed to by Ecology.

Groundwater analytical results from the July 2023 supplemental remedial investigation indicate that the groundwater CVOC plume originating beneath the 5021 Building on the South Parcel extends north onto the eastern half of the Middle Parcel and slightly into the Rainier Avenue South ROW in shallow groundwater, as detected in monitoring well MW-27, and is not present in deep groundwater in the ROW as indicated by the results for the

groundwater sample collected at deep monitoring well MW-26 (Table 4; Figure 10). The horizontal extent of CVOCs in groundwater at concentrations exceeding the applicable MTCA Method A or Method B cleanup levels is defined by the analytical results for groundwater samples collected from boring GLP-7 and monitoring wells MW-11, MW-14, and MW-15 to the south; from monitoring well MW-13 to the west; from borings FB-23 and FB-30 and monitoring wells MW-22, MW-23, MW-10, MW-18, and MW-24 to the north; and from monitoring wells MW-8, MW-5, and MW-20 to the east. The vertical extent of CVOC concentrations in groundwater has not been defined; however, the analytical results for the groundwater sample collected from deeper monitoring well MW-21 at the Middle Parcel indicate that vinyl chloride, detected at a concentration of 0.21 µg/l in February 2023, only slightly exceeds the MTCA Method B cleanup level of 0.20 µg/l. Vinyl chloride is the only CVOC detected in that groundwater sample, indicating that the vertical extent of CVOCs in groundwater is nearly defined at this location. The vertical delineation beneath the sump at the South Parcel is deferred until the building is removed to provide access for collection of deeper groundwater samples, as previously agreed to by Ecology.

A limited and isolated area of CVOC contamination was encountered in groundwater at the northwestern corner on the North Parcel during the July 2023 supplemental remedial investigation. The CVOCs 1,1,2-TCA and 1,2-DCA were detected at concentrations exceeding their respective MTCA Method B cleanup levels in a shallow reconnaissance groundwater sample collected at boring FB-32, but were not detected in soil samples collected at depth of 5, 10, and 15 feet bgs at boring FB-32 or at adjacent borings FB-22, GP-3, and GP-1 (Tables 2 and 4; Figures 5, 7, 10, and 11). The source of 1,1,2-TCA and 1,2-DCA has not been identified, but is likely associated with a releases from the first generation former service station proximate to boring FB-32 that occupied the North Parcel between approximately 1929 and 1950. The extent of 1,1,2-TCA and 1,2-DCA in groundwater at concentrations exceeding the applicable MTCA Method B cleanup levels is defined by the analytical results for groundwater samples collected at monitoring well MW-1 to the east, monitoring well MW-2 to the north, monitoring well MW-6 to the west, and monitoring wells MW-9, MW-22, and MW-23 to the south.

Nature and Extent of Petroleum Contamination

Two areas of petroleum-related contamination are present at the Morningside Acres Site, both of which are related to releases from the former gasoline service stations on the North Parcel (Figures 2, 6, and 8). The northern of the two petroleum-impacted areas contains GRO and benzene in soil and GRO, DRO+ORO, and BTEX in groundwater at concentrations

exceeding MTCA Method A cleanup levels as evidenced by the analytical results for soil samples from borings FB-32, FB-33, and GP-3 and groundwater samples from borings FB-22, FB-31, and FB-32 and monitoring well MW-6 (Tables 3 and 5). Analytical results indicate that the extent of petroleum impacts in soil at concentrations exceeding MTCA Method A cleanup levels is defined by soil samples collected from boring FB-34 to the west; from boring FB-22 to the south, from borings GLP-02 and GLP-03 to the east, and from boring GP-1 to the north (Table 3; Figure 6). DRO, ORO, and DRO+ORO were not detected in any of the groundwater samples analyzed using acid silica gel cleanup. Field notes recorded during reconnaissance groundwater sample collection at boring FB-32 describe the groundwater sample as cloudy and grayish brown in color, indicating a highly turbid sample, potentially biasing the reconnaissance groundwater sample results due to potential interference from suspended fine-grained soil. The extent of petroleum impacts in groundwater at concentrations exceeding MTCA Method A cleanup levels in the northern area of the North Parcel is defined by the analytical results for groundwater samples collected from boring FB-34 to the west; from monitoring wells MW-22, MW-23, and MW-9 to the south and southeast; from monitoring well MW-1 to the east; and from monitoring well MW-2 to the north (Table 5; Figures 8 and 12).

The southern of the two petroleum-impacted areas on the North Parcel contains GRO, DRO+ORO, and benzene at concentrations exceeding MTCA Method A cleanup levels as evidenced by the analytical results for soil samples from borings FB-23 (note the revised location on Figure 7) and FB-30, and monitoring well borings GLP-05 and GLP-18, and newly installed monitoring well boring MW-25 (Tables 3 and 5). The analytical results for groundwater in this area only exceed the MTCA Method A cleanup levels at boring FB-30 and monitoring well MW-10. Analytical results indicate that petroleum impacts in soil at the southern petroleum-impacted area on the North Parcel do not extend onto the west-adjoining property. Petroleum contamination was not encountered in soil samples collected from borings FB-35 and FB-36, immediately adjacent to the west-adjoining property, and sampled at depths of up to 18 feet bgs (Table 3; Figure 6). The analytical results and the observation that boring FB-23 is approximately 10 feet to the northeast of the location shown on prior figures, confirms that the western and southern extent of petroleum contamination in soil is confined to the North Parcel and bounded by soil samples collected from borings FB-35 and FB-36 and monitoring well boring MW-23. The southern extent of contamination in soil at concentrations exceeding the MTCA Method A cleanup level in this area is defined by the analytical results for soil samples collected from boring GLP-6 and

monitoring well boring MW-24 and the northern extent in soil is defined by the soil sample results for monitoring well boring GLP-04.

The extent of petroleum impacts in groundwater at concentrations exceeding MTCA Method A cleanup levels in the southern area of the North Parcel is defined by the analytical results for groundwater samples collected from boring FB-23 and monitoring wells MW-22 and MW-23 to the west, monitoring wells MW-13, MW-17, MW-19, and MW-21 to the south, monitoring well MW-25 to the east, and from monitoring wells MW-1, MW-9, and MW-18 to the north (Table 5; Figure 8). The new analytical results indicate that although there is limited GRO contamination in soil in the Rainier Avenue South ROW (sidewalk), the groundwater is not adversely affected, based on the analytical results for groundwater sample collected from monitoring well MW-25.

The results of the July 2023 supplemental remedial investigation are summarized below:

- CVOC impacts at concentrations exceeding MTCA cleanup levels have been defined in soil and shallow groundwater on the Middle Parcel and extend slightly beyond the eastern Property boundary to a limited portion of the Rainier Avenue South ROW.
- Petroleum impacts at concentrations exceeding MTCA cleanup levels are present in soil and groundwater at two separate areas on the North Parcel and do not extend on to the west-adjacent property(s). The northern area of petroleum-impacted area is confined to the Property.
- The petroleum-impacted soil at concentrations exceeding MTCA cleanup levels in the southern portion of the North Parcel likely extends slightly east to a limited portion of the Rainier Avenue South ROW. However, the groundwater is not adversely affected by petroleum contamination in the Rainier Avenue South ROW.

The results from the July 2023 supplemental investigation were used to update the conceptual site model developed for the Morningside Acres Site as the estimated extent of petroleum contamination on the North Parcel and the eastern extent of CVOC impacts on the Middle Parcel are slightly altered.

FEASIBILITY STUDY AND RECOMMENDED CLEANUP ACTION ALTERNATIVE

Based on the results from the feasibility study presented in Farallon's RI/FS Report, the recommended cleanup action alternative consisted of the following elements:

- Source removal by excavation and off-Property disposal of petroleum- and CVOC-contaminated soil to depths of up to 20 feet bgs in conjunction with Property redevelopment;
- Treatment and disposal of contaminated groundwater extracted during Property redevelopment activities;
- Installing groundwater treatment injection wells on the Middle and South Parcels of the Property during redevelopment;
- Conducting in-situ chemical reduction and enhanced bioremediation injection events on the Middle and South Parcels of the Property to treat concentrations of CVOCs in groundwater between a depth interval of approximately 10 to 45 feet bgs; and
- Semiannual performance groundwater monitoring for approximately 4 years, followed by 1 year of quarterly confirmational groundwater monitoring.

The results from the supplemental remedial investigation do not impact the selection of remedial technologies assembled for the recommended cleanup action alternative. The supplemental soil and groundwater data have been incorporated into the RI and used in reevaluation of the FS. The new data are also used in the final cleanup action plan, which will now include the following additional remedial actions (Figure 13):

- **Northern petroleum- and CVOC-impacted area on North Parcel** - The removal of source soil by excavation to a depth of up to 20 feet bgs will expand to include a larger footprint for the petroleum-impacted area and the 1,1,2-TCA and 1,2-DCA impacts in the northern portion of the North Parcel. A contingency for groundwater cleanup of 1,1,2-TCA and 1,2-DCA would consist of installing four injection wells and implementing in-situ chemical reduction and enhanced bioremediation injection in conjunction with the treatment of CVOC-related contamination on the South and Middle Parcels. The cost to implement cleanup action in conjunction with redevelopment is expected to change in this area to accommodate the disposal of additional soil and implementation of groundwater treatment.
- **Southern petroleum-impacted area on North Parcel** - The removal of petroleum source soil by excavation to a depth of up to 20 feet bgs in this area of the

Morningside Acres Site would expand east into the Rainier Avenue South ROW. However, the footprint of the proposed excavation remains relatively unchanged in size as the western portion of the excavation will not extend as far west as it was shown on the RI/FS Report figures. The cost to implement this excavation in conjunction with redevelopment is not expected to change.

- CVOC-impacted area on South and Middle Parcels – The removal of source soil beneath the basement of the warehouse on the South Parcel remains unchanged. CVOC-impacted soil on the Middle Parcel and the Rainier Avenue South ROW is present in the saturated zone and is believed to be associated with the migration of CVOC-impacted groundwater, rather than to a separate release. Therefore, the in-situ chemical reduction and enhanced bioremediation injection cleanup action will treat CVOCs in both soil and groundwater within the footprint of the CVOC plume. Additional injection wells will be installed to treat CVOC-impacted soil and groundwater adjacent to the eastern Property boundary, including the impacted portion of the Rainier Avenue South ROW. The cost to implement injections is expected to change due to the addition of seven injection wells and additional volume of the treatment solution.

The overall estimated cost for Alternative 3 presented in the RI/FS Report has increased from $1,232,000 to $1,463,000. The revised cost for Alternative 3 includes a 20 percent contingency on construction costs. The estimated costs for Alternatives 1 and 2 also have increased, totaling in excess of $2,700,000 each. Since the MTCA Composite Benefit Scores for all three alternatives remain unchanged, the Alternative 3 remains as the preferred cleanup alternative for cleanup of the Morningside Acres Site.

REQUEST FOR OPINION

Based on the additional investigation activities presented in this Second Addendum to the RI/FS, the nature and extent of contamination contained on the Property has been sufficiently defined and the analytical data evaluated to support selection of the preferred cleanup action alternative, which remains unchanged from the RI/FS Report as described above. Accordingly, Farallon respectfully requests that Ecology provide an opinion confirming and approving the recommended cleanup action alternative and issue a determination that No Further Action (NFA) will be issued for the Site following implementation of the cleanup action described herein (an NFA-likely letter), in accordance with MTCA. An Ecology Opinion Request Form is included in Attachment C.

CLOSING

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

Sincerely,

Farallon Consulting, L.L.C.

Stuart Brown.
Associate Geologist

Brani Jurista, L.G.
Principal Geologist

Attachments: Figure 1, *Property Vicinity Map*
Figure 2, *Current and Historical Property Features*
Figure 3, *Sampling Locations*
Figure 4, *Groundwater Elevation Contours – July 2023*
Figure 5, *Estimated Areal Extent of Chlorinated VOCs in Soil*
Figure 6, *Estimated Areal Extent of Petroleum Hydrocarbons in Soil*
Figure 7, *Estimated Areal Extent of Chlorinated VOCs in Groundwater*
Figure 8, *Estimated Areal Extent of Petroleum Hydrocarbons in Groundwater*
Figure 9, *Cross Section Locations*
Figure 10, *Cross Section A-A' – Chlorinated VOCs*
Figure 11, *Cross Section B-B' – Chlorinated VOCs*
Figure 12, *Cross Section A-A' – Petroleum Hydrocarbons*
Figure 13, *Alternative 3*
Table 1, *Groundwater Elevations*
Table 2, *Soil Analytical Results for Chlorinated VOCs*
Table 3, *Soil Analytical Results for Petroleum Hydrocarbons and Lead*
Table 4, *Groundwater Analytical Results for Chlorinated VOCs*
Table 5, *Groundwater Analytical Results for Petroleum Hydrocarbons and 1,2-Dibromoethane*
Attachment A, Boring Logs
Attachment B, Laboratory Analytical Reports
Attachment C, Ecology Opinion Request Form

cc: Jerry-Allan K. Murakami

SB/BJ:mbg

LIMITATIONS

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

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

Farallon does not guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions are as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Washin and Kathleen Murakami. No other warranties, representations, or certifications are made.

FIGURES

SECOND ADDENDUM TO REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT
Morningside Acres Tracts
5001, 5015, and 5021 Rainier Avenue South
Seattle, Washington

Farallon PN: 1355-001

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

0 5,000
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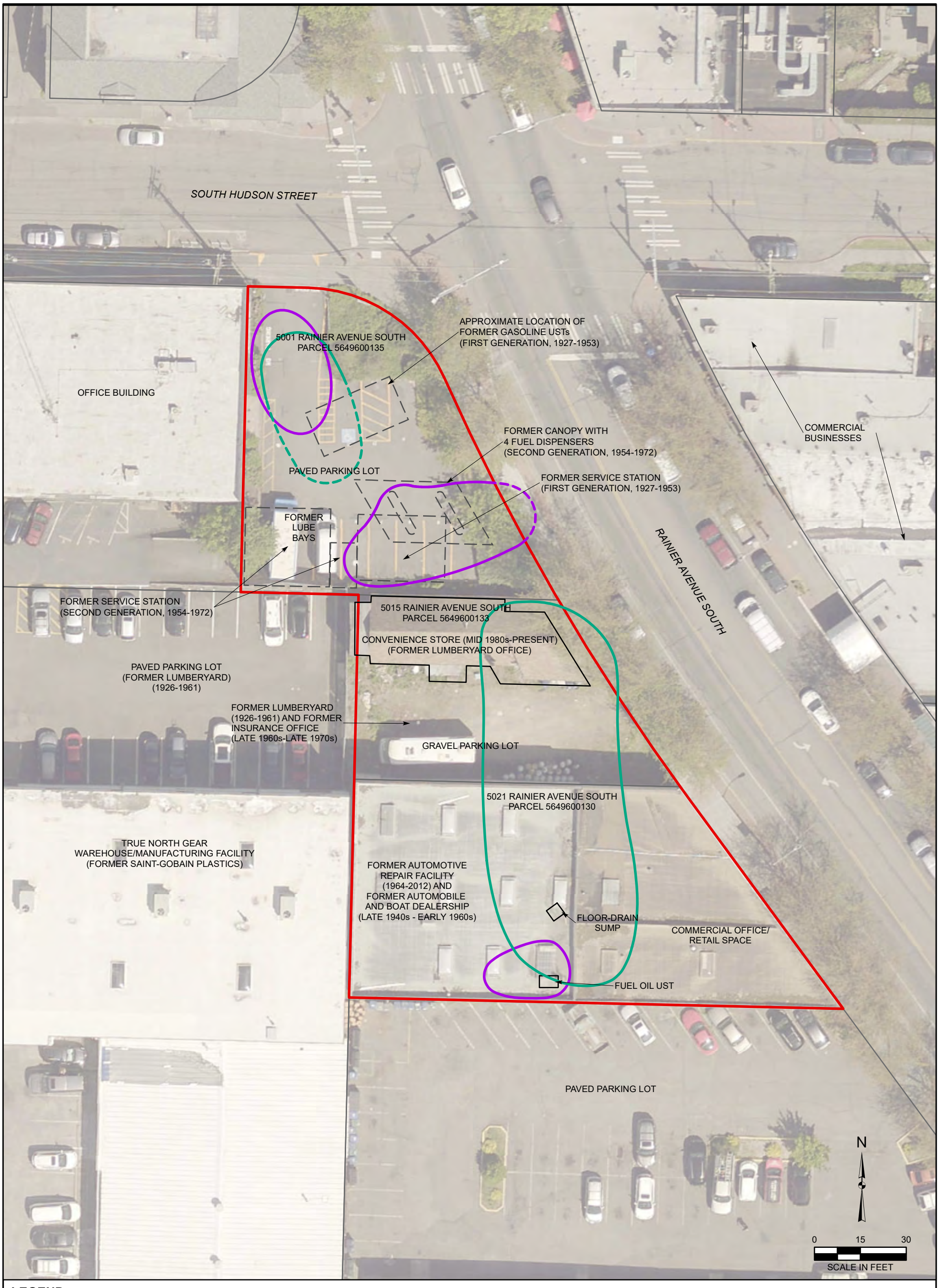
FIGURE 1

PROPERTY VICINITY MAP
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

Drawn By: lmurock Checked By: YP Date: 3/28/2023 Disc Reference:

Document Path: Q:\Projects\1355 Morningside\001 RainierAveS\Mapfiles\018\Figure-01 VicinityMap.mxd



LEGEND

- APPROXIMATE EXTENT OF CHLORINATED VOC CONTAMINATION (DASHED WHERE INFERRED)
- APPROXIMATE EXTENT OF PETROLEUM CONTAMINATION (DASHED WHERE INFERRED)
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

UST = UNDERGROUND STORAGE TANK
VOC = VOLATILE ORGANIC COMPOUND

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURE WAS PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 2

CURRENT AND HISTORICAL PROPERTY FEATURES
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

Drawn By: lmurock | Checked By: SB | Date: 8/2/2023 | Disc Reference:

Document Path: Q:\Projects\1355 Morningside\001 RainierAveS\Mapfiles\018\Figure-02_PropertyFeatures.mxd

LEGEND

- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (FARALLON)
- ANGLED BORING (FARALLON)
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- SUMP SEDIMENT SAMPLE
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- UST = UNDERGROUND STORAGE TANK

NOTES:
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FIGURE 3

SAMPLING LOCATIONS
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

Drawn By: lmurock | Checked By: SB | Date: 8/2/2023 | Disc Reference:

Document Path: Q:\Projects\1355 Morningside\001 RainierAveS\Mapfiles\018\Figure-03_SamplingLocations.mxd

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

LNAPL = LIGHT NONAQUEOUS PHASE LIQUID
UST = UNDERGROUND STORAGE TANK

(107.80) GROUNDWATER ELEVATION MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

[105.30] GROUNDWATER ELEVATION NOT USED IN CONTOURING

(NM) GROUNDWATER ELEVATION NOT MEASURED

107.50 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
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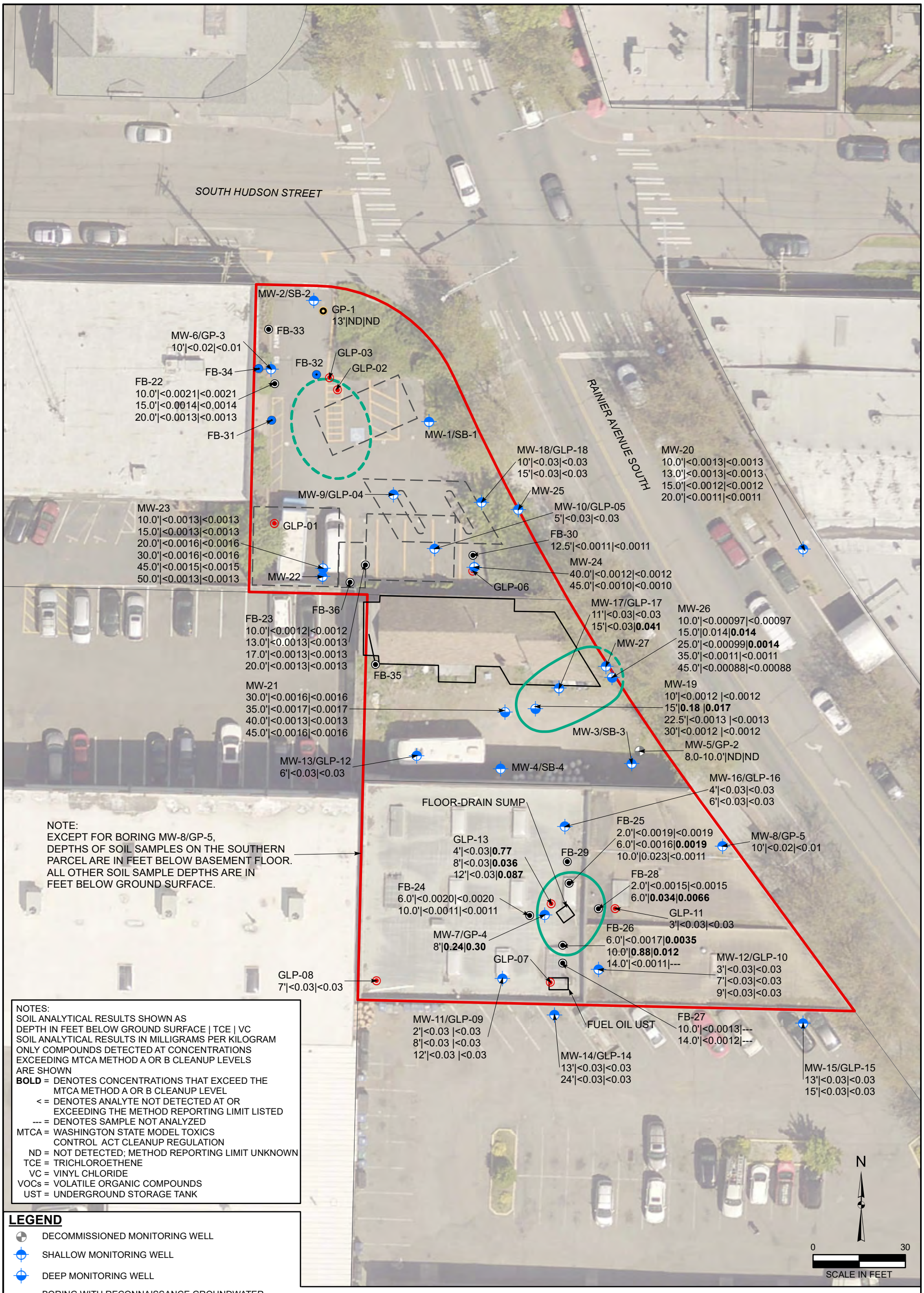
FIGURE 4

GROUNDWATER ELEVATION CONTOURS
JULY 2023
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

Drawn By: lmurock | Checked By: SB | Date: 8/2/2023 | Disc Reference:

Document Path: Q:\Projects\1355 Morningside\001 RainierAveS\Mapfiles\018\Figure-04_GW_Contours_202307.mxd



NOTE:
EXCEPT FOR BORING MW-8/GP-5, DEPTHS OF SOIL SAMPLES ON THE SOUTHERN PARCEL ARE IN FEET BELOW BASEMENT FLOOR. ALL OTHER SOIL SAMPLE DEPTHS ARE IN FEET BELOW GROUND SURFACE.

NOTES:
SOIL ANALYTICAL RESULTS SHOWN AS
DEPTH IN FEET BELOW GROUND SURFACE | TCE | VC
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
ONLY COMPOUNDS DETECTED AT CONCENTRATIONS EXCEEDING MTCA METHOD A OR B CLEANUP LEVELS ARE SHOWN
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE MTCA METHOD A OR B CLEANUP LEVEL
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE METHOD REPORTING LIMIT LISTED
--- = DENOTES SAMPLE NOT ANALYZED
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
ND = NOT DETECTED; METHOD REPORTING LIMIT UNKNOWN
TCE = TRICHLOROETHENE
VC = VINYL CHLORIDE
VOCs = VOLATILE ORGANIC COMPOUNDS
UST = UNDERGROUND STORAGE TANK

LEGEND

- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (FARALLON)
- ANGLED BORING (FARALLON)
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- ESTIMATED EXTENT OF CHLORINATED VOCs IN SOIL EXCEEDING MTCA METHOD A OR B CLEANUP LEVELS (DASHED WHERE INFERRED)
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
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FIGURE 5

ESTIMATED AREAL EXTENT OF CHLORINATED VOCs IN SOIL
MORNINGSIDE ACRES TRACTS 5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

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SOUTH HUDSON STREET

RAINIER AVENUE SOUTH

MW-2/SB-2
GP-1
13.0'|<30|<10
FB-32
10.0'|---|**160**
FB-33
10.0'|---|**480**
GLP-03
3.0'|---|<10
14.0'|---|<10
FB-34
10.0'|---|<7.3
GLP-02
9.0'|---|<10
MW-6/GP-3
10.0'|<30|**530**
FB-22
10.0'|<63|<12
15.0'|<49.5|<7.9
20.0'|<44|<6.1
FB-31
MW-1/SB-1
MW-10/GLP-05
5.0'|**10,100**|**4,460**
11.5'|**7,000**|**4,800**
18.0'|**2,435**|**890**
MW-25
5.0'|<68|<6.2
10.0'|<62|**440**
15.0'|<63|<7.4
17.0'|<62|<7.7
FB-23
10.0'|355|<18
13.0'|464|**1,400**
17.0'|<49|<8.2
20.0'|<46|<7.6
MW-9/GLP-04
14.0'|---|<10
MW-18/GLP-18
10.0'|<40|**63**
15.0'|<40|**86**
FB-30
5.0'|**5,920**|**150**
10.0'|**7,120**|**390**
19.0'|<48.5|<7.1
GLP-01
8.5'|---|<10
10.0'|---|<10
MW-24
40.0'|<42|<5.9
45.0'|<43|<5.5
MW-20
10.0'|<47|<7.7
13.0'|79|<7.8
15.0'|<48|<6.9
20.0'|<49.5|<6.9
GLP-06
11.0'|<40|28
17.0'|---|<10
18.0'|---|<10
MW-23
10.0'|<52|<8.2
15.0'|<48|<7.0
20.0'|<49.5|<9.0
30.0'|<47|<7.7
45.0'|<46.5|<7.5
50.0'|<47.5|<6.8
MW-22
FB-36
10.0'|<67|<7.1
13.0'|<79|<10
18.0'|<67|<7.8
MW-27
MW-26
MW-19
10.0'|67.5|<7.3
15.0'|<49.5|<8.7
22.5'|<50.5|<8.6
30.0'|<49.5|<7.6
FB-35
10.0'|<61|<6.6
11.5'|<64|<7.8
MW-21
30.0'|<48|<8.2
35.0'|<46.5|<8.1
40.0'|<46.5|<6.5
45.0'|<49|<7.3
MW-17/GLP-17
MW-5/GP-2
MW-13/GLP-12
6.0'|<40|<10
MW-4/SB-4
MW-3/SB-3
MW-16/GLP-16
4.0'|<40|---
6.0'|<40|---
MW-8/GP-5
10.0'|<30|<10
GLP-13
4.0'|<40|---
8.0'|<40|---
12.0'|<40|---
FB-29
FB-25
MW-7/GP-4
8.0'|<30|<10
FB-28
GLP-11
3.0'|<40|<10
MW-11/GLP-09
2.0'|<40|<10
8.0'|---|<10
12.0'|---|<10
FB-24
FB-26
FB-27
MW-12/GLP-10
3.0'|<40|<10
7.0'|---|<10
9.0'|---|<10
GLP-08
7.0'|---|<10
12.0'|<40|<10
GLP-07
MW-14/GLP-14
13.0'|<40|---
24.0'|<40|---
MW-15/GLP-15

NOTES:
SOIL RESULTS SHOWN AS:
DEPTH IN FEET BELOW GROUND SURFACE | DRO+ORO | GRO
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE MTCA METHOD A CLEANUP LEVEL
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE METHOD REPORTING LIMIT LISTED
--- = DENOTES SAMPLE NOT ANALYZED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
DRO+ORO = THE SUM OF DRO AND ORO, USING ONE HALF OF THE REPORTING LIMIT IN THE SUMMATION FOR NON-DETECT RESULTS. BEGINNING IN JULY 2023, RESULTS WERE QUANTIFIED BY THE LABORATORY AS HYDROCARBON RANGE C10 TO C36 (DIESEL AND OIL RANGES).
ORO = TPH AS OIL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
UST = UNDERGROUND STORAGE TANK

LEGEND

- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (FARALLON)
- ANGLED BORING (FARALLON)
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- ESTIMATED EXTENT OF PETROLEUM IMPACTS IN SOIL EXCEEDING MTCA METHOD A CLEANUP LEVEL (DASHED WHERE INFERRED)
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

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FIGURE 6

ESTIMATED AREAL EXTENT OF
PETROLEUM HYDROCARBONS IN SOIL
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

Drawn By: lmurock | Checked By: SB | Date: 8/2/2023 | Disc Reference:

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RAINIER AVENUE SOUTH

SOUTH HUDSON STREET

MW-2/SB-2
1/8/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|<1
12/15/2017|<0.20|<0.20|<0.20|<0.20|<0.20
10/2/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/10/2021|<0.20|<0.20|<0.20|<0.20|<0.20

FB-32
7/13/2023|<10|<10|<10|**820**|<10|TCA:**39**

GP-1

FB-33

MW-6/GP-3
8/4/2006|ND|ND|ND|ND|ND
1/8/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|<1
12/15/2017|<0.20|<0.20|<0.20|<0.20|<0.20
10/2/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/10/2021|<0.20|<0.20|<0.20|<0.20|<0.20

MW-1/SB-1
5/30/2006|ND|ND|ND|ND|ND
1/8/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|<1
2/12/2013|<1|<1|<0.2|<1|<1

GLP-03

GLP-02

FB-34
7/14/2023|<0.20|<0.20|<0.20|<0.20|<0.20

MW-18/GLP-18
2/16/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|<1
12/15/2017|<0.20|<0.20|<0.20|<0.20|<0.20
10/3/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/10/2021|<0.20|<0.20|<0.20|<0.20|<0.20

MW-20
5/10/2018|<0.20|<0.20|<0.20|<0.20|<0.20
10/3/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/10/2021|<0.20|<0.20|<0.20|<0.20|<0.20

FB-22
8/29/2018|<0.20|<0.20|**0.84**|<0.20|<0.20

FB-31
7/13/2023|<0.20|<0.20|<0.20|<0.20|<0.20

MW-10/GLP-05
1/8/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|<1

MW-9/GLP-04
1/8/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|<1
12/15/2017|<0.20|<0.20|<0.20|<0.20|<0.20
10/3/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/10/2021|<0.20|<0.20|<0.20|<0.20|<0.20

MW-25

FB-30
2/14/2023|<0.20|<0.20|<0.20|<0.20|<0.20 (15 FT BGS)
2/16/2023|<0.20|<0.20|<0.20|<0.20|<0.20 (30 FT BGS)

GLP-01

MW-24
2/22/2023|<0.20|<0.20|<0.20|<0.20|<0.20

MW-23
2/20/2023|<0.20|<0.20|<0.20|<0.20|<0.20

MW-17/GLP-17
2/16/2007|**109**|**77.3**|**155**|<1.0|<1.0
2/12/2013|**48**|**41**|**76**|<1|---
12/14/2017|**18**|**23**|**23**|0.31|0.32
12/14/2017|**17**|**23**|**22**|0.31|0.29
10/2/2018|**31**|**34**|**46**|0.41|0.41
8/9/2021|**16**|**23**|**22**|0.20|0.26

MW-22
2/20/2023|<0.20|<0.20|<0.20|<0.20|<0.20

GLP-06

FB-36

MW-27
7/20/2023|**9.4**|**34**|**48**|0.53|0.41

FB-23
8/29/2018|<0.20|<0.20|<0.20|<0.20|<0.20

MW-26
7/20/2023|<0.20|<0.20|<0.20|<0.20|<0.20

FB-35

MW-19
12/14/2017|**6.6**|**19**|**41**|<0.40|<0.40
10/2/2018|0.86|3.7|**8.5**|<0.20|<0.20
8/9/2021|1.2|7.1|**15**|<0.20|<0.20

MW-5/GP-2
6/9/2006|2.2|13|24|ND|ND

MW-3/SB-3
8/4/2006|ND|ND|**0.72**|ND|ND
1/8/2007|<1.0|3.3|**0.46**|<1.0|<1.0
2/12/2013|<1|1.4|<0.2|<1|---
12/15/2017|<0.20|0.48|<0.20|<0.20|<0.20
10/2/2018|<0.20|1.2|<0.20|<0.20|<0.20
8/9/2021|<0.20|0.51|<0.20|<0.20|<0.20

MW-21/FB-21
10/2/2018|1.2|2.6|**7.9**|<0.20|<0.20
8/9/2021|<0.20|0.55|**0.98**|<0.20|<0.20
2/20/2023|<0.20|<0.20|**0.21**|<0.20|<0.20

MW-16/GLP-16
2/16/2007|**30.2**|**27.9**|**7**|<1.0|<1.0
2/12/2013|2.4|**24**|**6.6**|<1|---
12/14/2017|1.7|**30**|**8.1**|<0.20|<0.20
10/3/2018|1.2|**25**|**7.0**|<0.20|<0.20
8/9/2021|1.2|**25**|**7.1**|<0.20|<0.20

MW-13/GLP-12
1/8/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|---
12/14/2017|<0.20|<0.20|<0.20|<0.20|<0.20
10/2/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/9/2021|<0.20|<0.20|<0.20|<0.20|<0.20

MW-8/GP-5
8/4/2006|ND|ND|ND|ND|ND
1/8/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|---
12/15/2017|<0.20|<0.20|<0.20|<0.20|<0.20
10/3/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/10/2021|<0.20|<0.20|<0.20|<0.20|<0.20

MW-4/SB-4
5/30/2006|ND|ND|**2.1**|ND|ND
6/9/2006|1.8|2.7|**16**|ND|ND
1/8/2007|<1.0|0.79|**4.0**|<1.0|<1.0
2/12/2013|<1|1.3|**7.0**|<1|---
12/14/2017|0.31|0.71|**1.5**|<0.20|<0.20
10/2/2018|0.24|0.71|**1.5**|<0.20|<0.20

MW-7/GP-4
8/4/2006|**51**|**160**|**260**|**11**|**3.4**
1/8/2007|**16**|**173**|**593**|**8.2**|<1.0
2/12/2013|**25**|**220**|**290**|**6.1**|<1
12/14/2017|**24**|**140**|**150**|**5.1**|**2.4**
12/14/2017|**24**|**140**|**140**|5|**2.3**
10/3/2018|**50**|**210**|**250**|**6.9**|**3.9**
8/9/2021|**34**|**120**|**150**|4.2|**2.4**

FB-29

FB-25

GLP-13

GLP-11

FB-28

Sump

FB-24

FB-26

GLP-07
1/8/2007|<1.0|<1.0|<0.2|<1.0|<1.0

FB-27

MW-12/GLP-10
1/8/2007|**12.2**|6.2|**1.2**|<1.0|<1.0
2/12/2013|**8.3**|6.7|**0.26**|<1|---
12/14/2017|**23**|**29**|**11**|0.57|0.52
10/3/2018|**38**|**46**|**13**|0.80|0.79
8/9/2021|**47**|**57**|**20**|0.91|0.75

GLP-08

MW-11/GLP-09
1/8/2007|0.9|1.2|1.4|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|---
12/14/2017|<0.20|0.73|<0.20|<0.20|<0.20
10/3/2018|<0.20|1.0|<0.20|<0.20|<0.20
8/9/2021|<0.20|0.62|<0.20|<0.20|<0.20

MW-15/GLP-15
2/16/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|---
12/14/2017|<0.20|<0.20|<0.20|<0.20|<0.20
10/3/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/9/2021|<0.20|<0.20|<0.20|<0.20|<0.20

MW-14/GLP-14
2/16/2007|<1.0|<1.0|<0.2|<1.0|<1.0
2/12/2013|<1|<1|<0.2|<1|---
12/15/2017|<0.20|<0.20|<0.20|<0.20|<0.20
10/3/2018|<0.20|<0.20|<0.20|<0.20|<0.20
8/10/2021|<0.20|<0.20|<0.20|<0.20|<0.20

N

0 30

SCALE IN FEET

NOTES:
DATE SAMPLED AND ANALYTICAL RESULTS AS:
SAMPLE DATE | TCE | cis-1,2-DCE | VC | 1,2-DCA | 1,2-DCP
GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER.
ONLY COMPOUNDS DETECTED AT CONCENTRATIONS EXCEEDING MTCA METHOD A OR B CLEANUP LEVELS ARE SHOWN
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MTCA METHOD A OR B CLEANUP LEVEL
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE METHOD REPORTING LIMIT LISTED
FT BGS = FEET BELOW GROUND SURFACE
TCA = 1,1,2-TRICHLOROETHANE
TCE = TRICHLOROETHENE
CIS-1,2-DCE = CIS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
1,2-DCA = 1,2-DICHLOROETHANE
1,2-DCP = 1,2-DICHLOROPROPANE
--- = DENOTES SAMPLE NOT ANALYZED
ND = NOT DETECTED; METHOD REPORTING LIMIT UNKNOWN
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
VOCs = VOLATILE ORGANIC COMPOUNDS
UST = UNDERGROUND STORAGE TANK

LEGEND

- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (FARALLON)
- ANGLED BORING (FARALLON)
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- ESTIMATED EXTENT OF CHLORINATED VOCs EXCEEDING MTCA METHOD A OR B CLEANUP LEVELS IN GROUNDWATER (BASED ON MOST RECENT DATA), DASHED WHERE INFERRED
- INFERRED GROUNDWATER FLOW DIRECTION
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
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FIGURE 7

ESTIMATED AREAL EXTENT OF CHLORINATED VOCS IN GROUNDWATER
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

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RAINIER AVENUE SOUTH

SOUTH HUDSON STREET

MW-2/SB-2
2/12/2013|315|<100
12/15/2017|<340|<100
10/2/2018|<325|<100
8/10/2021|<200|<100

GP-1

MW-6/GP-3
12/15/2017|<340|<100
10/2/2018|465|<100
8/10/2021|**980**|<100
7/19/2023|<260|<100

FB-33

FB-32
7/13/2023|**4,100**|**130,000**

FB-34
7/14/2023|330|<100

GLP-03

GLP-02

FB-22
8/29/2018|**840**|<100

FB-31
7/13/2023|**750**|<100

MW-1/SB-1
5/30/2006|ND|ND
1/8/2007|---|<100
2/12/2013|197|<100

MW-18/GLP-18
2/12/2013|208|<100
12/15/2017|<335|<100
10/3/2018|<335|<100
8/10/2021|365|<100

MW-10/GLP-05
1/8/2007|**513,000**|**298,000***
2/12/2013|**92,000**|**1,700**

MW-9/GLP-04
2/12/2013|**710**|<100
12/15/2017|<335|<100
10/3/2018|<325|<100
8/10/2021|**610**|<100

MW-25
7/19/2023|500|<100

MW-20
5/10/2018|<340|<100
10/3/2018|<325|<100
8/10/2021|<210|<100

GLP-01

FB-30
2/14/2023|**6,800**|<400 (15 FT BGS)
2/16/2023|**940**|<100 (30 FT BGS)

MW-23
2/20/2023|---1|---1|<100
3/23/2023|330|<100
7/19/2023|<250|<100

MW-24
2/22/2023|<230|<100
7/19/2023|<260|<100

GLP-06

MW-19
12/14/2017|<335|<100
10/2/2018|<325|<100
8/9/2021|<200|<100
7/20/2023|---|---

MW-22
2/20/2023|**710**|<100
7/19/2023|250|<100

FB-36

FB-23
8/29/2018|---|<100

FB-35

MW-27

MW-26

MW-17/GLP-17
2/12/2013|<150|<100
12/14/2017|<375|<100
10/2/2018|<325|<100
8/9/2021|<210|<100

MW-21
10/2/2018|**580**|<100
8/9/2021|365|<100

MW-5/GP-2
6/9/2006|ND|ND

MW-3/SB-3
2/12/2013|<150|<100
12/15/2017|<335|<100
10/2/2018|<325|<100
8/9/2021|<210|<100

MW-13/GLP-12
2/12/2013|<150|<100
12/14/2017|<340|<100
10/2/2018|<335|<100
8/9/2021|<210|<100

MW-4/SB-4
1/8/2007|---|<100
2/12/2013|<150|<100
12/14/2017|<330|<100
10/2/2018|<325|<100

MW-16/GLP-16
2/12/2013|<150|<100
12/14/2017|<335|<100
10/3/2018|<335|<100
8/9/2021|<210|<100

MW-8/GP-5
2/12/2013|<257.5|<100
12/15/2017|<325|<100
10/3/2018|---|<100
8/10/2021|<260|<100

MW-7/GP-4
2/12/2013|<150|<100
12/14/2017|<340|<100
10/3/2018|<325|<100
8/9/2021|<210|<100

FB-29

FB-25

FB-28

GLP-11

GLP-13

MW-12/GLP-10
12/14/2017|**525**|<100
10/3/2018|465|<100
8/9/2021|**630**|<100
7/19/2023|<270|---

MW-15/GLP-15
2/12/2013|<150|<100
12/14/2017|<380|<100
10/3/2018|<325|<100
8/9/2021|<210|<100

FB-24

FB-26

FB-27

MW-11/GLP-09
12/14/2017|<340|<100
10/3/2018|<360|<100
8/9/2021|**1,010**|<100
7/19/2023|**510**|---

MW-14/GLP-14
2/12/2013|<150|<100
12/15/2017|<355|<100
10/3/2018|<325|<100
8/10/2021|<210|<100

GLP-08

GLP-07
1/5/2007|**53,000**|<100

N

0 30

SCALE IN FEET

NOTES:
GROUNDWATER SAMPLE DATE AND ANALYTICAL RESULTS AS:
DATE SAMPLED | DRO+ORO | GRO
GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MTCA METHOD A CLEANUP LEVEL
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE METHOD REPORTING LIMIT LISTED
--- = DENOTES SAMPLE NOT ANALYZED
* = QUANTIFIED AS MINERAL SPIRITS
[1] = ORIGINAL DRO AND ORO RESULTS FOR SAMPLE MW-23-022023 WERE 690 AND 190 MICROGRAMS PER LITER, RESPECTIVELY. THIS SAMPLE CONTAINED HIGH TURBIDITY AT 1,414 NEPHELOMETRIC TURBIDITY UNITS (NTU) THAT APPEARED TO IMPACT RESULTS. ANOTHER GROUNDWATER SAMPLE WAS COLLECTED FROM MW-23 ON 3/23/2023 WITH A TURBIDITY MEASUREMENT OF 180 NTU THAT WAS SUBMITTED FOR NWTPH-Dx ANALYSIS. THE RESULTS FROM THE SAMPLE COLLECTED ON 3/23/2023 ARE SHOWN ON THE FIGURE.
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
DRO+ORO = THE SUM OF DRO AND ORO, USING ONE HALF OF THE REPORTING LIMIT IN THE SUMMATION FOR NON-DETECT RESULTS. BEGINNING IN JULY 2023, RESULTS WERE QUANTIFIED BY THE LABORATORY AS HYDROCARBON RANGE C10 TO C36 (DIESEL AND OIL RANGES).
FT BGS = FEET BELOW GROUND SURFACE
GRO = TPH AS GASOLINE-RANGE ORGANICS
ND = NOT DETECTED; METHOD REPORTING LIMIT UNKNOWN
ORO = TPH AS OIL-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
UST = UNDERGROUND STORAGE TANK

LEGEND

- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (FARALLON)
- ANGLED BORING (FARALLON)
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- ESTIMATED EXTENT OF PETROLEUM IMPACTS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVEL (DASHED WHERE INFERRED)
- INFERRED GROUNDWATER FLOW DIRECTION
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- APPROXIMATE PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
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FIGURE 8

ESTIMATED AREAL EXTENT OF
PETROLEUM HYDROCARBONS IN GROUNDWATER
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

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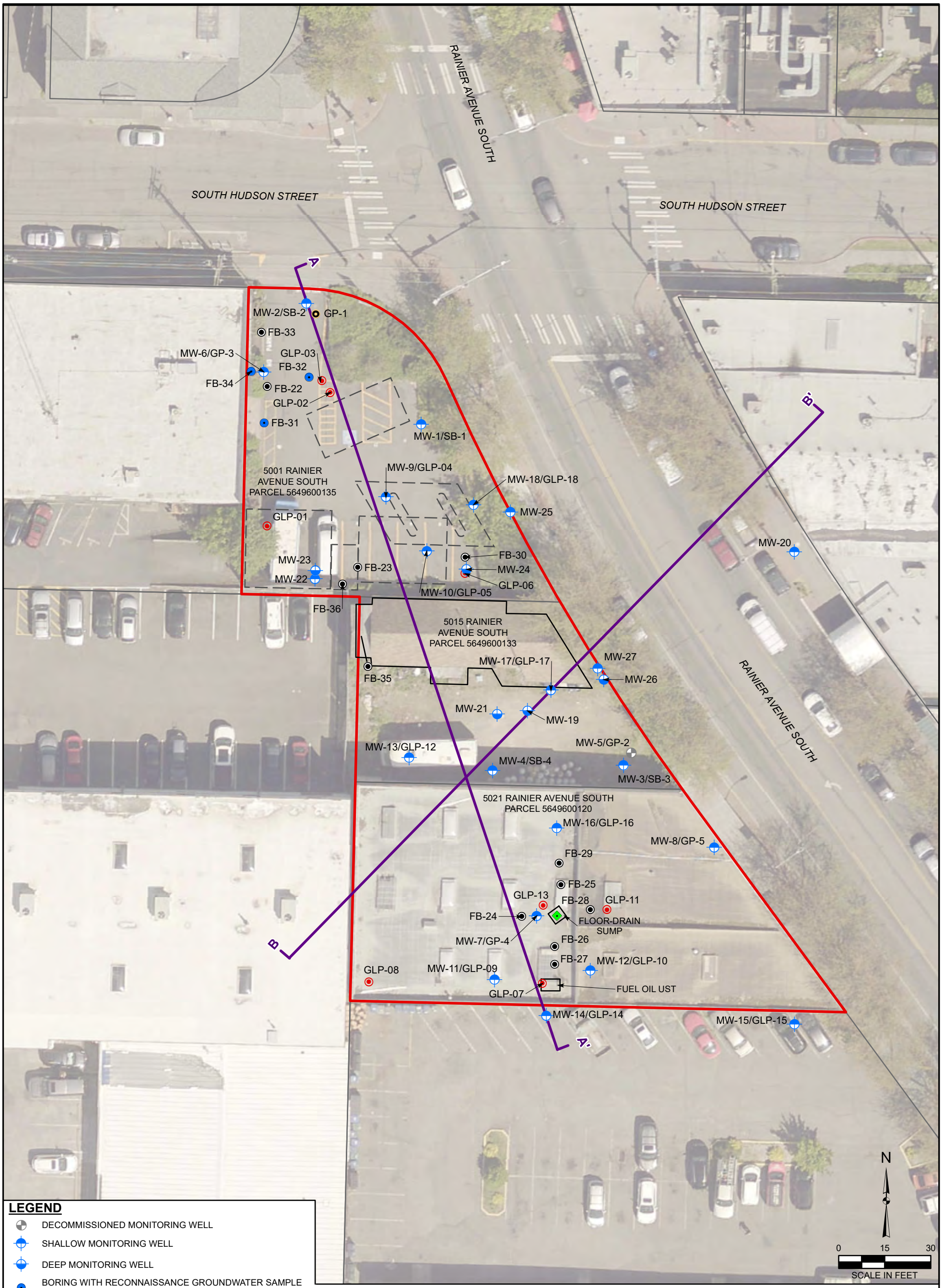

LEGEND

- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (FARALLON)
- ANGLED BORING (FARALLON)
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- SUMP SEDIMENT SAMPLE
- A A' LINE OF CROSS SECTION
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- UST = UNDERGROUND STORAGE TANK

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FIGURE 9

CROSS SECTION LOCATIONS
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

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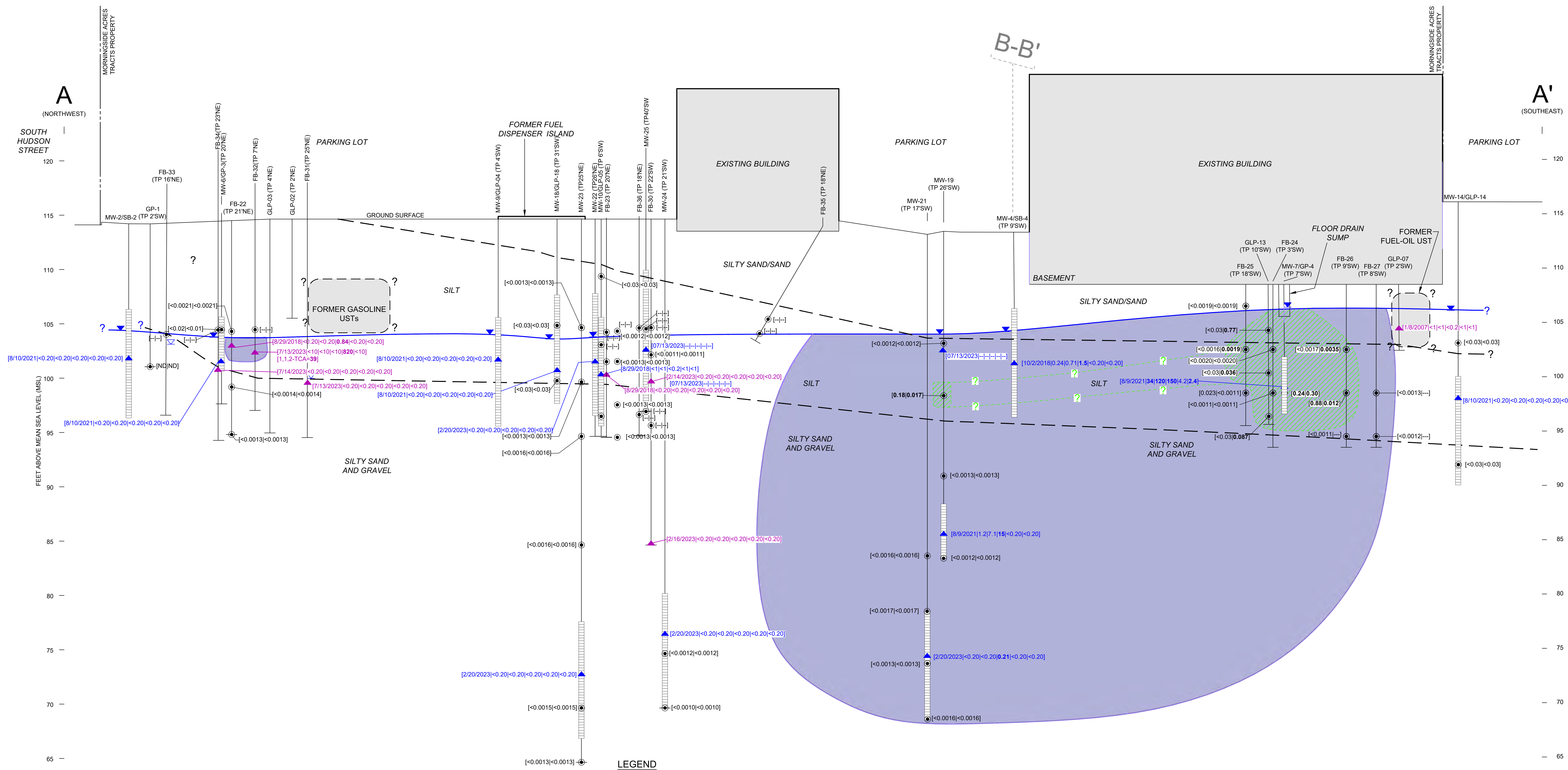

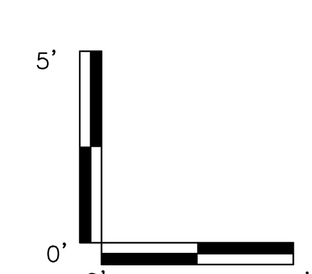

LEGEND

MW-6/GP-3 (TP 20'SW)	BORING OR MONITORING WELL LOCATION TRANSPOSED (TP) IN FEET, NORTHEAST (NE) OR SOUTHWEST (SW), TO CROSS-SECTION LINE
	STRATIGRAPHIC CONTACT/DASHED WHERE INFERRED
	GROUNDWATER LEVEL (10/2/2018)
	GROUNDWATER LEVEL (7/19/2023)
	SOIL SAMPLE
	GROUNDWATER SAMPLE
	RECONNAISSANCE GROUNDWATER SAMPLE
	WELL SCREEN INTERVAL
	ESTIMATED EXTENT OF CHLORINATED VOCS IN SOIL EXCEEDING MTCA METHOD A OR B CLEANUP LEVELS (DASHED WHERE INFERRED)
	ESTIMATED EXTENT OF CHLORINATED VOCS IN GROUNDWATER EXCEEDING MTCA METHOD A OR B CLEANUP LEVELS

10/2/2018|<0.20|<0.20|<0.20|<0.20|<0.20	GROUNDWATER RESULTS FOR (DATE|TCE|CIS-1,2-DCE|VC|1,2-DCA|1,2-DCP) IN MICROGRAMS PER LITER (MOST RECENT RESULTS SHOWN AT EACH LOCATION)
2/16/2023|<0.20|<0.20|<0.20|<0.20|<0.20	RECONNAISSANCE GROUNDWATER SAMPLE
[<0.03|<0.03]	SOIL RESULTS FOR [TCE|VC] IN MILLIGRAMS PER KILOGRAM
<	DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
BOLD	INDICATES CONCENTRATION EXCEEDS THE MTCA METHOD A OR B CLEANUP LEVEL
---	SAMPLE NOT ANALYZED FOR CONSTITUENT
UST	UNDERGROUND STORAGE TANK
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
VOC	VOLATILE ORGANIC COMPOUND
TCE	TRICHLOROETHENE
CIS-1,2-DCE	CIS-1,2-DICHLOROETHENE
VC	VINYL CHLORIDE
1,2-DCP	1,2-DICHLOROPROPANE
1,2-DCA	1,2-DICHLOROETHANE
1,1,2-TCA	1,1,2-TRICHLOROETHANE

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FIGURE 10

CROSS SECTION A-A'
CHLORINATED VOCs
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

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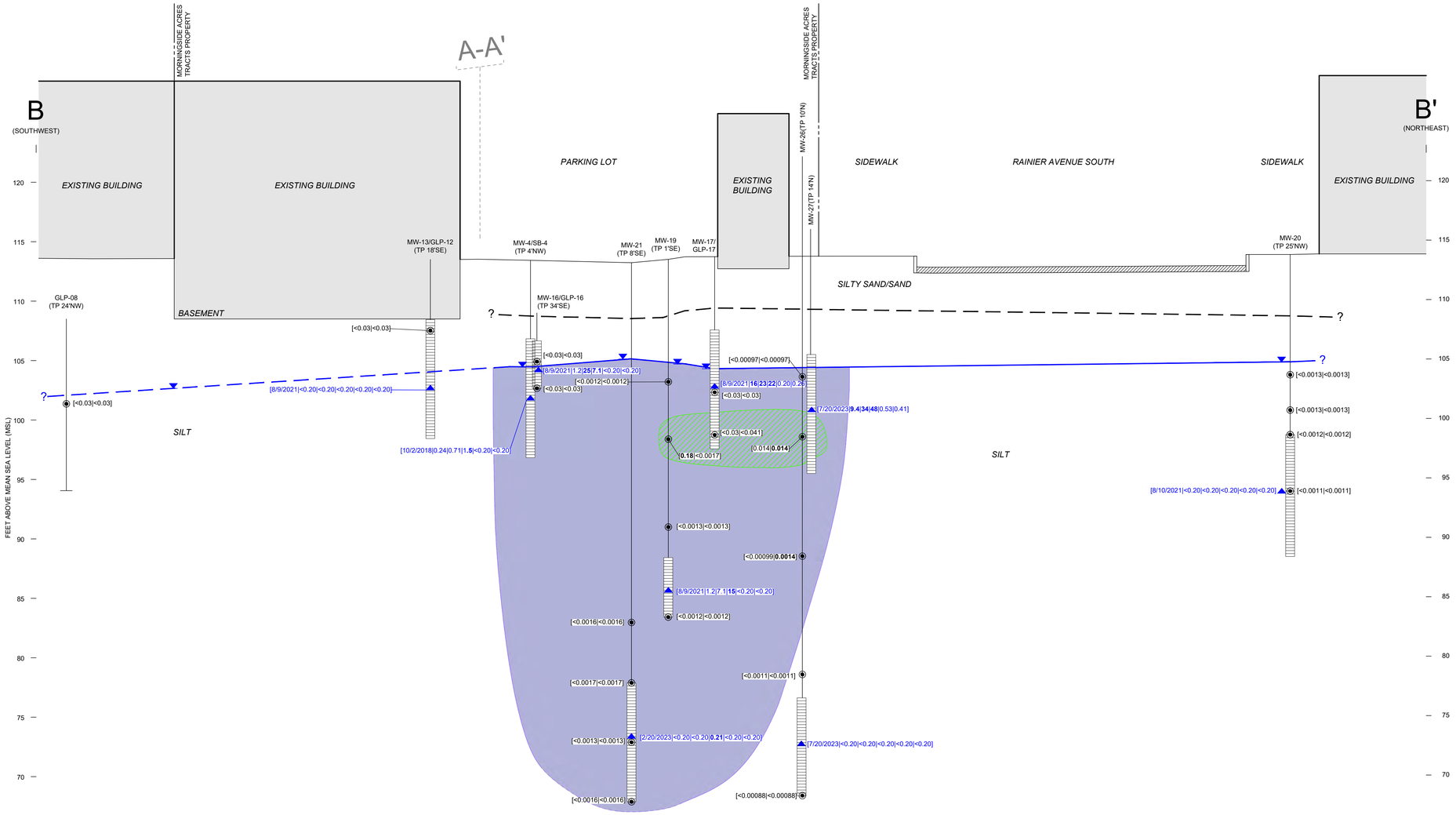
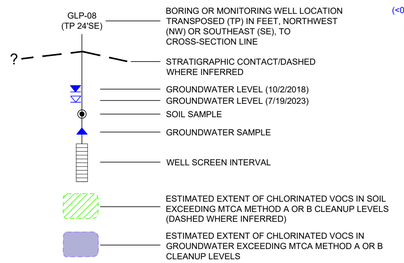


LEGEND



(<0.20|<0.20|<0.20|<0.20|<0.20)	GROUNDWATER RESULTS FOR (DATE|TCE|CIS-1,2-DCE|VC|1,2-DCA|1,2-DCP) IN MICROGRAMS PER LITER (MOST RECENT RESULTS SHOWN AT EACH LOCATION)
[<0.03|<0.03]	SOIL RESULTS FOR [TCE|VC] IN MILLIGRAMS PER KILOGRAM
<	DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
BOLD	INDICATES CONCENTRATION EXCEEDS THE MTCA METHOD A OR B CLEANUP LEVELS
---	SAMPLE NOT ANALYZED FOR CONSTITUENT
UST	UNDERGROUND STORAGE TANK
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
VOC	VOLATILE ORGANIC COMPOUND
TCE	TRICHLOROETHENE
CIS-1,2-DCE	CIS-1,2-DICHLOROETHENE
VC	VINYL CHLORIDE
1,2-DCP	1,2-DICHLOROPROPANE
1,2-DCA	1,2-DICHLOROETHANE

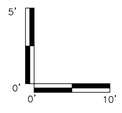


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FIGURE 11

CROSS SECTION B-B'
CHLORINATED VOCs
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
FARALLON PN:1355-001

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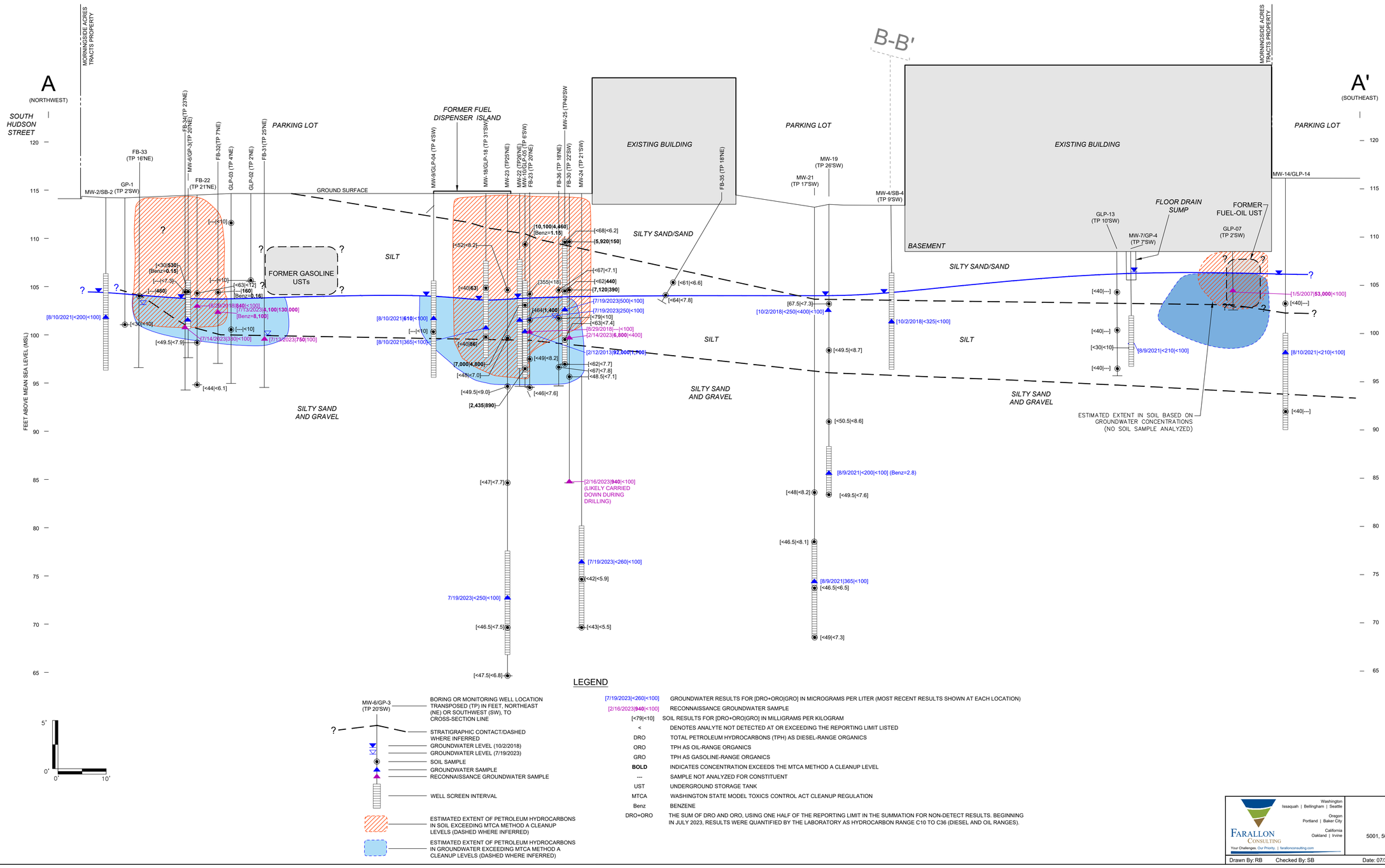

LEGEND

[7/19/2023|<260|<100]	GROUNDWATER RESULTS FOR [DRO+ORO|GRO] IN MICROGRAMS PER LITER (MOST RECENT RESULTS SHOWN AT EACH LOCATION)
[2/16/2023|**940**|<100]	RECONNAISSANCE GROUNDWATER SAMPLE
[<79|<10]	SOIL RESULTS FOR [DRO+ORO|GRO] IN MILLIGRAMS PER KILOGRAM
<	DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
DRO	TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
ORO	TPH AS OIL-RANGE ORGANICS
GRO	TPH AS GASOLINE-RANGE ORGANICS
BOLD	INDICATES CONCENTRATION EXCEEDS THE MTCA METHOD A CLEANUP LEVEL
---	SAMPLE NOT ANALYZED FOR CONSTITUENT
UST	UNDERGROUND STORAGE TANK
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
Benz	BENZENE
DRO+ORO	THE SUM OF DRO AND ORO, USING ONE HALF OF THE REPORTING LIMIT IN THE SUMMATION FOR NON-DETECT RESULTS. BEGINNING IN JULY 2023, RESULTS WERE QUANTIFIED BY THE LABORATORY AS HYDROCARBON RANGE C10 TO C36 (DIESEL AND OIL RANGES).

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FIGURE 12

CROSS SECTION A-A'
PETROLEUM HYDROCARBONS
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN:1355-001

Drawn By: RB Checked By: SB Date: 07/31/2023

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LEGEND

- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- BORING WITH RECONNAISSANCE GROUNDWATER SAMPLE (FARALLON)
- ANGLED BORING (FARALLON)
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- IN-SITU CHEMICAL REDUCTION/ENHANCED BIOREMEDIATION INJECTION WELL
- ASSUMED INJECTION AREA OF INFLUENCE
- APPROXIMATE SOURCE AREA TO BE EXCAVATED (MAXIMUM EXCAVATION DEPTH = 20 FEET BELOW GROUND SURFACE)
- HISTORICAL GAS STATION FEATURE
- PROPERTY FEATURE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
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FIGURE 13

ALTERNATIVE 3
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021
RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1355-001

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TABLES

SECOND ADDENDUM TO REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT
Morningside Acres Tracts
5001, 5015, and 5021 Rainier Avenue South
Seattle, Washington

Farallon PN: 1355-001

Table 1
Groundwater Elevations
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Top of Casing Elevation (feet NAVD88)[1]	Screened Interval (feet)[2]	Screened Interval (feet NAVD88)[1]	Monitoring Date	Depth to Water (feet)[2]	Depth to LNAPL (feet)[2]	LNAPL Thickness (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-1	114.87	8 - 18	106.9 - 96.9	1/5/2007	9.91	---	---	104.96
				1/10/2007	9.99	---	---	104.88
				2/20/2007	10.41	---	---	104.46
				2/12/2013	10.52	---	---	104.35
				8/9/2021	NM	---	---	---
				2/22/2023	9.70	---	---	105.17
				7/19/2023	10.40	---	---	104.47
MW-2	114.38	8 - 18	106.4 - 96.4	1/5/2007	16.07	---	---	98.31
				1/10/2007	Dry	---	---	---
				2/20/2007	15.66	---	---	98.72
				2/12/2013	9.43	---	---	104.95
				12/14/2017	9.41	---	---	104.97
				10/2/2018	9.71	---	---	104.67
				8/9/2021	9.82	---	---	104.56
				2/20/2023	9.38	---	---	105.00
				7/19/2023	9.76	---	---	104.62
MW-3	114.97	8 - 18	107.0 - 97.0	1/5/2007	9.79	---	---	105.18
				1/10/2007	12.11	---	---	102.86
				2/20/2007	10.55	---	---	104.42
				2/12/2013	9.48	---	---	105.49
				12/14/2017	9.78	---	---	105.19
				10/2/2018	10.83	---	---	104.14
				8/9/2021	10.34	---	---	104.63
				2/20/2023	9.22	---	---	105.75
				7/19/2023	10.10	---	---	104.87
MW-4	112.99	6.5 - 16.5	106.5 - 96.5	1/5/2007	7.26	---	---	105.73
				1/10/2007	7.25	---	---	105.74
				2/20/2007	7.39	---	---	105.60
				2/12/2013	7.44	---	---	105.55
				12/14/2017	7.87	---	---	105.12
				10/2/2018	8.48	---	---	104.51
				8/9/2021	NM	---	---	---
				2/22/2023	7.09	---	---	105.90
				7/19/2023	7.70	---	---	105.29
MW-5	114.85	9 - 13	105.9 - 101.9	1/5/2007	9.89	---	---	104.96
				1/10/2007	NM	---	---	---
				2/20/2007	NM	---	---	---
				2/12/2013	NM	---	---	---
				8/9/2021	NM	---	---	---
				2/20/2023	NM	---	---	---
				7/19/2023	NM	---	---	---
MW-6	115.15	9.5 - 14.5	105.7 - 100.7	1/5/2007	10.04	---	---	105.11
				1/10/2007	10.04	---	---	105.11
				2/20/2007	NM	---	---	---
				2/12/2013	10.51	---	---	104.64
				12/14/2017	10.77	---	---	104.38
				10/2/2018	11.20	---	---	103.95
				8/9/2021	10.82	---	---	104.33
				2/20/2023	9.80	---	---	105.35
				7/19/2023	10.47	---	---	104.68
MW-7	108.29	6.5 - 11.5	101.8 - 96.8	1/5/2007	1.10	---	---	107.19
				1/10/2007	0.98	---	---	107.31
				2/20/2007	1.09	---	---	107.20
				2/12/2013	1.07	---	---	107.22
				12/14/2017	1.46	---	---	106.83
				10/2/2018	2.21	---	---	106.08
				8/9/2021	1.70	---	---	106.59
				2/20/2023	0.78	---	---	107.51
				7/19/2023	1.42	---	---	106.87

Table 1
Groundwater Elevations
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Top of Casing Elevation (feet NAVD88)[1]	Screened Interval (feet)[2]	Screened Interval (feet NAVD88)[1]	Monitoring Date	Depth to Water (feet)[2]	Depth to LNAPL (feet)[2]	LNAPL Thickness (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-8	116.28	9.5 - 14.5	106.8 - 101.8	1/5/2007	10.01	---	---	106.27
				1/10/2007	10.41	---	---	105.87
				2/20/2007	10.46	---	---	105.82
				2/12/2013	10.21	---	---	106.07
				12/14/2017	10.56	---	---	105.72
				10/2/2018	11.26	---	---	105.02
				8/9/2021	10.94	---	---	105.34
				2/20/2023	10.32	---	---	105.96
				7/19/2023	10.66	---	---	105.62
MW-9	114.65	9 - 19	105.7 - 95.7	1/5/2007	9.36	---	---	105.29
				1/10/2007	9.25	---	---	105.40
				2/20/2007	9.75	---	---	104.90
				2/12/2013	9.51	---	---	105.14
				12/14/2017	9.89	---	---	104.76
				10/2/2018	10.42	---	---	104.23
				8/9/2021	9.90	---	---	104.80
				2/20/2023	8.91	---	---	105.74
				7/19/2023	9.50	---	---	105.15
MW-10	114.58	9 - 19	105.6 - 95.6	1/5/2007	8.58	NM	NM	106.00
				1/10/2007	8.65	NM	NM	105.93
				2/20/2007	9.35	Present	NM	105.23
				2/12/2013	9.74	NM	NM	104.84
				12/14/2017	9.94	9.52	0.42	104.64
				10/2/2018	10.54	10.33	0.21	104.04
				8/9/2021	10.28	Present	NM	104.40
				2/20/2023	10.32	Present	NM	104.26
				3/16/2023	9.85	Present	NM	104.73
				7/19/2023	9.88	9.06	0.82	104.70
MW-11	108.47	3 - 13	105.5 - 95.5	1/10/2007	0.48	---	---	107.99
				2/20/2007	0.51	---	---	107.96
				2/12/2013	0.53	---	---	107.94
				12/14/2017	0.81	---	---	107.66
				10/2/2018	1.16	---	---	107.31
				8/9/2021	0.83	---	---	107.64
				2/20/2023	0.60	---	---	107.87
				7/19/2023	0.67	---	---	107.80
MW-12	109.17	3 - 8	106.2 - 101.2	1/10/2007	1.61	---	---	107.56
				2/20/2007	1.96	---	---	107.21
				2/12/2013	1.96	---	---	107.21
				12/14/2017	2.38	---	---	106.79
				10/2/2018	3.11	---	---	106.06
				8/9/2021	2.58	---	---	106.59
				2/20/2023	1.81	---	---	107.36
				7/19/2023	2.26	---	---	106.91
MW-13	111.82	5 - 15	106.8 - 96.8	1/10/2007	6.22	---	---	105.60
				2/20/2007	6.44	---	---	105.38
				2/12/2013	6.49	---	---	105.33
				12/14/2017	7.11	---	---	104.71
				10/2/2018	7.59	---	---	104.23
				8/9/2021	6.97	---	---	104.85
				2/22/2023	4.26	---	---	107.56
				7/19/2023	6.09	---	---	105.73
MW-14	115.89	16 - 26	99.9 - 89.9	2/20/2007	9.20	---	---	106.69
				2/12/2013	9.16	---	---	106.73
				12/15/2017	9.56	---	---	106.33
				10/2/2018	10.22	---	---	105.67
				8/9/2021	9.78	---	---	106.11
				2/20/2023	8.96	---	---	106.93
				7/19/2023	NM	---	---	NM

Table 1
Groundwater Elevations
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Top of Casing Elevation (feet NAVD88)[1]	Screened Interval (feet)[2]	Screened Interval (feet NAVD88)[1]	Monitoring Date	Depth to Water (feet)[2]	Depth to LNAPL (feet)[2]	LNAPL Thickness (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-15	115.92	7 - 17	108.9 - 98.9	2/20/2007	9.69	---	---	106.23
				2/12/2013	9.47	---	---	106.45
				12/14/2017	9.91	---	---	106.01
				10/2/2018	10.73	---	---	105.19
				8/9/2021	10.33	---	---	105.59
				2/20/2023	9.81	---	---	106.11
				7/19/2023	10.35	---	---	105.57
MW-16	108.68	2 - 6	106.7 - 102.7	2/20/2007	1.65	---	---	107.03
				2/12/2013	1.65	---	---	107.03
				12/14/2017	2.05	---	---	106.63
				10/2/2018	2.70	---	---	105.98
				8/9/2021	2.19	---	---	106.49
				2/20/2023	1.36	---	---	107.32
				7/19/2023	1.86	---	---	106.82
MW-17	113.61	6 - 16	107.6 - 97.6	2/20/2007	8.62	---	---	104.99
				2/12/2013	8.63	---	---	104.98
				12/14/2017	8.92	---	---	104.69
				10/2/2018	9.38	---	---	104.23
				8/9/2021	9.03	---	---	104.58
				2/20/2023	8.02	---	---	105.59
				7/19/2023	8.67	---	---	104.94
MW-18	114.79	7 - 17	107.8 - 97.8	2/20/2007	10.38	---	---	104.41
				2/12/2013	10.47	---	---	104.32
				12/14/2017	10.67	---	---	104.12
				10/2/2018	11.18	---	---	103.61
				8/9/2021	10.72	---	---	104.18
				2/20/2023	9.07	---	---	105.72
				3/16/2023	9.77	---	---	105.02
				7/19/2023	10.32	---	---	104.47
MW-19	113.31	25 - 30	88.3 - 83.3	12/14/2017	8.43	---	---	104.88
				10/2/2018	8.94	---	---	104.37
				8/9/2021	8.61	---	---	104.70
				2/20/2023	7.72	---	---	105.59
				7/19/2023	8.28	---	---	105.03
MW-20	114.75	15 - 25	99.8 - 89.8	10/2/2018	8.83	---	---	105.92
				8/9/2021	9.07	---	---	105.68
				2/24/2023	8.72	---	---	106.03
				7/19/2023	9.17	---	---	105.58
MW-21	112.86	35 - 45	77.9 - 67.9	10/2/2018	8.52	---	---	104.34
				8/9/2021	8.01	---	---	104.85
				2/20/2023	7.29	---	---	105.57
				7/19/2023	8.15	---	---	104.71
MW-22	115.31	8-18	107.3 - 97.3	2/20/2023	9.46	---	---	105.85
				3/16/2023	9.45	---	---	105.86
				7/19/2023	9.90	---	---	105.41
MW-23	115.37	38-48	77.4 - 67.4	2/20/2023	42.23	---	---	73.14
				3/16/2023	30.50	---	---	84.87
				7/19/2023	10.34	---	---	105.03
MW-24	114.91	35-45	79.9 - 69.9	2/20/2023	13.37	---	---	101.54
				3/16/2023	9.14	---	---	105.77
				7/19/2023	9.61	---	---	105.30
MW-25	115.09	5-15	110.1 - 100.1	7/19/2023	10.16	---	---	104.93
MW-26	114.92	35-45	79.9 - 69.9	7/19/2023	10.11	---	---	104.81
MW-27	114.88	8-18	106.9 - 96.9	7/19/2023	10.29	---	---	104.59

Notes:

--- denotes LNAPL not present or groundwater elevation not calculated.

[1] In feet referenced to North American Vertical Datum of 1988 (NAVD88).

[2] In feet below top of well casing.

LNAPL = light non-aqueous phase liquid

NM = not measured

Table 2
Soil Analytical Results for Chlorinated VOCs
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Sampled By	Sample Identification	Sample Depth (feet bgs unless otherwise noted)	Zone	Sample Date	Analytical Results (milligrams per kilogram)[1]									
						PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	Chloroethane	1,1,2-Trichloroethane
GP-1	Kleinfelder	GP1-4@13'	13	Vadose	6/8/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
GP-2	Kleinfelder	GP2-3a	10	Vadose	6/8/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
GP-3	Kleinfelder	GP3-3a	10	Vadose	8/2/2006	< 0.02	< 0.02	< 0.05	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	< 0.05	---
GP-4	Kleinfelder	GP4-3a	8.0 feet bbf	Vadose	8/2/2006	< 0.02	**0.24**	**0.14**	< 0.05	**0.30**	< 0.05	< 0.05	< 0.05	< 0.05	---
GP-5	Kleinfelder	GP5-3a	10	Vadose	8/2/2006	< 0.02	< 0.02	< 0.05	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05	< 0.05	---
GLP-05	G-Logics	GLP-05-05	5.0	Vadose	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-08	G-Logics	GLP-08-7	7.0 feet bbf	Saturated	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-09	G-Logics	GLP-09-2	2.0 feet bbf	Vadose	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-09-8	8.0 feet bbf	Vadose	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-09-12	12.0 feet bbf	Saturated	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-10	G-Logics	GLP-10-3	3.0 feet bbf	Vadose	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-10-7	7.0 feet bbf	Saturated	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-10-9	9.0 feet bbf	Saturated	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-11	G-Logics	GLP-11-3	3.0 feet bbf	Vadose	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-12	G-Logics	GLP-12-6	6.0	Vadose	1/5/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-13	G-Logics	GLP-13-4	4.0 feet bbf	Vadose	2/16/2007	< 0.02	< 0.03	0.054	< 0.02	**0.77**	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-13-8	8.0 feet bbf	Vadose	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	**0.036**	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-13-12	12.0 feet bbf	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	**0.087**	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-13-12 DUP	12.0 feet bbf	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	**0.092**	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-14	G-Logics	GLP-14-13	13.0	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-14-24	24.0	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-15	G-Logics	GLP-15-13	13.0	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-15-15	15.0	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-16	G-Logics	GLP-16-4	4.0 feet bbf	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-16-6	6.0 feet bbf	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
GLP-17	G-Logics	GLP-17-11	11.0	Vadose	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-17-15	15.0	Saturated	2/16/2007	< 0.02	< 0.03	**0.027**	**0.039**	**0.041**	< 0.05	< 0.03	< 0.02	< 0.06	---
MTCA Method A Cleanup Level[2]						**0.05**	**0.03**	**160[3]**	**1,600[3]**	**0.67[3]**	**4,000[3]**	**11[3]**	**27.0[3]**	**NE**	**18[3]**
MTCA Method B Cleanup Levels for Soil Protective of Groundwater Vadose @ 13 Degrees Celsius[4]						---	---	**0.079**	**0.52**	**0.0017**	**0.046**	**0.023**	**0.025**	**NE**	**0.017**
MTCA Method B Cleanup Levels for Soil Protective of Groundwater Saturated[4]						---	---	**0.0052**	**0.032**	**0.00009**	**0.0025**	**0.0016**	**0.0017**	**NE**	**0.0011**

Table 2
Soil Analytical Results for Chlorinated VOCs
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Sampled By	Sample Identification	Sample Depth (feet bgs unless otherwise noted)	Zone	Sample Date	Analytical Results (milligrams per kilogram)[1]									
						PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	Chloroethane	1,1,2-Trichloroethane
GLP-18	G-Logics	GLP-18-10	10.0	Vadose	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
	G-Logics	GLP-18-15	15.0	Saturated	2/16/2007	< 0.02	< 0.03	< 0.02	< 0.02	< 0.03	< 0.05	< 0.03	< 0.02	< 0.06	---
MW-19	Farallon	MW-19-10.0	10.0	Vadose	12/11/2017	< 0.0024	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0078	< 0.0012
	Farallon	MW-19-15.0	15.0	Saturated	12/11/2017	< 0.0033	**0.18**	**0.016**	0.0043	**0.017**	< 0.0017	< 0.0017	< 0.0017	< 0.011	< 0.0017
	Farallon	MW-19-22.5	22.5	Saturated	12/12/2017	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0080	< 0.0013
	Farallon	MW-19-30.0	30.0	Saturated	12/12/2017	< 0.0025	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0080	< 0.0012
MW-20	Farallon	FB-20-10.0	10.0	Vadose	4/13/2018	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0084	< 0.0013
	Farallon	FB-20-13.0	13.0	Vadose	4/13/2018	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0085	< 0.0013
	Farallon	MW-20-15.0	15.0	Vadose	5/8/2018	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0060	< 0.0012
	Farallon	MW-20-20.0	20.0	Saturated	5/8/2018	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0054	< 0.0011
MW-21	Farallon	MW-21-30	30.0	Saturated	8/28/2018	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0078	< 0.0016
	Farallon	MW-21-35	35.0	Saturated	8/28/2018	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0085	< 0.0017
	Farallon	MW-21-40	40.0	Saturated	8/28/2018	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0067	< 0.0013
	Farallon	MW-21-45	45.0	Saturated	8/28/2018	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0078	< 0.0016
MW-23	Farallon	MW-23-10.0	10.0	Saturated	2/14/2023	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0064	< 0.0013
	Farallon	MW-23-15.0	15.0	Saturated	2/14/2023	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0064	< 0.0013
	Farallon	MW-23-20.0	20.0	Saturated	2/14/2023	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0078	< 0.0016
	Farallon	MW-23-30.0	30.0	Saturated	2/14/2023	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0081	< 0.0016
	Farallon	MW-23-45.0	45.0	Saturated	2/15/2023	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0077	< 0.0015
	Farallon	MW-23-50.0	50.0	Saturated	2/15/2023	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0063	< 0.0013
MW-24	Farallon	FB-30-40.0	40.0	Saturated	2/16/2023	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0059	< 0.0012
	Farallon	FB-30-45.0	45.0	Saturated	2/16/2023	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0051	< 0.0010
MW-26	Farallon	MW-26-10.0	10.0	Vadose	7/18/2023	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.0049	< 0.00097
	Farallon	MW-26-15.0	15.0	Saturated	7/18/2023	< 0.0012	0.014	**0.015**	0.0017	**0.014**	< 0.0012	< 0.0012	< 0.0012	< 0.0058	< 0.0012
	Farallon	MW-26-25.0	25.0	Saturated	7/18/2023	< 0.00099	< 0.00099	0.0015	< 0.00099	**0.0014**	< 0.00099	< 0.00099	< 0.00099	< 0.0050	< 0.00099
	Farallon	MW-26-35.0	35.0	Saturated	7/18/2023	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0054	< 0.0011
	Farallon	MW-26-45.0	45.0	Saturated	7/18/2023	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.0044	< 0.00088
FB-22	Farallon	FB-22-10	10.0	Vadose	8/29/2018	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.0021	< 0.011	< 0.0021
	Farallon	FB-22-15	15.0	Saturated	8/29/2018	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0068	< 0.0014
	Farallon	FB-22-20	20.0	Saturated	8/29/2018	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0063	< 0.0013
MTCA Method A Cleanup Level[2]						**0.05**	**0.03**	**160[3]**	**1,600[3]**	**0.67[3]**	**4,000[3]**	**11[3]**	**27.0[3]**	**NE**	**18[3]**
MTCA Method B Cleanup Levels for Soil Protective of Groundwater Vadose @ 13 Degrees Celsius[4]						---	---	**0.079**	**0.52**	**0.0017**	**0.046**	**0.023**	**0.025**	**NE**	**0.017**
MTCA Method B Cleanup Levels for Soil Protective of Groundwater Saturated[4]						---	---	**0.0052**	**0.032**	**0.00009**	**0.0025**	**0.0016**	**0.0017**	**NE**	**0.0011**

Table 2
Soil Analytical Results for Chlorinated VOCs
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Sampled By	Sample Identification	Sample Depth (feet bgs unless otherwise noted)	Zone	Sample Date	Analytical Results (milligrams per kilogram)[1]									
						PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	Chloroethane	1,1,2-Trichloroethane
FB-23	Farallon	FB-23-10	10.0	Vadose	8/29/2018	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0059	< 0.0012
	Farallon	FB-23-13	13.0	Vadose	8/29/2018	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0067	< 0.0013
	Farallon	FB-23-17	17.0	Vadose	8/29/2018	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0063	< 0.0013
	Farallon	FB-23-20	20.0	Saturated	8/29/2018	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0066	< 0.0013
FB-24	Farallon	FB-24-6.0	6.0	Saturated	4/13/2021	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.010	< 0.0020
	Farallon	FB-24-10.0	10.0	Saturated	4/13/2021	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0053	< 0.0011
FB-25	Farallon	FB-25-2.0	2.0	Vadose	4/13/2021	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0094	< 0.0019
	Farallon	FB-25-6.0	6.0	Saturated	4/13/2021	< 0.0016	< 0.0016	< 0.0016	< 0.0016	**0.0019**	< 0.0016	< 0.0016	< 0.0016	< 0.0078	< 0.0016
	Farallon	FB-25-10.0	10.0	Saturated	4/13/2021	< 0.0011	0.023	**0.0074**	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0056	< 0.0011
FB-26	Farallon	FB-26-6.0	6.0	Saturated	4/13/2021	< 0.0017	< 0.0017	< 0.0017	< 0.0017	**0.0035**	< 0.0017	< 0.0017	< 0.0017	< 0.0086	< 0.0017
	Farallon	FB-26-10.0	10.0	Saturated	4/13/2021	< 0.0018	**0.88**	**0.042**	< 0.0018	**0.012**	< 0.0018	**0.0025**	**0.0029**	< 0.0092	< 0.0018
	Farallon	FB-26-14.0	14.0	Saturated	4/13/2021	---	< 0.0011	---	---	---	---	---	---	---	---
FB-27	Farallon	FB-27-10.0	10.0	Saturated	4/13/2021	---	< 0.0013	---	---	---	---	---	---	---	---
	Farallon	FB-27-14.0	14.0	Saturated	4/13/2021	---	< 0.0012	---	---	---	---	---	---	---	---
FB-28	Farallon	FB-28-2.0	2.0	Vadose	4/14/2021	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0015	< 0.0075	< 0.0015
	Farallon	FB-28-6.0	6.0	Saturated	4/14/2021	< 0.0013	**0.034**	**0.039**	0.0080	**0.0066**	< 0.0013	< 0.0013	< 0.0013	< 0.0064	< 0.0013
FB-30	Farallon	FB-30-12.5	12.5	Saturated	2/14/2023	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0056	< 0.0011
FB-32	Farallon	FB-32-5.0	5.0	Vadose	7/13/2023	---	---	---	---	---	---	< 0.0022 J	---	---	< 0.0022 J
	Farallon	FB-32-10.0	10.0	Vadose	7/13/2023	---	---	---	---	---	---	< 0.013 J	---	---	< 0.013 J
	Farallon	FB-32-15.0	15.0	Saturated	7/13/2023	---	---	---	---	---	---	< 0.011 J	---	---	< 0.011 J
MTCA Method A Cleanup Level[2]						**0.05**	**0.03**	**160[3]**	**1,600[3]**	**0.67[3]**	**4,000[3]**	**11[3]**	**27.0[3]**	**NE**	**18[3]**
MTCA Method B Cleanup Levels for Soil Protective of Groundwater Vadose @ 13 Degrees Celsius[4]						---	---	**0.079**	**0.52**	**0.0017**	**0.046**	**0.023**	**0.025**	**NE**	**0.017**
MTCA Method B Cleanup Levels for Soil Protective of Groundwater Saturated[4]						---	---	**0.0052**	**0.032**	**0.00009**	**0.0025**	**0.0016**	**0.0017**	**NE**	**0.0011**

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding MTCA cleanup levels. Green highlight indicates new 2023 analytical results.
< denotes concentration not detected at or exceeding the laboratory method reporting limit listed.
--- denotes sample not analyzed or not applicable.

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

[2]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.

[3]MTCA Method A cleanup level not established; the listed value is the Washington State Cleanup Levels and Risk Calculations (CLARC) MTCA Method B Standard Formula Value for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only), lowest of cancer or non-cancer values, from CLARC Master Spreadsheet dated January 2023, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

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

bbf = below basement floor
bgs = below ground surface
Farallon = Farallon Consulting, L.L.C.
G-Logics = G-Logics, Inc.
Kleinfelder = Kleinfelder, Inc.
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
ND = analyte not detected; laboratory method reporting limit unknown
NE = not established
PCE = tetrachloroethene
TCE = trichloroethene
VOC = volatile organic compound
TCE = trichloroethene

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and Lead
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Sampled By	Sample Identification	Sample Depth (feet bgs unless otherwise noted)	Sample Date	Analytical Results (milligrams per kilogram)										
					NWTPH-Dx					NWTPH-Gx	EPA Method 8021 or 8260				EPA 7000 Series Method
					Diesel	Mineral Oil	DRO	ORO	DRO+ORO (C10-C36)^	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
GP-1	Kleinfelder	GP1-4@13'	13	6/8/2006	< 20	< 40	---	< 40[1]	< 30	< 10	< 0.02	< 0.05	< 0.05	< 0.05	< 5
GP-2	Kleinfelder	GP2-3a	8.0	6/8/2006	---	---	---	---	---	---	< 0.02	< 0.05	< 0.05	< 0.05	---
GP-3	Kleinfelder	GP3-3a	10	8/2/2006	< 20	< 40	---	< 40[1]	< 30	**530**	**0.15**	< 0.05	1.1	1.3	5.6
GP-4	Kleinfelder	GP4-3a	8.0 feet bbf	8/2/2006	< 20	< 40	---	< 40[1]	< 30	< 10	< 0.02	< 0.05	< 0.05	< 0.05	5.6
GP-5	Kleinfelder	GP5-3a	10	8/2/2006	< 20	< 40	---	< 40[1]	< 30	< 10	< 0.02	< 0.05	< 0.05	< 0.05	< 5
GLP-01	G-Logics	GLP-01-8.5	8.5	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
	G-Logics	GLP-01-10	10.0	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
GLP-02	G-Logics	GLP-02-09	9.0	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
GLP-03	G-Logics	GLP-03-03	3.0	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
	G-Logics	GLP-03-14	14.0	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
GLP-04	G-Logics	GLP-04-14	14.0	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
GLP-05	G-Logics	GLP-05-05	5.0	1/5/2007	< 25	---	**3,300[3]**	**6,800[1]**	**10,100**	**4,460[2]**	**1.15**	0.094	1.68	3.40	---
	G-Logics	GLP-05-05 DUP	5.0	1/5/2007	< 25	---	**3,630[3]**	**7,810[1]**	**11,440**	---	---	---	---	---	---
	G-Logics	GLP-05-11.5	11.5	1/5/2007	< 25	---	**3,520[3]**	**3,480[1]**	**7,000**	**4,800[2]**	< 0.02	< 0.10	0.90	1.85	---
	G-Logics	GLP-05-18	18.0	1/5/2007	< 25	---	785[3]	1,650[1]	**2,435**	**890[2]**	< 0.02	< 0.10	< 0.05	0.83	---
GLP-06	G-Logics	GLP-06-11	11.0	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 40	28[2]	< 0.02	< 0.10	0.11	0.23	---
	G-Logics	GLP-06-17	17.0	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
	G-Logics	GLP-06-18	18.0	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
	G-Logics	GLP-06-18 DUP	18.0	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
GLP-08	G-Logics	GLP-08-7	7.0 feet bbf	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-08-12	12.0 feet bbf	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 40	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
	G-Logics	GLP-08-12 DUP	12.0 feet bbf	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 40	---	---	---	---	---	---
GLP-09	G-Logics	GLP-09-2	2.0 feet bbf	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 40	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-09-8	8.0 feet bbf	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-09-12	12.0 feet bbf	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-09-12 DUP	12.0 feet bbf	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
GLP-10	G-Logics	GLP-10-3	3.0 feet bbf	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 40	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-10-7	7.0 feet bbf	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-10-9	9.0 feet bbf	1/5/2007	---	---	---	---	---	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
MTCA Method A Cleanup Level[4]					**2,000**	**4,000**	**2,000**	**2,000[5]**	**2,000**	**30/100[6]**	**0.03**	**7**	**6**	**9**	**250**

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and Lead
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Sampled By	Sample Identification	Sample Depth (feet bgs unless otherwise noted)	Sample Date	Analytical Results (milligrams per kilogram)										
					NWTPH-Dx					NWTPH-Gx	EPA Method 8021 or 8260				EPA 7000 Series Method
					Diesel	Mineral Oil	DRO	ORO	DRO+ORO (C10-C36)^	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
GLP-11	G-Logics	GLP-11-3	3.0 feet bbf	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 40	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
GLP-12	G-Logics	GLP-12-6	6.0	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 40	< 10[2]	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-12-6 DUP	6.0	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 40	< 10[2]	< 0.02	< 0.10	< 0.05	< 0.15	---
GLP-13	G-Logics	GLP-13-4	4.0 feet bbf	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	---	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-13-8	8.0 feet bbf	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	---	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-13-12	12.0 feet bbf	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	---	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-13-12 DUP	12.0 feet bbf	2/16/2007	---	---	---	---	---	---	< 0.02	< 0.02	< 0.03	< 0.03	---
GLP-14	G-Logics	GLP-14-13	13.0	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	---	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-14-24	24.0	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	---	< 0.02	< 0.02	< 0.03	< 0.03	---
GLP-15	G-Logics	GLP-15-13	13.0	2/16/2007	---	---	---	---	---	---	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-15-15	15.0	2/16/2007	---	---	---	---	---	---	< 0.02	< 0.02	< 0.03	< 0.03	---
GLP-16	G-Logics	GLP-16-4	4.0 feet bbf	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	---	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-16-6	6.0 feet bbf	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	---	< 0.02	< 0.02	< 0.03	< 0.03	---
GLP-17	G-Logics	GLP-17-11	11.0	2/16/2007	---	---	---	---	---	---	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-17-15	15.0	2/16/2007	---	---	---	---	---	---	< 0.02	< 0.02	< 0.03	< 0.03	---
GLP-18	G-Logics	GLP-18-10	10.0	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	**63**	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-18-15	15.0	2/16/2007	< 25	---	< 40[3]	< 40[1]	< 40	**86**	< 0.02	< 0.02	< 0.03	< 0.03	---
MW-19	Farallon	MW-19-10.0	10.0	12/11/2017	---	---	36	< 63	67.5	< 7.3	< 0.020	< 0.073	< 0.073	< 0.146	---
	Farallon	MW-19-15.0	15.0	12/11/2017	---	---	< 33	< 66	< 49.5	< 8.7	< 0.020	< 0.087	< 0.087	< 0.174	---
	Farallon	MW-19-22.5	22.5	12/12/2017	---	---	< 34	< 67	< 50.5	< 8.6	< 0.020	< 0.086	< 0.086	< 0.172	---
	Farallon	MW-19-30.0	30.0	12/12/2017	---	---	< 33	< 66	< 49.5	< 7.6	< 0.020	< 0.076	< 0.076	< 0.152	---
MW-20	Farallon	FB-20-10.0	10.0	4/13/2018	---	---	< 31	< 63	< 47	< 7.7	< 0.020	< 0.077	< 0.077	< 0.154	---
	Farallon	FB-20-13.0	13.0	4/13/2018	---	---	< 32	63	79	< 7.8	< 0.020	< 0.078	< 0.078	< 0.156	---
	Farallon	MW-20-15.0	15.0	5/8/2018	---	---	< 32	< 64	< 48	< 6.9	< 0.0012	< 0.0060	< 0.0012	< 0.0072	---
	Farallon	MW-20-20.0	20.0	5/8/2018	---	---	< 33	< 66	< 49.5	< 6.9	< 0.0011	< 0.0054	< 0.0011	< 0.0065	---
MW-21	Farallon	MW-21-30	30.0	8/28/2018	---	---	< 32	< 64	< 48	< 8.2	< 0.0016	< 0.0078	< 0.0016	< 0.0094	---
	Farallon	MW-21-35	35.0	8/28/2018	---	---	< 31	< 62	< 46.5	< 8.1	< 0.0017	< 0.0085	< 0.0017	< 0.0102	---
	Farallon	MW-21-40	40.0	8/28/2018	---	---	< 31	< 62	< 46.5	< 6.5	< 0.0013	< 0.0067	< 0.0013	< 0.0080	---
	Farallon	MW-21-45	45.0	8/28/2018	---	---	< 33	< 65	< 49	< 7.3	< 0.0016	< 0.0078	< 0.0016	< 0.0094	---
MTCA Method A Cleanup Level[4]					**2,000**	**4,000**	**2,000**	**2,000[5]**	**2,000**	**30/100[6]**	**0.03**	**7**	**6**	**9**	**250**

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and Lead
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Sampled By	Sample Identification	Sample Depth (feet bgs unless otherwise noted)	Sample Date	Analytical Results (milligrams per kilogram)										
					NWTPH-Dx					NWTPH-Gx	EPA Method 8021 or 8260				EPA 7000 Series Method
					Diesel	Mineral Oil	DRO	ORO	DRO+ORO (C10-C36)^	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
MW-23	Farallon	MW-23-10.0	10.0	2/14/2023	---	---	< 35	< 69	< 52	< 8.2	< 0.020	< 0.082	< 0.082	< 0.164	---
	Farallon	MW-23-15.0	15.0	2/14/2023	---	---	< 32	< 64	< 48	< 7.0	< 0.020	< 0.070	< 0.070	< 0.140	---
	Farallon	MW-23-20.0	20.0	2/14/2023	---	---	< 33	< 66	< 49.5	< 9.0	< 0.020	< 0.090	< 0.090	< 0.180	---
	Farallon	MW-23-30.0	30.0	2/14/2023	---	---	< 31	< 63	< 47	< 7.7	< 0.020	< 0.077	< 0.077	< 0.154	---
	Farallon	MW-23-45.0	45.0	2/15/2023	---	---	< 31	< 62	< 46.5	< 7.5	< 0.020	< 0.075	< 0.075	< 0.150	---
	Farallon	MW-23-50.0	50.0	2/15/2023	---	---	< 32	< 63	< 47.5	< 6.8	< 0.020	< 0.068	< 0.068	< 0.136	---
MW-24	Farallon	FB-30-40.0	40.0	2/16/2023	---	---	< 28	< 56	< 42	< 5.9	< 0.020	< 0.059	< 0.059	< 0.118	---
	Farallon	FB-30-45.0	45.0	2/16/2023	---	---	< 29	< 57	< 43	< 5.5	< 0.020	< 0.055	< 0.055	< 0.11	---
MW-25	Farallon	MW-25-5.0	5.0	7/14/2023	---	---	< 34 < 34 SG	< 68 < 68 SG	< 68 < 68 SG	< 6.2	< 0.020	< 0.062	< 0.062	< 0.124	---
	Farallon	MW-25-10.0	10.0	7/14/2023	---	---	< 31 < 31 SG	< 62 < 62 SG	< 62 < 62 SG	**440**	< 0.020	< 0.071	< 0.071	0.26	---
	Farallon	MW-25-15.0	15.0	7/14/2023	---	---	< 32 < 32 SG	< 63 < 63 SG	< 63 < 63 SG	< 7.4	< 0.020	< 0.074	< 0.074	< 0.148	---
	Farallon	MW-25-17.0	17.0	7/14/2023	---	---	< 31 < 31 SG	< 62 < 62 SG	< 62 < 62 SG	< 7.7	< 0.020	< 0.077	< 0.077	< 0.154	---
FB-22	Farallon	FB-22-10	10.0	8/29/2018	---	---	< 42	< 84	< 63	< 12	< 0.0021	< 0.011	< 0.0021	< 0.0131	---
	Farallon	FB-22-15	15.0	8/29/2018	---	---	< 33	< 66	< 49.5	< 7.9	< 0.0014	< 0.0068	< 0.0014	< 0.0082	---
	Farallon	FB-22-20	20.0	8/29/2018	---	---	< 29	< 59	< 44	< 6.1	< 0.0013	< 0.0063	< 0.0013	< 0.0076	---
FB-23	Farallon	FB-23-10	10.0	8/29/2018	---	---	320	< 70	355	< 18	< 0.0012	< 0.0059	< 0.0012	< 0.0071	---
	Farallon	FB-23-13	13.0	8/29/2018	---	---	430	< 68	464	**1,400**	< 0.0013	< 0.0067	< 0.0013	< 0.0080	---
	Farallon	FB-23-17	17.0	8/29/2018	---	---	< 33	< 65	< 49	< 8.2	< 0.0013	< 0.0063	< 0.0013	< 0.0076	---
	Farallon	FB-23-20	20.0	8/29/2018	---	---	< 31	< 61	< 46	< 7.6	< 0.0013	< 0.0066	< 0.0013	< 0.0079	---
FB-30	Farallon	FB-30-5.0	5.0	2/14/2023	---	---	520 N	**5,400**	**5,920**	**150**	< 0.020	< 0.081	< 0.081	0.15	---
	Farallon	FB-30-10.0	10.0	2/14/2023	---	---	820 N	**6,300**	**7,120**	**390**	< 0.020	< 0.076	0.12	0.21	---
	Farallon	FB-30-19.0	19.0	2/14/2023	---	---	< 32	< 65	< 48.5	< 7.1	< 0.020	< 0.071	< 0.071	< 0.142	---
FB-32	Farallon	FB-32-10.0	10.0	7/13/2023	---	---	---	---	---	**160**	**0.16**	2.1	1.2	5.6	---
FB-33	Farallon	FB-33-10.0	10.0	7/13/2023	---	---	---	---	---	**480**	< 0.020	< 0.062	0.092	0.29	---
FB-34	Farallon	FB-34-10.0	10.0	7/13/2023	---	---	---	---	---	< 7.3	< 0.020	< 0.073	< 0.073	< 0.146	---
FB-35	Farallon	FB-35-10.0	10.0	7/14/2023	---	---	< 31 < 31 SG	< 61 < 61 SG	< 61 < 61 SG	< 6.6	< 0.020	< 0.066	< 0.066	< 0.132	---
	Farallon	FB-35-11.5	11.5	7/14/2023	---	---	< 32 < 32 SG	< 64 < 64 SG	< 64 < 64 SG	< 7.8	< 0.020	< 0.078	< 0.078	< 0.156	---
MTCA Method A Cleanup Level[4]					**2,000**	**4,000**	**2,000**	**2,000[5]**	**2,000**	**30/100[6]**	**0.03**	**7**	**6**	**9**	**250**

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and Lead
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Location	Sampled By	Sample Identification	Sample Depth (feet bgs unless otherwise noted)	Sample Date	Analytical Results (milligrams per kilogram)										
					NWTPH-Dx					NWTPH-Gx	EPA Method 8021 or 8260				EPA 7000 Series Method
					Diesel	Mineral Oil	DRO	ORO	DRO+ORO (C10-C36)^	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
FB-36	Farallon	FB-36-10.0	10.0	7/13/2023	---	---	< 33 < 33 SG	< 67 < 67 SG	< 67 < 67 SG	< 7.1	< 0.020	< 0.071	< 0.071	< 0.142	---
	Farallon	FB-36-13.0	13.0	7/13/2023	---	---	< 39 < 39 SG	< 79 < 79 SG	< 79 < 79 SG	< 10	< 0.021	< 0.10	< 0.10	< 0.20	---
	Farallon	FB-36-18.0	18.0	7/13/2023	---	---	< 33 < 33 SG	< 67 < 67 SG	< 67 < 67 SG	< 7.8	< 0.020	< 0.078	< 0.078	< 0.156	---
MTCA Method A Cleanup Level[4]					**2,000**	**4,000**	**2,000**	**2,000[5]**	**2,000**	**30/100[6]**	**0.03**	**7**	**6**	**9**	**250**

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding MTCA cleanup levels. Green highlight indicates new 2023 analytical results.

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

— denotes constituent not analyzed.

^ Results are DRO+ORO calculations. A value of half the detection limit was used for non-detect values. Beginning in July 2023, results were quantified by the laboratory as hydrocarbon range of C10 to C36 (diesel and oil ranges).

* denotes sample extract treated with a silica gel cleanup procedure prior to analysis

[1]Quantified as "oil."

[2]Quantified as "mineral spirits."

[3]Quantified as "kerosene."

[4]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.

[5]Cleanup level for total petroleum hydrocarbons as heavy oil-orange organics.

[6]Cleanup level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

bbf = below basement floor

bgs = below ground surface

DRO = total petroleum hydrocarbons as diesel-range organics

EPA = U.S. Environmental Protection Agency

Farallon = Farallon Consulting, L.L.C.

G-Logics = G-Logics, Inc.

GRO = total petroleum hydrocarbons as gasoline-range organics

Kleinfelder = Kleinfelder, Inc.

MTCA = Washington State Model Toxics Control Act Cleanup Regulation

N = hydrocarbons in the oil-range are impacting the diesel result

ND = analyte not detected; laboratory method reporting limit unknown

NWTPH-Dx = Northwest Method NWTPH-Dx

NWTPH-Gx = Northwest Method NWTPH-Gx

ORO = total petroleum hydrocarbons as oil-range organics

SG = result for sample analyzed with silica gel cleanup procedure

Table 4
Groundwater Analytical Results for Chlorinated VOCs
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
				PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethane	Vinyl Chloride	Chloroethane	1,2-Dichloropropane	1,1,2-Trichloroethane
Reconnaissance Groundwater Samples													
GLP-07	G-Logics	1/8/2007	GLP-07-010807	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
FB-22	Farallon	8/29/2018	FB-22-GW	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	**0.84**	< 1.0	< 0.20	< 0.20
FB-23	Farallon	8/29/2018	FB-23-GW	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
FB-30	Farallon	2/14/2023	FB-30-15.0-GW-021423	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	2/16/2023	FB-30-30.0-GW-021623	< 0.20 J	< 0.20 J	< 0.20 J	< 0.20 J	< 0.20 J	< 0.20 J	< 0.20 J	< 1.0 J	< 0.20 J	< 0.20
FB-31	Farallon	7/13/2023	FB-31-RGW	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
FB-32	Farallon	7/13/2023	FB-32-RGW	< 10	< 10	< 10	< 10	< 10	**820**	< 10	< 50	< 10	**39**
FB-34	Farallon	7/14/2023	FB-34-RGW	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
Monitoring Well Groundwater Samples													
MW-1	Kleinfelder	5/30/2006	MW-1-053006	ND	ND	ND	ND	ND	ND	ND	ND	ND	---
	G-Logics	1/8/2007	MW-1-010807	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-1-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	< 1	---
	RGI	2/12/2013	MW-100-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	< 1	---
MW-2	G-Logics	1/8/2007	MW-2-010807	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-2-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	< 1	---
	Farallon	12/15/2017	MW-2-121517	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/2/2018	MW-2-100218	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/10/2021	MW-2-081021	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-3	Kleinfelder	8/4/2006	MW-3-080406	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**0.72**	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-3-010807	< 1.0	< 1.0	3.3	< 1.0	< 2.0	< 1.0	**0.46**	11.2	< 1.0	---
	RGI	2/12/2013	MW-3-021213	< 1	< 1	1.4	< 1	< 1	< 1	< 0.2	< 1	---	---
	Farallon	12/15/2017	MW-3-121517	< 0.20	< 0.20	0.48	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/2/2018	MW-3-100218	< 0.20	< 0.20	1.2	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/9/2021	MW-3-080921	< 0.20	< 0.20	0.51	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-4	Kleinfelder	5/30/2006	MW-4-053006	ND	ND	ND	ND	ND	ND	**2.1**	ND	ND	---
	Kleinfelder	6/9/2006	MW-4-061406	ND	1.8	2.7	ND	ND	ND	**16**	ND	ND	---
	G-Logics	1/8/2007	MW-4-010807	< 1.0	< 1.0	0.79 J	< 1.0	< 2.0	< 1.0	**4.0**	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-4-021213	< 1	< 1	1.3	< 1	< 1	< 1	**7.0**	< 1	---	---
	Farallon	12/14/2017	MW-4-121417	< 0.20	0.31	0.71	< 0.20	< 0.20	< 0.20	**1.5**	< 1.0	< 0.20	< 0.20
	Farallon	10/2/2018	MW-4-100218	< 0.20	0.24	0.71	< 0.20	< 0.20	< 0.20	**1.5**	< 1.0	< 0.20	< 0.20
MW-5	Kleinfelder	6/9/2006	MW-5-061406	ND	2.2	13	ND	ND	ND	**24**	12	ND	---
MTCA Method A Cleanup Level[2]				**5**	**5**	**16[3]**	**160[3]**	**400[3]**	**5**	**0.2**	**NE**	**1.22[3]**	**0.77[3]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**	**5.1**

Table 4
Groundwater Analytical Results for Chlorinated VOCs
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
				PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethane	Vinyl Chloride	Chloroethane	1,2-Dichloropropane	1,1,2-Trichloroethane
MW-6	Kleinfelder	8/4/2006	MW-6-080406	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-6-010807	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-6-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	< 1	---
	Farallon	12/15/2017	MW-6-121517	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/2/2018	MW-6-100218	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/10/2021	MW-6-081021	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-7	Kleinfelder	8/4/2006	MW-7-080406	< 1.0	**51**	**160**	< 1.0	2.5	**11**	**260**	< 1.0	**3.4**	**---**
	G-Logics	1/8/2007	MW-7-010807	< 1.0	**16**	**173**	2.6	6.1	**8.2**	**593**	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-7-021213	< 1	**25**	**220**	3.7	3.5	**6.1**	**290**	< 1	< 1	---
	Farallon	12/14/2017	MW-7-121417	< 1.0	**24**	**140**	3.7	2.9	**5.1**	**150**	< 5.0	**2.4**	< 1.0
	Farallon	12/14/2017	DUP-1-121417	< 1.0	**24**	**140**	3.5	2.7	5.0	**140**	< 5.0	**2.3**	< 1.0
	Farallon	10/3/2018	MW-7-100318	< 2.0	**50**	**210**	5.0	4.2	**6.9**	**250**	< 10	**3.9**	< 2.0
	Farallon	8/9/2021	MW-7-080921	< 0.80	**34**	**120**	2.6	2.5	4.2	**150**	< 4.0	**2.4**	< 0.80
MW-8	Kleinfelder	8/4/2006	MW-8-080406	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.2	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-8-010807	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-8-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	---	---
	Farallon	12/15/2017	MW-8-121517	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/3/2018	MW-8-100318	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/10/2021	MW-8-081021	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-9	G-Logics	1/8/2007	MW-9-010807	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-9-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	< 1	---
	Farallon	12/15/2017	MW-9-121517	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/3/2018	MW-9-100318	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/10/2021	MW-9-081021	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-10	G-Logics	1/8/2007	MW-10-010807	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-10-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	< 1	---
MTCA Method A Cleanup Level[2]				**5**	**5**	**16[3]**	**160[3]**	**400[3]**	**5**	**0.2**	**NE**	**1.22[3]**	**0.77[3]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**	**5.1**

Table 4
Groundwater Analytical Results for Chlorinated VOCs
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
				PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethane	Vinyl Chloride	Chloroethane	1,2-Dichloropropane	1,1,2-Trichloroethane
MW-11	G-Logics	1/8/2007	MW-11-010807	< 1.0	0.9	1.2	< 1.0	< 2.0	< 1.0	**1.4**	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-11-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	---	---
	Farallon	12/14/2017	MW-11-121417	< 0.20	< 0.20	0.73	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/3/2018	MW-11-100318	< 0.20	< 0.20	1.0	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/9/2021	MW-11-080921	< 0.20	< 0.20	0.62	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-12	G-Logics	1/8/2007	MW-12-010807	< 1.0	**12.2**	6.2	< 1.0	< 2.0	< 1.0	**1.2**	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-12-021213	< 1	**8.3**	6.7	< 1	< 1	< 1	**0.26**	< 1	---	---
	Farallon	12/14/2017	MW-12-121417	< 0.20	**23**	**29**	2.7	0.72	0.57	**11**	< 1.0	0.52	< 0.20
	Farallon	10/3/2018	MW-12-100318	< 0.40	**38**	**46**	4.5	1.1	0.80	**13**	< 2.0	0.79	< 0.40
	Farallon	8/9/2021	MW-12-080921	< 0.40	**47**	**57**	4.7	1.2	0.91	**20**	< 2.0	0.75	< 0.40
MW-13	G-Logics	1/8/2007	MW-13-010807	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-13-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	---	---
	Farallon	12/14/2017	MW-13-121417	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/2/2018	MW-13-100218	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/9/2021	MW-13-080921	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-14	G-Logics	2/16/2007	MW-14-021607	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-14-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	---	---
	Farallon	12/15/2017	MW-14-121517	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/3/2018	MW-14-100318	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/10/2021	MW-14-081021	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-15	G-Logics	2/16/2007	MW-15-021607	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-15-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	---	---
	Farallon	12/14/2017	MW-15-121417	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/3/2018	MW-15-100318	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/9/2021	MW-15-080921	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MTCA Method A Cleanup Level[2]				**5**	**5**	**16[3]**	**160[3]**	**400[3]**	**5**	**0.2**	**NE**	**1.22[3]**	**0.77[3]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**	**5.1**

Table 4
Groundwater Analytical Results for Chlorinated VOCs
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
				PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethane	Vinyl Chloride	Chloroethane	1,2-Dichloropropane	1,1,2-Trichloroethane
MW-16	G-Logics	2/16/2007	MW-16-021607	< 1.0	**30.2**	**27.9**	< 1.0	< 2.0	< 1.0	**7**	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-16-021213	< 1	2.4	**24**	6.1	< 1	< 1	**6.6**	< 1	---	---
	Farallon	12/14/2017	MW-16-121417	< 0.20	1.7	**30**	7.2	0.55	< 0.20	**8.1**	< 1.0	< 0.20	< 0.20
	Farallon	10/3/2018	MW-16-100318	< 0.20	1.2	**25**	5.4	0.44	< 0.20	**7.0**	< 1.0	< 0.20	< 0.20
	Farallon	8/9/2021	MW-16-080921	< 0.20	1.2	**25**	4.7	0.41	< 0.20	**7.1**	< 1.0	< 0.20	< 0.20
MW-17	G-Logics	2/16/2007	MW-17-021607	< 1.0	**109**	**77.3**	< 1.0	5.6	< 1.0	**155**	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-17-021213	< 1	**48**	**41**	17	2.5	< 1	**76**	9.2	---	---
	Farallon	12/14/2017	MW-17-121417	< 0.20	**18**	**23**	8.4	0.92	0.31	**23**	8	0.32	< 0.20
	Farallon	12/14/2017	DUP-2-121417	< 0.20	**17**	**23**	8.3	0.89	0.31	**22**	7.9	0.29	< 0.20
	Farallon	10/2/2018	MW-17-100218	< 0.40	**31**	**34**	15	2.3	0.41	**46**	22	0.41	< 0.40
	Farallon	8/9/2021	MW-17-080921	< 0.20	**16**	**23**	8.8	1.2	0.20	**22**	4.2	0.26	< 0.20
MW-18	G-Logics	2/16/2007	MW-18-021607	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.2	< 2.0	< 1.0	---
	RGI	2/12/2013	MW-18-021213	< 1	< 1	< 1	< 1	< 1	< 1	< 0.2	< 1	< 1	---
	Farallon	12/15/2017	MW-18-121517	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/3/2018	MW-18-100318	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/10/2021	MW-18-081021	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-19	Farallon	12/14/2017	MW-19-121417	< 0.40	**6.6**	**19**	2.7	0.72	< 0.40	**41**	< 2.0	< 0.40	< 0.40
	Farallon	10/2/2018	MW-19-100218	< 0.20	0.86	3.7	0.21	< 0.20	< 0.20	**8.5**	< 1.0	< 0.20	< 0.20
	Farallon	8/9/2021	MW-19-080921	< 0.20	1.2	7.1	0.51	< 0.20	< 0.20	**15**	< 1.0	< 0.20	< 0.20
MTCA Method A Cleanup Level[2]				**5**	**5**	**16[3]**	**160[3]**	**400[3]**	**5**	**0.2**	**NE**	**1.22[3]**	**0.77[3]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**	**5.1**

Table 4
Groundwater Analytical Results for Chlorinated VOCs
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
				PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	1,2-Dichloroethane	Vinyl Chloride	Chloroethane	1,2-Dichloropropane	1,1,2-Trichloroethane
MW-20	Farallon	5/10/2018	MW-20-051018	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	10/3/2018	MW-20-100318	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
	Farallon	8/10/2021	MW-20-081021	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-21	Farallon	10/2/2018	MW-21-100218	< 0.20 J	1.2 J	2.6 J	0.39 J	< 0.20 J	< 0.20 J	**7.9** J	< 1.0 J	< 0.20 J	< 0.20
	Farallon	8/9/2021	MW-21-080921	< 0.20	< 0.20	0.55	< 0.20	< 0.20	< 0.20	**0.98**	< 1.0	< 0.20	< 0.20
	Farallon	2/20/2023	MW-21-022023	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	**0.21**	< 1.0	< 0.20	< 0.20
MW-22	Farallon	2/20/2023	MW-22-022023	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-23	Farallon	2/20/2023	MW-23-022023	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-24	Farallon	2/22/2023	MW-24-022223	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-26	Farallon	7/20/2023	MW-26-072023	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 1.0	< 0.20	< 0.20
MW-27	Farallon	7/20/2023	MW-27-072023	< 0.40	**9.4**	**34**	2.8	1.4	0.53	**48**	< 2.0	0.41	< 0.40
MTCA Method A Cleanup Level[2]				**5**	**5**	**16[3]**	**160[3]**	**400[3]**	**5**	**0.2**	**NE**	**1.22[3]**	**0.77[3]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**	**5.1**

NOTES:

Results in **bold** denote concentrations exceeding MTCA cleanup levels. Green highlight indicates new 2023 analytical results.
Results in shaded cells denote concentrations exceeding MTCA vapor intrusion screening levels.
< denotes concentration not detected at or exceeding the laboratory method reporting limit listed.
— denotes constituent not analyzed.

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

[2]MTCA Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

[3]MTCA Method A cleanup level not established; the listed value is the Washington State Cleanup Levels and Risk Calculations (CLARC) MTCA Method B Standard Formula Value for Groundwater - Direct Contact (Ingestion and Inhalation Only), lowest of cancer or non-cancer values, from CLARC Master Spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-

[4]Washington State CLARC MTCA Method B Standard Formula Value - Groundwater Screening Level for Vapor Intrusion Pathway, lowest of cancer or non-cancer values, from CLARC Master Spreadsheet, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

Farallon = Farallon Consulting, L.L.C.
G-Logics = G-Logics, Inc.
J = result is an estimate
Kleinfelder = Kleinfelder, Inc.
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
ND = analyte not detected; laboratory reporting limit unknown
NE = not established
PCE = tetrachloroethene
RGI = The Riley Group, Inc.
TCE = trichloroethene
VOC = volatile organic compound

Table 5
Groundwater Analytical Results for Petroleum Hydrocarbons and 1,2-Dibromoethane
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

				Analytical Results (micrograms per liter)									
				NWTPH-Dx				NWTPH-Gx	EPA Method 8021 or 8260				EPA Method 8011
Sample Location	Sampled By	Sample Date	Sample Identification	DRO	Mineral Oil	ORO	DRO+ORO (C10-C36)^	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-Dibromoethane
Reconnaissance Groundwater Samples													
GLP-07	G-Logics	1/5/2007	GLP-07-GW	**52,800**[1]	< 400	< 400[2]	**53,000**	< 100[3]	< 1.0	1.9	< 1.0	6.4	---
FB-22	Farallon	8/29/2018	FB-22-GW	330	---	**510**	**840**	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
FB-23	Farallon	8/29/2018	FB-23-GW	---	---	---	---	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
FB-30	Farallon	2/14/2023	FB-30-15.0-GW-021423	**1,100** N	---	**5,700**	**6,800**	< 400	< 4.0	< 4.0	< 4.0	< 8.0	---
	Farallon	2/16/2023	FB-30-30.0-GW-021623	**520**	---	420	**940**	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
FB-31	Farallon	7/13/2023	FB-31-RGW	440 < 130 SG	---	**670** < 200 SG	**750** < 260 SG	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
FB-32	Farallon	7/13/2023	FB-32-RGW	**4,600** M < 1,100 SG M1	---	**700** < 210 SG	**4,100** M < 970 SG M1	**130,000**	**8,100**	**20,000**	**1,800**	**9,600**	---
FB-34	Farallon	7/14/2023	FB-34-RGW	140 < 130 SG	---	390 < 210 SG	330 < 260 SG	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
Monitoring Well Groundwater Samples													
MW-1	Kleinfelder	5/30/2006	MW-1-053006	ND	---	ND	ND	ND	ND	ND	ND	ND	---
	G-Logics	1/8/2007	MW-1	---	---	---	---	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-1-021213	72	---	< 250	197	< 100	< 0.35	< 1	< 1	< 2	---
	RGI	2/12/2013	MW-100-021213	59	---	< 250	184	---	< 0.35	< 1	< 1	< 2	---
MW-2	G-Logics	1/8/2007	MW-2	---	---	---	---	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-2-021213	190	---	< 250	315	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-2-121517	< 260	---	< 420	< 340	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-2-100218	< 250	---	< 400	< 325	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0097
	Farallon	8/10/2021	MW-2-081021	< 200	---	< 200	< 200	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-3	Kleinfelder	8/4/2006	MW-3-080406	---	---	---	---	---	< 1.0	< 1.0	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-3	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-3-021213	< 50	---	< 250	< 150	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-3-121517	< 260	---	< 410	< 335	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-3-100218	< 250	---	< 400	< 325	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0096
	Farallon	8/9/2021	MW-3-080921	< 210	---	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500**[5]	**500**	**800/1,000**[6]	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**	**0.30**

Table 5
Groundwater Analytical Results for Petroleum Hydrocarbons and 1,2-Dibromoethane
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

				Analytical Results (micrograms per liter)									
				NWTPH-Dx				NWTPH-Gx	EPA Method 8021 or 8260				EPA Method 8011
Sample Location	Sampled By	Sample Date	Sample Identification	DRO	Mineral Oil	ORO	DRO+ORO (C10-C36)^	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-Dibromoethane
MW-4	Kleinfelder	5/30/2006	MW-4-053006	ND	---	ND	ND	ND	ND	ND	ND	ND	---
	Kleinfelder	6/9/2006	MW-4-061406	---	---	---	---	---	ND	ND	ND	ND	---
	G-Logics	1/8/2007	MW-4	---	---	---	---	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-4-021213	< 50	---	< 250	< 150	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-4-121417	< 250	---	< 410	< 330	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-4-100218	< 250	---	< 400	< 325	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0097
MW-5	Kleinfelder	6/9/2006	MW-5-061406	ND	---	ND	ND	ND	ND	ND	ND	ND	---
MW-6	Kleinfelder	8/4/2006	MW-6-080406	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-6	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-6-021213	**600** < 50 SG	---	430 < 250 SG	**1,030** < 150 SG	100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-6-121517	< 260	---	< 420	< 340	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-6-100218	260	---	< 410	465	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0097
	Farallon	8/10/2021	MW-6-081021	460	---	**520**	**980**	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
	Farallon	7/19/2023	MW-6-071923	< 210	---	240	< 260	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
MW-7	Kleinfelder	8/4/2006	MW-7-080406	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	< 1.0	2.2	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-7	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	1.4	2.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-7-021213	< 50	---	< 250	< 150	< 100	0.55	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-7-121417	< 260	---	< 420	< 340	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	12/14/2017	DUP-1-121417	< 260	---	< 420	< 340	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-7-100318	< 250	---	< 400	< 325	< 100	< 2.0	< 10	< 2.0	< 6.0	< 0.0097
	Farallon	8/9/2021	MW-7-080921	< 210	---	< 210	< 210	< 100	< 0.80	< 4.0	< 0.80	< 2.4	---
MW-8	Kleinfelder	8/4/2006	MW-8-080406	---	---	---	---	---	< 1.0	< 1.0	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-8	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-8-021213	< 85	---	< 430	< 257.5	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-8-121517	< 250	---	< 400	< 325	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-8-100318	---	---	---		< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
	Farallon	8/10/2021	MW-8-081021	< 260	---	< 260	< 260	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500[5]**	**500**	**800/1,000[6]**	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**	**0.30**

Table 5
Groundwater Analytical Results for Petroleum Hydrocarbons and 1,2-Dibromoethane
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

				Analytical Results (micrograms per liter)									
				NWTPH-Dx				NWTPH-Gx	EPA Method 8021 or 8260				EPA Method 8011
Sample Location	**Sampled By**	**Sample Date**	**Sample Identification**	**DRO**	**Mineral Oil**	**ORO**	**DRO+ORO (C10-C36)^**	**GRO**	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**1,2-Dibromoethane**
MW-9	G-Logics	1/8/2007	MW-9	---	---	---	---	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-9-021213	430 < 50 SG	---	280 < 250 SG	**710** < 150 SG	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-9-121517	< 260	---	< 410	< 335	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-9-100318	< 250	---	< 400	< 325	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0098
	Farallon	8/10/2021	MW-9-081021	280	---	330	**610**	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-10	G-Logics	1/8/2007	MW-10	**283,000**[1]	< 400	**230,000**[2]	**513,000**	**298,000**[8]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-10-021213	**39,000**	---	**53,000**	**92,000**	**1,700**	< 0.35	< 1	< 1	< 2	---
MW-11	G-Logics	1/8/2007	MW-11	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	1.2	3.2	< 1.0	3.2	---
	RGI	2/12/2013	MW-11-021213	230	---	< 250	355	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-11-121417	< 260	---	< 420	< 340	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-11-100318	< 280	---	< 440	< 360	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0098
	Farallon	8/9/2021	MW-11-080921	320	---	**690**	**1,010**	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
	Farallon	7/19/2023	MW-11-071923	220	---	**600**	**510**	---	< 1.0	< 1.0	< 1.0	< 2.0	---
MW-12	G-Logics	1/8/2007	MW-12	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-12-021213	88	---	< 250	213	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-12-121417	320	---	< 410	**525**	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-12-100318	260	---	< 410	465	< 100	< 0.40	< 2.0	< 0.40	< 1.20	< 0.0097
	Farallon	8/9/2021	MW-12-080921	400	---	230	**630**	< 100	< 0.40	< 2.0	< 0.40	< 1.20	---
	Farallon	7/19/2023	MW-12-071923	< 220	---	< 220	< 270	---	---	---	---	---	---
MW-13	G-Logics	1/8/2007	MW-13	---	---	---	---	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-13-021213	< 50	---	< 250	< 150	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-13-121417	< 260	---	< 420	< 340	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-13-100218	< 260	---	< 410	< 335	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0099
	Farallon	8/9/2021	MW-13-080921	< 210	---	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500**[5]	**500**	**800/1,000**[6]	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**	**0.30**

Table 5
Groundwater Analytical Results for Petroleum Hydrocarbons and 1,2-Dibromoethane
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

				Analytical Results (micrograms per liter)									
				NWTPH-Dx				NWTPH-Gx	EPA Method 8021 or 8260				EPA Method 8011
Sample Location	Sampled By	Sample Date	Sample Identification	DRO	Mineral Oil	ORO	DRO+ORO (C10-C36)^	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-Dibromoethane
MW-14	G-Logics	2/16/2007	MW-14	< 200[1]	< 400	< 400[2]	< 300	---	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-14-021213	< 50	---	< 250	< 150	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-14-121517	< 270	---	< 440	< 355	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-14-100318	< 250	---	< 400	< 325	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0097
	Farallon	8/10/2021	MW-14-081021	< 210	---	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-15	G-Logics	2/16/2007	MW-15	< 200[1]	< 400	< 400[2]	< 300	---	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-15-021213	< 50	---	< 250	< 150	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-15-121417	< 290	---	< 470	< 380	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-15-100318	< 250	---	< 400	< 325	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0098
	Farallon	8/9/2021	MW-15-080921	< 210	---	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-16	G-Logics	2/16/2007	MW-16	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-16-021213	< 50	---	< 250	< 150	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-16-121417	< 260	---	< 410	< 335	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-16-100318	< 260	---	< 410	< 335	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0098
	Farallon	8/9/2021	MW-16-080921	< 210	---	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-17	G-Logics	2/16/2007	MW-17	< 200[1]	< 400	< 400[2]	< 300	---	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-17-021213	< 50	---	< 250	< 150	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-17-121417	< 290	---	< 460	< 375	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	12/14/2017	DUP-2-121417	< 310	---	< 500	< 405	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-17-100218	< 250	---	< 400	< 325	< 100	< 0.40	< 2.0	< 0.40	< 1.20	< 0.0098
	Farallon	8/9/2021	MW-17-080921	< 210	---	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-18	G-Logics	2/16/2007	MW-18	< 200[1]	< 400	< 400[2]	< 300	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-18-021213	83	---	< 250	208	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-18-121517	< 260	---	< 410	< 335	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-18-100318	< 260	---	< 410	< 335	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0096
	Farallon	8/10/2021	MW-18-081021	< 210	---	260	365	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500[5]**	**500**	**800/1,000[6]**	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**	**0.30**

Table 5
Groundwater Analytical Results for Petroleum Hydrocarbons and 1,2-Dibromoethane
Morningside Acres Tracts
Seattle, Washington
Farallon PN: 1355-001

				Analytical Results (micrograms per liter)									
				NWTPH-Dx				NWTPH-Gx	EPA Method 8021 or 8260				EPA Method 8011
Sample Location	Sampled By	Sample Date	Sample Identification	DRO	Mineral Oil	ORO	DRO+ORO (C10-C36)^	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-Dibromoethane
MW-19	Farallon	12/14/2017	MW-19-121417	< 260	---	< 410	< 335	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-19-100218	< 250	---	< 400	< 325	< 100	**5.9**	< 1.0	< 0.20	< 0.60	< 0.0097
	Farallon	8/9/2021	MW-19-080921	< 200	---	< 200	< 200	< 100	2.8	< 1.0	< 0.20	< 0.60	---
	Farallon	7/20/2023	MW-19-072023	---	---	---	---	---	< 1.0	< 1.0	< 1.0	< 2.0	---
MW-20	Farallon	5/10/2018	MW-20-051018	< 260	---	< 420	< 340	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
	Farallon	10/3/2018	MW-20-100318	< 250	---	< 400	< 325	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0098
	Farallon	8/10/2021	MW-20-081021	< 210	---	< 210	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-21	Farallon	10/2/2018	MW-21-100218	380	---	< 400	**580**	< 100	< 0.20 J	< 1.0 J	< 0.20 J	< 0.60 J	< 0.010 J
	Farallon	8/9/2021	MW-21-080921	< 210	---	260	365	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-22	Farallon	2/20/2023	MW-22-022023	260	---	450	**710**	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	7/19/2023	MW-22-071923	< 200 < 200 SG	---	270 < 200 SG	250 < 250 SG	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
MW-23	Farallon	2/20/2023[9] 3/23/2023	MW-23-022023[9] MW-23-230323	< 160[9]	---	250[9]	330[9]	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	7/19/2023	MW-23-071923	< 200	---	< 200	< 250	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
MW-24	Farallon	2/22/2023	MW-24-022223	< 230	---	< 230	< 230	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	7/19/2023	MW-24-071923	< 210	---	240	< 260	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
MW-25	Farallon	7/19/2023	MW-25-071923	380	---	420	500	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500[5]**	**500**	**800/1,000[6]**	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**NE**	**NE**	**NE**	**NE**	**NE**	**2.4**	**15,000**	**2,800**	**320**	**0.30**

NOTES:

Results in **bold** denote concentrations exceeding MTCA cleanup levels. Green highlight indicates new 2023 analytical results.
Results in shaded cells denote concentrations exceeding MTCA vapor intrusion screening levels.
< denotes concentration not detected at or exceeding the laboratory method reporting limit listed.
— denotes constituent not analyzed.
^ Results are DRO+ORO calculations. A value of half the detection limit was used for non-detect values. Beginning in July 2023, results were quantified by the laboratory as hydrocarbon range of C10 to C36 (diesel and oil ranges).

[1]Quantified as "diesel."

[2]Quantified as "oil."

[3]Quantified as "gasoline."

[4]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.

[5]Cleanup level for total petroleum hydrocarbons as heavy oil-range organics.

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

[7]Washington State CLARC MTCA Method B Standard Formula Value - Groundwater Screening Level for Vapor Intrusion Pathway, lowest of cancer or non-cancer values, from CLARC Master Spreadsheet dated July 2015, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

[8]Quantified as "mineral spirits."

[9]Original DRO and ORO results for sample MW-23-022023 were 690 and 190 micrograms per liter, respectively. This sample contained high turbidity at 1,414 nephelometric turbidity units (NTU) that appeared to impact results. Another groundwater sample was collected from MW-23 on 3/23/2023 with a turbidity measurement of 180 NTU that was submitted for NWTPH-Dx analysis. The results from the sample collected on 3/23/2023 are shown in the table.

BTEX = benzene, toluene, ethylbenzene, and xylenes
DRO = total petroleum hydrocarbons as diesel-range organics
EPA = U.S. Environmental Protection Agency
Farallon = Farallon Consulting, L.L.C.
G-Logics = G-Logics, Inc.
GRO = total petroleum hydrocarbons as gasoline-range organics
J = result is an estimate
Kleinfelder = Kleinfelder, Inc.
MTCA = Washington State Model Toxics Control Act Cleanup Regulation
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 oil-range are impacting the diesel result
ND = analyte not detected; laboratory method reporting limit unknown
NE = not established
NWTPH-Dx = Northwest Method NWTPH-Dx
NWTPH-Gx = Northwest Method NWTPH-Gx
ORO = total petroleum hydrocarbons as oil-range organics
RGI = The Riley Group, Inc.
SG = result for sample analyzed with silica gel cleanup procedure

ATTACHMENT A
BORING LOGS

SECOND ADDENDUM TO REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT
Morningside Acres Tracts
5001, 5015, and 5021 Rainier Avenue South
Seattle, Washington

Farallon PN: 1355-001

FARALLON CONSULTING

Log of Boring: FB-31

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: C. Van Stolk
Reviewed By: Y. Pehlivan

Date/Time Started: 7/13/23 1300
Date/Time Completed: 7/13/23 1338
Drilling Company: Holt Services
Drilling Method: Direct Push
Drilling Equipment: GP7822DT
Drilling Operator: Grady Green
Sampler Type: 5' macrocore

Depth to Water ATD (ft bgs): 14.2
Boring Diameter (in): 2.0
Total Boring Depth (ft bgs): 20.0

Depth (ft bgs)	Lithologic Description	USCS	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0	0.0 - 0.3': Asphalt.	AC				
	0.3 - 5.0': Sandy SILT, brown, gray, moist. Air knifed to 5.0' bgs.	ML				
5	5.0 - 10.0': SILT with sand (75% silt, 25% sand), fine to medium sand, gray, grayish brown and blueish gray, moist, organic odor, some organic material.	ML	100	1.3		
10	10.0 - 14.2': SILT (100% silt), gray with orange mottling to blueish gray, moist, organic odor, abundant organic material.	ML	100	1.1		
	14.2 - 15.0': Silty SAND with gravel (55% sand, 25% silt, 20% gravel), fine to medium sand, brownish gray, wet.	SM				
15	15.0 - 16.0': Silty SAND with gravel (60% sand, 20% silt, 20% gravel), fine to coarse sand, fine gravel, gray, wet.	SM	100	0.6		
	16.0 - 16.5': Poorly graded GRAVEL (100% gravel), fine gravel, gray, wet.	GP				
	16.5 - 20.0': Silty SAND (75% sand, 25% silt), fine to medium sand, gray, wet, no odor.	SM			FB-31-RGW	X
20				0.9		

Completion Information

Temporary Well Casing Diameter (in): 0.75
Temporary Well Screened Interval (ft bgs): 10.0 - 20.0
Boring Abandonment: Bentonite
Surface Seal: N/A
Ground Surface Elevation (ft): N/A
Surveyed Location: **X:** N/A **Y:** N/A

FARALLON CONSULTING

Log of Boring: FB-32

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: C. Van Stolk
Reviewed By: Y. Pehlivan

Date/Time Started: 7/13/23 1135
Date/Time Completed: 7/13/23 1200
Drilling Company: Holt Services
Drilling Method: Direct Push
Drilling Equipment: GP7822DT
Drilling Operator: Grady Green
Sampler Type: 5' macrocore

Depth to Water ATD (ft bgs): 12.0
Boring Diameter (in): 2.0
Total Boring Depth (ft bgs): 17.5

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 0.3': Asphalt.	AC						
		0.3 - 5.0': Sandy SILT, brown, moist, wet at 3.5' bgs, petroleum-like odor. Air knifed to 5.0' bgs.	ML						
5		5.0 - 6.5': Sandy SILT with gravel (60% silt, 20% sand, 20% gravel), fine to coarse sand, gray, dry, petroleum-like odor, some organic material.	ML			30	417	FB-32-5.0	
		6.5 - 10.0': No Recovery.							
10		10.0 - 12.0': Sandy SILT with gravel (60% silt, 20% sand, 20% gravel), fine to coarse sand, gray, dry, strong petroleum-like odor, some organic material.	ML			100	328	FB-32-10.0	X
		12.0 - 13.0': SILT with sand (80% silt, 20% sand), fine to coarse sand, gray, wet, strong petroleum-like odor.	ML		▼			FB-32-RGW	X
		13.0 - 14.0': Silty SAND with gravel (40% sand, 40% gravel, 20% silt), fine to coarse sand, fine and coarse gravel, brownish gray, wet, strong petroleum-like odor.	SM						
		14.0 - 15.0': Sandy SILT with gravel (60% silt, 20% sand, 20% gravel), fine to coarse sand, gray, dry, petroleum-like odor, some organic material.	ML						
15		15.0 - 17.5': Poorly graded GRAVEL with silt and sand (40% gravel, 30% silt, 30% sand), fine to coarse sand, fine and coarse gravel, dark brown, moist, petroleum-like odor.	GP			100	61.0	FB-32-15.0	
20									

Completion Information

Temporary Well Casing Diameter (in): 0.75
Temporary Well Screened Interval (ft bgs): 7.5 - 17.5
Boring Abandonment: Bentonite
Surface Seal: N/A
Ground Surface Elevation (ft): N/A
Surveyed Location: **X:** N/A **Y:** N/A

FARALLON CONSULTING

Log of Boring: FB-33

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: C. Van Stolk
Reviewed By: Y. Pehlivan

Date/Time Started: 7/13/23 1044
Date/Time Completed: 7/13/23 1215
Drilling Company: Holt Services
Drilling Method: Direct Push
Drilling Equipment: GP7822DT
Drilling Operator: Grady Green
Sampler Type: 5' macrocore

Depth to Water ATD (ft bgs): 11.0
Boring Diameter (in): 2.0
Total Boring Depth (ft bgs): 17.5

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 0.3': Asphalt.	AC						
		0.3 - 5.0': Sandy SILT, brown, petroleum-like odor. Air knifed to 5.0' bgs.	ML						
5		5.0 - 6.5': Sandy SILT (60% silt, 30% sand, 10% gravel), fine to coarse sand, fine gravel, grayish brown, moist.	ML			100			
							75.2	FB-33-6.0	
		6.5 - 10.0': SILT with sand (75% silt, 25% sand), fine to coarse sand, light gray, dry, petroleum-like odor, some organic material.	ML				186.1		
10		10.0 - 12.0': Silty SAND (60% sand, 40% silt), fine to medium sand, greenish gray, moist, wet at 11.0' bgs, petroleum-like odor.	SM		▼	100	209	FB-33-10.0	X
		12.0 - 12.5': Silty SAND with gravel (50% sand, 20% silt, 30% gravel), fine to coarse sand, fine gravel, brown, wet.	SM						
		12.5 - 17.5': Silty SAND with gravel (40% silt, 30% sand, 30% gravel), fine sand, gray, dry.	SM				3.4		
15						100	1.2	FB-33-15.0	

Completion Information

Temporary Well Casing Diameter (in): N/A
Temporary Well Screened Interval (ft bgs): N/A
Boring Abandonment: Bentonite
Surface Seal: N/A
Ground Surface Elevation (ft): N/A
Surveyed Location: **X:** N/A **Y:** N/A

FARALLON CONSULTING

Log of Boring: FB-34

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: C. Van Stolk
Reviewed By: Y. Pehlivan

Date/Time Started: 7/13/23 1530
Date/Time Completed: 7/13/23 1555
Drilling Company: Holt Services
Drilling Method: Direct Push
Drilling Equipment: GP7822DT
Drilling Operator: Grady Green
Sampler Type: 5' macrocore

Depth to Water ATD (ft bgs): 14.0
Boring Diameter (in): 2.0
Total Boring Depth (ft bgs): 20.0

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 0.2': Landscape topsoil.	TOP SOIL						
		0.2 - 5.0': Sandy SILT (80% silt, 20% sand), fine to coarse sand, tan, dry, slight petroleum-like odor. Air knifed to 5.0' bgs.	ML						
5		5.0 - 7.0': SILT (90% silt, 10% sand), fine to medium sand, gray with orange mottling, moist, some organic material.	ML			100		FB-34-8.0	
		7.0 - 8.3': Sandy SILT with gravel (65% silt, 20% sand, 15% gravel), fine to coarse sand, fine and coarse gravel, dark brown, moist, perched water at 8.0' bgs.	ML				0.6		
		8.3 - 10.0': SILT (90% silt, 10% sand), fine to medium sand, gray with orange mottling, moist, some organic material.	ML						
10		10.0 - 13.5': SILT (90% silt, 10% sand), fine to medium sand, gray with orange mottling, moist, some organic material.	ML			100	0.7	FB-34-10.0	X
		13.5 - 15.0': Silty SAND with gravel (50% sand, 20% silt, 30% gravel), fine to coarse sand, fine and coarse gravel, brown, moist, wet at 14.0' bgs.	SM		▼				
15		15.0 - 20.0': Well graded GRAVEL with sand (70% gravel, 30% sand), fine to coarse sand, fine and coarse gravel, dark gray, wet, no odor, trace silt.	GW			100	0.7	FB-34-15.0	
								FB-34-RGW	X
20									

Completion Information

Temporary Well Casing Diameter (in): 0.75
Temporary Well Screened Interval (ft bgs): 10.0 - 20.0
Boring Abandonment: Bentonite
Surface Seal: N/A
Ground Surface Elevation (ft): N/A
Surveyed Location: **X:** N/A **Y:** N/A

FARALLON CONSULTING

Log of Boring: FB-35

Client:	Washin Murakami
Project:	Morningside Acres Tract
Location:	Seattle, Washington
Farallon PN:	1355-001
Logged By:	C. Van Stolk
Reviewed By:	Y. Pehlivan

Date/Time Started:	7/14/23 1620	**Depth to Water ATD (ft):**	5.6
Date/Time Completed:	7/14/23 1700	**Boring Diameter (in):**	2.0
Drilling Company:	Holt Services	**Total Boring Length (ft):**	15.0
Drilling Method:	Direct Push	**Bearing (degrees):**	100
Drilling Equipment:	GP 7822DT	**Angle From Vertical (degrees):**	32.5
Drilling Operator:	Grady Green		
Sampler Type:	5' macrocore		

Linear feet Logged	Vertical Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0	0		0.0 - 1.0': Concrete.				50			
			1.0 - 3.6': Silty SAND (65% sand, 25% silt, 10% gravel), fine to coarse sand, fine gravel, brown, moist, no odor.	SM						
			3.6 - 5.0': No Recovery.							
5			5.0 - 6.0': SILT (100% silt), gray, moist.	ML		▼	80			
	5		6.0 - 8.2': Well graded SAND (90% sand, 10% silt), fine to medium sand, gray with orange mottling, moist, wet at 5.6' bgs.	SW				0.7	FB-35-6.0	X
			8.2 - 9.3': Silty SAND (85% sand, 15% silt), fine sand, gray, moist, no odor.	SM						
			9.3 - 10.0': No Recovery.							
10			10.0 - 12.9': Silty SAND (70% sand, 30% silt), fine sand, gray, moist.	SM			80	0.9	FB-35-10.0	X
	10							0.3	FB-35-11.5	X
			12.9 - 14.4': SILT with sand (85% silt, 15% sand), fine sand, gray, dry.	ML						
			14.4 - 15.0': No Recovery. Refusal at 15' bgs due to hard silt.							
15										

Completion Information

Temporary Well Casing Diameter (in):	N/A	**Surface Seal:**	N/A
Temporary Well Screened Interval (ft):	N/A	**Ground Surface Elevation (ft):**	N/A
Boring Abandonment:	N/A	**Surveyed Location:** **X:** N/A	**Y:** N/A

FARALLON CONSULTING

Log of Boring: FB-36

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: C. Van Stolk
Reviewed By: Y. Pehlivan

Date/Time Started: 7/14/23 1417
Date/Time Completed: 7/14/23 1440
Drilling Company: Holt Services
Drilling Method: Direct Push
Drilling Equipment: GP7822DT
Drilling Operator: Grady Green
Sampler Type: 5' macrocore

Depth to Water ATD (ft bgs): 13.0
Boring Diameter (in): 2.0
Total Boring Depth (ft bgs): 20.0

Depth (ft bgs)	Lithologic Description	USCS	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0	0.0 - 0.3': Asphalt.	AC				
	0.3 - 5.0': Silty SAND with gravel, brown, moist, no odor. Air knifed to 5.0' bgs.	SM				
5	5.0 - 6.8': Silty SAND with gravel (55% sand, 25% silt, 20% gravel), fine gravel, brown, moist. Charcoal debris present.	SM	70			
	6.8 - 7.5': Sandy SILT (65% silt, 35% sand), dark brown, moist, organic odor.	ML		2.6	FB-36-7.0	
	7.5 - 8.5': SILT (100% silt), gray, dry.	ML				
	8.5 - 10.0': No Recovery.					
10	10.0 - 11.5': Sandy SILT (65% silt, 35% sand), fine to medium sand, greenish gray, moist, some organic material.	ML	80	0.8	FB-36-10.0	
	11.5 - 12.0': Silty SAND (70% sand, 30% silt), fine to medium sand, brown, moist.	SM				
	12.0 - 14.0': SILT (100% silt), gray, moist, wet at 13.0' bgs.	ML		0.4	FB-36-13.0	X
	14.0 - 15.0': No Recovery.					
15	15.0 - 16.2': SILT (100% silt), gray, wet.	ML	100			
	16.2 - 20.0': Silty GRAVEL with sand (50% gravel, 25% silt, 25% sand), fine to coarse sand, fine and coarse gravel, gray, wet, dry at 19.0' bgs.	GM		1.0	FB-36-18.0	X
20						

Completion Information

Temporary Well Casing Diameter (in): N/A
Temporary Well Screened Interval (ft bgs): N/A
Boring Abandonment: Bentonite
Surface Seal: N/A
Ground Surface Elevation (ft): N/A
Surveyed Location: **X:** N/A **Y:** N/A

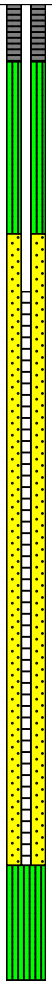
FARALLON CONSULTING

Log of Boring: MW-25

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: C. Van Stolk
Reviewed By: Y. Pehlivan

Date/Time Started:	7/14/23 1110	**Depth to Water ATD (ft bgs):**	14.0
Date/Time Completed:	7/14/23 1138	**Boring Diameter (in):**	3.0
Drilling Company:	Holt Services	**Total Boring Depth (ft bgs):**	17.0
Drilling Method:	Direct Push	**Constructed Well Depth (ft bgs):**	15.0
Drilling Equipment:	GP7822DT		
Drilling Operator:	Grady Green		
Sampler Type:	5' macrocore		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 5.0': Silty SAND, brown, moist, some roots and organic material. Air knifed to 5.0' bgs.	SM				
5		5.0 - 6.8': Sandy SILT (80% silt, 20% sand), fine to medium sand, gray, brown, and black, moist, some organic material and wood debris.	ML	80	0.2	MW-25-5.0	X
		6.8 - 9.0': SILT (100% silt), gray, moist, some organic material.	ML				
		9.0 - 10.0': No Recovery.					
10		10.0 - 13.9': Silty SAND with gravel (40% sand, 30% gravel, 30% silt), fine to coarse sand, fine and coarse gravel, gray with orange-brown mottling, moist.	SM	100	29.4	MW-25-10.0	X
		13.9 - 15.0': Silty SAND (60% sand, 30% silt, 10% gravel), fine to medium sand, fine gravel, gray, wet.	SM		0.1		
15		15.0 - 15.6': Sandy SILT with gravel (50% silt, 30% sand, 20% gravel), fine to medium sand, fine gravel, dark gray, moist.	ML	100		MW-25-15.0	X
		15.6 - 17.0': SILT (100% silt), gray, dry. Refusal at 17.0' bgs.	ML				
					0.1	MW-25-17.0	X
20							



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	10/20 Sand	**Ground Surface Elevation (ft):**	N/A
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	115.09
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location: X:** N/A	**Y:** N/A
Screened Interval (ft bgs):	5.0 - 15.0	**Boring Abandonment:**	N/A	**Unique Well ID:**	BPL 565

FARALLON CONSULTING

Log of Boring: MW-26

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: M. H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started:	7/17/23 1200	**Depth to Water ATD (ft bgs):**	4.0
Date/Time Completed:	7/18/23 1032	**Boring Diameter (in):**	8.0
Drilling Company:	Cascade	**Total Boring Depth (ft bgs):**	45.0
Drilling Method:	Hollow Stem Auger	**Constructed Well Depth (ft bgs):**	45.0
Drilling Equipment:	CME55		
Drilling Operator:	Wesley Kennedy		
Sampler Type:	18" Split Spoon		
Drive Hammer (lbs):	145		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Blow Counts	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0 - 0.3': Concrete.	AC			100				Concrete
		0.3 - 5.0': Silty SAND (50% sand, 40% silt, 10% gravel), medium sand, fine gravel, brown, dry, no odor. Air knifed to 5.0' bgs.	SM							Water Level
5								MW-26-5.0		Bentonite
										Blank Casing
10		10.0 - 11.0': Sandy SILT (65% silt, 25% sand, 10% gravel), fine to medium sand, fine gravel, brown, moist, faint odor.	ML		31 50/6	66		MW-26-10.0	X	
		11.0 - 11.5': No Recovery.								
15		15.0 - 16.5': Sandy SILT (50% silt, 50% sand), fine to medium sand, gray, wet, no odor, no staining.	ML		22 25 28	100		MW-26-15.0	X	
20										

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	10/20 Sand	**Ground Surface Elevation (ft):**	N/A
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	N/A
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location: X:** N/A	**Y:** N/A
Screened Interval (ft bgs):	35.0 - 45.0	**Boring Abandonment:**	N/A	**Unique Well ID:**	BPR 414

Log of Boring: MW-26

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: M. H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started:	7/17/23 1200	**Depth to Water ATD (ft bgs):**	4.0
Date/Time Completed:	7/18/23 1032	**Boring Diameter (in):**	8.0
Drilling Company:	Cascade	**Total Boring Depth (ft bgs):**	45.0
Drilling Method:	Hollow Stem Auger	**Constructed Well Depth (ft bgs):**	45.0
Drilling Equipment:	CME55		
Drilling Operator:	Wesley Kennedy		
Sampler Type:	18" Split Spoon		
Drive Hammer (lbs):	145		

Depth (ft bgs)	Lithologic Description	USCS	Blow Counts	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
	20.0 - 20.5': Sandy SILT (50% silt, 50% sand), fine to medium sand, gray, wet, no odor, no staining.	ML	50/4	33				Bentonite
	20.5 - 21.5': No Recovery.							Blank Casing
25	25.0 - 26.0': Sandy SILT (50% silt, 50% sand), fine to medium sand, gray, wet, no odor, no staining	ML	47 50/6	60		MW-26-25.0	X	
	26.0 - 26.5': No Recovery.							
30	30.0 - 31.0': Sandy SILT (50% silt, 50% sand), fine to medium sand, gray, wet, no odor, no staining	ML	100/ 6	60				Sand Pack
	31.0 - 31.5': No Recovery.							
35	35.0 - 35.5': SILT (95% silt, 5% sand), gray, low plasticity, dry, no odor.	ML	100/ 6	30		MW-26-35.0	X	PVC Screen
	35.5 - 36.5': No Recovery.							
40								

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	10/20 Sand	**Ground Surface Elevation (ft):**	N/A
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	N/A
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location: X:** N/A	**Y:** N/A
Screened Interval (ft bgs):	35.0 - 45.0	**Boring Abandonment:**	N/A	**Unique Well ID:**	BPR 414

FARALLON CONSULTING

Log of Boring: MW-26

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: M. H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started:	7/17/23 1200	**Depth to Water ATD (ft bgs):**	4.0
Date/Time Completed:	7/18/23 1032	**Boring Diameter (in):**	8.0
Drilling Company:	Cascade	**Total Boring Depth (ft bgs):**	45.0
Drilling Method:	Hollow Stem Auger	**Constructed Well Depth (ft bgs):**	45.0
Drilling Equipment:	CME55		
Drilling Operator:	Wesley Kennedy		
Sampler Type:	18" Split Spoon		
Drive Hammer (lbs):	145		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Blow Counts	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		40.0 - 40.8': SILT with sand (85% silt, 15% sand), fine sand, gray, dry, faint odor.	ML		100/6	50				Sand Pack
		40.8 - 41.5': No Recovery.								PVC Screen
45		45.0 - 45.5': SILT (100% silt), gray, low plastcity, dry, moderate odor.	ML			33				Bentonite
		45.5 - 46.5': No Recovery.								
50										
55										
60										

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	10/20 Sand	**Ground Surface Elevation (ft):**	N/A
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	N/A
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location: X:** N/A	**Y:** N/A
Screened Interval (ft bgs):	35.0 - 45.0	**Boring Abandonment:**	N/A	**Unique Well ID:**	BPR 414

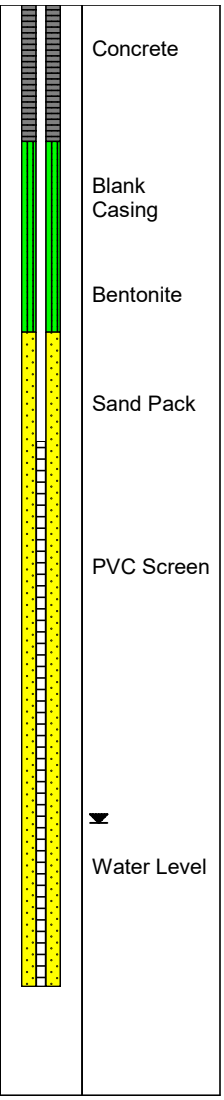
FARALLON CONSULTING

Log of Boring: MW-27

Client: Washin Murakami
Project: Morningside Acres Tract
Location: Seattle, Washington
Farallon PN: 1355-001
Logged By: M. H. Nelson
Reviewed By: Y. Pehlivan

Date/Time Started:	7/17/23 1055	**Depth to Water ATD (ft bgs):**	15.0
Date/Time Completed:	7/17/23 1609	**Boring Diameter (in):**	8.0
Drilling Company:	Holt Services	**Total Boring Depth (ft bgs):**	18.0
Drilling Method:	Hollow Stem Auger	**Constructed Well Depth (ft bgs):**	18.0
Drilling Equipment:	CME55		
Drilling Operator:	Wesley Kennedy		
Sampler Type:	18" Split Spoon		
Drive Hammer (lbs):	140		

Depth (ft bgs)	Lithologic Description	USCS	Blow Counts	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0	0.0 - 0.3': Concrete	CO					
	0.3 - 5.0': Air knifed to 5.0' bgs. Poorly graded SAND (95% sand, 5% silt), medium sand, brown dry, no odor.	SP					
5					7.8		
10	10.0 - 11.3': SILT with sand (75% silt, 10% sand, 5% gravel), dark brown with gray and black staining, dry, faint petroleum-like odor.	ML	38 50/6	100	2.8		
	11.3 - 11.5': No Recovery.						
15	15.0 - 16.0': Poorly graded SAND with SILT (90% sand, 10% silt), gray, wet, no odor.	SP-SM	21 24 27	100	0.4		
	16.0 - 16.5': No Recovery.						
	18.0 - 18.5': SILT (100% silt), gray, dry, no odor.	ML	50/6	100	2.8		
20							



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	10/20 Sand	**Ground Surface Elevation (ft):**	N/A
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	114.88
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location: X:** N/A	**Y:** N/A
Screened Interval (ft bgs):	8.0 - 18.0	**Boring Abandonment:**	N/A	**Unique Well ID:**	BPR-413

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

SECOND ADDENDUM TO REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT
Morningside Acres Tracts
5001, 5015, and 5021 Rainier Avenue South
Seattle, Washington

Farallon PN: 1355-001

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

July 20, 2023

Stuart Brown
Farallon Consulting
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2307-105

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on July 14, 2023.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

Case Narrative

Samples were collected on July 13 and 14, 2023 and received by the laboratory on July 14, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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

NWTPH-Gx/BTEX Analysis - Soil

The surrogate percent recovery is outside control limits on the high end for samples FB-36-10.0, FB-36-13.0, and FB-34-10.0. Because the samples are non-detect, no further action will be taken.

Volatiles EPA 8260D Analysis

Sample FB-32-RGW was analyzed at a dilution due to the high concentration of non-halogenated compounds. Consequently, some MTCA Method A cleanup levels are not achievable.

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

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-33-10.0**					
Laboratory ID:	07-105-02					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.062	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**0.092**	0.062	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**0.29**	0.062	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.062	EPA 8021B	7-18-23	7-18-23	
Gasoline Range Organics	**480**	6.2	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*115*	*65-126*				
Client ID:	**FB-32-10.0**					
Laboratory ID:	07-105-05					
Benzene	**0.16**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**2.1**	0.081	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**1.2**	0.081	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**3.9**	0.081	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**1.7**	0.081	EPA 8021B	7-18-23	7-18-23	
Gasoline Range Organics	**160**	8.1	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*116*	*65-126*				
Client ID:	**FB-36-10.0**					
Laboratory ID:	07-105-08					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.071	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.071	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.071	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.071	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	7.1	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*129*	*65-126*				Q

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-36-13.0**					
Laboratory ID:	07-105-09					
Benzene	**ND**	0.021	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.10	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.10	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.10	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.10	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	10	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*137*	*65-126*				Q
Client ID:	**FB-36-18.0**					
Laboratory ID:	07-105-10					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.078	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.078	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.078	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.078	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	7.8	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*111*	*65-126*				
Client ID:	**FB-34-10.0**					
Laboratory ID:	07-105-12					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.073	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.073	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.073	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.073	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	7.3	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*133*	*65-126*				Q

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-25-5.0**					
Laboratory ID:	07-105-17					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.062	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.062	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.062	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.062	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	6.2	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*118*	*65-126*				
Client ID:	**MW-25-10.0**					
Laboratory ID:	07-105-18					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.071	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.071	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**0.26**	0.071	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.071	EPA 8021B	7-18-23	7-18-23	
Gasoline Range Organics	**440**	140	NWTPH-Gx	7-18-23	7-20-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*117*	*65-126*				
Client ID:	**MW-25-15.0**					
Laboratory ID:	07-105-19					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.074	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.074	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.074	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.074	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	7.4	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*117*	*65-126*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-25-17.0**					
Laboratory ID:	07-105-20					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.077	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.077	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.077	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.077	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	7.7	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*121*	*65-126*				
Client ID:	**FB-35-10.0**					
Laboratory ID:	07-105-22					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.066	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.066	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.066	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.066	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	6.6	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*123*	*65-126*				
Client ID:	**FB-35-11.5**					
Laboratory ID:	07-105-23					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.078	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.078	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.078	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.078	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	7.8	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*124*	*65-126*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0718S3					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.050	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.050	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.050	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.050	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	5.0	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-126*				
Laboratory ID:	MB0718S4					
Benzene	**ND**	0.020	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	0.050	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	0.050	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	0.050	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	0.050	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	5.0	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*65-126*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-120-04										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*93*	*93*	*65-126*			
Laboratory ID:	07-120-06										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*98*	*95*	*65-126*			
SPIKE BLANKS											
Laboratory ID:	SB0718S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.892**	**0.899**	1.00	1.00		**89**	**90**	77-113	1	10	
Toluene	**0.917**	**0.918**	1.00	1.00		**92**	**92**	81-115	0	10	
Ethylbenzene	**0.928**	**0.930**	1.00	1.00		**93**	**93**	80-115	0	10	
m,p-Xylene	**0.924**	**0.924**	1.00	1.00		**92**	**92**	81-115	0	11	
o-Xylene	**0.935**	**0.932**	1.00	1.00		**94**	**93**	82-115	0	11	
Surrogate:											
Fluorobenzene						*87*	*87*	*65-126*			

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-32-RGW**					
Laboratory ID:	07-105-14					
Benzene	**8100**	250	EPA 8021B	7-18-23	7-18-23	
Toluene	**20000**	250	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**1800**	250	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**5900**	250	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**3700**	250	EPA 8021B	7-18-23	7-18-23	
Gasoline	**130000**	25000	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*65-122*				
Client ID:	**FB-31-RGW**					
Laboratory ID:	07-105-15					
Benzene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	100	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-122*				
Client ID:	**FB-34-RGW**					
Laboratory ID:	07-105-16					
Benzene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	100	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*65-122*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0718W1					
Benzene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Toluene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-18-23	7-18-23	
Gasoline	**ND**	100	NWTPH-Gx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*65-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-105-16										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*80*	*65-122*			
SPIKE BLANKS											
Laboratory ID:	SB0718W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**45.1**	**46.2**	50.0	50.0		**90**	**92**	81-118	2	12	
Toluene	**46.2**	**47.1**	50.0	50.0		**92**	**94**	82-119	2	12	
Ethylbenzene	**46.3**	**47.1**	50.0	50.0		**93**	**94**	81-118	2	12	
m,p-Xylene	**46.1**	**46.8**	50.0	50.0		**92**	**94**	82-118	2	12	
o-Xylene	**46.7**	**47.5**	50.0	50.0		**93**	**95**	81-119	2	11	
Surrogate:											
Fluorobenzene						*89*	*89*	*65-122*			

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-36-10.0**					
Laboratory ID:	07-105-08					
Diesel Range Organics	**ND**	33	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*70*	*50-150*				
Client ID:	**FB-36-10.0**					
Laboratory ID:	07-105-08					
Diesel Range Organics	**ND**	33	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*71*	*50-150*				
Client ID:	**FB-36-13.0**					
Laboratory ID:	07-105-09					
Diesel Range Organics	**ND**	39	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	79	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**FB-36-13.0**					
Laboratory ID:	07-105-09					
Diesel Range Organics	**ND**	39	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	79	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*77*	*50-150*				
Client ID:	**FB-36-18.0**					
Laboratory ID:	07-105-10					
Diesel Range Organics	**ND**	33	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*71*	*50-150*				
Client ID:	**FB-36-18.0**					
Laboratory ID:	07-105-10					
Diesel Range Organics	**ND**	33	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	67	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*70*	*50-150*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-25-5.0**					
Laboratory ID:	07-105-17					
Diesel Range Organics	**ND**	34	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	68	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*75*	*50-150*				
Client ID:	**MW-25-5.0**					
Laboratory ID:	07-105-17					
Diesel Range Organics	**ND**	34	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	68	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*76*	*50-150*				
Client ID:	**MW-25-10.0**					
Laboratory ID:	07-105-18					
Diesel Range Organics	**ND**	31	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*78*	*50-150*				
Client ID:	**MW-25-10.0**					
Laboratory ID:	07-105-18					
Diesel Range Organics	**ND**	31	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**MW-25-15.0**					
Laboratory ID:	07-105-19					
Diesel Range Organics	**ND**	32	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	63	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**MW-25-15.0**					
Laboratory ID:	07-105-19					
Diesel Range Organics	**ND**	32	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	63	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-25-17.0**					
Laboratory ID:	07-105-20					
Diesel Range Organics	**ND**	31	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				
Client ID:	**MW-25-17.0**					
Laboratory ID:	07-105-20					
Diesel Range Organics	**ND**	31	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*79*	*50-150*				
Client ID:	**FB-35-10.0**					
Laboratory ID:	07-105-22					
Diesel Range Organics	**ND**	31	NWTPH-Dx	7-18-23	7-19-23	
Lube Oil Range Organics	**ND**	61	NWTPH-Dx	7-18-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				
Client ID:	**FB-35-10.0**					
Laboratory ID:	07-105-22					
Diesel Range Organics	**ND**	31	NWTPH-Dx	7-18-23	7-19-23	X2
Lube Oil Range Organics	**ND**	61	NWTPH-Dx	7-18-23	7-19-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				
Client ID:	**FB-35-11.5**					
Laboratory ID:	07-105-23					
Diesel Range Organics	**ND**	32	NWTPH-Dx	7-18-23	7-19-23	
Lube Oil Range Organics	**ND**	64	NWTPH-Dx	7-18-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				
Client ID:	**FB-35-11.5**					
Laboratory ID:	07-105-23					
Diesel Range Organics	**ND**	32	NWTPH-Dx	7-18-23	7-19-23	X2
Lube Oil Range Organics	**ND**	64	NWTPH-Dx	7-18-23	7-19-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0718S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*77*	*50-150*				
Laboratory ID:	MB0718S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	07-120-05									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	40	
Lube Oil	**59.9**	**ND**	NA	NA		NA	NA	NA	40	
Surrogate:										
o-Terphenyl						*84* *79*	*50-150*			
Laboratory ID:	07-120-05									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	40	X2
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	40	X2
Surrogate:										
o-Terphenyl						*83* *81*	*50-150*			

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-36-10.0**					
Laboratory ID:	07-105-08					
DRO/LRO C10-C36	**ND**	67	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*70*	*50-150*				
Client ID:	**FB-36-10.0**					
Laboratory ID:	07-105-08					
DRO/LRO C10-C36	**ND**	67	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*71*	*50-150*				
Client ID:	**FB-36-13.0**					
Laboratory ID:	07-105-09					
DRO/LRO C10-C36	**ND**	79	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**FB-36-13.0**					
Laboratory ID:	07-105-09					
DRO/LRO C10-C36	**ND**	79	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*77*	*50-150*				
Client ID:	**FB-36-18.0**					
Laboratory ID:	07-105-10					
DRO/LRO C10-C36	**ND**	67	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*71*	*50-150*				
Client ID:	**FB-36-18.0**					
Laboratory ID:	07-105-10					
DRO/LRO C10-C36	**ND**	67	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*70*	*50-150*				
Client ID:	**MW-25-5.0**					
Laboratory ID:	07-105-17					
DRO/LRO C10-C36	**ND**	68	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*75*	*50-150*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-25-5.0**					
Laboratory ID:	07-105-17					
DRO/LRO C10-C36	**ND**	68	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*76*	*50-150*				
Client ID:	**MW-25-10.0**					
Laboratory ID:	07-105-18					
DRO/LRO C10-C36	**ND**	62	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*78*	*50-150*				
Client ID:	**MW-25-10.0**					
Laboratory ID:	07-105-18					
DRO/LRO C10-C36	**ND**	62	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**MW-25-15.0**					
Laboratory ID:	07-105-19					
DRO/LRO C10-C36	**ND**	63	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**MW-25-15.0**					
Laboratory ID:	07-105-19					
DRO/LRO C10-C36	**ND**	63	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**MW-25-17.0**					
Laboratory ID:	07-105-20					
DRO/LRO C10-C36	**ND**	62	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				
Client ID:	**MW-25-17.0**					
Laboratory ID:	07-105-20					
DRO/LRO C10-C36	**ND**	62	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*79*	*50-150*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-35-10.0**					
Laboratory ID:	07-105-22					
DRO/LRO C10-C36	**ND**	61	NWTPH-Dx	7-18-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				
Client ID:	**FB-35-10.0**					
Laboratory ID:	07-105-22					
DRO/LRO C10-C36	**ND**	61	NWTPH-Dx	7-18-23	7-19-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				
Client ID:	**FB-35-11.5**					
Laboratory ID:	07-105-23					
DRO/LRO C10-C36	**ND**	64	NWTPH-Dx	7-18-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				
Client ID:	**FB-35-11.5**					
Laboratory ID:	07-105-23					
DRO/LRO C10-C36	**ND**	64	NWTPH-Dx	7-18-23	7-19-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0718S1					
DRO/LRO C10-C36	**ND**	50	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*77*	*50-150*				
Laboratory ID:	MB0718S1					
DRO/LRO C10-C36	**ND**	50	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-120-05										
	ORIG	DUP									
DRO/LRO C10-C36	**ND**	**ND**	NA	NA		NA		NA	NA	40	X2
Surrogate:											
o-Terphenyl						*83*	*81*	*50-150*			
Laboratory ID:	07-120-05										
	ORIG	DUP									
DRO/LRO C10-C36	**ND**	**ND**	NA	NA		NA		NA	NA	40	
Surrogate:											
o-Terphenyl						*84*	*79*	*50-150*			

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-32-RGW**					
Laboratory ID:	07-105-14					
Diesel Range Organics	**4.6**	0.13	NWTPH-Dx	7-18-23	7-18-23	M
Lube Oil Range Organics	**0.70**	0.21	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**FB-32-RGW**					
Laboratory ID:	07-105-14					
Diesel Range Organics	**ND**	1.1	NWTPH-Dx	7-18-23	7-18-23	M1,U1,X2
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**FB-31-RGW**					
Laboratory ID:	07-105-15					
Diesel Range Organics	**0.44**	0.13	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**0.67**	0.20	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*50-150*				
Client ID:	**FB-31-RGW**					
Laboratory ID:	07-105-15					
Diesel Range Organics	**ND**	0.13	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**FB-34-RGW**					
Laboratory ID:	07-105-16					
Diesel Range Organics	**0.14**	0.13	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**0.39**	0.21	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*71*	*50-150*				
Client ID:	**FB-34-RGW**					
Laboratory ID:	07-105-16					
Diesel Range Organics	**ND**	0.13	NWTPH-Dx	7-18-23	7-19-23	X2
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	7-18-23	7-19-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*69*	*50-150*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0718W1					
Diesel Range Organics	**ND**	0.10	NWTPH-Dx	7-18-23	7-18-23	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Laboratory ID:	MB0718W1					
Diesel Range Organics	**ND**	0.10	NWTPH-Dx	7-18-23	7-18-23	X2
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*130*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0718W1										
	ORIG	DUP									
Diesel Fuel #2	**0.347**	**0.322**	NA	NA		NA		NA	7	40	
Surrogate:											
o-Terphenyl						*82*	*78*	*50-150*			
Laboratory ID:	SB0718W1										
	ORIG	DUP									
Diesel Fuel #2	**0.328**	**0.315**	NA	NA		NA		NA	4	40	X2
Surrogate:											
o-Terphenyl						*83*	*81*	*50-150*			

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-32-RGW**					
Laboratory ID:	07-105-14					
DRO/LRO C10-C36	**4.1**	0.26	NWTPH-Dx	7-18-23	7-18-23	M
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**FB-32-RGW**					
Laboratory ID:	07-105-14					
DRO/LRO C10-C36	**ND**	0.97	NWTPH-Dx	7-18-23	7-18-23	M1,U1,X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*74*	*50-150*				
Client ID:	**FB-31-RGW**					
Laboratory ID:	07-105-15					
DRO/LRO C10-C36	**0.75**	0.26	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*108*	*50-150*				
Client ID:	**FB-31-RGW**					
Laboratory ID:	07-105-15					
DRO/LRO C10-C36	**ND**	0.26	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**FB-34-RGW**					
Laboratory ID:	07-105-16					
DRO/LRO C10-C36	**0.33**	0.26	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*71*	*50-150*				
Client ID:	**FB-34-RGW**					
Laboratory ID:	07-105-16					
DRO/LRO C10-C36	**ND**	0.26	NWTPH-Dx	7-18-23	7-19-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*69*	*50-150*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0718W1					
DRO/LRO C10-C36	**ND**	0.20	NWTPH-Dx	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Laboratory ID:	MB0718W1					
DRO/LRO C10-C36	**ND**	0.20	NWTPH-Dx	7-18-23	7-18-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*130*	*50-150*				

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	SB0718W1								
	ORIG	DUP							
DRO/LRO C10-C36	**0.304**	**0.275**	NA	NA	NA	NA	10	40	
Surrogate:									
o-Terphenyl					*82*	*78* *50-150*			
Laboratory ID:	SB0718W1								
	ORIG	DUP							
DRO/LRO C10-C36	**0.299**	**0.291**	NA	NA	NA	NA	3	40	X2
Surrogate:									
o-Terphenyl					*83*	*81* *50-150*			

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-32-RGW**					
Laboratory ID:	07-105-14					
Dichlorodifluoromethane	ND	10	EPA 8260D	7-17-23	7-17-23	
Chloromethane	ND	50	EPA 8260D	7-17-23	7-17-23	
Vinyl Chloride	ND	10	EPA 8260D	7-17-23	7-17-23	
Bromomethane	ND	50	EPA 8260D	7-17-23	7-17-23	
Chloroethane	ND	50	EPA 8260D	7-17-23	7-17-23	
Trichlorofluoromethane	ND	10	EPA 8260D	7-17-23	7-17-23	
1,1-Dichloroethene	ND	10	EPA 8260D	7-17-23	7-17-23	
Iodomethane	ND	250	EPA 8260D	7-17-23	7-17-23	
Methylene Chloride	ND	50	EPA 8260D	7-17-23	7-17-23	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,1-Dichloroethane	ND	10	EPA 8260D	7-17-23	7-17-23	
2,2-Dichloropropane	ND	10	EPA 8260D	7-17-23	7-17-23	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260D	7-17-23	7-17-23	
Bromochloromethane	ND	10	EPA 8260D	7-17-23	7-17-23	
Chloroform	ND	10	EPA 8260D	7-17-23	7-17-23	
1,1,1-Trichloroethane	ND	10	EPA 8260D	7-17-23	7-17-23	
Carbon Tetrachloride	ND	10	EPA 8260D	7-17-23	7-17-23	
1,1-Dichloropropene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,2-Dichloroethane	820	10	EPA 8260D	7-17-23	7-17-23	
Trichloroethene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,2-Dichloropropane	ND	10	EPA 8260D	7-17-23	7-17-23	
Dibromomethane	ND	10	EPA 8260D	7-17-23	7-17-23	
Bromodichloromethane	ND	10	EPA 8260D	7-17-23	7-17-23	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260D	7-17-23	7-17-23	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,1,2-Trichloroethane	39	10	EPA 8260D	7-17-23	7-17-23	
Tetrachloroethene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,3-Dichloropropane	ND	10	EPA 8260D	7-17-23	7-17-23	
Dibromochloromethane	ND	10	EPA 8260D	7-17-23	7-17-23	
1,2-Dibromoethane	ND	10	EPA 8260D	7-17-23	7-17-23	
Chlorobenzene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260D	7-17-23	7-17-23	
Bromoform	ND	50	EPA 8260D	7-17-23	7-17-23	

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-32-RGW**					
Laboratory ID:	07-105-14					
Bromobenzene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260D	7-17-23	7-17-23	
1,2,3-Trichloropropane	ND	10	EPA 8260D	7-17-23	7-17-23	
2-Chlorotoluene	ND	10	EPA 8260D	7-17-23	7-17-23	
4-Chlorotoluene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,3-Dichlorobenzene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,4-Dichlorobenzene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,2-Dichlorobenzene	ND	10	EPA 8260D	7-17-23	7-17-23	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260D	7-17-23	7-17-23	
1,2,4-Trichlorobenzene	ND	10	EPA 8260D	7-17-23	7-17-23	
Hexachlorobutadiene	ND	50	EPA 8260D	7-17-23	7-17-23	
1,2,3-Trichlorobenzene	ND	10	EPA 8260D	7-17-23	7-17-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*106*	*78-125*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-31-RGW**					
Laboratory ID:	07-105-15					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chloromethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Vinyl Chloride	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromomethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Chloroethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Iodomethane	ND	6.5	EPA 8260D	7-18-23	7-18-23	
Methylene Chloride	ND	1.0	EPA 8260D	7-18-23	7-18-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromochloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chloroform	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Trichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Dibromomethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromodichloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Tetrachloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Dibromochloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromoform	ND	1.0	EPA 8260D	7-18-23	7-18-23	

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-31-RGW**					
Laboratory ID:	07-105-15					
Bromobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	7-18-23	7-18-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*105*	*78-125*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-34-RGW**					
Laboratory ID:	07-105-16					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chloromethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Vinyl Chloride	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromomethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Chloroethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Iodomethane	ND	6.5	EPA 8260D	7-18-23	7-18-23	
Methylene Chloride	ND	1.0	EPA 8260D	7-18-23	7-18-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromochloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chloroform	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Trichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Dibromomethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromodichloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Tetrachloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Dibromochloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromoform	ND	1.0	EPA 8260D	7-18-23	7-18-23	

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-34-RGW**					
Laboratory ID:	07-105-16					
Bromobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	7-18-23	7-18-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

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:	MB0717W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Chloromethane	ND	1.0	EPA 8260D	7-17-23	7-17-23	
Vinyl Chloride	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Bromomethane	ND	1.0	EPA 8260D	7-17-23	7-17-23	
Chloroethane	ND	1.0	EPA 8260D	7-17-23	7-17-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Iodomethane	ND	5.0	EPA 8260D	7-17-23	7-17-23	
Methylene Chloride	ND	1.0	EPA 8260D	7-17-23	7-17-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Bromochloromethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Chloroform	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Trichloroethene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Dibromomethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Bromodichloromethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Tetrachloroethene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Dibromochloromethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Chlorobenzene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Bromoform	ND	1.0	EPA 8260D	7-17-23	7-17-23	

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0717W1					
Bromobenzene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	7-17-23	7-17-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	7-17-23	7-17-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	7-17-23	7-17-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	7-17-23	7-17-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*106*	*78-125*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

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:	MB0718W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chloromethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Vinyl Chloride	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromomethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Chloroethane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Iodomethane	ND	6.5	EPA 8260D	7-18-23	7-18-23	
Methylene Chloride	ND	1.0	EPA 8260D	7-18-23	7-18-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromochloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chloroform	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Trichloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Dibromomethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromodichloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Tetrachloroethene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Dibromochloromethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Chlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Bromoform	ND	1.0	EPA 8260D	7-18-23	7-18-23	

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0718W1					
Bromobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	7-18-23	7-18-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	7-18-23	7-18-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	7-18-23	7-18-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	7-18-23	7-18-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*105*	*78-125*				

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0717W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**11.2**	**10.6**	10.0	10.0	112	106	34-166	6	21	
Chloromethane	**10.8**	**10.9**	10.0	10.0	108	109	63-138	1	18	
Vinyl Chloride	**9.32**	**9.24**	10.0	10.0	93	92	71-135	1	20	
Bromomethane	**10.2**	**11.0**	10.0	10.0	102	110	20-151	8	36	
Chloroethane	**9.12**	**9.17**	10.0	10.0	91	92	76-125	1	20	
Trichlorofluoromethane	**9.43**	**9.64**	10.0	10.0	94	96	75-131	2	19	
1,1-Dichloroethene	**8.61**	**8.78**	10.0	10.0	86	88	78-125	2	19	
Iodomethane	**8.27**	**8.91**	10.0	10.0	83	89	10-155	7	40	
Methylene Chloride	**8.87**	**8.96**	10.0	10.0	89	90	80-120	1	15	
(trans) 1,2-Dichloroethene	**8.85**	**9.02**	10.0	10.0	89	90	80-125	2	17	
1,1-Dichloroethane	**8.50**	**8.65**	10.0	10.0	85	87	80-125	2	17	
2,2-Dichloropropane	**9.78**	**10.2**	10.0	10.0	98	102	80-146	4	21	
(cis) 1,2-Dichloroethene	**9.24**	**9.38**	10.0	10.0	92	94	80-129	2	17	
Bromochloromethane	**10.1**	**10.2**	10.0	10.0	101	102	80-125	1	18	
Chloroform	**8.61**	**8.79**	10.0	10.0	86	88	80-123	2	16	
1,1,1-Trichloroethane	**8.68**	**8.79**	10.0	10.0	87	88	80-123	1	18	
Carbon Tetrachloride	**8.32**	**8.51**	10.0	10.0	83	85	80-126	2	17	
1,1-Dichloropropene	**8.38**	**8.68**	10.0	10.0	84	87	80-126	4	18	
1,2-Dichloroethane	**9.73**	**9.54**	10.0	10.0	97	95	80-124	2	15	
Trichloroethene	**8.52**	**8.64**	10.0	10.0	85	86	80-122	1	18	
1,2-Dichloropropane	**8.60**	**8.57**	10.0	10.0	86	86	80-123	0	15	
Dibromomethane	**9.87**	**9.53**	10.0	10.0	99	95	80-123	4	15	
Bromodichloromethane	**9.19**	**9.13**	10.0	10.0	92	91	80-125	1	15	
(cis) 1,3-Dichloropropene	**9.63**	**9.55**	10.0	10.0	96	96	80-129	1	15	
(trans) 1,3-Dichloropropene	**8.68**	**8.58**	10.0	10.0	87	86	80-134	1	17	
1,1,2-Trichloroethane	**10.0**	**9.79**	10.0	10.0	100	98	77-126	2	20	
Tetrachloroethene	**8.95**	**9.06**	10.0	10.0	90	91	80-124	1	18	
1,3-Dichloropropane	**9.62**	**9.48**	10.0	10.0	96	95	80-120	1	15	
Dibromochloromethane	**10.3**	**10.1**	10.0	10.0	103	101	80-128	2	15	
1,2-Dibromoethane	**10.7**	**10.4**	10.0	10.0	107	104	80-127	3	15	
Chlorobenzene	**8.61**	**8.78**	10.0	10.0	86	88	80-120	2	17	
1,1,1,2-Tetrachloroethane	**9.14**	**9.19**	10.0	10.0	91	92	80-125	1	17	
Bromoform	**10.2**	**10.1**	10.0	10.0	102	101	80-130	1	15	

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0717W1									
	SB	SBD	SB	SBD	SB	SBD				
Bromobenzene	**9.59**	**9.45**	10.0	10.0	96	95	76-128	1	16	
1,1,2,2-Tetrachloroethane	**11.0**	**10.4**	10.0	10.0	110	104	74-130	6	15	
1,2,3-Trichloropropane	**9.98**	**9.56**	10.0	10.0	100	96	71-129	4	25	
2-Chlorotoluene	**9.00**	**8.77**	10.0	10.0	90	88	80-128	3	18	
4-Chlorotoluene	**9.15**	**9.11**	10.0	10.0	92	91	80-130	0	19	
1,3-Dichlorobenzene	**9.36**	**9.16**	10.0	10.0	94	92	80-126	2	17	
1,4-Dichlorobenzene	**9.19**	**9.03**	10.0	10.0	92	90	80-121	2	17	
1,2-Dichlorobenzene	**9.55**	**9.33**	10.0	10.0	96	93	79-125	2	15	
1,2-Dibromo-3-chloropropane	**10.9**	**10.4**	10.0	10.0	109	104	73-133	5	15	
1,2,4-Trichlorobenzene	**9.48**	**9.44**	10.0	10.0	95	94	80-139	0	18	
Hexachlorobutadiene	**8.46**	**8.56**	10.0	10.0	85	86	80-151	1	18	
1,2,3-Trichlorobenzene	**9.22**	**9.13**	10.0	10.0	92	91	75-146	1	28	
Surrogate:										
Dibromofluoromethane					*104*	*104*	*75-127*			
Toluene-d8					*99*	*100*	*80-127*			
4-Bromofluorobenzene					*108*	*108*	*78-125*			

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0718W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**10.6**	**10.8**	10.0	10.0	106	108	34-166	2	21	
Chloromethane	**10.9**	**11.7**	10.0	10.0	109	117	63-138	7	18	
Vinyl Chloride	**9.62**	**9.99**	10.0	10.0	96	100	71-135	4	20	
Bromomethane	**10.7**	**12.6**	10.0	10.0	107	126	20-151	16	36	
Chloroethane	**9.68**	**9.96**	10.0	10.0	97	100	76-125	3	20	
Trichlorofluoromethane	**9.90**	**10.5**	10.0	10.0	99	105	75-131	6	19	
1,1-Dichloroethene	**9.07**	**9.53**	10.0	10.0	91	95	78-125	5	19	
Iodomethane	**7.72**	**10.0**	10.0	10.0	77	100	10-155	26	40	
Methylene Chloride	**9.49**	**9.81**	10.0	10.0	95	98	80-120	3	15	
(trans) 1,2-Dichloroethene	**9.38**	**9.83**	10.0	10.0	94	98	80-125	5	17	
1,1-Dichloroethane	**9.16**	**9.52**	10.0	10.0	92	95	80-125	4	17	
2,2-Dichloropropane	**10.3**	**11.1**	10.0	10.0	103	111	80-146	7	21	
(cis) 1,2-Dichloroethene	**9.76**	**10.3**	10.0	10.0	98	103	80-129	5	17	
Bromochloromethane	**10.8**	**11.1**	10.0	10.0	108	111	80-125	3	18	
Chloroform	**9.28**	**9.59**	10.0	10.0	93	96	80-123	3	16	
1,1,1-Trichloroethane	**9.22**	**9.67**	10.0	10.0	92	97	80-123	5	18	
Carbon Tetrachloride	**8.90**	**9.33**	10.0	10.0	89	93	80-126	5	17	
1,1-Dichloropropene	**8.88**	**9.52**	10.0	10.0	89	95	80-126	7	18	
1,2-Dichloroethane	**10.2**	**10.3**	10.0	10.0	102	103	80-124	1	15	
Trichloroethene	**8.89**	**9.38**	10.0	10.0	89	94	80-122	5	18	
1,2-Dichloropropane	**8.85**	**9.25**	10.0	10.0	89	93	80-123	4	15	
Dibromomethane	**9.99**	**10.2**	10.0	10.0	100	102	80-123	2	15	
Bromodichloromethane	**9.44**	**9.75**	10.0	10.0	94	98	80-125	3	15	
(cis) 1,3-Dichloropropene	**9.87**	**10.2**	10.0	10.0	99	102	80-129	3	15	
(trans) 1,3-Dichloropropene	**8.76**	**8.90**	10.0	10.0	88	89	80-134	2	17	
1,1,2-Trichloroethane	**9.99**	**10.3**	10.0	10.0	100	103	77-126	3	20	
Tetrachloroethene	**8.89**	**9.67**	10.0	10.0	89	97	80-124	8	18	
1,3-Dichloropropane	**9.67**	**9.88**	10.0	10.0	97	99	80-120	2	15	
Dibromochloromethane	**10.3**	**10.5**	10.0	10.0	103	105	80-128	2	15	
1,2-Dibromoethane	**10.4**	**10.8**	10.0	10.0	104	108	80-127	4	15	
Chlorobenzene	**8.79**	**9.23**	10.0	10.0	88	92	80-120	5	17	
1,1,1,2-Tetrachloroethane	**9.23**	**9.73**	10.0	10.0	92	97	80-125	5	17	
Bromoform	**9.87**	**10.4**	10.0	10.0	99	104	80-130	5	15	

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0718W1									
	SB	SBD	SB	SBD	SB	SBD				
Bromobenzene	**9.28**	**9.87**	10.0	10.0	93	99	76-128	6	16	
1,1,2,2-Tetrachloroethane	**10.3**	**10.9**	10.0	10.0	103	109	74-130	6	15	
1,2,3-Trichloropropane	**9.31**	**9.94**	10.0	10.0	93	99	71-129	7	25	
2-Chlorotoluene	**8.74**	**9.40**	10.0	10.0	87	94	80-128	7	18	
4-Chlorotoluene	**8.95**	**9.72**	10.0	10.0	90	97	80-130	8	19	
1,3-Dichlorobenzene	**9.01**	**9.69**	10.0	10.0	90	97	80-126	7	17	
1,4-Dichlorobenzene	**8.78**	**9.59**	10.0	10.0	88	96	80-121	9	17	
1,2-Dichlorobenzene	**9.25**	**9.87**	10.0	10.0	93	99	79-125	6	15	
1,2-Dibromo-3-chloropropane	**9.73**	**10.4**	10.0	10.0	97	104	73-133	7	15	
1,2,4-Trichlorobenzene	**9.12**	**9.89**	10.0	10.0	91	99	80-139	8	18	
Hexachlorobutadiene	**8.09**	**9.16**	10.0	10.0	81	92	80-151	12	18	
1,2,3-Trichlorobenzene	**8.65**	**9.55**	10.0	10.0	87	96	75-146	10	28	
Surrogate:										
Dibromofluoromethane					*109*	*107*	*75-127*			
Toluene-d8					*101*	*101*	*80-127*			
4-Bromofluorobenzene					*109*	*108*	*78-125*			

Date of Report: July 20, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105
Project: 1355-001

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FB-33-10.0	07-105-02	**23**	7-19-23
FB-32-10.0	07-105-05	**26**	7-19-23
FB-36-10.0	07-105-08	**25**	7-19-23
FB-36-13.0	07-105-09	**37**	7-19-23
FB-36-18.0	07-105-10	**25**	7-19-23
FB-34-10.0	07-105-12	**28**	7-19-23
MW-25-5.0	07-105-17	**27**	7-19-23
MW-25-10.0	07-105-18	**20**	7-19-23
MW-25-15.0	07-105-19	**21**	7-19-23
MW-25-17.0	07-105-20	**19**	7-19-23
FB-35-10.0	07-105-22	**19**	7-19-23
FB-35-11.5	07-105-23	**22**	7-19-23

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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

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

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

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

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

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

I - Compound recovery is outside of the control limits.

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

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

L - The RPD is outside of the control limits.

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

M1 - Hydrocarbons in the gasoline range (toluene-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.

X2 - Sample extract treated with a 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.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

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

Chain of Custody

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

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres ~~Trust~~ CVS Tract
Project Manager: Stuart Brown
Sampled by: C. van Stolk

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
☒ ~~Standard (7 Days)~~ D1
☐ _____ (other)

Laboratory Number: 07-105

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☒ w/o w/)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664		DRO/RRO combined with and without SG clean-up		% Moisture
1	FB-33-6.0	7/13/23	1058	soil	2																					
2	FB-33-10.0		1110				X																			X
3	FB-33-15.0		1135																							
4	FB-32-5.0		1145																							
5	FB-32-10.0		1150				X																			X
6	FB-32-15.0		1200																							
7	FB-36-7.0		1455																							
8	FB-36-10.0		1435				X		X															X		X
9	FB-36-13.0		1450				X		X															X		
10	FB-36-18.0	▽	1500	▽	▽		X		X															X		▽

	Signature	Company	Date	Time
Relinquished	Courtney Vanstolk	Farallon	7/14/23	1845
Received		OSE	7/14/23	1845
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~Dropped off in trailer,~~ coordinated w/ D. Baumeister DJ

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

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

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres Tract
Project Manager: Stuart Brown
Sampled by: C. van Stolk

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
~~☑ Standard (7 Days)~~ DB
☐ _____ (other)

Laboratory Number: 07-105

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☒) w/ + w/o	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664		DRO/RRO COMBINED WITH AND WITHOUT SG Clean-up			% Moisture
11	FB-34-8.0	7/13	1538	soil	2																						
12	FB-34-10.0	"	1545	"	"		X																				X
13	FB-34-15.0	"	1554	"	"																						
14	FB-32-RGW	"	1345	GW	7		X		X		(X)													X			
15	FB-31-RGW	"	1445	"	"		X		X		(X)													X			
16	FB-34-RGW	7/14	1035	"	"		X		X		(X)													X			
17	MW-25-5.0	"	1125	soil	2		X		X															X			X
18	MW-25-10.0	"	1130	"	"		X		X															X			
19	MW-25-15.0	"	1140	"	"		X		X															X			
20	MW-25-~~20.0~~ 17.0 DB	"	1145	"	"		X		X															X			

	Signature	Company	Date	Time
Relinquished	Courtney Angstrom	Farallon	7/14/23	1845
Received		CORE	7/14/23	1845
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~Dropped off in trailer~~ DB

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

Chain of Custody

Page 3 of 3

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

Laboratory Number: 07-105

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres Tract
Project Manager: Stuart Brown
Sampled by: C. van Stolk

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days DB
☑ ~~Standard (7 Days)~~
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 & 8260)	NWTPH-Gx	NWTPH-Dx (SG Clean-up)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664		HOLD	D20/PRO Combined w/ HCID AND WITHOUT SG cleanup		% Moisture
21	FB-35-6.0	7/14	1706	soil	2		X DB		X DB															X			DB
22	FB-35-10.0	↓	1705	↓	↓		X		X																X		
23	FB-35-11.5	↓	1710	↓	↓		X		X																X		

	Signature	Company	Date	Time
Relinquished	Courtney Gustitus	Farallon	7/14/13	1845
Received		ORE	7/14/13	1845
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Dropped off in trailer, coordinated w/ D. Baumeister DB

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

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

July 26, 2023

Stuart Brown
Farallon Consulting
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2307-105B

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on July 14, 2023.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 26, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105B
Project: 1355-001

Case Narrative

Samples were collected on July 13 and 14, 2023 and received by the laboratory on July 14, 2023. 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.

Volatiles EPA 8260D Analysis

Method 5035A VOA vials containing stir bars were not provided for the low-level analysis of samples FB-32-5.0, FB-32-10.0 and FB-32-15.0. The samples were therefore extracted from 4-ounce jars. 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.

Date of Report: July 26, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105B
Project: 1355-001

VOLATILE ORGANICS EPA 8260D

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-32-5.0**					
Laboratory ID:	07-105-04					
1,2-Dichloroethane	ND	0.0022	EPA 8260D	7-25-23	7-25-23	
1,1,2-Trichloroethane	ND	0.0022	EPA 8260D	7-25-23	7-25-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*75-130*				
Toluene-d8	*126*	*78-128*				
4-Bromofluorobenzene	*121*	*71-130*				
Client ID:	**FB-32-10.0**					
Laboratory ID:	07-105-05					
1,2-Dichloroethane	ND	0.013	EPA 8260D	7-25-23	7-25-23	
1,1,2-Trichloroethane	ND	0.013	EPA 8260D	7-25-23	7-25-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*75-130*				
Toluene-d8	*107*	*78-128*				
4-Bromofluorobenzene	*113*	*71-130*				
Client ID:	**FB-32-15.0**					
Laboratory ID:	07-105-06					
1,2-Dichloroethane	ND	0.011	EPA 8260D	7-25-23	7-25-23	
1,1,2-Trichloroethane	ND	0.011	EPA 8260D	7-25-23	7-25-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*87*	*75-130*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*103*	*71-130*				

Date of Report: July 26, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105B
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0725S1					
1,2-Dichloroethane	ND	0.0010	EPA 8260D	7-25-23	7-25-23	
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	7-25-23	7-25-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-130*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*102*	*71-130*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0725S1									
	SB	SBD	SB	SBD	SB	SBD				
1,2-Dichloroethane	**0.0495**	**0.0505**	0.0500	0.0500	99	101	75-124	2	15	
1,1,2-Trichloroethane	**0.0492**	**0.0530**	0.0500	0.0500	98	106	80-120	7	15	
Surrogate:										
Dibromofluoromethane					*90*	*91*	*75-130*			
Toluene-d8					*99*	*100*	*78-128*			
4-Bromofluorobenzene					*99*	*98*	*71-130*			

Date of Report: July 26, 2023
Samples Submitted: July 14, 2023
Laboratory Reference: 2307-105B
Project: 1355-001

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FB-32-5.0	07-105-04	**25**	7-25-23
FB-32-10.0	07-105-05	**26**	7-19-23
FB-32-15.0	07-105-06	**25**	7-25-23

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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

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

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

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

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

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

I - Compound recovery is outside of the control limits.

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

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

L - The RPD is outside of the control limits.

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

M1 - Hydrocarbons in the gasoline range (toluene-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.

X2 - Sample extract treated with a 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.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

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

Chain of Custody

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

Laboratory Number: 07-105

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres ~~Trust~~ CWS Tract
Project Manager: Stuart Brown
Sampled by: C. van Stolk

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

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☒ w/ + w/o)	Volatiles 8260	Halogenated Volatiles 8260 *	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664		DRO/ORO combined WITH AND WITHOUT SG clean-up			% Moisture
1	FB-33-6.0	7/13/23	1058	soil	2																						
2	FB-33-10.0		1110				X																				X
3	FB-33-15.0		1135																								
4	FB-32-5.0		1145								O																O
5	FB-32-10.0		1150				X				O																X
6	FB-32-15.0		1200								O																O
7	FB-36-7.0		1455																								
8	FB-36-10.0		1435				X		X															X			X
9	FB-36-13.0		1450				X		X															X			
10	FB-36-18.0	▽	1500	▽	▽		X		X															X			↓

	Signature	Company	Date	Time
Relinquished	Courtney VanStolk	Farallon	7/14/23	1845
Received		CORE	7/14/23	1845
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~Dropped off in trailer,~~ coordinated w/ D. Baumeister DJ
(X) Added 7/17/23. DB (3 day)
O Added 7/25/23. DB (1 day TAT)
* 1,2-Dichloroethane and 1,1,2-Trichloroethane

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

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

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres Tract
Project Manager: Stuart Brown
Sampled by: C. van Stolk

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
~~☑ Standard (7 Days)~~ DJ
☐ _____ (other)

Laboratory Number: 07-105

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☒) w/ + w/o	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664		D20/220 COMBINED WITH AND WITHOUT SG Cleanup			% Moisture
11	FB-34-8.0	7/13	1538	soil	2																						
12	FB-34-10.0	↓	1545	↓	↓		X																				X
13	FB-34-15.0		1554																								
14	FB-32-RGW		1345	GW	7		X		X		(X)													X			
15	FB-31-RGW		1445	"	"		X		X		(X)													X			
16	FB-34-RGW	7/14	1035	"	"		X		X		(X)													X			
17	MW-25-5.0		1125	soil	2		X		X															X			X
18	MW-25-10.0		1130				X		X															X			
19	MW-25-15.0		1140				X		X															X			
20	MW-25-~~20.0~~ 17.0 DJ	↓	1145	↓	↓		X		X															X			

	Signature	Company	Date	Time
Relinquished	Courtney Angstrom	Farallon	7/14/23	1845
Received		ORE	7/14/23	1845
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~Dropped off in trailer~~ DJ

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

Chain of Custody

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

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres Tract
Project Manager: Stuart Brown
Sampled by: C. van Stolk

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
~~☑ Standard (7 Days)~~ DB
☐ _____ (other)

Laboratory Number: 07-105

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☑ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ~~☑~~ ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664		HOLD	DRO/RRO Combined w/ SG Clean-up		% Moisture
21	FB-35-6.0	7/14	1706	soil	2		~~X~~ DB		~~X~~ DB															X			~~X~~ AD
22	FB-35-10.0	↓	1705	↓	↓		X		X																X		
23	FB-35-11.5	↓	1710	↓	↓		X		X																X		

	Signature	Company	Date	Time
Relinquished	Courtney Gustitus	Farallon	7/14/13	1845
Received		ORE	7/14/13	1845
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Dropped off in trailer, coordinated w/ D. Baumeister DB

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

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

July 20, 2023

Stuart Brown
Farallon Consulting
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2307-127

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on July 19, 2023.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

Case Narrative

Samples were collected on July 17 and 18, 2023 and received by the laboratory on July 19, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-10.0**					
Laboratory ID:	07-127-02					
Dichlorodifluoromethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Chloromethane	ND	0.0049	EPA 8260D	7-19-23	7-19-23	
Vinyl Chloride	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Chloroethane	ND	0.0049	EPA 8260D	7-19-23	7-19-23	
Trichlorofluoromethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Methylene Chloride	ND	0.0049	EPA 8260D	7-19-23	7-19-23	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
2,2-Dichloropropane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Bromochloromethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Chloroform	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Carbon Tetrachloride	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloropropene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloroethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Trichloroethene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloropropane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Bromodichloromethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260D	7-19-23	7-19-23	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,1,2-Trichloroethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Tetrachloroethene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,3-Dichloropropane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Dibromochloromethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Chlorobenzene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
2-Chlorotoluene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
4-Chlorotoluene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-10.0**					
Laboratory ID:	07-127-02					
1,3-Dichlorobenzene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260D	7-19-23	7-19-23	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Hexachlorobutadiene	ND	0.0049	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260D	7-19-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*75-130*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*101*	*71-130*				

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-15.0**					
Laboratory ID:	07-127-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Chloromethane	ND	0.0058	EPA 8260D	7-19-23	7-19-23	
Vinyl Chloride	0.014	0.0012	EPA 8260D	7-19-23	7-19-23	
Chloroethane	ND	0.0058	EPA 8260D	7-19-23	7-19-23	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Methylene Chloride	ND	0.0058	EPA 8260D	7-19-23	7-19-23	
(trans) 1,2-Dichloroethene	0.0017	0.0012	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
(cis) 1,2-Dichloroethene	0.015	0.0012	EPA 8260D	7-19-23	7-19-23	
Bromochloromethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Chloroform	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Trichloroethene	0.014	0.0012	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Bromodichloromethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260D	7-19-23	7-19-23	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Tetrachloroethene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Dibromochloromethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Chlorobenzene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
2-Chlorotoluene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
4-Chlorotoluene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-15.0**					
Laboratory ID:	07-127-03					
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260D	7-19-23	7-19-23	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Hexachlorobutadiene	ND	0.0058	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	7-19-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-130*				
Toluene-d8	*98*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-25.0**					
Laboratory ID:	07-127-04					
Dichlorodifluoromethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Chloromethane	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
Vinyl Chloride	0.0014	0.00099	EPA 8260D	7-19-23	7-19-23	
Chloroethane	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
Trichlorofluoromethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Methylene Chloride	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
(trans) 1,2-Dichloroethene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
2,2-Dichloropropane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
(cis) 1,2-Dichloroethene	0.0015	0.00099	EPA 8260D	7-19-23	7-19-23	
Bromochloromethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Chloroform	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,1,1-Trichloroethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Carbon Tetrachloride	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloropropene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloroethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Trichloroethene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloropropane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Bromodichloromethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
(cis) 1,3-Dichloropropene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
(trans) 1,3-Dichloropropene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,1,2-Trichloroethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Tetrachloroethene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,3-Dichloropropane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Dibromochloromethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Chlorobenzene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,1,1,2-Tetrachloroethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,1,2,2-Tetrachloroethane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichloropropane	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
2-Chlorotoluene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
4-Chlorotoluene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-25.0**					
Laboratory ID:	07-127-04					
1,3-Dichlorobenzene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,4-Dichlorobenzene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,2-Dichlorobenzene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
1,2,4-Trichlorobenzene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichlorobenzene	ND	0.00099	EPA 8260D	7-19-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-130*				
Toluene-d8	*101*	*78-128*				
4-Bromofluorobenzene	*97*	*71-130*				

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-35.0**					
Laboratory ID:	07-127-05					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Chloromethane	ND	0.0054	EPA 8260D	7-19-23	7-19-23	
Vinyl Chloride	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Chloroethane	ND	0.0054	EPA 8260D	7-19-23	7-19-23	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Methylene Chloride	ND	0.0054	EPA 8260D	7-19-23	7-19-23	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Bromochloromethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Chloroform	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Trichloroethene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Bromodichloromethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260D	7-19-23	7-19-23	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Tetrachloroethene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Dibromochloromethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Chlorobenzene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
2-Chlorotoluene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
4-Chlorotoluene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-35.0**					
Laboratory ID:	07-127-05					
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260D	7-19-23	7-19-23	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Hexachlorobutadiene	ND	0.0054	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	7-19-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-130*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*96*	*71-130*				

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-45.0**					
Laboratory ID:	07-127-06					
Dichlorodifluoromethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Chloromethane	ND	0.0044	EPA 8260D	7-19-23	7-19-23	
Vinyl Chloride	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Chloroethane	ND	0.0044	EPA 8260D	7-19-23	7-19-23	
Trichlorofluoromethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Methylene Chloride	ND	0.0044	EPA 8260D	7-19-23	7-19-23	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
2,2-Dichloropropane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Bromochloromethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Chloroform	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Carbon Tetrachloride	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloropropene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloroethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Trichloroethene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloropropane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Bromodichloromethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260D	7-19-23	7-19-23	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,1,2-Trichloroethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Tetrachloroethene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,3-Dichloropropane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Dibromochloromethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Chlorobenzene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
2-Chlorotoluene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
4-Chlorotoluene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-45.0**					
Laboratory ID:	07-127-06					
1,3-Dichlorobenzene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260D	7-19-23	7-19-23	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Hexachlorobutadiene	ND	0.0044	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260D	7-19-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-130*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*95*	*71-130*				

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

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:	MB0719S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Chloromethane	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
Vinyl Chloride	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Chloroethane	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Methylene Chloride	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Bromochloromethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Chloroform	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Trichloroethene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Bromodichloromethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Tetrachloroethene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Dibromochloromethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Chlorobenzene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
2-Chlorotoluene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
4-Chlorotoluene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0719S1					
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	7-19-23	7-19-23	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	7-19-23	7-19-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-130*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*96*	*71-130*				

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0719S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**0.0507**	**0.0469**	0.0500	0.0500	101	94	30-160	8	26	
Chloromethane	**0.0517**	**0.0499**	0.0500	0.0500	103	100	59-131	4	26	
Vinyl Chloride	**0.0537**	**0.0522**	0.0500	0.0500	107	104	68-136	3	23	
Chloroethane	**0.0524**	**0.0505**	0.0500	0.0500	105	101	67-141	4	16	
Trichlorofluoromethane	**0.0518**	**0.0522**	0.0500	0.0500	104	104	76-127	1	19	
1,1-Dichloroethene	**0.0511**	**0.0513**	0.0500	0.0500	102	103	75-129	0	19	
Methylene Chloride	**0.0483**	**0.0472**	0.0500	0.0500	97	94	60-124	2	18	
(trans) 1,2-Dichloroethene	**0.0500**	**0.0500**	0.0500	0.0500	100	100	79-133	0	15	
1,1-Dichloroethane	**0.0511**	**0.0502**	0.0500	0.0500	102	100	79-125	2	17	
2,2-Dichloropropane	**0.0493**	**0.0492**	0.0500	0.0500	99	98	79-126	0	18	
(cis) 1,2-Dichloroethene	**0.0503**	**0.0499**	0.0500	0.0500	101	100	75-131	1	15	
Bromochloromethane	**0.0535**	**0.0514**	0.0500	0.0500	107	103	80-126	4	15	
Chloroform	**0.0501**	**0.0492**	0.0500	0.0500	100	98	80-123	2	15	
1,1,1-Trichloroethane	**0.0496**	**0.0505**	0.0500	0.0500	99	101	78-124	2	21	
Carbon Tetrachloride	**0.0500**	**0.0500**	0.0500	0.0500	100	100	74-127	0	18	
1,1-Dichloropropene	**0.0515**	**0.0515**	0.0500	0.0500	103	103	80-123	0	15	
1,2-Dichloroethane	**0.0522**	**0.0502**	0.0500	0.0500	104	100	75-124	4	15	
Trichloroethene	**0.0523**	**0.0526**	0.0500	0.0500	105	105	80-129	1	18	
1,2-Dichloropropane	**0.0535**	**0.0531**	0.0500	0.0500	107	106	80-123	1	15	
Bromodichloromethane	**0.0530**	**0.0519**	0.0500	0.0500	106	104	80-129	2	15	
(cis) 1,3-Dichloropropene	**0.0542**	**0.0532**	0.0500	0.0500	108	106	80-130	2	15	
(trans) 1,3-Dichloropropene	**0.0534**	**0.0524**	0.0500	0.0500	107	105	80-124	2	15	
1,1,2-Trichloroethane	**0.0520**	**0.0508**	0.0500	0.0500	104	102	80-120	2	15	
Tetrachloroethene	**0.0519**	**0.0526**	0.0500	0.0500	104	105	77-126	1	15	
1,3-Dichloropropane	**0.0521**	**0.0521**	0.0500	0.0500	104	104	77-123	0	15	
Dibromochloromethane	**0.0531**	**0.0536**	0.0500	0.0500	106	107	80-128	1	16	
Chlorobenzene	**0.0515**	**0.0516**	0.0500	0.0500	103	103	80-120	0	18	
1,1,1,2-Tetrachloroethane	**0.0513**	**0.0508**	0.0500	0.0500	103	102	80-120	1	15	
1,1,2,2-Tetrachloroethane	**0.0535**	**0.0518**	0.0500	0.0500	107	104	75-122	3	17	
1,2,3-Trichloropropane	**0.0519**	**0.0506**	0.0500	0.0500	104	101	72-125	3	20	
2-Chlorotoluene	**0.0501**	**0.0511**	0.0500	0.0500	100	102	75-128	2	15	
4-Chlorotoluene	**0.0493**	**0.0514**	0.0500	0.0500	99	103	78-127	4	16	
1,3-Dichlorobenzene	**0.0500**	**0.0516**	0.0500	0.0500	100	103	78-123	3	17	

Date of Report: July 20, 2023
Samples Submitted: July 19, 2023
Laboratory Reference: 2307-127
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0719S1									
	SB	SBD	SB	SBD	SB	SBD				
1,4-Dichlorobenzene	**0.0498**	**0.0511**	0.0500	0.0500	100	102	77-121	3	17	
1,2-Dichlorobenzene	**0.0495**	**0.0513**	0.0500	0.0500	99	103	80-120	4	15	
1,2-Dibromo-3-chloropropane	**0.0546**	**0.0512**	0.0500	0.0500	109	102	61-137	6	28	
1,2,4-Trichlorobenzene	**0.0497**	**0.0529**	0.0500	0.0500	99	106	77-127	6	17	
Hexachlorobutadiene	**0.0499**	**0.0505**	0.0500	0.0500	100	101	77-125	1	22	
1,2,3-Trichlorobenzene	**0.0510**	**0.0527**	0.0500	0.0500	102	105	77-124	3	19	
Surrogate:										
Dibromofluoromethane					*96*	*93*	*75-130*			
Toluene-d8					*102*	*100*	*78-128*			
4-Bromofluorobenzene					*103*	*102*	*71-130*			

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% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
MW-26-10.0	07-127-02	**20**	7-19-23
MW-26-15.0	07-127-03	**20**	7-19-23
MW-26-25.0	07-127-04	**17**	7-19-23
MW-26-35.0	07-127-05	**23**	7-19-23
MW-26-45.0	07-127-06	**12**	7-19-23

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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

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

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

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

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

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

I - Compound recovery is outside of the control limits.

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

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

L - The RPD is outside of the control limits.

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

M1 - Hydrocarbons in the gasoline range (toluene-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.

X2 - Sample extract treated with a 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.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

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

Chain of Custody

Page 1 of 1

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

Company: Farallon
Project Number: 1355-001
Project Name: Morningside acres tract
Project Manager: Stuart Brown
Sampled by: Matt henry nelson + Drew Blackwell

Turnaround Request (in working days)
(Check One)
☐ Same Day ~~☒ 1 Day~~ PB
☒ 2 Days ☐ 3 Days
~~☒ Standard (7 Days)~~ MN
☐ _____ (other)

Laboratory Number: 07-127

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	CVOC	HOLD		% Moisture
1	MW-26-5.0	7/17/23	1345	S	4																	X	X			
2	MW-26-10.0	7/18/23	~~1035~~ 830	S	4																	X				X*
3	MW-26-15.0	7/18/23	837	S	4																	X				X
4	MW-26-25.0	7/18/23	848	S	4																	X				X
5	MW-26-35.0	7/18/23	932	S	4																	X				X
6	MW-26-45.0	7/18/23	1032	S	4																	X				X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	Matt Henry Nelson	Farallon consulting	7/18/23	1819	~~* Hold for PM~~ JB 7/19
Received	Van	Spdy	7/19/23	1020	
Relinquished	Van	Spdy	7/19/23	1115	
Received			7/19/23	1115	
Relinquished					
Received					Data Package: Standard ☐ Level III ☐ Level IV ☐
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

July 24, 2023

Stuart Brown
Farallon Consulting
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2307-160

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on July 20, 2023.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

Case Narrative

Samples were collected on July 19 and 20, 2023 and received by the laboratory on July 20, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6-071923**					
Laboratory ID:	07-160-03					
Benzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Toluene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Gasoline	**ND**	100	NWTPH-Gx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-122*				
Client ID:	**MW-24-071923**					
Laboratory ID:	07-160-04					
Benzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Toluene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Gasoline	**ND**	100	NWTPH-Gx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-122*				
Client ID:	**MW-22-071923**					
Laboratory ID:	07-160-05					
Benzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Toluene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Gasoline	**ND**	100	NWTPH-Gx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-122*				

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-071923**					
Laboratory ID:	07-160-06					
Benzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Toluene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Gasoline	**ND**	100	NWTPH-Gx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*65-122*				
Client ID:	**MW-25-071923**					
Laboratory ID:	07-160-07					
Benzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Toluene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Gasoline	**ND**	100	NWTPH-Gx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*65-122*				
Client ID:	**MW-19-072023**					
Laboratory ID:	07-160-08					
Benzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Toluene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*65-122*				

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0721W1					
Benzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Toluene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	7-21-23	7-21-23	
Gasoline	**ND**	100	NWTPH-Gx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*65-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	07-159-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*83*	*65-122*			
SPIKE BLANKS											
Laboratory ID:	SB0721W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**44.7**	**44.5**	50.0	50.0		**89**	**89**	81-118	0	12	
Toluene	**45.9**	**45.7**	50.0	50.0		**92**	**91**	82-119	0	12	
Ethylbenzene	**46.0**	**45.7**	50.0	50.0		**92**	**91**	81-118	1	12	
m,p-Xylene	**45.9**	**45.3**	50.0	50.0		**92**	**91**	82-118	1	12	
o-Xylene	**46.5**	**46.3**	50.0	50.0		**93**	**93**	81-119	0	11	
Surrogate:											
Fluorobenzene						*90*	*88*	*65-122*			

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-12-071923**					
Laboratory ID:	07-160-01					
Diesel Range Organics	**ND**	0.22	NWTPH-Dx	7-21-23	7-21-23	
Lube Oil Range Organics	**ND**	0.22	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				
Client ID:	**MW-11-071923**					
Laboratory ID:	07-160-02					
Diesel Range Organics	**0.22**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Lube Oil Range Organics	**0.60**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				
Client ID:	**MW-6-071923**					
Laboratory ID:	07-160-03					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	7-21-23	7-21-23	
Lube Oil Range Organics	**0.24**	0.21	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				
Client ID:	**MW-24-071923**					
Laboratory ID:	07-160-04					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	7-21-23	7-24-23	
Lube Oil Range Organics	**0.24**	0.21	NWTPH-Dx	7-21-23	7-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				
Client ID:	**MW-22-071923**					
Laboratory ID:	07-160-05					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Lube Oil Range Organics	**0.27**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*78*	*50-150*				
Client ID:	**MW-22-071923**					
Laboratory ID:	07-160-05					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	7-21-23	7-21-23	X2
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	7-21-23	7-21-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*79*	*50-150*				

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-071923**					
Laboratory ID:	07-160-06					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				
Client ID:	**MW-25-071923**					
Laboratory ID:	07-160-07					
Diesel Range Organics	**0.38**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Lube Oil Range Organics	**0.42**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0721W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	7-21-23	7-21-23	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				
Laboratory ID:	MB0721W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	7-21-23	7-21-23	X2
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	7-21-23	7-21-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0721W1										
	ORIG	DUP									
Diesel Fuel #2	**0.449**	**0.442**	NA	NA		NA		NA	2	40	
Surrogate:											
o-Terphenyl						*83*	*85*	*50-150*			
Laboratory ID:	SB0721W1										
	ORIG	DUP									
Diesel Fuel #2	**0.400**	**0.385**	NA	NA		NA		NA	4	40	X2
Surrogate:											
o-Terphenyl						*87*	*87*	*50-150*			

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-12-071923**					
Laboratory ID:	07-160-01					
DRO/LRO C10-C36	**ND**	0.27	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				
Client ID:	**MW-11-071923**					
Laboratory ID:	07-160-02					
DRO/LRO C10-C36	**0.51**	0.25	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*50-150*				
Client ID:	**MW-6-071923**					
Laboratory ID:	07-160-03					
DRO/LRO C10-C36	**ND**	0.26	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				
Client ID:	**MW-24-071923**					
Laboratory ID:	07-160-04					
DRO/LRO C10-C36	**ND**	0.26	NWTPH-Dx	7-21-23	7-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				
Client ID:	**MW-22-071923**					
Laboratory ID:	07-160-05					
DRO/LRO C10-C36	**0.25**	0.25	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*78*	*50-150*				
Client ID:	**MW-22-071923**					
Laboratory ID:	07-160-05					
DRO/LRO C10-C36	**ND**	0.25	NWTPH-Dx	7-21-23	7-21-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*79*	*50-150*				
Client ID:	**MW-23-071923**					
Laboratory ID:	07-160-06					
DRO/LRO C10-C36	**ND**	0.25	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-25-071923**					
Laboratory ID:	07-160-07					
DRO/LRO C10-C36	**0.50**	0.25	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0721W1					
DRO/LRO C10-C36	**ND**	0.20	NWTPH-Dx	7-21-23	7-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				
Laboratory ID:	MB0721W1					
DRO/LRO C10-C36	**ND**	0.20	NWTPH-Dx	7-21-23	7-21-23	X2
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0721W1										
	ORIG	DUP									
DRO/LRO C10-C36	**0.413**	**0.405**	NA	NA		NA		NA	2	40	
Surrogate:											
o-Terphenyl						*83*	*85*	*50-150*			
Laboratory ID:	SB0721W1										
	ORIG	DUP									
DRO/LRO C10-C36	**0.359**	**0.346**	NA	NA		NA		NA	4	40	X2
Surrogate:											
o-Terphenyl						*87*	*87*	*50-150*			

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-072023**					
Laboratory ID:	07-160-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Chloromethane	ND	1.0	EPA 8260D	7-24-23	7-24-23	
Vinyl Chloride	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Chloroethane	ND	1.0	EPA 8260D	7-24-23	7-24-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Methylene Chloride	ND	1.0	EPA 8260D	7-24-23	7-24-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Bromochloromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Chloroform	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Trichloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Bromodichloromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Tetrachloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Dibromochloromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Chlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-26-072023**					
Laboratory ID:	07-160-09					
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	7-24-23	7-24-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	7-24-23	7-24-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-27-072023**					
Laboratory ID:	07-160-10					
Dichlorodifluoromethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
Chloromethane	ND	2.0	EPA 8260D	7-24-23	7-24-23	
Vinyl Chloride	48	0.40	EPA 8260D	7-24-23	7-24-23	
Chloroethane	ND	2.0	EPA 8260D	7-24-23	7-24-23	
Trichlorofluoromethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloroethene	1.4	0.40	EPA 8260D	7-24-23	7-24-23	
Methylene Chloride	ND	2.0	EPA 8260D	7-24-23	7-24-23	
(trans) 1,2-Dichloroethene	2.8	0.40	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloroethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
2,2-Dichloropropane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
(cis) 1,2-Dichloroethene	34	0.40	EPA 8260D	7-24-23	7-24-23	
Bromochloromethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
Chloroform	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,1,1-Trichloroethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
Carbon Tetrachloride	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloropropene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,2-Dichloroethane	0.53	0.40	EPA 8260D	7-24-23	7-24-23	
Trichloroethene	9.4	0.40	EPA 8260D	7-24-23	7-24-23	
1,2-Dichloropropane	0.41	0.40	EPA 8260D	7-24-23	7-24-23	
Bromodichloromethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,1,2-Trichloroethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
Tetrachloroethene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,3-Dichloropropane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
Dibromochloromethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
Chlorobenzene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,2,3-Trichloropropane	ND	0.40	EPA 8260D	7-24-23	7-24-23	
2-Chlorotoluene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
4-Chlorotoluene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,3-Dichlorobenzene	ND	0.40	EPA 8260D	7-24-23	7-24-23	

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-27-072023**					
Laboratory ID:	07-160-10					
1,4-Dichlorobenzene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,2-Dichlorobenzene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260D	7-24-23	7-24-23	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
Hexachlorobutadiene	ND	2.0	EPA 8260D	7-24-23	7-24-23	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260D	7-24-23	7-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

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:	MB0724W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Chloromethane	ND	1.0	EPA 8260D	7-24-23	7-24-23	
Vinyl Chloride	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Chloroethane	ND	1.0	EPA 8260D	7-24-23	7-24-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Methylene Chloride	ND	1.0	EPA 8260D	7-24-23	7-24-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Bromochloromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Chloroform	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Trichloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Bromodichloromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Tetrachloroethene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Dibromochloromethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Chlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	7-24-23	7-24-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0724W1					
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	7-24-23	7-24-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	7-24-23	7-24-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	7-24-23	7-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0724W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**8.15**	**7.86**	10.0	10.0	82	79	34-166	4	21	
Chloromethane	**8.95**	**8.72**	10.0	10.0	90	87	63-138	3	18	
Vinyl Chloride	**9.45**	**9.21**	10.0	10.0	95	92	71-135	3	20	
Chloroethane	**9.56**	**9.39**	10.0	10.0	96	94	76-125	2	20	
Trichlorofluoromethane	**9.45**	**9.62**	10.0	10.0	95	96	75-131	2	19	
1,1-Dichloroethene	**9.49**	**9.54**	10.0	10.0	95	95	78-125	1	19	
Methylene Chloride	**9.13**	**9.13**	10.0	10.0	91	91	80-120	0	15	
(trans) 1,2-Dichloroethene	**9.39**	**9.50**	10.0	10.0	94	95	80-125	1	17	
1,1-Dichloroethane	**9.64**	**9.65**	10.0	10.0	96	97	80-125	0	17	
2,2-Dichloropropane	**10.2**	**10.6**	10.0	10.0	102	106	80-146	4	21	
(cis) 1,2-Dichloroethene	**9.71**	**9.79**	10.0	10.0	97	98	80-129	1	17	
Bromochloromethane	**9.16**	**9.21**	10.0	10.0	92	92	80-125	1	18	
Chloroform	**9.43**	**9.63**	10.0	10.0	94	96	80-123	2	16	
1,1,1-Trichloroethane	**9.54**	**9.53**	10.0	10.0	95	95	80-123	0	18	
Carbon Tetrachloride	**9.59**	**9.79**	10.0	10.0	96	98	80-126	2	17	
1,1-Dichloropropene	**9.55**	**9.76**	10.0	10.0	96	98	80-126	2	18	
1,2-Dichloroethane	**9.32**	**9.29**	10.0	10.0	93	93	80-124	0	15	
Trichloroethene	**9.70**	**9.71**	10.0	10.0	97	97	80-122	0	18	
1,2-Dichloropropane	**10.1**	**9.96**	10.0	10.0	101	100	80-123	1	15	
Bromodichloromethane	**9.73**	**9.63**	10.0	10.0	97	96	80-125	1	15	
(cis) 1,3-Dichloropropene	**10.0**	**10.1**	10.0	10.0	100	101	80-129	1	15	
(trans) 1,3-Dichloropropene	**9.82**	**9.84**	10.0	10.0	98	98	80-134	0	17	
1,1,2-Trichloroethane	**9.54**	**9.30**	10.0	10.0	95	93	77-126	3	20	
Tetrachloroethene	**9.59**	**9.68**	10.0	10.0	96	97	80-124	1	18	
1,3-Dichloropropane	**9.32**	**9.05**	10.0	10.0	93	91	80-120	3	15	
Dibromochloromethane	**9.30**	**9.30**	10.0	10.0	93	93	80-128	0	15	
Chlorobenzene	**9.51**	**9.38**	10.0	10.0	95	94	80-120	1	17	
1,1,1,2-Tetrachloroethane	**9.22**	**9.36**	10.0	10.0	92	94	80-125	2	17	
1,1,2,2-Tetrachloroethane	**9.45**	**9.29**	10.0	10.0	95	93	74-130	2	15	
1,2,3-Trichloropropane	**9.16**	**9.09**	10.0	10.0	92	91	71-129	1	25	
2-Chlorotoluene	**9.45**	**9.38**	10.0	10.0	95	94	80-128	1	18	
4-Chlorotoluene	**9.39**	**9.33**	10.0	10.0	94	93	80-130	1	19	
1,3-Dichlorobenzene	**9.34**	**9.28**	10.0	10.0	93	93	80-126	1	17	

Date of Report: July 24, 2023
Samples Submitted: July 20, 2023
Laboratory Reference: 2307-160
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 2 of 2

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0724W1									
	SB	SBD	SB	SBD	SB	SBD				
1,4-Dichlorobenzene	**9.10**	**9.21**	10.0	10.0	91	92	80-121	1	17	
1,2-Dichlorobenzene	**9.36**	**9.32**	10.0	10.0	94	93	79-125	0	15	
1,2-Dibromo-3-chloropropane	**9.69**	**9.06**	10.0	10.0	97	91	73-133	7	15	
1,2,4-Trichlorobenzene	**9.92**	**9.90**	10.0	10.0	99	99	80-139	0	18	
Hexachlorobutadiene	**10.4**	**10.3**	10.0	10.0	104	103	80-151	1	18	
1,2,3-Trichlorobenzene	**9.61**	**9.35**	10.0	10.0	96	94	75-146	3	28	
Surrogate:										
Dibromofluoromethane					*96*	*95*	*75-127*			
Toluene-d8					*100*	*100*	*80-127*			
4-Bromofluorobenzene					*101*	*100*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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

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

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

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

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

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

I - Compound recovery is outside of the control limits.

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

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

L - The RPD is outside of the control limits.

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

M1 - Hydrocarbons in the gasoline range (toluene-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.

X2 - Sample extract treated with a 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.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

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

Chain of Custody

Page 1 of 1

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

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres Tracts
Project Manager: Stuart Brown
Sampled by: Max Henry Nelson

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

Laboratory Number: 07-160

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☒ Acid / ☒ SG Clean-up) DB	~~Volatiles 8260D~~ BTEX ONLY 8021	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	CVOC method 8260D		DRO/RRO COMBINED		~~% Moisture~~ * WITH AND WITHOUT SILICA GEL ONLY
1	MW-12-071923	7/19/23	1110	W	2				X																X		
2	MW-11-071923	7/19/23	1143	W	2				X																X		
3	MW-6-071923	7/19/23	1338	W	5		X		X																X		
4	MW-24-071923	7/19/23	1510	W	5		X		X																X		
5	MW-22-071923	7/19/23	1210	W	5		X		X	*															X**		X
6	MW-23-071923	7/19/23	1350	W	5		X		X																X		
7	MW-25-071923	7/19/23	1450	W	5		X		X																X		
8	MW-19-072023	7/20/23	810	W	3		~~X~~ NO DB			X																	
9	MW-26-072023	7/20/23	1120	W	3																		X				
10	MW-27-072023	7/20/23	1155	W	3																		X				

	Signature	Company	Date	Time
Relinquished	Max-Henry Nelson	Farallon	7/20/23	1601
Received		CORE	7/20/23	1601
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

* - WITH AND WITHOUT SG ONLY

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

ATTACHMENT C
ECOLOGY OPINION REQUEST FORM

SECOND ADDENDUM TO REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT
Morningside Acres Tracts
5001, 5015, and 5021 Rainier Avenue South
Seattle, Washington

Farallon PN: 1355-001

DEPARTMENT OF ECOLOGY
State of Washington

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

REQUEST FOR OPINION FORM

Use this form to request a written opinion on your planned or completed independent remedial action under the Voluntary Cleanup Program (VCP). Attach to this form the plans or reports documenting the remedial action. Please submit only one form for each request.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are requesting a written opinion under the VCP. This information may be found on the VCP Agreement.

Facility/Site Name: Morningside Acres Tracts South

Facility/Site Address: 5021 Rainier Avenue South, Seattle, Washington

Facility/Site No: 4321	VCP Project No.: NW3345

Step 2: REQUEST WRITTEN OPINION ON PLAN OR REPORT

What type of independent remedial action plan or report are you submitting to Ecology for review under the VCP? Please check all that apply.

- ☐ Remedial investigation plan
- ☒ Remedial investigation report
- ☒ Feasibility study report
- ☐ Property cleanup* plan (* cleanup of one or more parcels located within the Site)
- ☐ Property cleanup* report
- ☐ Site cleanup plan
- ☐ Site cleanup report
- ☐ Other – please specify:

Do you want Ecology to provide you with a written opinion on the planned or completed independent remedial action?

☒ Yes ☐ No

Please note that Ecology's opinion will be limited to:

- Whether the planned or completed remedial action at the site meets the substantive requirements of the Model Toxics Control Act (MTCA), and/or
- Whether further remedial action is necessary at the site under MTCA.

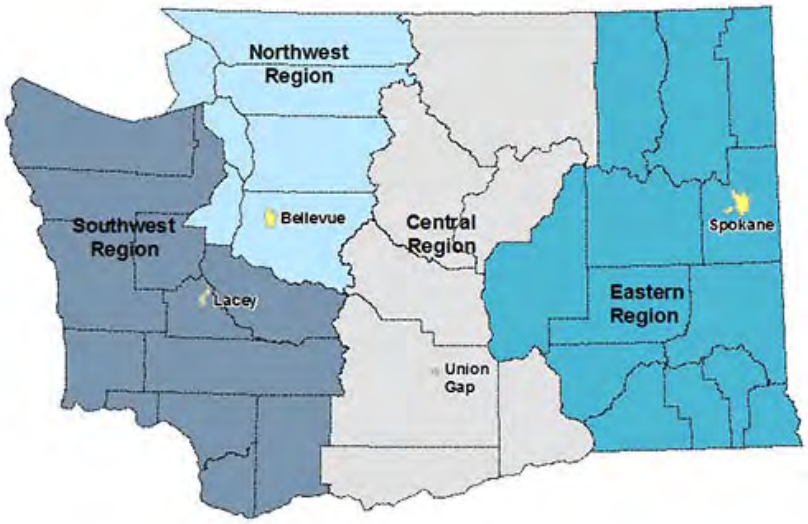
Step 3: REPRESENTATIONS AND SIGNATURE

The undersigned representative of the Customer hereby certifies that he or she is fully authorized to request services from Ecology under the Agreement for this VCP Project.

Name: Jerry-Alan K. Murakami	Title: Co-Attorney-in-Fact for Chisato Kathleen Murakami	
Signature:	Date:	
Organization:		
Mailing address: 12424 83rd Avenue South		
City: Seattle	State: WA	Zip code: 98178
Phone: 425-761-8816	Fax:	E-mail: Jerryskii@yahoo.com

Step 4: SUBMITTAL

Please mail your completed form and the independent remedial action plan or report that you are requesting Ecology review to the site manager Ecology assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



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