FARALLON CONSULTING

April 5, 2023

Washin and Kathleen Murakami
c/o Allan Bakalian
Bakalian & Associates PS
8201 164th Avenue Northwest, Suite 200
Redmond, Washington 98052

RE: REMEDIAL INVESTIGATION AND FEASIBILITY STUDY ADDENDUM
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 Remedial Investigation and Feasibility Study (RI/FS) Addendum in response to the Washington State Department of Ecology (Ecology) December 12, 2022 letter and opinion[1] requiring a supplemental investigation and evaluation of the nature and extent of the petroleum and chlorinated volatile organic compound (CVOC) contamination at 5001, 5015, and 5021 Rainier Avenue South in Seattle, Washington (herein referred to as the Property) (Figures 1 and 2). This RI/FS Addendum has been prepared to address data gaps identified by Ecology following its review of Farallon's June 2022 *Remedial Investigation and Feasibility Study Report* (RI/FS Report)[2] and to evaluate whether the results of the additional investigation work conducted at the Property will affect the recommended cleanup action alternative for the Property.

Ecology identified the following data gaps in the RI/FS Report requiring additional investigation:

- The vertical extent of vinyl chloride contamination in soil proximate to a former floor drain in the basement of the building at 5021 Rainier Avenue South (5021 Building) had not been fully defined.
- The downgradient extent of CVOC and total petroleum hydrocarbon (TPH) impacts was not defined west of the Property.
- Potential commingling of CVOC and TPH impacts had not been fully evaluated.

[1] Letter regarding Opinion pursuant to WAC 173-340-515(5) on Remedial Action of the Following Hazardous Waste Site: Morningside Acres Tracts South, 5021 Rainier Avenue S, Seattle, Washington dated December 12, 2022, from David Unruh of Ecology to Jerry-Alan Murakami.

[2] *Remedial Investigation and Feasibility Study Report, Morningside Acres Tracts, 5001, 5015, and 5021 Rainier Avenue South, Seattle*, Washington dated June, 20, 2022, prepared by Farallon.

- The downgradient extent of CVOC and total petroleum hydrocarbon (TPH) impacts was not defined west of the Property.
- Potential commingling of CVOC and TPH impacts had not been fully evaluated.
- The eastern extent of contamination at the Property had not been defined.

Following a virtual meeting held on January 12, 2023 and follow-up email correspondence between Farallon and Ecology on January 26 and 28, 2023,[3] Farallon updated analytical tables for the Property to use the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method B cleanup levels for vadose zone and saturated soil protective of groundwater for CVOC impacts at the Property. Ecology also indicated that evaluation of the vertical distribution of CVOCs proximate to the former floor drain in the basement of the 5021 Building could be deferred until demolition of the building is complete. The remaining data gaps listed above have been addressed by the supplemental remedial investigation activities and results described below.

SUPPLEMENTAL REMEDIAL INVESTIGATION

Farallon conducted a supplemental remedial investigation at the Property between February 13 and March 23, 2023 to evaluate the western extent of the CVOC and TPH impacts on the Property and the northern extent of CVOC impacts in groundwater, and to determine whether CVOC impacts were commingling with TPH impacts on the 5001 Rainier Avenue South property (North Parcel). The supplemental remedial investigation consisted of advancing boring FB-30 and installing permanent groundwater monitoring wells MW-22 through MW-24 at the locations shown on Figure 3. The rationale for each boring and monitoring well location consisted of the following:

- Monitoring wells MW-22 and MW-23 were installed to depths of 18 and 48 feet below ground surface (bgs), respectively, in the southwestern portion of the North Parcel. Soil and groundwater samples were collected from the shallow and deeper portions of the groundwater-bearing zone to evaluate whether petroleum hydrocarbon and CVOC contamination was migrating off the Property to the west-southwest.
- Boring FB-30 and monitoring well MW-24 were advanced to depths of 30 and 45 feet bgs, respectively, for collection of soil and groundwater samples to evaluate the

[3] Email regarding NW3345 – Morningside Acres Tracts South Letter dated January 26 and 28, 2023 from Brani Jurista of Farallon to David Unruh of Ecology.

northern extent of the CVOC plume in groundwater and potential commingling with TPH impacts on the North Parcel.

A deviation from the approved scope of work by Ecology included installation of a permanent deeper monitoring well (MW-24) instead of a temporary well for collection of reconnaissance groundwater samples due to a significantly slow recharge of groundwater during drilling. The cost for installation of a monitoring well was much less than the cost for delays that would have been incurred by the drilling crew and Farallon field personnel waiting for the proper recharge to occur to collect reconnaissance groundwater samples. Farallon instead installed a deeper well screened from 35 to 45 feet bgs to provide for collection of groundwater samples to delineate the northern extent of the CVOC plume in groundwater. A summary of the completed scope of work is presented below.

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 also was used to manually clear proposed drilling locations to depths of up to 5 feet bgs to confirm that no utilities were present. A Property-specific Health and Safety Plan was updated and 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 were advanced by Holt Services, Inc. of Edgewood, Washington using a sonic drill rig at the locations shown on Figure 3. 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 drilling and retained at select intervals for potential laboratory analysis. Soil samples retained for laboratory analysis were placed on ice in a cooler and transported to OnSite Environmental of Redmond, Washington under standard chain-of-custody protocols for analysis of one or more of the following:

- TPH as gasoline-range organics (GRO) by Northwest Method NWTPH-Gx;
- TPH as diesel- and oil-range organics (DRO and ORO) by Northwest Method NWTPH-Dx;
- 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 also collected for the analyses listed above from boring FB-30 in the southeastern portion of the North Parcel at depths of 15 and 30 feet bgs. Reconnaissance groundwater samples were collected by installing a temporary polyvinyl chloride well screen at the target sample interval and using a peristaltic pump and disposable tubing to collect a grab groundwater sample from temporary well. As discussed above, groundwater recharge during advancement of FB-30 was limited, and a conductor casing was not installed during drilling to isolate the shallow groundwater from deeper groundwater. Due to the limitations on reconnaissance groundwater sampling and lack of a conductor casing at FB-30, the scope of work was modified in the field to install monitoring well MW-24 proximate to FB-30 using a conductor casing for collection of representative soil and groundwater samples from the deeper portion of the groundwater-bearing zone.

Upon reaching total depth, the borings for monitoring wells MW-22 through MW-24 were completed as permanent groundwater monitoring wells. Monitoring wells were constructed 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. Monitoring wells MW-22 and MW-23 were installed in the southwestern portion of the North Parcel with screen intervals between 8 to 18 feet bgs and 38 to 48 feet bgs, respectively. Monitoring well MW-24 was installed in the southeastern portion of the North Parcel with a screen interval between 35 to 45 feet bgs. Boring logs for borings and monitoring wells installed during the supplemental remedial investigation are included in Attachment A. The monitoring wells were professionally surveyed for location and elevation by a Washington State-licensed surveyor. Following installation, the new monitoring wells were attempted to be developed using surging and purging techniques until water drawn from the wells appeared relatively clear. However, due to the high silt content of the lithologic units and extremely slow groundwater recharge, the monitoring wells could not be fully developed when they were installed on February 20, 2023, as discussed below.

GROUNDWATER MONITORING EVENTS

Farallon conducted groundwater monitoring events at the newly installed monitoring wells on the Property between February 20 and March 23, 2023. The groundwater monitoring events included the following:

- Conducting depth-to-groundwater measurements from 19 new and existing monitoring wells on the Property on February 20, 2023;

- Collecting groundwater samples from monitoring wells MW-21 through MW-24 between February 20 and 22, 2023;
- Conducting depth-to-groundwater measurements from five monitoring wells on the Property on March 16, 2023; and
- Collecting an additional groundwater sample from monitoring well MW-23 on March 23, 2023.

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.

Groundwater samples were collected from monitoring wells MW-21 through MW-24 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 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 and ORO by Northwest Method NWTPH-Dx;
- BTEX by EPA Method 8021B; and
- CVOCs by EPA Method 8260D.

Investigation-derived waste generated during 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.

SUPPLEMENTAL REMEDIAL INVESTIGATION RESULTS

Subsurface conditions and analytical results of the 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 10. Laboratory analytical reports are included in Attachment B.

Geology and Hydrogeology

During the supplemental remedial investigation, soil encountered during drilling at boring FB-30 and monitoring wells MW-22 through MW-24 generally consisted of silty sand interbedded with silt and silty gravel to the maximum explored depth of 50 feet bgs. Silt and/or silty gravel was generally encountered between depths of approximately 5 to 17 feet bgs, and a layer of sandy silt was encountered between depths of approximately 30 to 50 feet bgs in monitoring wells MW-23 and MW-24. The silt content in the silty sand layers was high, typically estimated at 30 to 40 percent (Attachment A).

During drilling, groundwater was encountered in boring FB-30 and monitoring wells MW-22 through MW-24 between depths of approximately 5 to 12.5 feet bgs. During the supplemental remedial investigation, depth to groundwater generally was measured between depths of approximately 7 to 11 feet bgs in the monitoring wells, except for the wells located in the basement of the warehouse building on the southern parcel (Table 1). Depth to groundwater in monitoring wells in the basement was measured between depths of approximately 0.5 to 3 feet bgs. Groundwater elevation measurements indicated that groundwater generally flowed to the north during the supplemental remedial investigation (Figure 4). This groundwater flow direction is consistent with prior estimations of the groundwater flow direction for the 5015 and 5021 Rainier Avenue South parcels. However, the additional control provided by new monitoring well MW-22 in the southwest corner of the North Parcel has resulted in the slight change in the estimation of the groundwater flow direction at the North Parcel. The groundwater contours generated for the February 2023 groundwater monitoring event indicate northerly flow direction at the North Parcel, which differs from the prior estimations of the groundwater flow direction to the west.

Soil Analytical Results

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

- ORO was detected at concentrations of 5,400 milligrams per kilogram (mg/kg) and 6,300 mg/kg in soil samples collected from boring FB-30 at depths of 5 and 10 feet bgs, respectively, exceeding the MTCA Method A cleanup level of 2,000 mg/kg. ORO was reported non-detect at the laboratory practical quantitation limit (PQL) in the

remaining soil samples collected from boring FB-30 at 19 feet bgs and monitoring well borings MW-23 at 10, 15, 20, 30, 45, and 50 feet bgs and MW-24 at 40 and 45 feet bgs (Table 3; Figures 7 and 8).

- GRO was detected at concentrations of 150 mg/kg and 390 mg/kg in soil samples collected from boring FB-30 at depths of 5 and 10 feet bgs, respectively, exceeding the MTCA Method A cleanup level of 30 mg/kg. GRO was reported non-detect at the laboratory PQL in the remaining soil samples collected from boring FB-30 at 19 feet bgs and monitoring well borings MW-23 at 10, 15, 20, 30, 45, and 50 feet bgs and MW-24 at 40 and 45 feet bgs. (Table 3; Figures 7 and 8).
- Benzene and toluene were reported non-detect at the laboratory PQL in all soil samples analyzed from boring FB-30 and monitoring well borings MW-23 and MW-24 at depths ranging from 5 to 50 feet bgs (Table 3).
- Ethylbenzene and/or xylenes were detected at concentrations less than MTCA Method A cleanup levels in soil samples collected from boring FB-30 at depths of 5 and 10 feet bgs, and were reported non-detect at the laboratory PQL in the remaining soil samples analyzed (Table 3).
- CVOCs were reported non-detect at the laboratory PQL in all soil samples analyzed from boring FB-30 and monitoring well borings MW-23 and MW-24 at depths ranging from 10 to 50 feet bgs (Table 2; Figures 5 and 6).

Groundwater Analytical Results

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

- Vinyl chloride was detected at a concentration of 0.21 micrograms per liter (µg/l) in a groundwater sample collected from monitoring well MW-21, slightly exceeding the MTCA Method A cleanup level of 0.2 µg/l. Other CVOCs were not detected at the laboratory PQL in the groundwater sample from monitoring well MW-21. CVOCs were reported non-detect at the laboratory PQL in the reconnaissance groundwater sample collected from boring FB-30 and groundwater samples collected from monitoring wells MW-22 through MW-24 (Table 4; Figures 6 and 9).
- DRO and ORO were detected at concentrations of 1,100 and 5,700 µg/l, respectively, exceeding the MTCA Method A cleanup level of 500 µg/l in the reconnaissance groundwater sample collected from boring FB-30 at a depth of 15 feet bgs. DRO also was detected at a concentration slightly exceeding the MTCA

Method A cleanup level and ORO was reported at a concentration less than the MTCA Method A cleanup level in the reconnaissance groundwater sample collected from boring FB-30 at 30 feet bgs (Table 5; Figures 8 and 10).

- DRO was detected at a concentration of 690 µg/l, slightly exceeding the MTCA Method A cleanup level of 500 µg/l in the groundwater sample collected from monitoring well MW-23 on February 20, 2023 (Table 5). However, only approximately 1 foot of groundwater was present in monitoring well MW-23 at the time of sampling with limited recharge, and water turbidity was measured at 1,414 nephelometric turbidity units (NTU), indicating that groundwater analytical results likely were biased high as a result of suspended solids in the sample. An additional groundwater sample was collected from monitoring well MW-23 on March 23, 2023 when approximately 19 feet of groundwater was present in the well and turbidity was measured at 180 NTU at the time of sampling. DRO was reported non-detect at the laboratory PQL and ORO was detected at 250 µg/l, below the MTCA Method A cleanup level of 500 µg/l in the groundwater sample collected from monitoring well MW-23 on March 23, 2023. Because of the high turbidity and insufficient recharge of groundwater on February 20, the DRO exceedance in that sample was likely a false positive associated with analytical method interference, and is both unreliable and not representative of shallow groundwater conditions at this location on the Property. The March 23, 2023 groundwater sample did not exhibit any analytical interference and is therefore considered representative of the groundwater quality at the monitoring well MW-23 location at the depth of 38 to 48 feet bgs.
- GRO and BTEX compounds were reported non-detect at the laboratory PQL in all groundwater samples analyzed (Table 5).

DISCUSSION

This section includes discussion of the results of the supplemental remedial investigation in relation to the existing conceptual site model in the RI/FS Report for the Property, and the recommended cleanup action alternative.

CONCEPTUAL SITE MODEL

Ecology's 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 whether TPH and CVOC impacts were commingled on the North Parcel, and whether TPH and CVOC impacts were migrating onto west-adjoining properties.

Soil and groundwater analytical results from the supplemental remedial investigation indicate that the groundwater CVOC plume originating proximate to the floor drain beneath the 5021 Building on the southern portion of the Property does not extend onto the North Parcel, and is not commingled with the groundwater TPH plume on the North Parcel (Figures 2, 6, and 8). CVOCs were not detected at concentrations exceeding laboratory PQLs in soil and groundwater samples collected from the borings and monitoring wells advanced on the North Parcel to depths of up to 50 feet bgs during the supplemental remedial investigation.

Analytical results also indicate that TPH and CVOC impacts in soil and/or groundwater do not extend onto west-adjoining properties. The western extent of TPH and CVOC impacts at the Property are bounded by the results for samples collected from monitoring wells MW-13, MW-22, and MW-23, which did not contain TPH and CVOCs in soil or groundwater at concentrations exceeding MTCA cleanup levels (Figures 5, 7, 9, and 10).

The results of the supplemental subsurface investigation do not significantly alter the conceptual site model developed for the Property, except for moderate reductions to the estimated extent of petroleum contamination on the North Parcel, and a minor reduction in the estimated northern extent of CVOC impacts originating from beneath the 5021 Building.

FEASIBILITY STUDY AND RECOMMENDED CLEANUP ACTION ALTERNATIVE

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

- Source removal excavation and off-Property disposal of TPH- 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 southern parcels of the Property during redevelopment;
- Conducting in-situ chemical reduction injection and enhanced bioremediation events on the middle and southern 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 of the supplemental subsurface investigation also do not impact the findings of the feasibility study, and the recommended cleanup action alternative remains unchanged.

REQUEST FOR OPINION

Based on the additional investigation activities presented in this RI/FS Addendum, the nature and extent of contamination contained on the Property has been sufficiently evaluated to select the cleanup action alternative. Farallon respectfully requests that Ecology issue an opinion approving the recommended cleanup action alternative previously provided in the RI/FS Report and reiterated herein, and issue a determination that No Further Action will be issued for the Site after the cleanup activities are completed in accordance with MTCA. An Ecology Opinion Request Form is included as Attachment C.

CLOSING

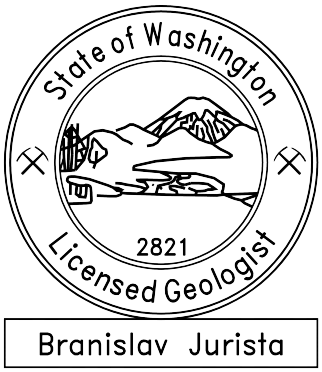
Farallon appreciates the opportunity to provide environmental consulting services for this project. Please contact Brani Jurista at (425) 295-0800 if you have questions or need additional information.

Sincerely,

Farallon Consulting, L.L.C.

Yusuf Pehlivan, L.G.
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 – February 2023*
Figure 5, *Estimated Areal Extent of Chlorinated VOCs in Soil*
Figure 6, *Cross Section A-A' – Chlorinated VOCs*
Figure 7, *Estimated Areal Extent of Petroleum Hydrocarbons in Soil*
Figure 8, *Cross Section A-A' – Petroleum Hydrocarbons*
Figure 9, *Estimated Areal Extent of Chlorinated VOCs in Groundwater*
Figure 10, *Estimated Areal Extent of Petroleum Hydrocarbons in Groundwater*
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

YP/BJ:cm

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 Property 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 Property that were not investigated or were inaccessible. Property activities beyond Farallon's control could change at any time after the completion of this report/assessment.

Farallon does not guarantee that the Property 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 Bakalian & Associates PS. No other warranties, representations, or certifications are made.

FIGURES

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

Farallon PN: 1355-001

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

0 5,000
SCALE IN FEET

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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:

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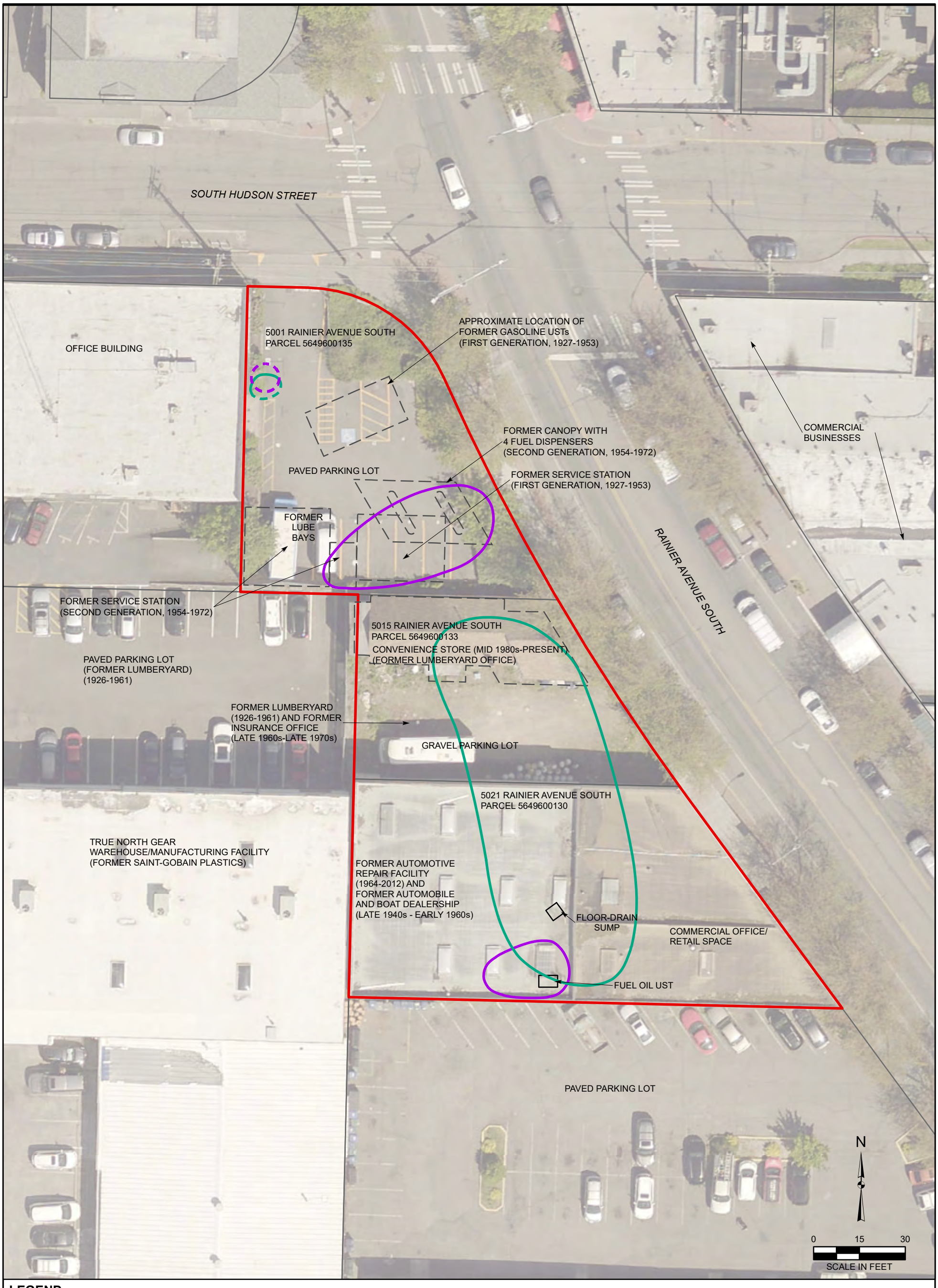

LEGEND

- APPROXIMATE EXTENT OF CHLORINATED VOC CONTAMINATION (DASHED WHERE INFERRED)
- APPROXIMATE EXTENT OF PETROLEUM CONTAMINATION (DASHED WHERE INFERRED)
- 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: YP | Date: 4/3/2023 | Disc Reference:

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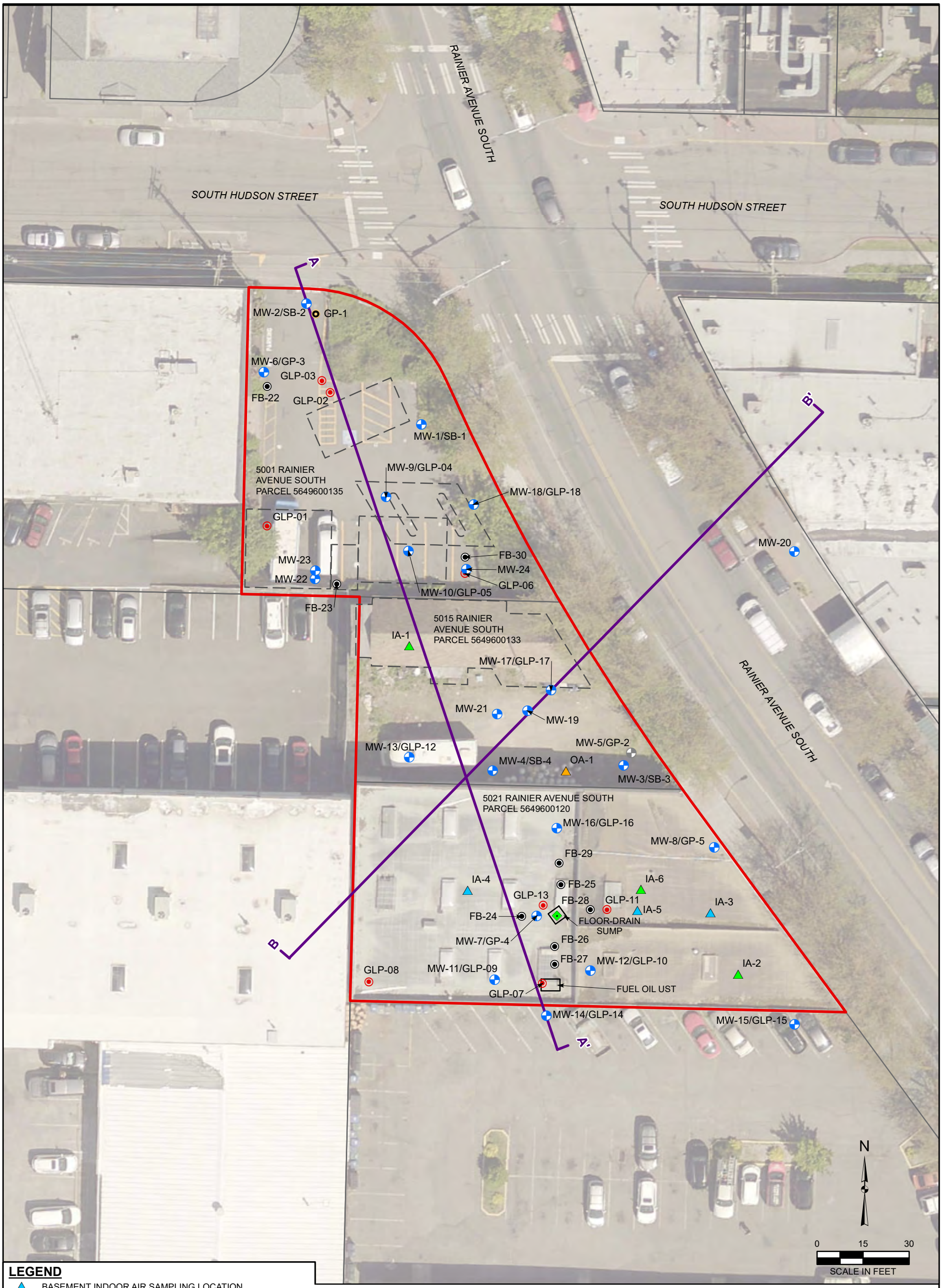

LEGEND

- BASEMENT INDOOR AIR SAMPLING LOCATION
- FIRST FLOOR INDOOR AIR SAMPLING LOCATION
- OUTDOOR AIR SAMPLING LOCATION
- DECOMMISSIONED MONITORING WELL
- MONITORING WELL
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- SUMP SEDIMENT SAMPLE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- A A' LINE OF CROSS SECTION
- UST = UNDERGROUND STORAGE TANK

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 3

SAMPLING LOCATIONS
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

SOUTH HUDSON STREET

RAINIER AVENUE SOUTH

A

A'

B

B'

MW-2/SB-2
(105.00)

GP-1

105.00

105.00

MW-6/GP-3
(105.35)

GLP-03

FB-22

GLP-02

MW-1/SB-1
(105.17)

105.50

105.50

5001 RAINIER
AVENUE SOUTH
PARCEL 5649600135

MW-18/GLP-18
(105.72)

MW-9/GLP-04
(105.74)

GLP-01

MW-23
[86.87]

MW-10/GLP-05
[104.26]

FB-30

MW-24
(105.77) 3/16/2023

MW-22
(105.85)

FB-23

GLP-06

106.00

106.00

MW-20/FB-20
(106.03)

106.00

106.50

IA-1

5015 RAINIER
AVENUE SOUTH
PARCEL 5649600133

MW-19
(105.59)

107.00

107.50

MW-21/FB-21
(105.57)

MW-17/GLP-17
(105.59)

MW-5/GP-2

MW-3/SB-3
(105.75)

MW-13/GLP-12
(107.56)

MW-4/SB-4
(105.90)

OA-1

5021 RAINIER AVENUE SOUTH
PARCEL 5649600120

MW-16/GLP-16
(107.32)

MW-8/GP-5
(105.96)

FB-29

GLP-13

FB-25

GLP-11

IA-6

IA-4

FB-28

IA-3

FB-24
(107.51)

IA-5

MW-7/GP-4

FB-26

FLOOR-DRAIN
SUMP

FB-27

MW-12/GLP-10
(107.36)

GLP-08

MW-11/GLP-09
(107.87)

GLP-07

IA-2

FUEL OIL UST

107.50

107.00

106.50

MW-15/GLP-15
(106.11)

MW-14/GLP-14
(106.93)

N

0 15 30

SCALE IN FEET

LEGEND

- BASEMENT INDOOR AIR SAMPLING LOCATION
- FIRST FLOOR INDOOR AIR SAMPLING LOCATION
- OUTDOOR AIR SAMPLING LOCATION
- DECOMMISSIONED MONITORING WELL
- MONITORING WELL
- BORING (FARALLON)
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- BORING (KLEINFELDER)
- SUMP SEDIMENT SAMPLE
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- A A' LINE OF CROSS SECTION
- UST = UNDERGROUND STORAGE TANK
- (107.87) GROUNDWATER ELEVATION MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- [104.26] GROUNDWATER ELEVATION NOT USED IN CONTOURING
- 107.50 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
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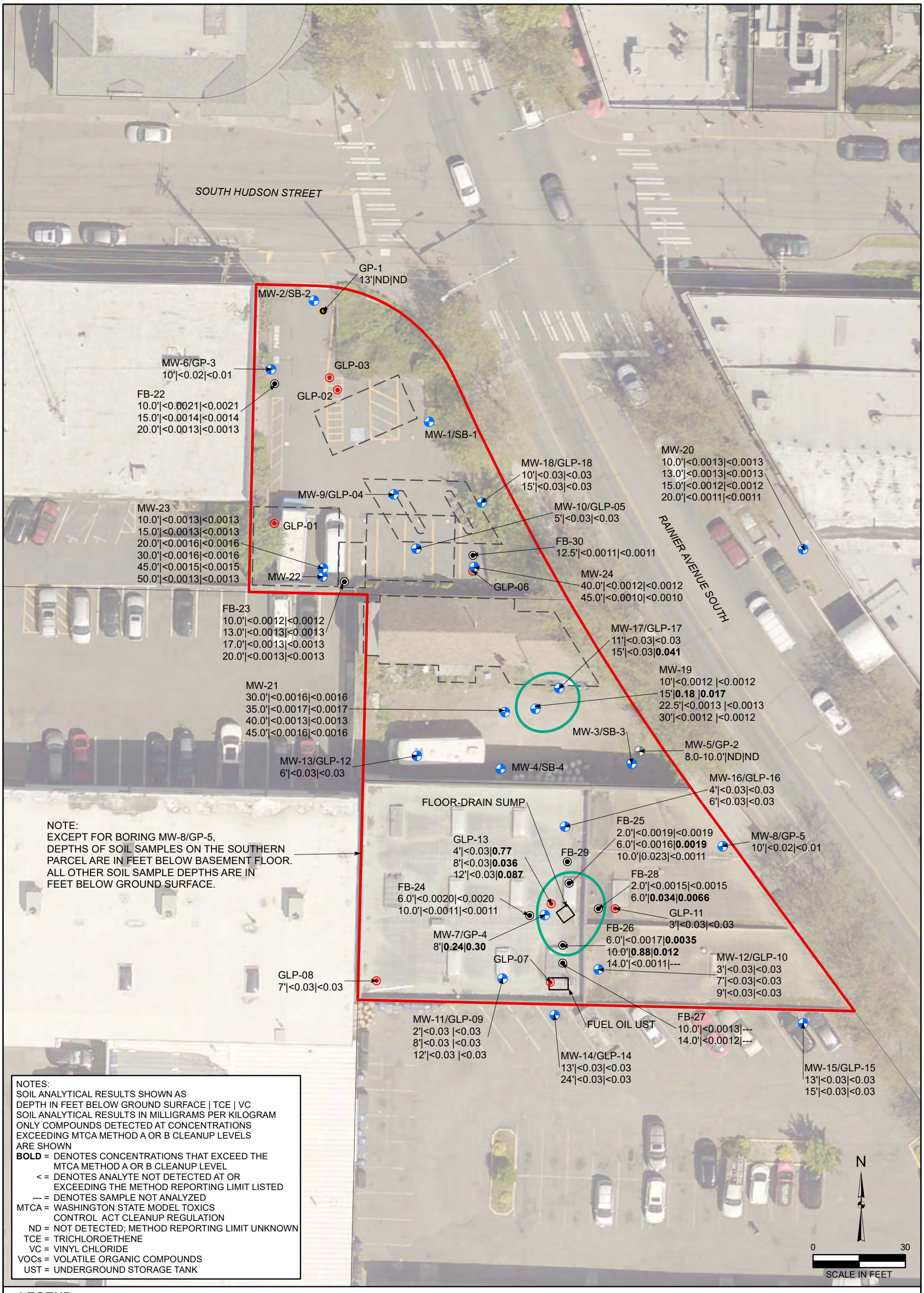
FIGURE 4

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

FARALLON PN: 1355-001

Drawn By: lmurock | Checked By: YP | Date: 3/29/2023 | Disc Reference:

Document Path: Q:\Projects\1355 Morningside\001 RainierAveS\Mapfiles\018\Figure-04_GW_Contours_202302.mxd



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

- MONITORING WELL
- 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)
- 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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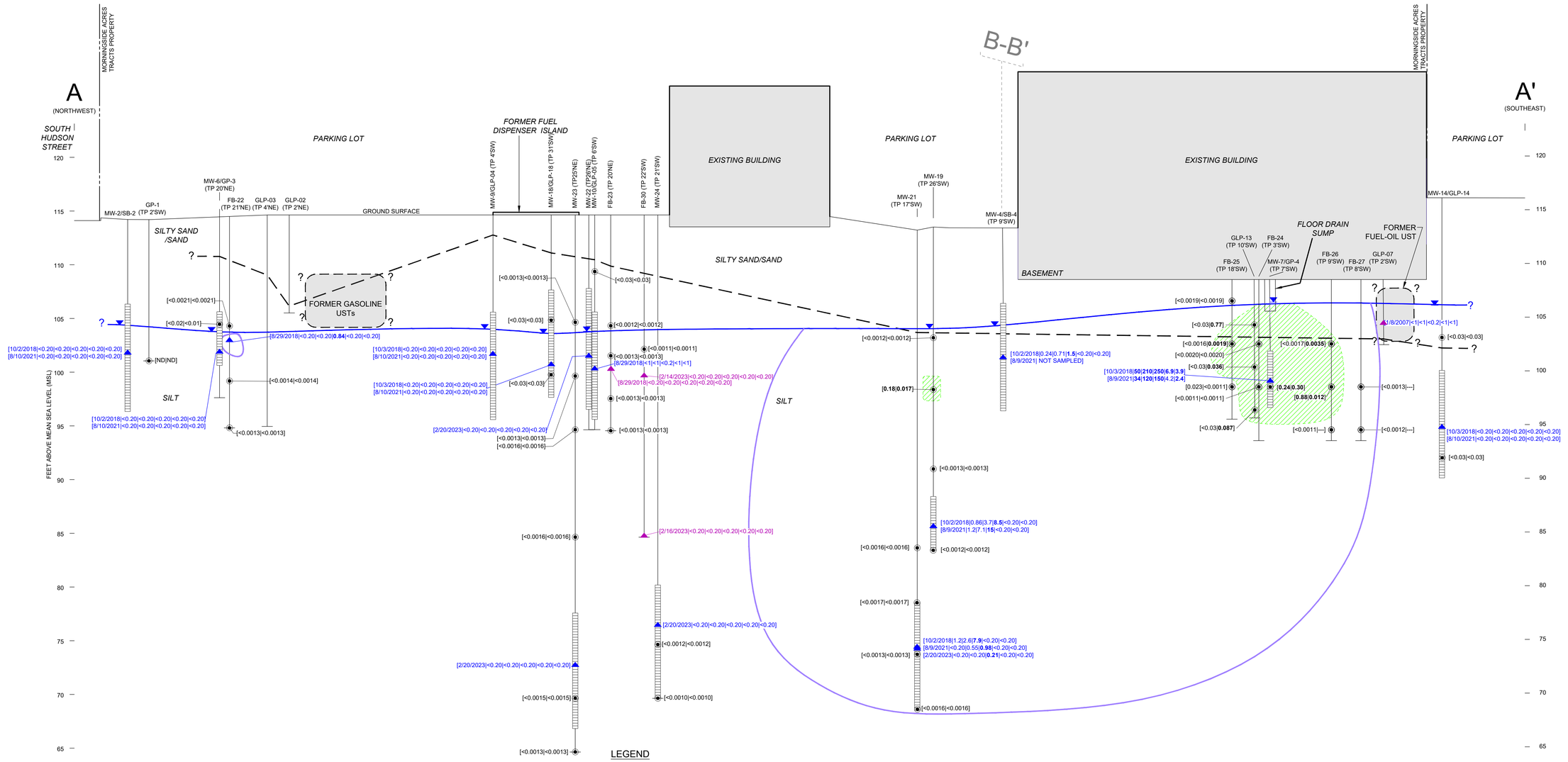
Document Path: Q:\Projects\1355 Morningside\001 RainierAveS\Mapfiles\018\Figure-05_Soil_VOCs.mxd



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)

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

LEGEND

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

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FIGURE 6

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

Drawn By: NM | Checked By: YP | Date: 4/3/2023

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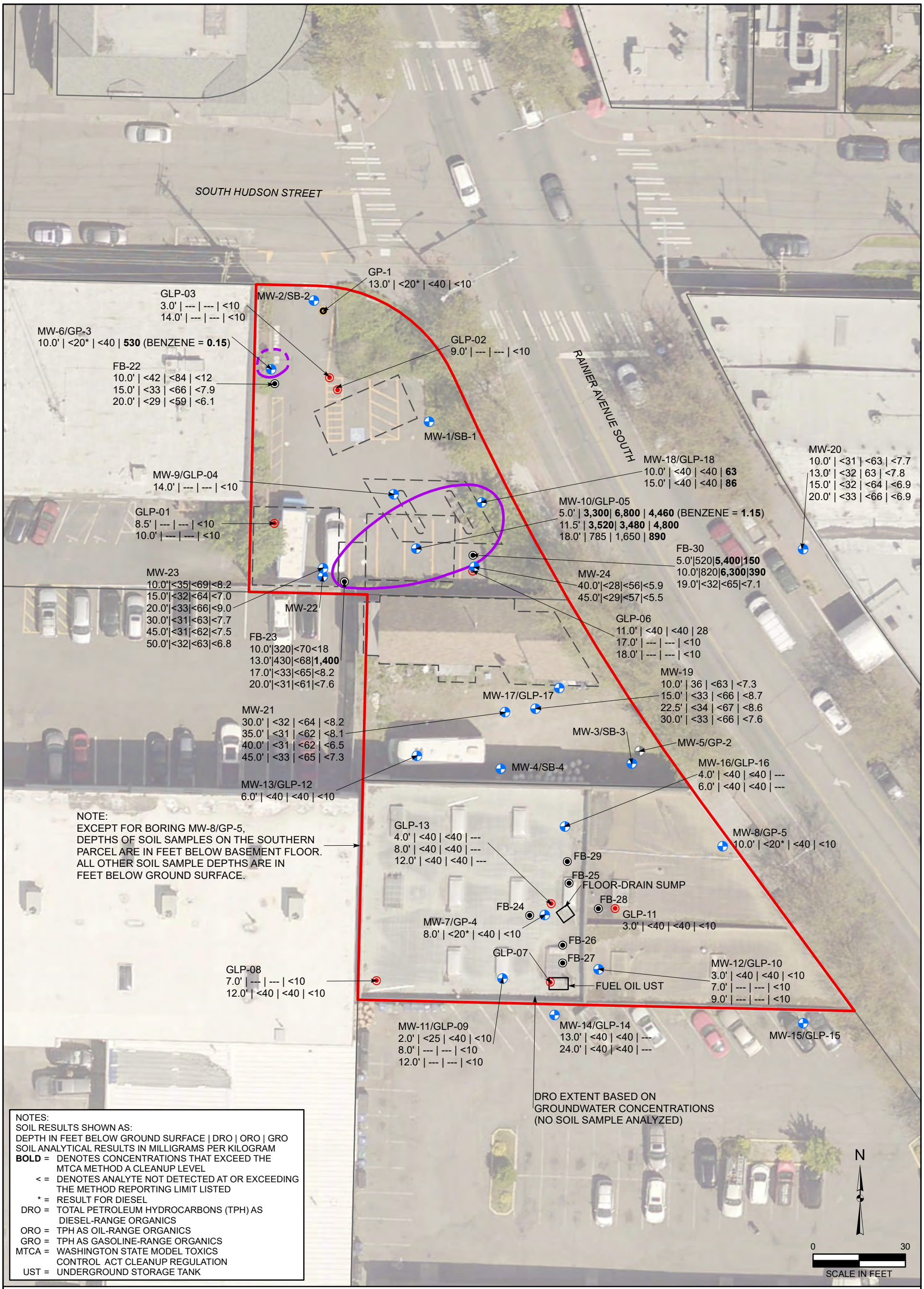

NOTES:
SOIL RESULTS SHOWN AS:
DEPTH IN FEET BELOW GROUND SURFACE | DRO | ORO | GRO
SOIL ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE MTCA METHOD A CLEANUP LEVEL
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE METHOD REPORTING LIMIT LISTED
* = RESULT FOR DIESEL
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
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
- MONITORING WELL
- BORING (FARALLON)
- BORING (G-LOGICS)
- BORING (KLEINFELDER)
- ESTIMATED EXTENT OF PETROLEUM IMPACTS IN SOIL EXCEEDING MTCA METHOD A CLEANUP LEVEL (DASHED WHERE INFERRED)
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
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FIGURE 7

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: YP | Date: 3/31/2023 | Disc Reference:

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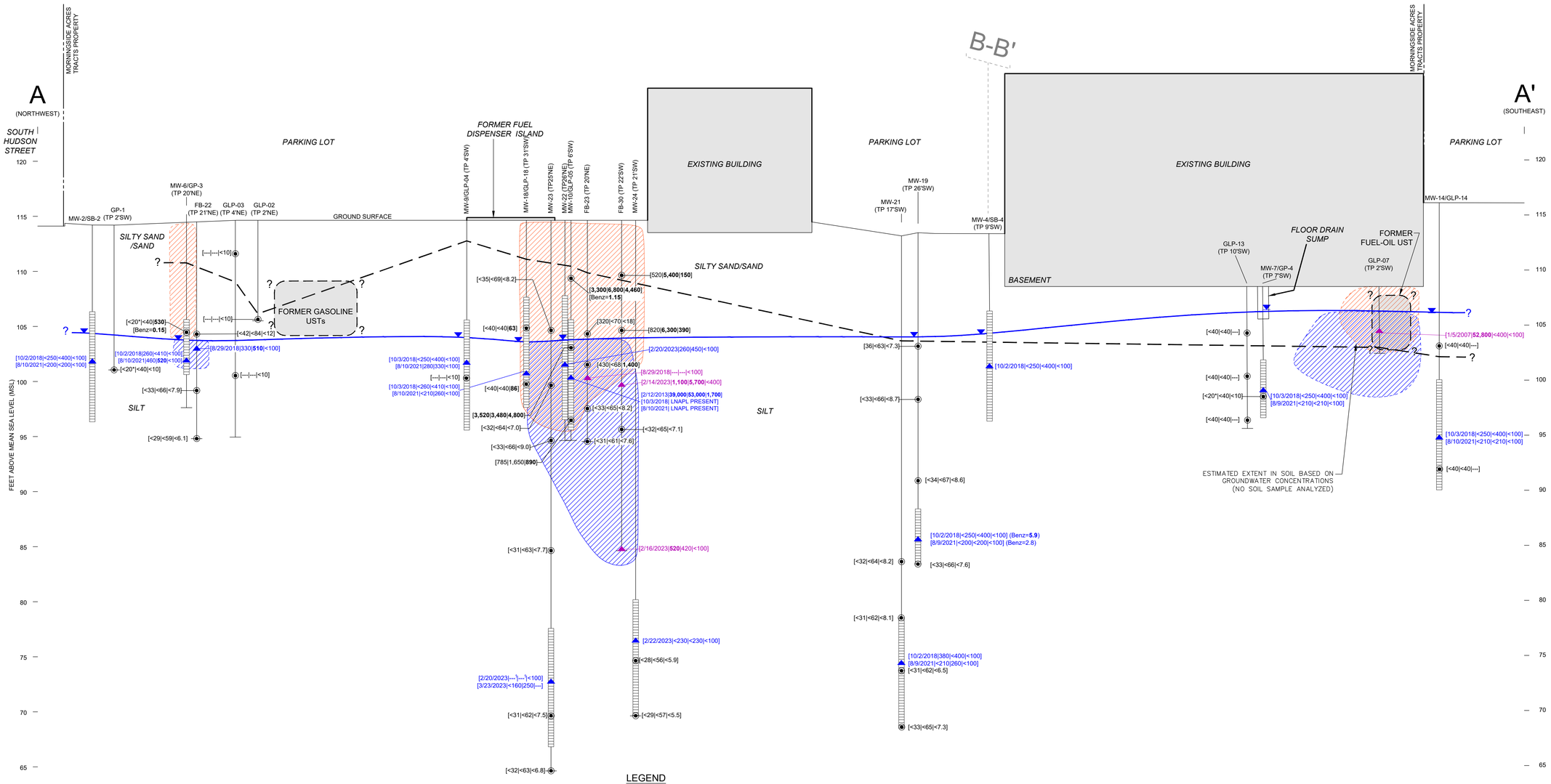

LEGEND

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)

SOIL SAMPLE

GROUNDWATER SAMPLE

RECONNAISSANCE GROUNDWATER SAMPLE

WELL SCREEN INTERVAL

ESTIMATED EXTENT OF PETROLEUM HYDROCARBONS IN SOIL EXCEEDING MTCA METHOD A CLEANUP LEVELS (DASHED WHERE INFERRED)

ESTIMATED EXTENT OF PETROLEUM HYDROCARBONS IN GROUNDWATER EXCEEDING MTCA METHOD A CLEANUP LEVELS (DASHED WHERE INFERRED)

[2/22/2023|<230|<230|<100]	GROUNDWATER RESULTS FOR (DRO|ORO|GRO) IN MICROGRAMS PER LITER (MOST RECENT RESULTS SHOWN AT EACH LOCATION)
[2/16/2023|**520**|420|<100]	RECONNAISSANCE GROUNDWATER SAMPLE
[<40|<40|<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
*	RESULT FOR DIESEL
Benz	BENZENE
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.

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FIGURE 8

CROSS-SECTION A-A'
PETROLEUM HYDROCARBONS
MORNINGSIDE ACRES TRACTS
5001, 5015, AND 5021 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
FARALLON PN:1355-001

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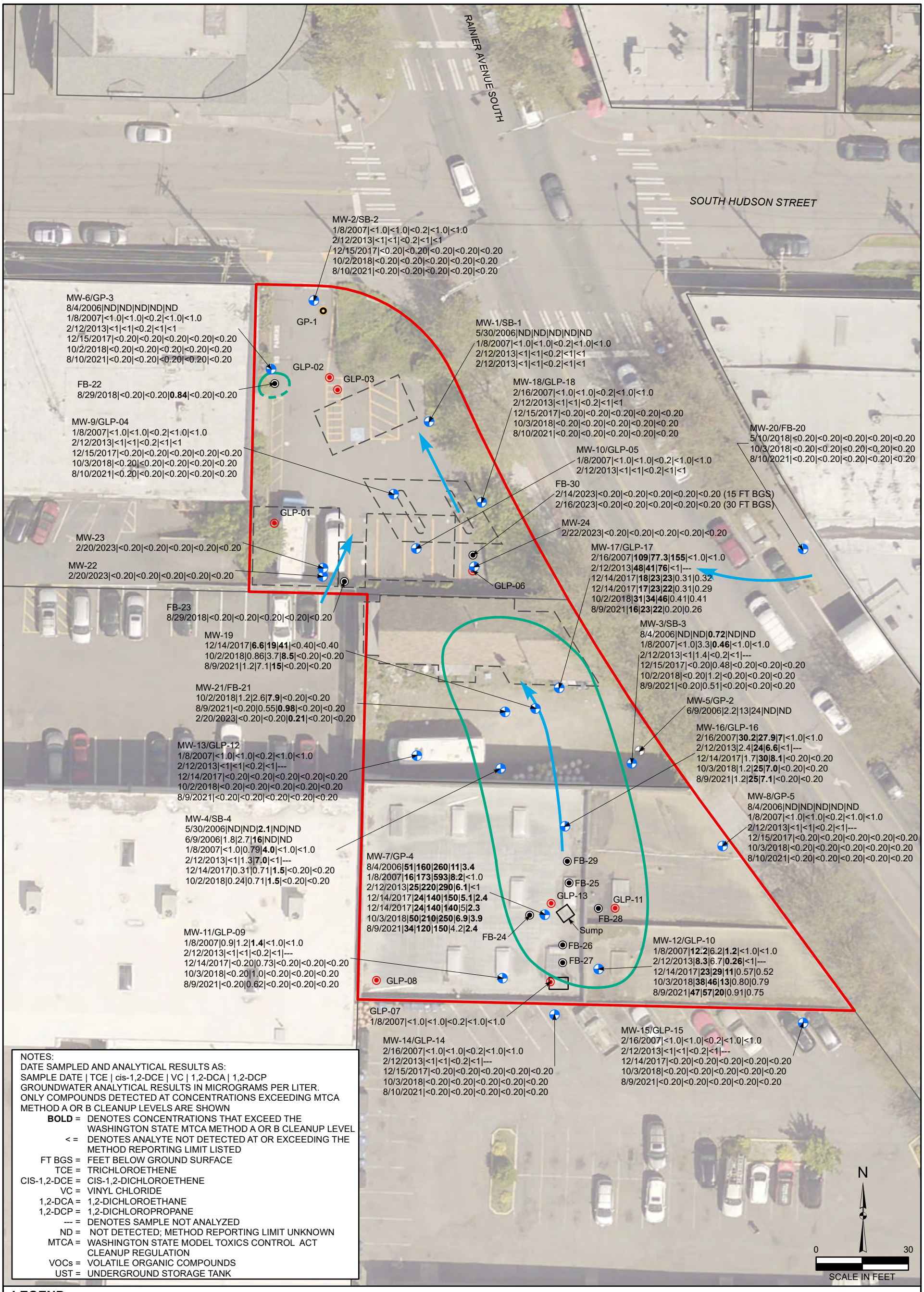

NOTES:
DATE SAMPLED AND ANALYTICAL RESULTS AS:
SAMPLE DATE | TCE | cis-1,2-DCE | VC | 1,2-DCA | 1,2-DCP
GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER.
ONLY COMPOUNDS DETECTED AT CONCENTRATIONS EXCEEDING MTCA METHOD A OR B CLEANUP LEVELS ARE SHOWN

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
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
- MONITORING WELL
- 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
- PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
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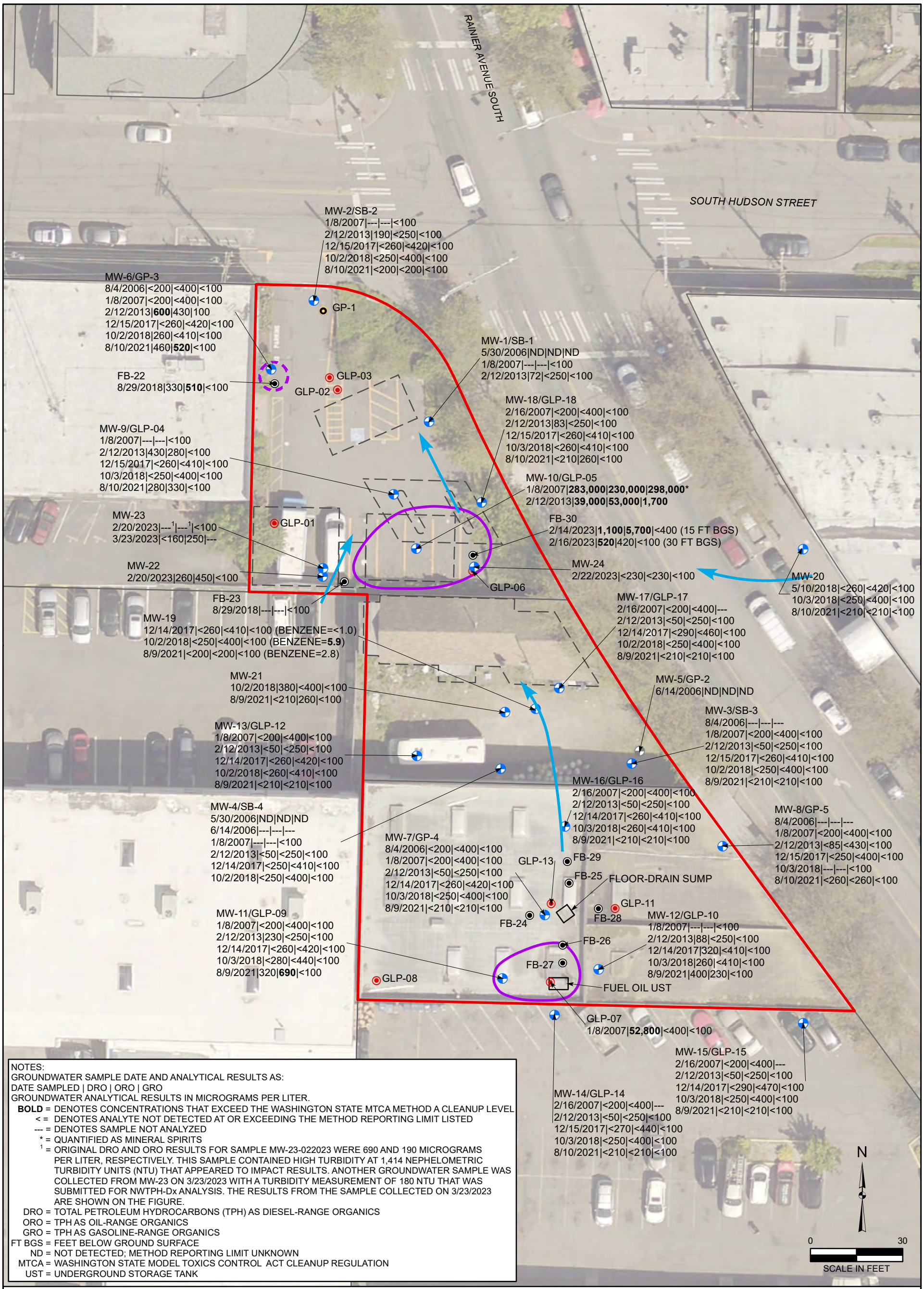
FIGURE 9

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

FARALLON PN: 1355-001

Drawn By: lmurock | Checked By: YP | Date: 3/31/2023 | Disc Reference:

Document Path: Q:\Projects\1355 Morningside\001 RainierAveS\Mapfiles\018\Figure-09_GW_VOCs.mxd



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
- ORO = TPH AS OIL-RANGE ORGANICS
- GRO = TPH AS GASOLINE-RANGE ORGANICS
- FT BGS = FEET BELOW GROUND SURFACE
- ND = NOT DETECTED; METHOD REPORTING LIMIT UNKNOWN
- MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION
- UST = UNDERGROUND STORAGE TANK

LEGEND

- DECOMMISSIONED MONITORING WELL
- MONITORING WELL
- 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
- APPROXIMATE PROPERTY BOUNDARY
- KING COUNTY PARCEL BOUNDARY

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
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FIGURE 10

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

FARALLON PN: 1355-001

Drawn By: lmurock | Checked By: YP | Date: 4/3/2023 | Disc Reference:

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TABLES

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

Farallon PN: 1355-001

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

Location	Well Installation Date	Well Diameter (inches)	Top of Casing Elevation (feet NAVD88)[1]	Screened Interval (feet)[2]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]	Comments
MW-1	5/25/2006	2	114.87	8 - 18	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	---
MW-2	5/25/2006	2	114.38	8 - 18	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	---
MW-3	5/25/2006	2	114.97	8 - 18	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	---
MW-4	5/25/2006	2	112.99	6.5 - 16.5	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	---

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

Location	Well Installation Date	Well Diameter (inches)	Top of Casing Elevation (feet NAVD88)[1]	Screened Interval (feet)[2]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]	Comments
MW-5	6/8/2006	0.75	114.85	9 - 13	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	---	---
MW-6	8/2/2006	0.75	115.15	9.5 - 14.5	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	---
MW-7	8/2/2006	0.75	108.29	6.5 - 11.5	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	Petroleum odor
					10/2/2018	2.21	106.08	---
					8/9/2021	1.70	106.59	---
					2/20/2023	0.78	107.51	---
MW-8	8/2/2006	0.75	116.28	9.5 - 14.5	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	---

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

Location	Well Installation Date	Well Diameter (inches)	Top of Casing Elevation (feet NAVD88)[1]	Screened Interval (feet)[2]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]	Comments
MW-9	1/5/2007	0.75	114.65	9 - 19	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	Petroleum odor
					8/9/2021	9.90	104.80	---
					2/20/2023	8.91	105.74	---
MW-10	1/5/2007	0.75	114.58	9 - 19	1/5/2007	8.58	106.00	---
					1/10/2007	8.65	105.93	---
					2/20/2007	9.35	105.23	NAPL present
					2/12/2013	9.74	104.84	---
					12/14/2017	9.94	104.64	NAPL present
					10/2/2018	10.54	104.04	NAPL present
					8/9/2021	10.28	104.40	NAPL present
					2/20/2023	10.32	104.26	NAPL present
					3/16/2023	9.85	104.73	NAPL NM
MW-11	1/8/2007	0.75	108.47	3 - 13	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	---
MW-12	1/8/2007	0.75	109.17	3 - 8	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	Petroleum odor
					10/2/2018	3.11	106.06	---
					8/9/2021	2.58	106.59	---
					2/20/2023	1.81	107.36	---

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

Location	Well Installation Date	Well Diameter (inches)	Top of Casing Elevation (feet NAVD88)[1]	Screened Interval (feet)[2]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]	Comments
MW-13	1/8/2007	0.75	111.82	5 - 15	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	---
MW-14	2/16/2007	0.75	115.89	16 - 26	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	---
MW-15	2/16/2007	0.75	115.92	7 - 17	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	---
MW-16	2/16/2007	0.75	108.68	2 - 6	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	---
MW-17	2/16/2007	0.75	113.61	6 - 16	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	---

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

Location	Well Installation Date	Well Diameter (inches)	Top of Casing Elevation (feet NAVD88)[1]	Screened Interval (feet)[2]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]	Comments
MW-18	2/16/2007	0.75	114.79	7 - 17	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	---
MW-19	12/11/2017	2	113.31	25 - 30	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	---
MW-20	4/13/2018	2	114.75	15 - 25	10/2/2018	8.83	105.92	---
					8/9/2021	9.07	105.68	---
					2/24/2023	8.72	106.03	---
MW-21	8/28/2018	2	112.86	35 - 45	10/2/2018	8.52	104.34	---
					8/9/2021	8.01	104.85	---
					2/20/2023	7.29	105.57	---
MW-22	2/14/2023	2	115.31	8-18	2/20/2023	9.46	105.85	---
					3/16/2023	9.45	105.86	---
MW-23	2/14/2023	2	115.37	38-48	2/20/2023	42.23	73.14	---
					3/16/2023	30.50	84.87	---
MW-24	2/14/2023	2	114.91	35-45	2/20/2023	13.37	101.54	---
					3/16/2023	9.14	105.77	---

NOTES:

[1] In feet above mean sea level.

[2] In feet below top of well casing.

NAVD88 = North American Vertical Datum of 1988

NAPL = 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
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**
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**
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**

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
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
	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
	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
	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
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
	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
	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
	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
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
	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
	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
	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
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
	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
	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
	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
	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
	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
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
	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
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
	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
	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
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**
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**
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**

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
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
	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
	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
	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
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
	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
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
	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
	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
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
	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
	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
	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
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
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**
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**
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**

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.

[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

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	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
GP-1	Kleinfelder	GP1-4@13'	13	6/8/2006	< 20	< 40	---	< 40[1]	< 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]	**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]	< 10	< 0.02	< 0.05	< 0.05	< 0.05	5.6
GP-5	Kleinfelder	GP5-3a	10	8/2/2006	< 20	< 40	---	< 40[1]	< 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]**	**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]**	**---**	**---**	---	---	---	---
	G-Logics	GLP-05-11.5	11.5	1/5/2007	< 25	---	**3,520[3]**	**3,480[1]**	**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]	**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]	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]	< 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]	---	---	---	---	---	---
GLP-09	G-Logics	GLP-09-2	2.0 feet bbf	1/5/2007	< 25	---	< 40[3]	< 40[1]	< 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]	< 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]**	**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	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]	< 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]	< 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]	< 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]	---	< 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]	---	< 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]	---	< 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]	---	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-14-24	24.0	2/16/2007	< 25	---	< 40[3]	< 40[1]	---	< 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]	---	< 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]	---	< 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]	**63**	< 0.02	< 0.02	< 0.03	< 0.03	---
	G-Logics	GLP-18-15	15.0	2/16/2007	< 25	---	< 40[3]	< 40[1]	**86**	< 0.02	< 0.02	< 0.03	< 0.03	---
MW-19	Farallon	MW-19-10.0	10.0	12/11/2017	---	---	36	< 63	< 7.3	< 0.020	< 0.073	< 0.073	< 0.146	---
	Farallon	MW-19-15.0	15.0	12/11/2017	---	---	< 33	< 66	< 8.7	< 0.020	< 0.087	< 0.087	< 0.174	---
	Farallon	MW-19-22.5	22.5	12/12/2017	---	---	< 34	< 67	< 8.6	< 0.020	< 0.086	< 0.086	< 0.172	---
	Farallon	MW-19-30.0	30.0	12/12/2017	---	---	< 33	< 66	< 7.6	< 0.020	< 0.076	< 0.076	< 0.152	---
MW-20	Farallon	FB-20-10.0	10.0	4/13/2018	---	---	< 31	< 63	< 7.7	< 0.020	< 0.077	< 0.077	< 0.154	---
	Farallon	FB-20-13.0	13.0	4/13/2018	---	---	< 32	63	< 7.8	< 0.020	< 0.078	< 0.078	< 0.156	---
	Farallon	MW-20-15.0	15.0	5/8/2018	---	---	< 32	< 64	< 6.9	< 0.0012	< 0.0060	< 0.0012	< 0.0072	---
	Farallon	MW-20-20.0	20.0	5/8/2018	---	---	< 33	< 66	< 6.9	< 0.0011	< 0.0054	< 0.0011	< 0.0065	---
MW-21	Farallon	MW-21-30	30.0	8/28/2018	---	---	< 32	< 64	< 8.2	< 0.0016	< 0.0078	< 0.0016	< 0.0094	---
	Farallon	MW-21-35	35.0	8/28/2018	---	---	< 31	< 62	< 8.1	< 0.0017	< 0.0085	< 0.0017	< 0.0102	---
	Farallon	MW-21-40	40.0	8/28/2018	---	---	< 31	< 62	< 6.5	< 0.0013	< 0.0067	< 0.0013	< 0.0080	---
	Farallon	MW-21-45	45.0	8/28/2018	---	---	< 33	< 65	< 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]**	**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	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
MW-23	Farallon	MW-23-10.0	10.0	2/14/2023	---	---	< 35	< 69	< 8.2	< 0.020	< 0.082	< 0.082	< 0.164	---
	Farallon	MW-23-15.0	15.0	2/14/2023	---	---	< 32	< 64	< 7.0	< 0.020	< 0.070	< 0.070	< 0.140	---
	Farallon	MW-23-20.0	20.0	2/14/2023	---	---	< 33	< 66	< 9.0	< 0.020	< 0.090	< 0.090	< 0.180	---
	Farallon	MW-23-30.0	30.0	2/14/2023	---	---	< 31	< 63	< 7.7	< 0.020	< 0.077	< 0.077	< 0.154	---
	Farallon	MW-23-45.0	45.0	2/15/2023	---	---	< 31	< 62	< 7.5	< 0.020	< 0.075	< 0.075	< 0.150	---
	Farallon	MW-23-50.0	50.0	2/15/2023	---	---	< 32	< 63	< 6.8	< 0.020	< 0.068	< 0.068	< 0.136	---
MW-24	Farallon	FB-30-40.0	40.0	2/16/2023	---	---	< 28	< 56	< 5.9	< 0.020	< 0.059	< 0.059	< 0.118	---
	Farallon	FB-30-45.0	45.0	2/16/2023	---	---	< 29	< 57	< 5.5	< 0.020	< 0.055	< 0.055	< 0.11	---
FB-22	Farallon	FB-22-10	10.0	8/29/2018	---	---	< 42	< 84	< 12	< 0.0021	< 0.011	< 0.0021	< 0.0131	---
	Farallon	FB-22-15	15.0	8/29/2018	---	---	< 33	< 66	< 7.9	< 0.0014	< 0.0068	< 0.0014	< 0.0082	---
	Farallon	FB-22-20	20.0	8/29/2018	---	---	< 29	< 59	< 6.1	< 0.0013	< 0.0063	< 0.0013	< 0.0076	---
FB-23	Farallon	FB-23-10	10.0	8/29/2018	---	---	320	< 70	< 18	< 0.0012	< 0.0059	< 0.0012	< 0.0071	---
	Farallon	FB-23-13	13.0	8/29/2018	---	---	430	< 68	**1,400**	< 0.0013	< 0.0067	< 0.0013	< 0.0080	---
	Farallon	FB-23-17	17.0	8/29/2018	---	---	< 33	< 65	< 8.2	< 0.0013	< 0.0063	< 0.0013	< 0.0076	---
	Farallon	FB-23-20	20.0	8/29/2018	---	---	< 31	< 61	< 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**	**150**	< 0.020	< 0.081	< 0.081	0.15	---
	Farallon	FB-30-10.0	10.0	2/14/2023	---	---	820 N	**6,300**	**390**	< 0.020	< 0.076	0.12	0.21	---
	Farallon	FB-30-19.0	19.0	2/14/2023	---	---	< 32	< 65	< 7.1	< 0.020	< 0.071	< 0.071	< 0.142	---
MTCA Method A Cleanup Level[4]					**2,000**	**4,000**	**2,000**	**2,000[5]**	**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.

[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

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
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
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
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
	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
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
	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
	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
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
	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
	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
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
	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
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]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**

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
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
	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
	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
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**
	Farallon	12/14/2017	DUP-1-121417	< 1.0	**24**	**140**	3.5	2.7	5.0	**140**	< 5.0	**2.3**
	Farallon	10/3/2018	MW-7-100318	< 2.0	**50**	**210**	5.0	4.2	**6.9**	**250**	< 10	**3.9**
	Farallon	8/9/2021	MW-7-080921	< 0.80	**34**	**120**	2.6	2.5	4.2	**150**	< 4.0	**2.4**
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
	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
	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
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
	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
	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
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]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**

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
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
	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
	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
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
	Farallon	10/3/2018	MW-12-100318	< 0.40	**38**	**46**	4.5	1.1	0.80	**13**	< 2.0	0.79
	Farallon	8/9/2021	MW-12-080921	< 0.40	**47**	**57**	4.7	1.2	0.91	**20**	< 2.0	0.75
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
	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
	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
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
	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
	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
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
	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
	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
MTCA Method A Cleanup Level[2]				**5**	**5**	**16[3]**	**160[3]**	**400[3]**	**5**	**0.2**	**NE**	**1.22[3]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**

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
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
	Farallon	10/3/2018	MW-16-100318	< 0.20	1.2	**25**	5.4	0.44	< 0.20	**7.0**	< 1.0	< 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
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
	Farallon	12/14/2017	DUP-2-121417	< 0.20	**17**	**23**	8.3	0.89	0.31	**22**	7.9	0.29
	Farallon	10/2/2018	MW-17-100218	< 0.40	**31**	**34**	15	2.3	0.41	**46**	22	0.41
	Farallon	8/9/2021	MW-17-080921	< 0.20	**16**	**23**	8.8	1.2	0.20	**22**	4.2	0.26
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
	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
	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
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
	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
	Farallon	8/9/2021	MW-19-080921	< 0.20	1.2	7.1	0.51	< 0.20	< 0.20	**15**	< 1.0	< 0.20
MTCA Method A Cleanup Level[2]				**5**	**5**	**16[3]**	**160[3]**	**400[3]**	**5**	**0.2**	**NE**	**1.22[3]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**

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
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
	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
	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
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
	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
	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
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
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
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
MTCA Method A Cleanup Level[2]				**5**	**5**	**16[3]**	**160[3]**	**400[3]**	**5**	**0.2**	**NE**	**1.22[3]**
MTCA Method B Vapor Intrusion Screening Level[4]				**25**	**1.4**	**180**	**77**	**130**	**3.5**	**0.33**	**15,000**	**10**

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.
[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-
[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

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)								
				NWTPH-Dx			NWTPH-Gx	EPA Method 8021 or 8260				EPA Method 8011
				DRO	Mineral Oil	ORO	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]	< 100[3]	< 1.0	1.9	< 1.0	6.4	---
FB-22	Farallon	8/29/2018	FB-22-GW	330	---	**510**	< 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**	< 400	< 4.0	< 4.0	< 4.0	< 8.0	---
	Farallon	2/16/2023	FB-30-30.0-GW-021623	**520**	---	420	< 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	---
	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	< 100	< 0.35	< 1	< 1	< 2	---
	RGI	2/12/2013	MW-100-021213	59	---	< 250	---	< 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	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-2-121517	< 260	---	< 420	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-2-100218	< 250	---	< 400	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0097
	Farallon	8/10/2021	MW-2-081021	< 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]	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-3-021213	< 50	---	< 250	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-3-121517	< 260	---	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-3-100218	< 250	---	< 400	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0096
	Farallon	8/9/2021	MW-3-080921	< 210	---	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500[5]**	**800/1,000[6]**	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**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	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-Dibromoethane
MW-4	Kleinfelder	5/30/2006	MW-4-053006	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	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-4-121417	< 250	---	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-4-100218	< 250	---	< 400	< 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	---
MW-6	Kleinfelder	8/4/2006	MW-6-080406	< 200[1]	< 400	< 400[2]	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-6	< 200[1]	< 400	< 400[2]	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-6-021213	**600** < 50 SG	---	430 < 250 SG	100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-6-121517	< 260	---	< 420	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-6-100218	260	---	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0097
	Farallon	8/10/2021	MW-6-081021	460	---	**520**	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-7	Kleinfelder	8/4/2006	MW-7-080406	< 200[1]	< 400	< 400[2]	< 100[3]	< 1.0	2.2	< 1.0	< 1.0	---
	G-Logics	1/8/2007	MW-7	< 200[1]	< 400	< 400[2]	< 100[3]	1.4	2.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-7-021213	< 50	---	< 250	< 100	0.55	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-7-121417	< 260	---	< 420	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	12/14/2017	DUP-1-121417	< 260	---	< 420	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-7-100318	< 250	---	< 400	< 100	< 2.0	< 10	< 2.0	< 6.0	< 0.0097
	Farallon	8/9/2021	MW-7-080921	< 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]	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-8-021213	< 85	---	< 430	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-8-121517	< 250	---	< 400	< 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	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500[5]**	**800/1,000[6]**	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**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

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)								
				NWTPH-Dx			NWTPH-Gx	EPA Method 8021 or 8260				EPA Method 8011
				DRO	Mineral Oil	ORO	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	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-9-121517	< 260	---	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-9-100318	< 250	---	< 400	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0098
	Farallon	8/10/2021	MW-9-081021	280	---	330	< 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]**	**298,000[8]**	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-10-021213	**39,000**	---	**53,000**	**1,700**	< 0.35	< 1	< 1	< 2	---
MW-11	G-Logics	1/8/2007	MW-11	< 200[1]	< 400	< 400[2]	< 100[3]	1.2	3.2	< 1.0	3.2	---
	RGI	2/12/2013	MW-11-021213	230	---	< 250	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-11-121417	< 260	---	< 420	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-11-100318	< 280	---	< 440	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0098
	Farallon	8/9/2021	MW-11-080921	320	---	**690**	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-12	G-Logics	1/8/2007	MW-12	< 200[1]	< 400	< 400[2]	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-12-021213	88	---	< 250	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-12-121417	320	---	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-12-100318	260	---	< 410	< 100	< 0.40	< 2.0	< 0.40	< 1.20	< 0.0097
	Farallon	8/9/2021	MW-12-080921	400	---	230	< 100	< 0.40	< 2.0	< 0.40	< 1.20	---
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	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/14/2017	MW-13-121417	< 260	---	< 420	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-13-100218	< 260	---	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0099
	Farallon	8/9/2021	MW-13-080921	< 210	---	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500[5]**	**800/1,000[6]**	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**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

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

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)								
				NWTPH-Dx			NWTPH-Gx	EPA Method 8021 or 8260				EPA Method 8011
				DRO	Mineral Oil	ORO	GRO	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-Dibromoethane
MW-18	G-Logics	2/16/2007	MW-18	< 200[1]	< 400	< 400[2]	< 100[3]	< 1.0	< 1.0	< 1.0	< 1.0	---
	RGI	2/12/2013	MW-18-021213	83	---	< 250	< 100	< 0.35	< 1	< 1	< 2	---
	Farallon	12/15/2017	MW-18-121517	< 260	---	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/3/2018	MW-18-100318	< 260	---	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0096
	Farallon	8/10/2021	MW-18-081021	< 210	---	260	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-19	Farallon	12/14/2017	MW-19-121417	< 260	---	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
	Farallon	10/2/2018	MW-19-100218	< 250	---	< 400	< 100	**5.9**	< 1.0	< 0.20	< 0.60	< 0.0097
	Farallon	8/9/2021	MW-19-080921	< 200	---	< 200	< 100	2.8	< 1.0	< 0.20	< 0.60	---
MW-20	Farallon	5/10/2018	MW-20-051018	< 260	---	< 420	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
	Farallon	10/3/2018	MW-20-100318	< 250	---	< 400	< 100	< 0.20	< 1.0	< 0.20	< 0.60	< 0.0098
	Farallon	8/10/2021	MW-20-081021	< 210	---	< 210	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-21	Farallon	10/2/2018	MW-21-100218	380	---	< 400	< 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	< 100	< 0.20	< 1.0	< 0.20	< 0.60	---
MW-22	Farallon	2/20/2023	MW-22-022023	260	---	450	< 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]	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
MW-24	Farallon	2/22/2023	MW-24-022223	< 230	---	< 230	< 100	< 1.0	< 1.0	< 1.0	< 2.0	---
MTCA Method A Cleanup Level[4]				**500**	**500**	**500[5]**	**800/1,000[6]**	**5**	**1,000**	**700**	**1,000**	**0.01**
MTCA Method B Vapor Intrusion Screening Level[7]				**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.

[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
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

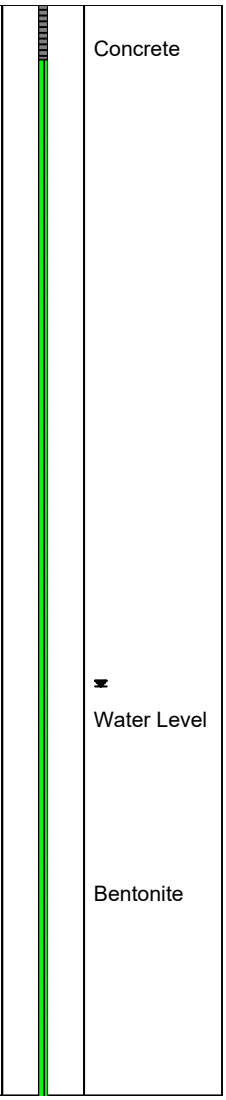
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY ADDENDUM
Morningside Acres Tracts
5001, 5015, 5021 Rainier Avenue South
Seattle, Washington

Farallon PN: 1355-001

Log of Boring: FB-30

Client:	Washin Murakami	**Date/Time Started:**	2/13/23 0840	**Depth to Water ATD (ft bgs):**	12.5
Project:	Morningside Acres Tract	**Date/Time Completed:**	2/14/23 1600	**Boring Diameter (in):**	6.0
Location:	Seattle, WA	**Drilling Company:**	Holt	**Total Boring Depth (ft bgs):**	30.0
Farallon PN:	1355-001	**Drilling Method:**	Sonic	**Constructed Well Depth (ft bgs):**	NA
Logged By:	M. Ysaguirre	**Drilling Equipment:**	TSI 150		
Reviewed By:	Y. Pehlivan	**Drilling Operator:**	Rodney LeBrosse Jr.		
		Sampler Type:	5' Core Barrel		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-0.2': Asphalt. Clear to 5.0' bgs for utilities.	AC				
		0.2-5.4': Silty SAND (70% sand, 25% silt, 5% gravel), fine sand and gravel, dark gray, dry, petroleum-like odor.	SM	100	32.5	FB-30-2.5	
5				20	42.6	FB-30-5.0	X
		5.4-10.0': No recovery.					
10		10.0-14.0': Sandy SILT (60% silt, 30% sand, 10% gravel), fine sand and gravel, moderate plasticity, dark gray, wet, petroleum-like odor. Sheen present on water.	ML	100	55.3	FB-30-10.0	X
					20.3	FB-30-12.5	
		14.0-17.5': Silty GRAVEL (50% gravel, 40% silt, 10% sand), fine gravel and sand, dark gray, moist, dry at 16.0', no odor.	GM	100	0.5	FB-30-15.0-GW-021423	X
15		17.5-20.0': Silty SAND (50% sand, 40% silt, 10% gravel), fine sand and gravel, dark gray, dry, no odor.	SM		1.8		
20					1.1	FB-30-19.0	X



Well Construction Information

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

Log of Boring: FB-30

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

Date/Time Started: 2/13/23 0840
Date/Time Completed: 2/14/23 1600
Drilling Company: Holt
Drilling Method: Sonic
Drilling Equipment: TSI 150
Drilling Operator: Rodney LeBrosse Jr.
Sampler Type: 5' Core Barrel

Depth to Water ATD (ft bgs): 12.5
Boring Diameter (in): 6.0
Total Boring Depth (ft bgs): 30.0
Constructed Well Depth (ft bgs): NA

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		20.0-30.0': Silty SAND (50% sand, 40% silt, 10% gravel), fine sand and gravel, dark gray, dry, no odor.	SM		100	3.2			Bentonite
					100	3.0	FB-30-30.0-GW-021623		
30						2.6	FB-30-30.0	X	
35									
40									

Well Construction Information

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

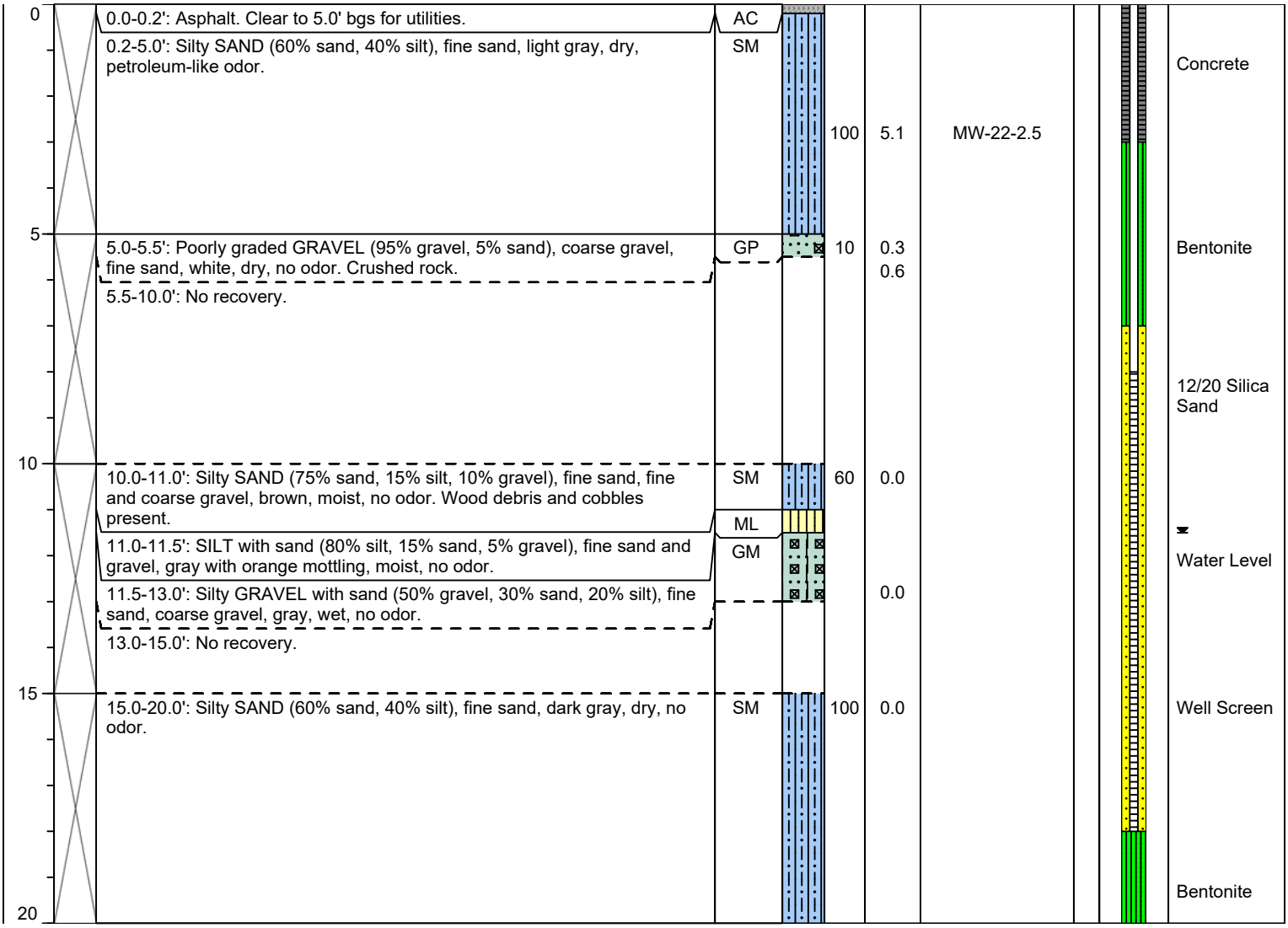
FARALLON CONSULTING

Log of Boring: MW-22

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

Date/Time Started:	2/13/23 0915	**Depth to Water ATD (ft bgs):**	11.5
Date/Time Completed:	2/13/23 1510	**Boring Diameter (in):**	6.0
Drilling Company:	Holt	**Total Boring Depth (ft bgs):**	20.0
Drilling Method:	Sonic	**Constructed Well Depth (ft bgs):**	18.0
Drilling Equipment:	TSI 150		
Drilling Operator:	Rodney LeBrosse Jr.		
Sampler Type:	5' Core Barrel		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-0.2': Asphalt. Clear to 5.0' bgs for utilities.	AC				
		0.2-5.0': Silty SAND (60% sand, 40% silt), fine sand, light gray, dry, petroleum-like odor.	SM	100	5.1	MW-22-2.5	
5		5.0-5.5': Poorly graded GRAVEL (95% gravel, 5% sand), coarse gravel, fine sand, white, dry, no odor. Crushed rock.	GP	10	0.3		
		5.5-10.0': No recovery.			0.6		
10		10.0-11.0': Silty SAND (75% sand, 15% silt, 10% gravel), fine sand, fine and coarse gravel, brown, moist, no odor. Wood debris and cobbles present.	SM	60	0.0		
		11.0-11.5': SILT with sand (80% silt, 15% sand, 5% gravel), fine sand and gravel, gray with orange mottling, moist, no odor.	ML / GM				
		11.5-13.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine sand, coarse gravel, gray, wet, no odor.			0.0		
		13.0-15.0': No recovery.					
15		15.0-20.0': Silty SAND (60% sand, 40% silt), fine sand, dark gray, dry, no odor.	SM	100	0.0		
20							



Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Silica Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** 1282022.68 **Y:** 206449.02
Screened Interval (ft bgs):	8.0-18.0	**Boring Abandonment:**	NA	**Unique Well ID:**	NA

Log of Boring: MW-23

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

Date/Time Started:	2/13/23 0940	**Depth to Water ATD (ft bgs):**	5.0
Date/Time Completed:	2/15/23 1355	**Boring Diameter (in):**	6.0
Drilling Company:	Holt	**Total Boring Depth (ft bgs):**	50.0
Drilling Method:	Sonic	**Constructed Well Depth (ft bgs):**	48.0
Drilling Equipment:	TSI 150		
Drilling Operator:	Rodney LeBrosse Jr.		
Sampler Type:	5' Core Barrel		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.2': Asphalt. Clear to 5.0' bgs for utilities.	AC						Concrete
		0.0 - 2.5': No recovery.							
		2.5-5.0': Poorly graded SAND with silt (90% sand, 10% silt), fine sand, dark brown, dry, no odor.	SP-SM						
5		5.0-7.0': Silty SAND (80% sand, 15% silt, 5% gravel), fine sand, fine and coarse gravel, brown, wet, no odor.	SM		80	0.8			Water Level
		7.0-9.0': Sandy SILT (70% silt, 25% sand, 5% gravel), fine sand and gravel, dark gray, dry, no odor.	ML			0.3			
		9.0-10.0': No recovery.							
10		10.0-11.0': Silty SAND (75% sand, 15% silt, 10% gravel), fine sand, fine and coarse gravel, brown, moist, no odor. Wood debris present.	SM		100	1.7	MW-23-10.0	X	
		11.0-11.5': SILT with sand (80% silt, 15% sand, 5% gravel), fine sand, coarse gravel, gray with orange mottling, moist, no odor.	ML						
		11.5-12.5': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), coarse gravel, fine sand, gray, wet, no odor.	GM			0.5			Bentonite
		12.5-15.0': SILT (100% silt), dark gray, wet, faint petroleum-like odor.	ML						
15		15.0-20.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine sand, fine and coarse gravel, gray, dry, no odor.	SM		100	20.5	MW-23-15.0	X	
						3.1			
20									

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Silica Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** 1282022.93 **Y:** 206453.44
Screened Interval (ft bgs):	38.0-48.0	**Boring Abandonment:**	NA	**Unique Well ID:**	NA

FARALLON CONSULTING

Log of Boring: MW-23

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

Date/Time Started:	2/13/23 0940	**Depth to Water ATD (ft bgs):**	5.0
Date/Time Completed:	2/15/23 1355	**Boring Diameter (in):**	6.0
Drilling Company:	Holt	**Total Boring Depth (ft bgs):**	50.0
Drilling Method:	Sonic	**Constructed Well Depth (ft bgs):**	48.0
Drilling Equipment:	TSI 150		
Drilling Operator:	Rodney LeBrosse Jr.		
Sampler Type:	5' Core Barrel		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		20.0-20.5': Poorly graded SAND with gravel (80% sand, 20% gravel), fine sand, fine and coarse gravel, white, dry, no odor. Cobbles present.	SP	100	1.4	MW-23-20.0	X	
		20.5-35.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine sand, coarse gravel, dark gray, dry, no odor.	SM		3.3			
25				100	7.3			Bentonite
					1.6			
30				100	2.0	MW-23-30.0	X	
					5.8			
35		35.0-44.0': Sandy SILT (60% silt, 30% sand, 10% gravel), fine sand and gravel, low plasticity, gray, dry, no odor.	ML	100	2.6			12/20 Silica Sand
								Well Screen
40								

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Silica Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location: X:** 1282022.93	**Y:** 206453.44
Screened Interval (ft bgs):	38.0-48.0	**Boring Abandonment:**	NA	**Unique Well ID:** NA	

FARALLON CONSULTING

Log of Boring: MW-23

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

Date/Time Started:	2/13/23 0940	**Depth to Water ATD (ft bgs):**	5.0
Date/Time Completed:	2/15/23 1355	**Boring Diameter (in):**	6.0
Drilling Company:	Holt	**Total Boring Depth (ft bgs):**	50.0
Drilling Method:	Sonic	**Constructed Well Depth (ft bgs):**	48.0
Drilling Equipment:	TSI 150		
Drilling Operator:	Rodney LeBrosse Jr.		
Sampler Type:	5' Core Barrel		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
					75	4.6	MW-23-40.0		Well Screen
		44.0-45.0': No recovery.							
45		45.0-46.5': Sandy SILT (60% silt, 30% sand, 10% gravel), fine sand and gravel, low plasticity, gray, dry, no odor.	ML		75	15.9	MW-23-45.0	X	
		46.5-49.0': Sandy SILT (60% silt, 40% sand), fine sand, dark gray, dry, no odor.	ML						
		49.0-50.0': No recovery.							
50						0.0	MW-23-50.0	X	
55									
60									

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Silica Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:** **X:** 1282022.93	**Y:** 206453.44
Screened Interval (ft bgs):	38.0-48.0	**Boring Abandonment:**	NA	**Unique Well ID:**	NA

Log of Boring: MW-24

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

Date/Time Started:	2/13/23 0840	**Depth to Water ATD (ft bgs):**	12.5
Date/Time Completed:	2/16/23 1125	**Boring Diameter (in):**	6.0
Drilling Company:	Holt	**Total Boring Depth (ft bgs):**	45.0
Drilling Method:	Sonic	**Constructed Well Depth (ft bgs):**	45.0
Drilling Equipment:	TSI 150		
Drilling Operator:	Rodney LeBrosse Jr.		
Sampler Type:	5' Core Barrel		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-0.2': Asphalt. Clear to 5.0' bgs for utilities. Not logged between 0 to 30 feet bgs due to proximity to boring FB-30.	AC						Concrete
5									Bentonite
10									Water Level
15									Bentonite
20									

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Silica Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** 1282070.30 **Y:** 206450.60
Screened Interval (ft bgs):	35.0-45.0	**Boring Abandonment:**	NA	**Unique Well ID:**	NA

FARALLON CONSULTING

Log of Boring: MW-24

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

Date/Time Started:	2/13/23 0840	**Depth to Water ATD (ft bgs):**	12.5
Date/Time Completed:	2/16/23 1125	**Boring Diameter (in):**	6.0
Drilling Company:	Holt	**Total Boring Depth (ft bgs):**	45.0
Drilling Method:	Sonic	**Constructed Well Depth (ft bgs):**	45.0
Drilling Equipment:	TSI 150		
Drilling Operator:	Rodney LeBrosse Jr.		
Sampler Type:	5' Core Barrel		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25									Bentonite
30		30.0-40.0': Sandy SILT (60% silt, 35% sand, 5% gravel), fine to medium sand, fine gravel, moderate plasticity, gray, no odor.	ML		100	2.6	FB-30-30.0		
35					100	0.3			12/20 Silica Sand Well Screen
40									

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Silica Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location:**	**X:** 1282070.30 **Y:** 206450.60
Screened Interval (ft bgs):	35.0-45.0	**Boring Abandonment:**	NA	**Unique Well ID:**	NA

FARALLON CONSULTING

Log of Boring: MW-24

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

Date/Time Started:	2/13/23 0840	**Depth to Water ATD (ft bgs):**	12.5
Date/Time Completed:	2/16/23 1125	**Boring Diameter (in):**	6.0
Drilling Company:	Holt	**Total Boring Depth (ft bgs):**	45.0
Drilling Method:	Sonic	**Constructed Well Depth (ft bgs):**	45.0
Drilling Equipment:	TSI 150		
Drilling Operator:	Rodney LeBrosse Jr.		
Sampler Type:	5' Core Barrel		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
45		40.0-42.0': Silty SAND with gravel (40% sand, 40% silt, 20% gravel), fine to coarse sand and gravel, gray, dry, no odor.	SM		100	0.0	FB-30-40.0	X	Well Screen
		42.0-45.0': Silty SAND (50% sand, 45% silt, 5% gravel), fine to coarse sand, fine gravel, dark gray, dry, no odor.	SM			0.0	FB-30-45.0	X	
50									
55									
60									

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Silica Sand	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	2.0	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	0.010	**Annular Seal:**	Bentonite	**Surveyed Location: X:** 1282070.30	**Y:** 206450.60
Screened Interval (ft bgs):	35.0-45.0	**Boring Abandonment:**	NA	**Unique Well ID:**	NA

ATTACHMENT B
LABORATORY ANALYTICAL REPORTS

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

Farallon PN: 1355-001

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

February 27, 2023

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

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2302-179

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on February 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: February 27, 2023
Samples Submitted: February 14, 2023
Laboratory Reference: 2302-179
Project: 1355-001

Case Narrative

Samples were collected on February 14, 2023 and received by the laboratory on February 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 (soil) Analysis

The percent recovery for (cis) 1,2-Dichloroethene, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene is outside the control limits in the Spike Blank and/or Spike Blank Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

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: February 27, 2023
Samples Submitted: February 14, 2023
Laboratory Reference: 2302-179
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-30-5.0**					
Laboratory ID:	02-179-02					
Benzene	**ND**	0.020	EPA 8021B	2-16-23	2-23-23	
Toluene	**ND**	0.081	EPA 8021B	2-16-23	2-23-23	
Ethylbenzene	**ND**	0.081	EPA 8021B	2-16-23	2-23-23	
m,p-Xylene	**0.15**	0.081	EPA 8021B	2-16-23	2-23-23	
o-Xylene	**ND**	0.081	EPA 8021B	2-16-23	2-23-23	
Gasoline Range Organics	**150**	8.1	NWTPH-Gx	2-16-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*69-130*				
Client ID:	**FB-30-10.0**					
Laboratory ID:	02-179-03					
Benzene	**ND**	0.020	EPA 8021B	2-16-23	2-16-23	
Toluene	**ND**	0.076	EPA 8021B	2-16-23	2-16-23	
Ethylbenzene	**0.12**	0.076	EPA 8021B	2-16-23	2-16-23	
m,p-Xylene	**0.21**	0.076	EPA 8021B	2-16-23	2-16-23	
o-Xylene	**ND**	0.076	EPA 8021B	2-16-23	2-16-23	
Gasoline Range Organics	**390**	7.6	NWTPH-Gx	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*115*	*69-130*				
Client ID:	**FB-30-19.0**					
Laboratory ID:	02-179-05					
Benzene	**ND**	0.020	EPA 8021B	2-16-23	2-16-23	
Toluene	**ND**	0.071	EPA 8021B	2-16-23	2-16-23	
Ethylbenzene	**ND**	0.071	EPA 8021B	2-16-23	2-16-23	
m,p-Xylene	**ND**	0.071	EPA 8021B	2-16-23	2-16-23	
o-Xylene	**ND**	0.071	EPA 8021B	2-16-23	2-16-23	
Gasoline	**ND**	7.1	NWTPH-Gx	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*113*	*69-130*				

Date of Report: February 27, 2023
Samples Submitted: February 14, 2023
Laboratory Reference: 2302-179
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-23-10.0**					
Laboratory ID:	02-179-09					
Benzene	**ND**	0.020	EPA 8021B	2-16-23	2-23-23	
Toluene	**ND**	0.082	EPA 8021B	2-16-23	2-23-23	
Ethylbenzene	**ND**	0.082	EPA 8021B	2-16-23	2-23-23	
m,p-Xylene	**ND**	0.082	EPA 8021B	2-16-23	2-23-23	
o-Xylene	**ND**	0.082	EPA 8021B	2-16-23	2-23-23	
Gasoline	**ND**	8.2	NWTPH-Gx	2-16-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*69-130*				
Client ID:	**MW-23-15.0**					
Laboratory ID:	02-179-10					
Benzene	**ND**	0.020	EPA 8021B	2-16-23	2-16-23	
Toluene	**ND**	0.070	EPA 8021B	2-16-23	2-16-23	
Ethylbenzene	**ND**	0.070	EPA 8021B	2-16-23	2-16-23	
m,p-Xylene	**ND**	0.070	EPA 8021B	2-16-23	2-16-23	
o-Xylene	**ND**	0.070	EPA 8021B	2-16-23	2-16-23	
Gasoline	**ND**	7.0	NWTPH-Gx	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*69-130*				
Client ID:	**MW-23-20.0**					
Laboratory ID:	02-179-11					
Benzene	**ND**	0.020	EPA 8021B	2-16-23	2-16-23	
Toluene	**ND**	0.090	EPA 8021B	2-16-23	2-16-23	
Ethylbenzene	**ND**	0.090	EPA 8021B	2-16-23	2-16-23	
m,p-Xylene	**ND**	0.090	EPA 8021B	2-16-23	2-16-23	
o-Xylene	**ND**	0.090	EPA 8021B	2-16-23	2-16-23	
Gasoline	**ND**	9.0	NWTPH-Gx	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*110*	*69-130*				

Date of Report: February 27, 2023
Samples Submitted: February 14, 2023
Laboratory Reference: 2302-179
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-23-30.0**					
Laboratory ID:	02-179-12					
Benzene	**ND**	0.020	EPA 8021B	2-16-23	2-16-23	
Toluene	**ND**	0.077	EPA 8021B	2-16-23	2-16-23	
Ethylbenzene	**ND**	0.077	EPA 8021B	2-16-23	2-16-23	
m,p-Xylene	**ND**	0.077	EPA 8021B	2-16-23	2-16-23	
o-Xylene	**ND**	0.077	EPA 8021B	2-16-23	2-16-23	
Gasoline	**ND**	7.7	NWTPH-Gx	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*69-130*				

Date of Report: February 27, 2023
Samples Submitted: February 14, 2023
Laboratory Reference: 2302-179
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:	MB0216S2					
Benzene	**ND**	0.020	EPA 8021B	2-16-23	2-16-23	
Toluene	**ND**	0.050	EPA 8021B	2-16-23	2-16-23	
Ethylbenzene	**ND**	0.050	EPA 8021B	2-16-23	2-16-23	
m,p-Xylene	**ND**	0.050	EPA 8021B	2-16-23	2-16-23	
o-Xylene	**ND**	0.050	EPA 8021B	2-16-23	2-16-23	
Gasoline	**ND**	5.0	NWTPH-Gx	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*69-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-173-02										
	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						*92*	*93*	*69-130*			
SPIKE BLANKS											
Laboratory ID:	SB0216S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.999**	**1.01**	1.00	1.00		**100**	**101**	68-112	1	10	
Toluene	**1.02**	**1.03**	1.00	1.00		**102**	**103**	70-114	1	10	
Ethylbenzene	**1.02**	**1.04**	1.00	1.00		**102**	**104**	70-115	2	10	
m,p-Xylene	**1.02**	**1.04**	1.00	1.00		**102**	**104**	69-117	2	11	
o-Xylene	**1.05**	**1.07**	1.00	1.00		**105**	**107**	71-115	2	11	
Surrogate:											
Fluorobenzene						*93*	*95*	*69-130*			

Date of Report: February 27, 2023
Samples Submitted: February 14, 2023
Laboratory Reference: 2302-179
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-30-15.0-GW-021423**					
Laboratory ID:	02-179-08					
Benzene	**ND**	4.0	EPA 8021B	2-16-23	2-16-23	
Toluene	**ND**	4.0	EPA 8021B	2-16-23	2-16-23	
Ethylbenzene	**ND**	4.0	EPA 8021B	2-16-23	2-16-23	
m,p-Xylene	**ND**	4.0	EPA 8021B	2-16-23	2-16-23	
o-Xylene	**ND**	4.0	EPA 8021B	2-16-23	2-16-23	
Gasoline	**ND**	400	NWTPH-Gx	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*65-122*				

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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:	MB0216W1					
Benzene	**ND**	1.0	EPA 8021B	2-16-23	2-16-23	
Toluene	**ND**	1.0	EPA 8021B	2-16-23	2-16-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	2-16-23	2-16-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-16-23	2-16-23	
o-Xylene	**ND**	1.0	EPA 8021B	2-16-23	2-16-23	
Gasoline	**ND**	100	NWTPH-Gx	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*65-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-162-06										
	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*	*96*	*65-122*			
SPIKE BLANKS											
Laboratory ID:	SB0216W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**54.1**	**51.2**	50.0	50.0		**108**	**102**	80-116	6	12	
Toluene	**53.9**	**50.9**	50.0	50.0		**108**	**102**	82-118	6	12	
Ethylbenzene	**52.2**	**49.3**	50.0	50.0		**104**	**99**	82-118	6	12	
m,p-Xylene	**52.3**	**49.4**	50.0	50.0		**105**	**99**	81-118	6	12	
o-Xylene	**52.3**	**49.8**	50.0	50.0		**105**	**100**	81-116	5	11	
Surrogate:											
Fluorobenzene						*104*	*103*	*65-122*			

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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-30-5.0**					
Laboratory ID:	02-179-02					
Diesel Range Organics	**520**	170	NWTPH-Dx	2-22-23	2-22-23	N
Lube Oil	**5400**	340	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*82*	*50-150*				
Client ID:	**FB-30-10.0**					
Laboratory ID:	02-179-03					
Diesel Range Organics	**820**	170	NWTPH-Dx	2-22-23	2-22-23	N
Lube Oil	**6300**	340	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**FB-30-19.0**					
Laboratory ID:	02-179-05					
Diesel Range Organics	**ND**	32	NWTPH-Dx	2-22-23	2-22-23	
Lube Oil Range Organics	**ND**	65	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**MW-23-10.0**					
Laboratory ID:	02-179-09					
Diesel Range Organics	**ND**	35	NWTPH-Dx	2-22-23	2-22-23	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				
Client ID:	**MW-23-15.0**					
Laboratory ID:	02-179-10					
Diesel Range Organics	**ND**	32	NWTPH-Dx	2-22-23	2-22-23	
Lube Oil Range Organics	**ND**	64	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*75*	*50-150*				
Client ID:	**MW-23-20.0**					
Laboratory ID:	02-179-11					
Diesel Range Organics	**ND**	33	NWTPH-Dx	2-22-23	2-22-23	
Lube Oil Range Organics	**ND**	66	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*81*	*50-150*				

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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-23-30.0**					
Laboratory ID:	02-179-12					
Diesel Range Organics	**ND**	31	NWTPH-Dx	2-22-23	2-22-23	
Lube Oil Range Organics	**ND**	63	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				

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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:	MB0222S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	2-22-23	2-22-23	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	02-222-01									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*79* *74*	*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:	**FB-30-15.0-GW-021423**					
Laboratory ID:	02-179-08					
Diesel Range Organics	**1.1**	0.22	NWTPH-Dx	2-17-23	2-17-23	N
Lube Oil	**5.7**	0.22	NWTPH-Dx	2-17-23	2-17-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*83*	*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:	MB0217W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	2-17-23	2-17-23	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	2-17-23	2-17-23	
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:	SB0217W1										
	ORIG	DUP									
Diesel Fuel #2	**0.436**	**0.403**	NA	NA		NA		NA	8	NA	
Surrogate:											
o-Terphenyl						*100*	*89*	*50-150*			

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-12.5**					
Laboratory ID:	02-179-04					
Dichlorodifluoromethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Chloromethane	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
Vinyl Chloride	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Bromomethane	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
Chloroethane	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
Trichlorofluoromethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,1-Dichloroethene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Iodomethane	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
Methylene Chloride	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,1-Dichloroethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
2,2-Dichloropropane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Bromochloromethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Chloroform	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Carbon Tetrachloride	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,1-Dichloropropene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,2-Dichloroethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Trichloroethene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,2-Dichloropropane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Dibromomethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Bromodichloromethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-12.5**					
Laboratory ID:	02-179-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Tetrachloroethene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,3-Dichloropropane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Dibromochloromethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,2-Dibromoethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Chlorobenzene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Bromoform	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
Bromobenzene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
2-Chlorotoluene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
4-Chlorotoluene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
1,2,4-Trichlorobenzene	0.0030	0.0011	EPA 8260D	2-16-23	2-16-23	Y
Hexachlorobutadiene	ND	0.0056	EPA 8260D	2-16-23	2-16-23	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260D	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-130*				
Toluene-d8	*104*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-10.0**					
Laboratory ID:	02-179-09					
Dichlorodifluoromethane	ND	0.0027	EPA 8260D	2-15-23	2-15-23	
Chloromethane	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
Vinyl Chloride	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Bromomethane	ND	0.0086	EPA 8260D	2-15-23	2-15-23	
Chloroethane	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Iodomethane	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
Methylene Chloride	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Bromochloromethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Chloroform	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Trichloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Dibromomethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Bromodichloromethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-10.0**					
Laboratory ID:	02-179-09					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Tetrachloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Dibromochloromethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Chlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Bromoform	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
Bromobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
2-Chlorotoluene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
4-Chlorotoluene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Hexachlorobutadiene	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-130*				
Toluene-d8	*106*	*78-128*				
4-Bromofluorobenzene	*91*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-15.0**					
Laboratory ID:	02-179-10					
Dichlorodifluoromethane	ND	0.0027	EPA 8260D	2-15-23	2-15-23	
Chloromethane	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
Vinyl Chloride	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Bromomethane	ND	0.0086	EPA 8260D	2-15-23	2-15-23	
Chloroethane	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Iodomethane	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
Methylene Chloride	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Bromochloromethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Chloroform	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Trichloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Dibromomethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Bromodichloromethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-15.0**					
Laboratory ID:	02-179-10					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Tetrachloroethene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Dibromochloromethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Chlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Bromoform	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
Bromobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
2-Chlorotoluene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
4-Chlorotoluene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Hexachlorobutadiene	ND	0.0064	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	2-15-23	2-15-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-130*				
Toluene-d8	*105*	*78-128*				
4-Bromofluorobenzene	*98*	*71-130*				

Date of Report: February 27, 2023
Samples Submitted: February 14, 2023
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Project: 1355-001

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-20.0**					
Laboratory ID:	02-179-11					
Dichlorodifluoromethane	ND	0.0033	EPA 8260D	2-15-23	2-15-23	
Chloromethane	ND	0.0078	EPA 8260D	2-15-23	2-15-23	
Vinyl Chloride	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Bromomethane	ND	0.011	EPA 8260D	2-15-23	2-15-23	
Chloroethane	ND	0.0078	EPA 8260D	2-15-23	2-15-23	
Trichlorofluoromethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Iodomethane	ND	0.0078	EPA 8260D	2-15-23	2-15-23	
Methylene Chloride	ND	0.0078	EPA 8260D	2-15-23	2-15-23	
(trans) 1,2-Dichloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
2,2-Dichloropropane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
(cis) 1,2-Dichloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Bromochloromethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Chloroform	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1,1-Trichloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Carbon Tetrachloride	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloropropene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Trichloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloropropane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Dibromomethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Bromodichloromethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
2-Chloroethyl Vinyl Ether	ND	0.0078	EPA 8260D	2-15-23	2-15-23	
(cis) 1,3-Dichloropropene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
(trans) 1,3-Dichloropropene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-20.0**					
Laboratory ID:	02-179-11					
1,1,2-Trichloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Tetrachloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,3-Dichloropropane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Dibromochloromethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromoethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Chlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1,1,2-Tetrachloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Bromoform	ND	0.0078	EPA 8260D	2-15-23	2-15-23	
Bromobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1,2,2-Tetrachloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichloropropane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
2-Chlorotoluene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
4-Chlorotoluene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,3-Dichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,4-Dichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromo-3-chloropropane	ND	0.0078	EPA 8260D	2-15-23	2-15-23	
1,2,4-Trichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Hexachlorobutadiene	ND	0.0078	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-130*				
Toluene-d8	*106*	*78-128*				
4-Bromofluorobenzene	*88*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-30.0**					
Laboratory ID:	02-179-12					
Dichlorodifluoromethane	ND	0.0034	EPA 8260D	2-15-23	2-15-23	
Chloromethane	ND	0.0081	EPA 8260D	2-15-23	2-15-23	
Vinyl Chloride	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Bromomethane	ND	0.011	EPA 8260D	2-15-23	2-15-23	
Chloroethane	ND	0.0081	EPA 8260D	2-15-23	2-15-23	
Trichlorofluoromethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Iodomethane	ND	0.0081	EPA 8260D	2-15-23	2-15-23	
Methylene Chloride	ND	0.0081	EPA 8260D	2-15-23	2-15-23	
(trans) 1,2-Dichloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
2,2-Dichloropropane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
(cis) 1,2-Dichloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Bromochloromethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Chloroform	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1,1-Trichloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Carbon Tetrachloride	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloropropene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Trichloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloropropane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Dibromomethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Bromodichloromethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
2-Chloroethyl Vinyl Ether	ND	0.0081	EPA 8260D	2-15-23	2-15-23	
(cis) 1,3-Dichloropropene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
(trans) 1,3-Dichloropropene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-30.0**					
Laboratory ID:	02-179-12					
1,1,2-Trichloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Tetrachloroethene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,3-Dichloropropane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Dibromochloromethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromoethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Chlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1,1,2-Tetrachloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Bromoform	ND	0.0081	EPA 8260D	2-15-23	2-15-23	
Bromobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,1,2,2-Tetrachloroethane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichloropropane	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
2-Chlorotoluene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
4-Chlorotoluene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,3-Dichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,4-Dichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromo-3-chloropropane	ND	0.0081	EPA 8260D	2-15-23	2-15-23	
1,2,4-Trichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Hexachlorobutadiene	ND	0.0081	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichlorobenzene	ND	0.0016	EPA 8260D	2-15-23	2-15-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-130*				
Toluene-d8	*107*	*78-128*				
4-Bromofluorobenzene	*89*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215S1					
Dichlorodifluoromethane	ND	0.0021	EPA 8260D	2-15-23	2-15-23	
Chloromethane	ND	0.0050	EPA 8260D	2-15-23	2-15-23	
Vinyl Chloride	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Bromomethane	ND	0.0068	EPA 8260D	2-15-23	2-15-23	
Chloroethane	ND	0.0050	EPA 8260D	2-15-23	2-15-23	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Iodomethane	ND	0.0050	EPA 8260D	2-15-23	2-15-23	
Methylene Chloride	ND	0.0050	EPA 8260D	2-15-23	2-15-23	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Bromochloromethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Chloroform	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Trichloroethene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Dibromomethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Bromodichloromethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	2-15-23	2-15-23	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Tetrachloroethene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Dibromochloromethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Chlorobenzene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Bromoform	ND	0.0050	EPA 8260D	2-15-23	2-15-23	
Bromobenzene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
2-Chlorotoluene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
4-Chlorotoluene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	2-15-23	2-15-23	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	2-15-23	2-15-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-130*				
Toluene-d8	*104*	*78-128*				
4-Bromofluorobenzene	*85*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0216S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Chloromethane	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
Vinyl Chloride	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Bromomethane	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
Chloroethane	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Iodomethane	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
Methylene Chloride	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Bromochloromethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Chloroform	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Trichloroethene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Dibromomethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Bromodichloromethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0216S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Tetrachloroethene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Dibromochloromethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Chlorobenzene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Bromoform	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
Bromobenzene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
2-Chlorotoluene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
4-Chlorotoluene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	2-16-23	2-16-23	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	2-16-23	2-16-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-130*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*99*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0215S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**0.0241**	**0.0232**	0.0500	0.0500	48	46	30-160	4	26	
Chloromethane	**0.0428**	**0.0391**	0.0500	0.0500	86	78	59-131	9	26	
Vinyl Chloride	**0.0422**	**0.0414**	0.0500	0.0500	84	83	68-136	2	23	
Bromomethane	**0.0365**	**0.0362**	0.0500	0.0500	73	72	48-155	1	32	
Chloroethane	**0.0611**	**0.0634**	0.0500	0.0500	122	127	67-141	4	16	
Trichlorofluoromethane	**0.0524**	**0.0553**	0.0500	0.0500	105	111	76-127	5	19	
1,1-Dichloroethene	**0.0555**	**0.0533**	0.0500	0.0500	111	107	75-129	4	19	
Iodomethane	**0.0460**	**0.0468**	0.0500	0.0500	92	94	37-140	2	27	
Methylene Chloride	**0.0531**	**0.0498**	0.0500	0.0500	106	100	60-124	6	18	
(trans) 1,2-Dichloroethene	**0.0574**	**0.0549**	0.0500	0.0500	115	110	79-133	4	15	
1,1-Dichloroethane	**0.0591**	**0.0558**	0.0500	0.0500	118	112	79-125	6	17	
2,2-Dichloropropane	**0.0569**	**0.0606**	0.0500	0.0500	114	121	79-126	6	18	
(cis) 1,2-Dichloroethene	**0.0668**	**0.0620**	0.0500	0.0500	134	124	75-131	7	15	I
Bromochloromethane	**0.0550**	**0.0512**	0.0500	0.0500	110	102	80-126	7	15	
Chloroform	**0.0596**	**0.0578**	0.0500	0.0500	119	116	80-123	3	15	
1,1,1-Trichloroethane	**0.0567**	**0.0533**	0.0500	0.0500	113	107	78-124	6	21	
Carbon Tetrachloride	**0.0522**	**0.0531**	0.0500	0.0500	104	106	74-127	2	18	
1,1-Dichloropropene	**0.0522**	**0.0524**	0.0500	0.0500	104	105	80-123	0	15	
1,2-Dichloroethane	**0.0605**	**0.0546**	0.0500	0.0500	121	109	75-124	10	15	
Trichloroethene	**0.0533**	**0.0531**	0.0500	0.0500	107	106	80-129	0	18	
1,2-Dichloropropane	**0.0505**	**0.0562**	0.0500	0.0500	101	112	80-123	11	15	
Dibromomethane	**0.0499**	**0.0485**	0.0500	0.0500	100	97	80-123	3	15	
Bromodichloromethane	**0.0547**	**0.0542**	0.0500	0.0500	109	108	80-129	1	15	
(cis) 1,3-Dichloropropene	**0.0549**	**0.0553**	0.0500	0.0500	110	111	80-130	1	15	
(trans) 1,3-Dichloropropene	**0.0495**	**0.0492**	0.0500	0.0500	99	98	80-124	1	15	

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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0215S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	**0.0544**	**0.0530**	0.0500	0.0500	109	106	80-120	3	15	
Tetrachloroethene	**0.0544**	**0.0568**	0.0500	0.0500	109	114	77-126	4	15	
1,3-Dichloropropane	**0.0541**	**0.0547**	0.0500	0.0500	108	109	77-123	1	15	
Dibromochloromethane	**0.0530**	**0.0529**	0.0500	0.0500	106	106	80-128	0	16	
1,2-Dibromoethane	**0.0560**	**0.0551**	0.0500	0.0500	112	110	80-122	2	20	
Chlorobenzene	**0.0511**	**0.0531**	0.0500	0.0500	102	106	80-120	4	18	
1,1,1,2-Tetrachloroethane	**0.0529**	**0.0528**	0.0500	0.0500	106	106	80-120	0	15	
Bromoform	**0.0516**	**0.0496**	0.0500	0.0500	103	99	78-126	4	15	
Bromobenzene	**0.0552**	**0.0577**	0.0500	0.0500	110	115	79-124	4	15	
1,1,2,2-Tetrachloroethane	**0.0589**	**0.0565**	0.0500	0.0500	118	113	75-122	4	17	
1,2,3-Trichloropropane	**0.0548**	**0.0511**	0.0500	0.0500	110	102	72-125	7	20	
2-Chlorotoluene	**0.0532**	**0.0547**	0.0500	0.0500	106	109	75-128	3	15	
4-Chlorotoluene	**0.0528**	**0.0556**	0.0500	0.0500	106	111	78-127	5	16	
1,3-Dichlorobenzene	**0.0532**	**0.0584**	0.0500	0.0500	106	117	78-123	9	17	
1,4-Dichlorobenzene	**0.0530**	**0.0576**	0.0500	0.0500	106	115	77-121	8	17	
1,2-Dichlorobenzene	**0.0516**	**0.0560**	0.0500	0.0500	103	112	80-120	8	15	
1,2-Dibromo-3-chloropropane	**0.0563**	**0.0520**	0.0500	0.0500	113	104	61-137	8	28	
1,2,4-Trichlorobenzene	**0.0585**	**0.0644**	0.0500	0.0500	117	129	77-127	10	17	I
Hexachlorobutadiene	**0.0497**	**0.0576**	0.0500	0.0500	99	115	77-125	15	22	
1,2,3-Trichlorobenzene	**0.0567**	**0.0644**	0.0500	0.0500	113	129	77-124	13	19	I
Surrogate:										
Dibromofluoromethane					*118*	*108*	*75-130*			
Toluene-d8					*105*	*106*	*78-128*			
4-Bromofluorobenzene					*98*	*94*	*71-130*			

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Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0216S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**0.0578**	**0.0587**	0.0500	0.0500	116	117	30-160	2	26	
Chloromethane	**0.0579**	**0.0574**	0.0500	0.0500	116	115	59-131	1	26	
Vinyl Chloride	**0.0587**	**0.0583**	0.0500	0.0500	117	117	68-136	1	23	
Bromomethane	**0.0422**	**0.0478**	0.0500	0.0500	84	96	48-155	12	32	
Chloroethane	**0.0630**	**0.0649**	0.0500	0.0500	126	130	67-141	3	16	
Trichlorofluoromethane	**0.0597**	**0.0606**	0.0500	0.0500	119	121	76-127	1	19	
1,1-Dichloroethene	**0.0542**	**0.0571**	0.0500	0.0500	108	114	75-129	5	19	
Iodomethane	**0.0444**	**0.0467**	0.0500	0.0500	89	93	37-140	5	27	
Methylene Chloride	**0.0521**	**0.0520**	0.0500	0.0500	104	104	60-124	0	18	
(trans) 1,2-Dichloroethene	**0.0550**	**0.0548**	0.0500	0.0500	110	110	79-133	0	15	
1,1-Dichloroethane	**0.0542**	**0.0546**	0.0500	0.0500	108	109	79-125	1	17	
2,2-Dichloropropane	**0.0558**	**0.0556**	0.0500	0.0500	112	111	79-126	0	18	
(cis) 1,2-Dichloroethene	**0.0546**	**0.0552**	0.0500	0.0500	109	110	75-131	1	15	
Bromochloromethane	**0.0545**	**0.0521**	0.0500	0.0500	109	104	80-126	5	15	
Chloroform	**0.0560**	**0.0554**	0.0500	0.0500	112	111	80-123	1	15	
1,1,1-Trichloroethane	**0.0517**	**0.0544**	0.0500	0.0500	103	109	78-124	5	21	
Carbon Tetrachloride	**0.0516**	**0.0530**	0.0500	0.0500	103	106	74-127	3	18	
1,1-Dichloropropene	**0.0525**	**0.0536**	0.0500	0.0500	105	107	80-123	2	15	
1,2-Dichloroethane	**0.0550**	**0.0545**	0.0500	0.0500	110	109	75-124	1	15	
Trichloroethene	**0.0567**	**0.0593**	0.0500	0.0500	113	119	80-129	4	18	
1,2-Dichloropropane	**0.0566**	**0.0556**	0.0500	0.0500	113	111	80-123	2	15	
Dibromomethane	**0.0538**	**0.0529**	0.0500	0.0500	108	106	80-123	2	15	
Bromodichloromethane	**0.0578**	**0.0583**	0.0500	0.0500	116	117	80-129	1	15	
(cis) 1,3-Dichloropropene	**0.0572**	**0.0571**	0.0500	0.0500	114	114	80-130	0	15	
(trans) 1,3-Dichloropropene	**0.0563**	**0.0559**	0.0500	0.0500	113	112	80-124	1	15	

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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0216S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	**0.0516**	**0.0495**	0.0500	0.0500	103	99	80-120	4	15	
Tetrachloroethene	**0.0554**	**0.0559**	0.0500	0.0500	111	112	77-126	1	15	
1,3-Dichloropropane	**0.0558**	**0.0550**	0.0500	0.0500	112	110	77-123	1	15	
Dibromochloromethane	**0.0565**	**0.0556**	0.0500	0.0500	113	111	80-128	2	16	
1,2-Dibromoethane	**0.0567**	**0.0519**	0.0500	0.0500	113	104	80-122	9	20	
Chlorobenzene	**0.0553**	**0.0556**	0.0500	0.0500	111	111	80-120	1	18	
1,1,1,2-Tetrachloroethane	**0.0536**	**0.0531**	0.0500	0.0500	107	106	80-120	1	15	
Bromoform	**0.0551**	**0.0527**	0.0500	0.0500	110	105	78-126	4	15	
Bromobenzene	**0.0567**	**0.0544**	0.0500	0.0500	113	109	79-124	4	15	
1,1,2,2-Tetrachloroethane	**0.0553**	**0.0502**	0.0500	0.0500	111	100	75-122	10	17	
1,2,3-Trichloropropane	**0.0550**	**0.0510**	0.0500	0.0500	110	102	72-125	8	20	
2-Chlorotoluene	**0.0568**	**0.0570**	0.0500	0.0500	114	114	75-128	0	15	
4-Chlorotoluene	**0.0569**	**0.0583**	0.0500	0.0500	114	117	78-127	2	16	
1,3-Dichlorobenzene	**0.0587**	**0.0587**	0.0500	0.0500	117	117	78-123	0	17	
1,4-Dichlorobenzene	**0.0540**	**0.0554**	0.0500	0.0500	108	111	77-121	3	17	
1,2-Dichlorobenzene	**0.0546**	**0.0553**	0.0500	0.0500	109	111	80-120	1	15	
1,2-Dibromo-3-chloropropane	**0.0502**	**0.0458**	0.0500	0.0500	100	92	61-137	9	28	
1,2,4-Trichlorobenzene	**0.0606**	**0.0610**	0.0500	0.0500	121	122	77-127	1	17	
Hexachlorobutadiene	**0.0551**	**0.0536**	0.0500	0.0500	110	107	77-125	3	22	
1,2,3-Trichlorobenzene	**0.0592**	**0.0585**	0.0500	0.0500	118	117	77-124	1	19	
Surrogate:										
Dibromofluoromethane					*100*	*99*	*75-130*			
Toluene-d8					*100*	*103*	*78-128*			
4-Bromofluorobenzene					*100*	*98*	*71-130*			

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-15.0-GW-021423**					
Laboratory ID:	02-179-08					
Dichlorodifluoromethane	ND	0.29	EPA 8260D	2-15-23	2-15-23	
Chloromethane	ND	1.0	EPA 8260D	2-15-23	2-15-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Bromomethane	ND	1.9	EPA 8260D	2-15-23	2-15-23	
Chloroethane	ND	1.0	EPA 8260D	2-15-23	2-15-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Iodomethane	ND	11	EPA 8260D	2-15-23	2-15-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-23	2-15-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Chloroform	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Trichloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Dibromomethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-23	2-15-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-15.0-GW-021423**					
Laboratory ID:	02-179-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Bromoform	ND	1.0	EPA 8260D	2-15-23	2-15-23	
Bromobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-23	2-15-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215W1					
Dichlorodifluoromethane	ND	0.29	EPA 8260D	2-15-23	2-15-23	
Chloromethane	ND	1.0	EPA 8260D	2-15-23	2-15-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Bromomethane	ND	1.9	EPA 8260D	2-15-23	2-15-23	
Chloroethane	ND	1.0	EPA 8260D	2-15-23	2-15-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Iodomethane	ND	11	EPA 8260D	2-15-23	2-15-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-23	2-15-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Chloroform	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Trichloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Dibromomethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-23	2-15-23	

Date of Report: February 27, 2023
Samples Submitted: February 14, 2023
Laboratory Reference: 2302-179
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Bromoform	ND	1.0	EPA 8260D	2-15-23	2-15-23	
Bromobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-23	2-15-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-23	2-15-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-15-23	2-15-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	2-15-23	2-15-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: February 27, 2023
Samples Submitted: February 14, 2023
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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:	SB0215W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**6.96**	**7.31**	10.0	10.0	70	73	34-166	5	21	
Chloromethane	**8.91**	**9.44**	10.0	10.0	89	94	63-138	6	18	
Vinyl Chloride	**9.12**	**9.83**	10.0	10.0	91	98	71-135	7	20	
Bromomethane	**5.27**	**6.88**	10.0	10.0	53	69	20-151	27	36	
Chloroethane	**9.20**	**9.76**	10.0	10.0	92	98	76-125	6	20	
Trichlorofluoromethane	**10.3**	**10.9**	10.0	10.0	103	109	75-131	6	19	
1,1-Dichloroethene	**10.9**	**11.7**	10.0	10.0	109	117	78-125	7	19	
Iodomethane	**4.42**	**6.52**	10.0	10.0	44	65	10-155	38	40	
Methylene Chloride	**11.2**	**11.9**	10.0	10.0	112	119	80-120	6	15	
(trans) 1,2-Dichloroethene	**11.2**	**12.0**	10.0	10.0	112	120	80-125	7	17	
1,1-Dichloroethane	**11.3**	**12.0**	10.0	10.0	113	120	80-125	6	17	
2,2-Dichloropropane	**12.5**	**13.8**	10.0	10.0	125	138	80-146	10	21	
(cis) 1,2-Dichloroethene	**11.8**	**12.7**	10.0	10.0	118	127	80-129	7	17	
Bromochloromethane	**11.6**	**12.5**	10.0	10.0	116	125	80-125	7	18	
Chloroform	**11.3**	**12.1**	10.0	10.0	113	121	80-123	7	16	
1,1,1-Trichloroethane	**11.0**	**11.9**	10.0	10.0	110	119	80-123	8	18	
Carbon Tetrachloride	**10.7**	**11.6**	10.0	10.0	107	116	80-126	8	17	
1,1-Dichloropropene	**10.9**	**11.8**	10.0	10.0	109	118	80-126	8	18	
1,2-Dichloroethane	**11.7**	**12.4**	10.0	10.0	117	124	80-124	6	15	
Trichloroethene	**10.9**	**11.7**	10.0	10.0	109	117	80-122	7	18	
1,2-Dichloropropane	**10.8**	**11.6**	10.0	10.0	108	116	80-123	7	15	
Dibromomethane	**10.9**	**11.5**	10.0	10.0	109	115	80-123	5	15	
Bromodichloromethane	**11.1**	**11.9**	10.0	10.0	111	119	80-125	7	15	
(cis) 1,3-Dichloropropene	**11.3**	**12.0**	10.0	10.0	113	120	80-129	6	15	
(trans) 1,3-Dichloropropene	**11.0**	**11.6**	10.0	10.0	110	116	80-134	5	17	

Date of Report: February 27, 2023
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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0215W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	**9.93**	**10.6**	10.0	10.0	99	106	77-126	7	20	
Tetrachloroethene	**10.5**	**11.6**	10.0	10.0	105	116	80-124	10	18	
1,3-Dichloropropane	**10.3**	**11.1**	10.0	10.0	103	111	80-120	7	15	
Dibromochloromethane	**10.7**	**11.4**	10.0	10.0	107	114	80-128	6	15	
1,2-Dibromoethane	**10.8**	**11.6**	10.0	10.0	108	116	80-127	7	15	
Chlorobenzene	**10.4**	**11.2**	10.0	10.0	104	112	80-120	7	17	
1,1,1,2-Tetrachloroethane	**10.3**	**11.2**	10.0	10.0	103	112	80-125	8	17	
Bromoform	**10.6**	**11.1**	10.0	10.0	106	111	80-130	5	15	
Bromobenzene	**10.5**	**11.3**	10.0	10.0	105	113	76-128	7	16	
1,1,2,2-Tetrachloroethane	**10.5**	**11.3**	10.0	10.0	105	113	74-130	7	15	
1,2,3-Trichloropropane	**9.48**	**10.3**	10.0	10.0	95	103	71-129	8	25	
2-Chlorotoluene	**10.6**	**11.4**	10.0	10.0	106	114	80-128	7	18	
4-Chlorotoluene	**11.0**	**12.0**	10.0	10.0	110	120	80-130	9	19	
1,3-Dichlorobenzene	**10.5**	**11.6**	10.0	10.0	105	116	80-126	10	17	
1,4-Dichlorobenzene	**10.4**	**11.2**	10.0	10.0	104	112	80-121	7	17	
1,2-Dichlorobenzene	**10.4**	**11.1**	10.0	10.0	104	111	79-125	7	15	
1,2-Dibromo-3-chloropropane	**10.2**	**10.6**	10.0	10.0	102	106	73-133	4	15	
1,2,4-Trichlorobenzene	**10.5**	**11.6**	10.0	10.0	105	116	80-139	10	18	
Hexachlorobutadiene	**10.7**	**11.6**	10.0	10.0	107	116	80-151	8	18	
1,2,3-Trichlorobenzene	**10.6**	**11.5**	10.0	10.0	106	115	75-146	8	28	
Surrogate:										
Dibromofluoromethane					*105*	*104*	*75-127*			
Toluene-d8					*102*	*102*	*80-127*			
4-Bromofluorobenzene					*103*	*101*	*78-125*			

Date of Report: February 27, 2023
Samples Submitted: February 14, 2023
Laboratory Reference: 2302-179
Project: 1355-001

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FB-30-5.0	02-179-02	**27**	2-22-23
FB-30-10.0	02-179-03	**27**	2-22-23
FB-30-12.5	02-179-04	**25**	2-22-23
FB-30-19.0	02-179-05	**23**	2-22-23
MW-23-10.0	02-179-09	**28**	2-22-23
MW-23-15.0	02-179-10	**22**	2-22-23
MW-23-20.0	02-179-11	**25**	2-22-23
MW-23-30.0	02-179-12	**20**	2-22-23

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 2

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

Laboratory Number: 02-179

Company: Farallon Consulting
Project Number: 1355-001
Project Name: Morningside Acres Tract
Project Manager: Stuart Brown
Sampled by: Michael Ysaguirre / Jenner Smith

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ 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 (Acid / 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		% Moisture
1	FB-30-2.5	2/14/23	0910	SOIL	5		X	X	X		X													X		NO
2	FB-30-5.0		1030				X	X	X		X															X
3	FB-30-10.0		1035				X	X	X		X															X
4	FB-30-12.5		1045				X	X	X		X															X
5	FB-30-19.0		1210				X	X	X		X															X
6	FB-30-30.0		1250				X	X	X		X													X		X
7	MW-22-2.5		0940				X	X	X		X													X		X
8	FB-30-15.0-GW-021423		1144	GW	7		X	X	X		X															X
9	MW-23-10.0		1540	soil	5		X	X	X		X															X
10	MW-23-15.0		1603	soil			X	X	X		X															X

	Signature	Company	Date	Time
Relinquished		FLN	2/14/23	1801
Received		CORE	2/14/23	1807
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~Hold for PM analysis~~ DT
X - Added 2/15/23 DB (STA)

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

Chain of Custody

Page 2 of 2

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

Laboratory Number: 02-179

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres Tract
Project Manager: Stuart Brown
Sampled by: Michael Ysaguirre / Jennifer Smith

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

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
11	MW-23-20.0	2/14/23	1600	soil	5
12	MW-23-30.0	1	1640	1	1

Lab ID	NWTPH-HCID	NWTPH-Gx/BTEX (8021 or 8260)	NWTPH-Gx	NWTPH-Dx (Acid / 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	% Moisture
11	⊗	⊗	X	⊗		⊗												⊗
12	⊗	⊗	X	⊗		⊗												⊗

	Signature	Company	Date	Time
Relinquished		FLN	2/14/23	1801
Received		CORE	2/14/23	1809
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
~~Hold for PM analysis~~ 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

February 28, 2023

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

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2302-204

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on February 16, 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: February 28, 2023
Samples Submitted: February 16, 2023
Laboratory Reference: 2302-204
Project: 1355-001

Case Narrative

Samples were collected on February 15, 2023 and received by the laboratory on February 16, 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

The percent recovery for Chloroethane is outside the control limits in the Spike Blank and Spike Blank Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

The RPD for 1,2-Dichloropropane is outside the control limits for the Spike Blank/Spike Blank Duplicate. The percent recoveries on both spike blanks are within recovery limits. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

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: February 28, 2023
Samples Submitted: February 16, 2023
Laboratory Reference: 2302-204
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-23-45.0**					
Laboratory ID:	02-204-02					
Benzene	**ND**	0.020	EPA 8021B	2-24-23	2-24-23	
Toluene	**ND**	0.075	EPA 8021B	2-24-23	2-24-23	
Ethylbenzene	**ND**	0.075	EPA 8021B	2-24-23	2-24-23	
m,p-Xylene	**ND**	0.075	EPA 8021B	2-24-23	2-24-23	
o-Xylene	**ND**	0.075	EPA 8021B	2-24-23	2-24-23	
Gasoline	**ND**	7.5	NWTPH-Gx	2-24-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*69-130*				
Client ID:	**MW-23-50.0**					
Laboratory ID:	02-204-03					
Benzene	**ND**	0.020	EPA 8021B	2-24-23	2-24-23	
Toluene	**ND**	0.068	EPA 8021B	2-24-23	2-24-23	
Ethylbenzene	**ND**	0.068	EPA 8021B	2-24-23	2-24-23	
m,p-Xylene	**ND**	0.068	EPA 8021B	2-24-23	2-24-23	
o-Xylene	**ND**	0.068	EPA 8021B	2-24-23	2-24-23	
Gasoline	**ND**	6.8	NWTPH-Gx	2-24-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*112*	*69-130*				

Date of Report: February 28, 2023
Samples Submitted: February 16, 2023
Laboratory Reference: 2302-204
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:	MB0224S1					
Benzene	**ND**	0.020	EPA 8021B	2-24-23	2-24-23	
Toluene	**ND**	0.050	EPA 8021B	2-24-23	2-24-23	
Ethylbenzene	**ND**	0.050	EPA 8021B	2-24-23	2-24-23	
m,p-Xylene	**ND**	0.050	EPA 8021B	2-24-23	2-24-23	
o-Xylene	**ND**	0.050	EPA 8021B	2-24-23	2-24-23	
Gasoline	**ND**	5.0	NWTPH-Gx	2-24-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*69-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-204-02										
	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						*102*	*102*	*69-130*			
SPIKE BLANKS											
Laboratory ID:	SB0224S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.953**	**0.984**	1.00	1.00		**95**	**98**	68-112	3	10	
Toluene	**0.994**	**1.03**	1.00	1.00		**99**	**103**	70-114	4	10	
Ethylbenzene	**0.984**	**1.01**	1.00	1.00		**98**	**101**	70-115	3	10	
m,p-Xylene	**1.01**	**1.04**	1.00	1.00		**101**	**104**	69-117	3	11	
o-Xylene	**1.00**	**1.03**	1.00	1.00		**100**	**103**	71-115	3	11	
Surrogate:											
Fluorobenzene						*93*	*96*	*69-130*			

Date of Report: February 28, 2023
Samples Submitted: February 16, 2023
Laboratory Reference: 2302-204
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-23-45.0**					
Laboratory ID:	02-204-02					
Diesel Range Organics	**ND**	31	NWTPH-Dx	2-27-23	2-27-23	
Lube Oil Range Organics	**ND**	62	NWTPH-Dx	2-27-23	2-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				
Client ID:	**MW-23-50.0**					
Laboratory ID:	02-204-03					
Diesel Range Organics	**ND**	32	NWTPH-Dx	2-27-23	2-27-23	
Lube Oil Range Organics	**ND**	63	NWTPH-Dx	2-27-23	2-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				

Date of Report: February 28, 2023
Samples Submitted: February 16, 2023
Laboratory Reference: 2302-204
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:	MB0227S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	2-27-23	2-27-23	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	2-27-23	2-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-288-05										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*89*	*87*	*50-150*			

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Project: 1355-001

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-45.0**					
Laboratory ID:	02-204-02					
Dichlorodifluoromethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Chloromethane	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
Vinyl Chloride	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Bromomethane	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
Chloroethane	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
Trichlorofluoromethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Iodomethane	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
Methylene Chloride	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
2,2-Dichloropropane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Bromochloromethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Chloroform	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Carbon Tetrachloride	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloropropene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloroethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Trichloroethene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloropropane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Dibromomethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Bromodichloromethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
2-Chloroethyl Vinyl Ether	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
(trans) 1,3-Dichloropropene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-45.0**					
Laboratory ID:	02-204-02					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Tetrachloroethene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,3-Dichloropropane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Dibromochloromethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromoethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Chlorobenzene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Bromoform	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
Bromobenzene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
2-Chlorotoluene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
4-Chlorotoluene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromo-3-chloropropane	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Hexachlorobutadiene	ND	0.0077	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260D	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-130*				
Toluene-d8	*94*	*78-128*				
4-Bromofluorobenzene	*93*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-50.0**					
Laboratory ID:	02-204-03					
Dichlorodifluoromethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Chloromethane	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
Vinyl Chloride	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Bromomethane	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
Chloroethane	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
Trichlorofluoromethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Iodomethane	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
Methylene Chloride	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
2,2-Dichloropropane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Bromochloromethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Chloroform	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Carbon Tetrachloride	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloropropene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloroethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Trichloroethene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloropropane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Dibromomethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Bromodichloromethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-50.0**					
Laboratory ID:	02-204-03					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Tetrachloroethene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,3-Dichloropropane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Dibromochloromethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromoethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Chlorobenzene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Bromoform	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
Bromobenzene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
2-Chlorotoluene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
4-Chlorotoluene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromo-3-chloropropane	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Hexachlorobutadiene	ND	0.0063	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260D	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*75-130*				
Toluene-d8	*104*	*78-128*				
4-Bromofluorobenzene	*87*	*71-130*				

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QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0221S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chloromethane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Vinyl Chloride	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromomethane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Chloroethane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Iodomethane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Methylene Chloride	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromochloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chloroform	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Trichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Dibromomethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromodichloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0221S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Tetrachloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Dibromochloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromoform	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Bromobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2-Chlorotoluene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
4-Chlorotoluene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-130*				
Toluene-d8	*121*	*78-128*				
4-Bromofluorobenzene	*94*	*71-130*				

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QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0221S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**0.0732**	**0.0687**	0.0500	0.0500	146	137	30-160	6	26	
Chloromethane	**0.0574**	**0.0547**	0.0500	0.0500	115	109	59-131	5	26	
Vinyl Chloride	**0.0618**	**0.0611**	0.0500	0.0500	124	122	68-136	1	23	
Bromomethane	**0.0549**	**0.0538**	0.0500	0.0500	110	108	48-155	2	32	
Chloroethane	**0.0800**	**0.0768**	0.0500	0.0500	160	154	67-141	4	16	I,I
Trichlorofluoromethane	**0.0621**	**0.0628**	0.0500	0.0500	124	126	76-127	1	19	
1,1-Dichloroethene	**0.0578**	**0.0582**	0.0500	0.0500	116	116	75-129	1	19	
Iodomethane	**0.0481**	**0.0472**	0.0500	0.0500	96	94	37-140	2	27	
Methylene Chloride	**0.0534**	**0.0533**	0.0500	0.0500	107	107	60-124	0	18	
(trans) 1,2-Dichloroethene	**0.0572**	**0.0574**	0.0500	0.0500	114	115	79-133	0	15	
1,1-Dichloroethane	**0.0577**	**0.0589**	0.0500	0.0500	115	118	79-125	2	17	
2,2-Dichloropropane	**0.0558**	**0.0541**	0.0500	0.0500	112	108	79-126	3	18	
(cis) 1,2-Dichloroethene	**0.0638**	**0.0646**	0.0500	0.0500	128	129	75-131	1	15	
Bromochloromethane	**0.0517**	**0.0557**	0.0500	0.0500	103	111	80-126	7	15	
Chloroform	**0.0552**	**0.0608**	0.0500	0.0500	110	122	80-123	10	15	
1,1,1-Trichloroethane	**0.0480**	**0.0553**	0.0500	0.0500	96	111	78-124	14	21	
Carbon Tetrachloride	**0.0461**	**0.0521**	0.0500	0.0500	92	104	74-127	12	18	
1,1-Dichloropropene	**0.0446**	**0.0513**	0.0500	0.0500	89	103	80-123	14	15	
1,2-Dichloroethane	**0.0541**	**0.0605**	0.0500	0.0500	108	121	75-124	11	15	
Trichloroethene	**0.0487**	**0.0510**	0.0500	0.0500	97	102	80-129	5	18	
1,2-Dichloropropane	**0.0465**	**0.0576**	0.0500	0.0500	93	115	80-123	21	15	L
Dibromomethane	**0.0451**	**0.0498**	0.0500	0.0500	90	100	80-123	10	15	
Bromodichloromethane	**0.0452**	**0.0516**	0.0500	0.0500	90	103	80-129	13	15	
(cis) 1,3-Dichloropropene	**0.0465**	**0.0514**	0.0500	0.0500	93	103	80-130	10	15	
(trans) 1,3-Dichloropropene	**0.0462**	**0.0457**	0.0500	0.0500	92	91	80-124	1	15	

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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0221S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	**0.0534**	**0.0518**	0.0500	0.0500	107	104	80-120	3	15	
Tetrachloroethene	**0.0490**	**0.0514**	0.0500	0.0500	98	103	77-126	5	15	
1,3-Dichloropropane	**0.0550**	**0.0519**	0.0500	0.0500	110	104	77-123	6	15	
Dibromochloromethane	**0.0522**	**0.0510**	0.0500	0.0500	104	102	80-128	2	16	
1,2-Dibromoethane	**0.0542**	**0.0533**	0.0500	0.0500	108	107	80-122	2	20	
Chlorobenzene	**0.0493**	**0.0509**	0.0500	0.0500	99	102	80-120	3	18	
1,1,1,2-Tetrachloroethane	**0.0510**	**0.0517**	0.0500	0.0500	102	103	80-120	1	15	
Bromoform	**0.0497**	**0.0486**	0.0500	0.0500	99	97	78-126	2	15	
Bromobenzene	**0.0502**	**0.0497**	0.0500	0.0500	100	99	79-124	1	15	
1,1,2,2-Tetrachloroethane	**0.0576**	**0.0537**	0.0500	0.0500	115	107	75-122	7	17	
1,2,3-Trichloropropane	**0.0516**	**0.0501**	0.0500	0.0500	103	100	72-125	3	20	
2-Chlorotoluene	**0.0512**	**0.0489**	0.0500	0.0500	102	98	75-128	5	15	
4-Chlorotoluene	**0.0492**	**0.0482**	0.0500	0.0500	98	96	78-127	2	16	
1,3-Dichlorobenzene	**0.0511**	**0.0500**	0.0500	0.0500	102	100	78-123	2	17	
1,4-Dichlorobenzene	**0.0498**	**0.0499**	0.0500	0.0500	100	100	77-121	0	17	
1,2-Dichlorobenzene	**0.0492**	**0.0493**	0.0500	0.0500	98	99	80-120	0	15	
1,2-Dibromo-3-chloropropane	**0.0562**	**0.0491**	0.0500	0.0500	112	98	61-137	13	28	
1,2,4-Trichlorobenzene	**0.0533**	**0.0543**	0.0500	0.0500	107	109	77-127	2	17	
Hexachlorobutadiene	**0.0480**	**0.0469**	0.0500	0.0500	96	94	77-125	2	22	
1,2,3-Trichlorobenzene	**0.0505**	**0.0510**	0.0500	0.0500	101	102	77-124	1	19	
Surrogate:										
Dibromofluoromethane					*100*	*112*	*75-130*			
Toluene-d8					*93*	*99*	*78-128*			
4-Bromofluorobenzene					*95*	*108*	*71-130*			

Date of Report: February 28, 2023
Samples Submitted: February 16, 2023
Laboratory Reference: 2302-204
Project: 1355-001

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
MW-23-45.0	02-204-02	**19**	2-24-23
MW-23-50.0	02-204-03	**21**	2-24-23

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: Jenner Smith

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

Laboratory Number: 02-204

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ~~8260~~)	NWTPH-Gx	NWTPH-Dx (Acid / 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					% Moisture
1	MW-23-40.0	2/15/23	1140	Soil	5																						
2	MW-23-45.0	"	1222	"	"		X		X		X																X
3	MW-23-50.0	"	1350	"	"		X		X		X																X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		FLN	2/15/23	1824	PM will call for analysis
Received		Spdy	2/16/23	940	X-Added 2/17/23 NS
Relinquished		Spdy	2/16/23	1055	
Received		OSE	2/16/23	1055	
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

February 27, 2023

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

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2302-224

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on February 17, 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: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
Project: 1355-001

Case Narrative

Samples were collected on February 16, 2023 and received by the laboratory on February 17, 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.

Halogenated Volatiles EPA 8260D Analysis - Water

Due to the levels of sediment present in the VOA vials provided for sample FB-30-30.0-GW-021623, the aqueous layers from two VOA vials were combined to perform the requested analysis. Some loss of volatiles may have occurred.

Halogenated Volatiles EPA 8260D Analysis - Soil

The percent recovery for Chloroethane is outside the control limits in the Spike Blank and Spike Blank Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

The RPD for 1,2-Dichloropropane is outside the control limits for the Spike Blank/Spike Blank Duplicate. The percent recoveries on both spike blanks are within recovery limits. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

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: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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-30-30.0-GW-021623**					
Laboratory ID:	02-224-01					
Benzene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
Toluene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
Gasoline	**ND**	100	NWTPH-Gx	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*65-122*				

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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:	MB0221W1					
Benzene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
Toluene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
o-Xylene	**ND**	1.0	EPA 8021B	2-21-23	2-21-23	
Gasoline	**ND**	100	NWTPH-Gx	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*65-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-223-01										
	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						*95*	*92*	*65-122*			
SPIKE BLANKS											
Laboratory ID:	SB0221W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**52.8**	**50.9**	50.0	50.0		**106**	**102**	80-116	4	12	
Toluene	**54.1**	**52.1**	50.0	50.0		**108**	**104**	82-118	4	12	
Ethylbenzene	**53.8**	**51.7**	50.0	50.0		**108**	**103**	82-118	4	12	
m,p-Xylene	**53.7**	**51.7**	50.0	50.0		**107**	**103**	81-118	4	12	
o-Xylene	**54.2**	**52.4**	50.0	50.0		**108**	**105**	81-116	3	11	
Surrogate:											
Fluorobenzene						*98*	*96*	*65-122*			

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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-30-45.0**					
Laboratory ID:	02-224-02					
Benzene	**ND**	0.020	EPA 8021B	2-22-23	2-24-23	
Toluene	**ND**	0.055	EPA 8021B	2-22-23	2-24-23	
Ethylbenzene	**ND**	0.055	EPA 8021B	2-22-23	2-24-23	
m,p-Xylene	**ND**	0.055	EPA 8021B	2-22-23	2-24-23	
o-Xylene	**ND**	0.055	EPA 8021B	2-22-23	2-24-23	
Gasoline	**ND**	5.5	NWTPH-Gx	2-22-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*69-130*				
Client ID:	**FB-30-40.0**					
Laboratory ID:	02-224-03					
Benzene	**ND**	0.020	EPA 8021B	2-22-23	2-24-23	
Toluene	**ND**	0.059	EPA 8021B	2-22-23	2-24-23	
Ethylbenzene	**ND**	0.059	EPA 8021B	2-22-23	2-24-23	
m,p-Xylene	**ND**	0.059	EPA 8021B	2-22-23	2-24-23	
o-Xylene	**ND**	0.059	EPA 8021B	2-22-23	2-24-23	
Gasoline	**ND**	5.9	NWTPH-Gx	2-22-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*69-130*				

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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:	MB0222S3					
Benzene	**ND**	0.020	EPA 8021B	2-22-23	2-22-23	
Toluene	**ND**	0.050	EPA 8021B	2-22-23	2-22-23	
Ethylbenzene	**ND**	0.050	EPA 8021B	2-22-23	2-22-23	
m,p-Xylene	**ND**	0.050	EPA 8021B	2-22-23	2-22-23	
o-Xylene	**ND**	0.050	EPA 8021B	2-22-23	2-22-23	
Gasoline	**ND**	5.0	NWTPH-Gx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*69-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-195-03										
	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						*91*	*92*	*69-130*			
SPIKE BLANKS											
Laboratory ID:	SB0222S2										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.975**	**0.985**	1.00	1.00		**98**	**99**	68-112	1	10	
Toluene	**1.00**	**1.01**	1.00	1.00		**100**	**101**	70-114	1	10	
Ethylbenzene	**1.01**	**1.01**	1.00	1.00		**101**	**101**	70-115	0	10	
m,p-Xylene	**1.00**	**1.01**	1.00	1.00		**100**	**101**	69-117	1	11	
o-Xylene	**1.04**	**1.05**	1.00	1.00		**104**	**105**	71-115	1	11	
Surrogate:											
Fluorobenzene						*92*	*92*	*69-130*			

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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-30-30.0-GW-021623**					
Laboratory ID:	02-224-01					
Diesel Range Organics	**0.52**	0.27	NWTPH-Dx	2-24-23	2-24-23	
Lube Oil	**0.42**	0.27	NWTPH-Dx	2-24-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*64*	*50-150*				

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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:	MB0224W1					
Diesel Range Organics	**ND**	0.13	NWTPH-Dx	2-24-23	2-24-23	
Lube Oil Range Organics	**ND**	0.13	NWTPH-Dx	2-24-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0224W1										
	ORIG	DUP									
Diesel Fuel #2	**0.365**	**0.373**	NA	NA		NA		NA	2	NA	
Surrogate:											
o-Terphenyl						*92*	*90*	*50-150*			

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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-30-45.0**					
Laboratory ID:	02-224-02					
Diesel Range Organics	**ND**	29	NWTPH-Dx	2-27-23	2-27-23	
Lube Oil Range Organics	**ND**	57	NWTPH-Dx	2-27-23	2-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**FB-30-40.0**					
Laboratory ID:	02-224-03					
Diesel Range Organics	**ND**	28	NWTPH-Dx	2-27-23	2-27-23	
Lube Oil Range Organics	**ND**	56	NWTPH-Dx	2-27-23	2-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*72*	*50-150*				

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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:	MB0227S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	2-27-23	2-27-23	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	2-27-23	2-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*86*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-297-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*75*	*71*	*50-150*			

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
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-30-30.0-GW-021623**					
Laboratory ID:	02-224-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Chloromethane	ND	1.0	EPA 8260D	2-21-23	2-21-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Bromomethane	ND	1.5	EPA 8260D	2-21-23	2-21-23	
Chloroethane	ND	1.0	EPA 8260D	2-21-23	2-21-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Iodomethane	ND	13	EPA 8260D	2-21-23	2-21-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-21-23	2-21-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Chloroform	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Trichloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Dibromomethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-21-23	2-21-23	

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-30.0-GW-021623**					
Laboratory ID:	02-224-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Bromoform	ND	1.0	EPA 8260D	2-21-23	2-21-23	
Bromobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-21-23	2-21-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*106*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0221W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Chloromethane	ND	1.0	EPA 8260D	2-21-23	2-21-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Bromomethane	ND	1.5	EPA 8260D	2-21-23	2-21-23	
Chloroethane	ND	1.0	EPA 8260D	2-21-23	2-21-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Iodomethane	ND	13	EPA 8260D	2-21-23	2-21-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-21-23	2-21-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Chloroform	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Trichloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Dibromomethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-21-23	2-21-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0221W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Bromoform	ND	1.0	EPA 8260D	2-21-23	2-21-23	
Bromobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-21-23	2-21-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-21-23	2-21-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0221W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**13.2**	**12.2**	10.0	10.0	132	122	34-166	8	21	
Chloromethane	**10.9**	**10.2**	10.0	10.0	109	102	63-138	7	18	
Vinyl Chloride	**11.5**	**11.2**	10.0	10.0	115	112	71-135	3	20	
Bromomethane	**6.61**	**7.37**	10.0	10.0	66	74	20-151	11	36	
Chloroethane	**10.9**	**10.5**	10.0	10.0	109	105	76-125	4	20	
Trichlorofluoromethane	**11.9**	**11.6**	10.0	10.0	119	116	75-131	3	19	
1,1-Dichloroethene	**10.8**	**10.6**	10.0	10.0	108	106	78-125	2	19	
Iodomethane	**3.90**	**5.27**	10.0	10.0	39	53	10-155	30	40	
Methylene Chloride	**10.6**	**10.4**	10.0	10.0	106	104	80-120	2	15	
(trans) 1,2-Dichloroethene	**10.7**	**10.4**	10.0	10.0	107	104	80-125	3	17	
1,1-Dichloroethane	**10.4**	**10.4**	10.0	10.0	104	104	80-125	0	17	
2,2-Dichloropropane	**12.0**	**11.6**	10.0	10.0	120	116	80-146	3	21	
(cis) 1,2-Dichloroethene	**11.1**	**10.8**	10.0	10.0	111	108	80-129	3	17	
Bromochloromethane	**10.7**	**10.5**	10.0	10.0	107	105	80-125	2	18	
Chloroform	**10.5**	**10.4**	10.0	10.0	105	104	80-123	1	16	
1,1,1-Trichloroethane	**10.4**	**10.2**	10.0	10.0	104	102	80-123	2	18	
Carbon Tetrachloride	**10.0**	**9.90**	10.0	10.0	100	99	80-126	1	17	
1,1-Dichloropropene	**10.2**	**10.1**	10.0	10.0	102	101	80-126	1	18	
1,2-Dichloroethane	**10.6**	**10.4**	10.0	10.0	106	104	80-124	2	15	
Trichloroethene	**10.3**	**10.2**	10.0	10.0	103	102	80-122	1	18	
1,2-Dichloropropane	**10.1**	**10.0**	10.0	10.0	101	100	80-123	1	15	
Dibromomethane	**9.99**	**9.82**	10.0	10.0	100	98	80-123	2	15	
Bromodichloromethane	**10.5**	**10.3**	10.0	10.0	105	103	80-125	2	15	
(cis) 1,3-Dichloropropene	**10.5**	**10.4**	10.0	10.0	105	104	80-129	1	15	
(trans) 1,3-Dichloropropene	**10.1**	**10.0**	10.0	10.0	101	100	80-134	1	17	

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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0221W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	**9.22**	**9.27**	10.0	10.0	92	93	77-126	1	20	
Tetrachloroethene	**10.2**	**10.2**	10.0	10.0	102	102	80-124	0	18	
1,3-Dichloropropane	**9.58**	**9.57**	10.0	10.0	96	96	80-120	0	15	
Dibromochloromethane	**9.89**	**9.98**	10.0	10.0	99	100	80-128	1	15	
1,2-Dibromoethane	**9.91**	**10.0**	10.0	10.0	99	100	80-127	1	15	
Chlorobenzene	**9.79**	**9.52**	10.0	10.0	98	95	80-120	3	17	
1,1,1,2-Tetrachloroethane	**9.56**	**9.45**	10.0	10.0	96	95	80-125	1	17	
Bromoform	**9.54**	**9.50**	10.0	10.0	95	95	80-130	0	15	
Bromobenzene	**9.34**	**9.30**	10.0	10.0	93	93	76-128	0	16	
1,1,2,2-Tetrachloroethane	**9.53**	**9.39**	10.0	10.0	95	94	74-130	1	15	
1,2,3-Trichloropropane	**8.49**	**8.41**	10.0	10.0	85	84	71-129	1	25	
2-Chlorotoluene	**9.92**	**9.60**	10.0	10.0	99	96	80-128	3	18	
4-Chlorotoluene	**10.1**	**9.99**	10.0	10.0	101	100	80-130	1	19	
1,3-Dichlorobenzene	**9.54**	**9.49**	10.0	10.0	95	95	80-126	1	17	
1,4-Dichlorobenzene	**9.36**	**9.26**	10.0	10.0	94	93	80-121	1	17	
1,2-Dichlorobenzene	**9.32**	**9.30**	10.0	10.0	93	93	79-125	0	15	
1,2-Dibromo-3-chloropropane	**8.95**	**8.55**	10.0	10.0	90	86	73-133	5	15	
1,2,4-Trichlorobenzene	**8.73**	**9.35**	10.0	10.0	87	94	80-139	7	18	
Hexachlorobutadiene	**9.37**	**9.81**	10.0	10.0	94	98	80-151	5	18	
1,2,3-Trichlorobenzene	**8.45**	**9.38**	10.0	10.0	85	94	75-146	10	28	
Surrogate:										
Dibromofluoromethane					*102*	*102*	*75-127*			
Toluene-d8					*105*	*102*	*80-127*			
4-Bromofluorobenzene					*101*	*105*	*78-125*			

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-45.0**					
Laboratory ID:	02-224-02					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chloromethane	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
Vinyl Chloride	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromomethane	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
Chloroethane	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Iodomethane	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
Methylene Chloride	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromochloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chloroform	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Trichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Dibromomethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromodichloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-45.0**					
Laboratory ID:	02-224-02					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Tetrachloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Dibromochloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromoform	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
Bromobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2-Chlorotoluene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
4-Chlorotoluene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Hexachlorobutadiene	ND	0.0051	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*75-130*				
Toluene-d8	*99*	*78-128*				
4-Bromofluorobenzene	*89*	*71-130*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-40.0**					
Laboratory ID:	02-224-03					
Dichlorodifluoromethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Chloromethane	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
Vinyl Chloride	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Bromomethane	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
Chloroethane	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
Trichlorofluoromethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Iodomethane	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
Methylene Chloride	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
2,2-Dichloropropane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Bromochloromethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Chloroform	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Carbon Tetrachloride	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloropropene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloroethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Trichloroethene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloropropane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Dibromomethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Bromodichloromethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FB-30-40.0**					
Laboratory ID:	02-224-03					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Tetrachloroethene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,3-Dichloropropane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Dibromochloromethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromoethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Chlorobenzene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Bromoform	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
Bromobenzene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
2-Chlorotoluene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
4-Chlorotoluene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Hexachlorobutadiene	ND	0.0059	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260D	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-130*				
Toluene-d8	*100*	*78-128*				
4-Bromofluorobenzene	*88*	*71-130*				

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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0221S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chloromethane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Vinyl Chloride	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromomethane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Chloroethane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Trichlorofluoromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Iodomethane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Methylene Chloride	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2,2-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromochloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chloroform	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Carbon Tetrachloride	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Trichloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Dibromomethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromodichloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	

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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0221S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Tetrachloroethene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,3-Dichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Dibromochloromethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromoethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Chlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Bromoform	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
Bromobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
2-Chlorotoluene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
4-Chlorotoluene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Hexachlorobutadiene	ND	0.0050	EPA 8260D	2-21-23	2-21-23	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260D	2-21-23	2-21-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-130*				
Toluene-d8	*121*	*78-128*				
4-Bromofluorobenzene	*94*	*71-130*				

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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0221S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**0.0732**	**0.0687**	0.0500	0.0500	146	137	30-160	6	26	
Chloromethane	**0.0574**	**0.0547**	0.0500	0.0500	115	109	59-131	5	26	
Vinyl Chloride	**0.0618**	**0.0611**	0.0500	0.0500	124	122	68-136	1	23	
Bromomethane	**0.0549**	**0.0538**	0.0500	0.0500	110	108	48-155	2	32	
Chloroethane	**0.0800**	**0.0768**	0.0500	0.0500	160	154	67-141	4	16	I,I
Trichlorofluoromethane	**0.0621**	**0.0628**	0.0500	0.0500	124	126	76-127	1	19	
1,1-Dichloroethene	**0.0578**	**0.0582**	0.0500	0.0500	116	116	75-129	1	19	
Iodomethane	**0.0481**	**0.0472**	0.0500	0.0500	96	94	37-140	2	27	
Methylene Chloride	**0.0534**	**0.0533**	0.0500	0.0500	107	107	60-124	0	18	
(trans) 1,2-Dichloroethene	**0.0572**	**0.0574**	0.0500	0.0500	114	115	79-133	0	15	
1,1-Dichloroethane	**0.0577**	**0.0589**	0.0500	0.0500	115	118	79-125	2	17	
2,2-Dichloropropane	**0.0558**	**0.0541**	0.0500	0.0500	112	108	79-126	3	18	
(cis) 1,2-Dichloroethene	**0.0638**	**0.0646**	0.0500	0.0500	128	129	75-131	1	15	
Bromochloromethane	**0.0517**	**0.0557**	0.0500	0.0500	103	111	80-126	7	15	
Chloroform	**0.0552**	**0.0608**	0.0500	0.0500	110	122	80-123	10	15	
1,1,1-Trichloroethane	**0.0480**	**0.0553**	0.0500	0.0500	96	111	78-124	14	21	
Carbon Tetrachloride	**0.0461**	**0.0521**	0.0500	0.0500	92	104	74-127	12	18	
1,1-Dichloropropene	**0.0446**	**0.0513**	0.0500	0.0500	89	103	80-123	14	15	
1,2-Dichloroethane	**0.0541**	**0.0605**	0.0500	0.0500	108	121	75-124	11	15	
Trichloroethene	**0.0487**	**0.0510**	0.0500	0.0500	97	102	80-129	5	18	
1,2-Dichloropropane	**0.0465**	**0.0576**	0.0500	0.0500	93	115	80-123	21	15	L
Dibromomethane	**0.0451**	**0.0498**	0.0500	0.0500	90	100	80-123	10	15	
Bromodichloromethane	**0.0452**	**0.0516**	0.0500	0.0500	90	103	80-129	13	15	
(cis) 1,3-Dichloropropene	**0.0465**	**0.0514**	0.0500	0.0500	93	103	80-130	10	15	
(trans) 1,3-Dichloropropene	**0.0462**	**0.0457**	0.0500	0.0500	92	91	80-124	1	15	

Date of Report: February 27, 2023
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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0221S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	**0.0534**	**0.0518**	0.0500	0.0500	107	104	80-120	3	15	
Tetrachloroethene	**0.0490**	**0.0514**	0.0500	0.0500	98	103	77-126	5	15	
1,3-Dichloropropane	**0.0550**	**0.0519**	0.0500	0.0500	110	104	77-123	6	15	
Dibromochloromethane	**0.0522**	**0.0510**	0.0500	0.0500	104	102	80-128	2	16	
1,2-Dibromoethane	**0.0542**	**0.0533**	0.0500	0.0500	108	107	80-122	2	20	
Chlorobenzene	**0.0493**	**0.0509**	0.0500	0.0500	99	102	80-120	3	18	
1,1,1,2-Tetrachloroethane	**0.0510**	**0.0517**	0.0500	0.0500	102	103	80-120	1	15	
Bromoform	**0.0497**	**0.0486**	0.0500	0.0500	99	97	78-126	2	15	
Bromobenzene	**0.0502**	**0.0497**	0.0500	0.0500	100	99	79-124	1	15	
1,1,2,2-Tetrachloroethane	**0.0576**	**0.0537**	0.0500	0.0500	115	107	75-122	7	17	
1,2,3-Trichloropropane	**0.0516**	**0.0501**	0.0500	0.0500	103	100	72-125	3	20	
2-Chlorotoluene	**0.0512**	**0.0489**	0.0500	0.0500	102	98	75-128	5	15	
4-Chlorotoluene	**0.0492**	**0.0482**	0.0500	0.0500	98	96	78-127	2	16	
1,3-Dichlorobenzene	**0.0511**	**0.0500**	0.0500	0.0500	102	100	78-123	2	17	
1,4-Dichlorobenzene	**0.0498**	**0.0499**	0.0500	0.0500	100	100	77-121	0	17	
1,2-Dichlorobenzene	**0.0492**	**0.0493**	0.0500	0.0500	98	99	80-120	0	15	
1,2-Dibromo-3-chloropropane	**0.0562**	**0.0491**	0.0500	0.0500	112	98	61-137	13	28	
1,2,4-Trichlorobenzene	**0.0533**	**0.0543**	0.0500	0.0500	107	109	77-127	2	17	
Hexachlorobutadiene	**0.0480**	**0.0469**	0.0500	0.0500	96	94	77-125	2	22	
1,2,3-Trichlorobenzene	**0.0505**	**0.0510**	0.0500	0.0500	101	102	77-124	1	19	
Surrogate:										
Dibromofluoromethane					*100*	*112*	*75-130*			
Toluene-d8					*93*	*99*	*78-128*			
4-Bromofluorobenzene					*95*	*108*	*71-130*			

Date of Report: February 27, 2023
Samples Submitted: February 17, 2023
Laboratory Reference: 2302-224
Project: 1355-001

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FB-30-45.0	02-224-02	**12**	2-24-23
FB-30-40.0	02-224-03	**10**	2-24-23

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

Laboratory Number: 02-224

Company: Farallon
Project Number: 1355-001
Project Name: Morningside Acres Tract
Project Manager: S. Brown
Sampled by: J. Smith

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ 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 (Acid / 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	% Moisture
1	FB-30-30.0-GW-021623	2-16-23	0815	water	6		X		X		X												
2	FB-30-45.0	"	1120	Soil	5		↓		↓		↓												X
3	FB-30-40.0	"	1050	Soil	5		↓		↓		↓												↓
				AO																			

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		FLN	2-16-23	1000	~~Contact PM for analysis~~
Received		alpha	2/17/23	2:45	X-Added 2/17/23
Relinquished		alpha	2/17/23	4:20	
Received		OSE	2/17/23	1620	
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

March 1, 2023

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

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2302-251

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on February 21, 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: March 1, 2023
Samples Submitted: February 21, 2023
Laboratory Reference: 2302-251
Project: 1355-001

Case Narrative

Samples were collected on February 20, 2023 and received by the laboratory on February 21, 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

The RPD for Dichlorodifluoromethane is outside the control limits for the Spike Blank/Spike Blank Duplicate. The percent recoveries on both spike blanks are within recovery limits. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

Due to the levels of sediment present in the VOA vials provided for sample MW-23-022023, the aqueous layers from three VOA vials were combined to perform the requested analysis. Some loss of volatiles may have occurred.

NWTPH-Dx Analysis

Please note that sample MW-23-022023 contained a substantial amount of solids in the sampling container used for this extraction.

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: March 1, 2023
Samples Submitted: February 21, 2023
Laboratory Reference: 2302-251
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-22-022023**					
Laboratory ID:	02-251-01					
Benzene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
Toluene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
o-Xylene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
Gasoline	**ND**	100	NWTPH-Gx	2-23-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*65-122*				
Client ID:	**MW-23-022023**					
Laboratory ID:	02-251-02					
Benzene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
Toluene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
o-Xylene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
Gasoline	**ND**	100	NWTPH-Gx	3-1-23	3-1-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*79*	*65-122*				

Date of Report: March 1, 2023
Samples Submitted: February 21, 2023
Laboratory Reference: 2302-251
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:	MB0223W1					
Benzene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
Toluene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
o-Xylene	**ND**	1.0	EPA 8021B	2-23-23	2-23-23	
Gasoline	**ND**	100	NWTPH-Gx	2-23-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*65-122*				
Laboratory ID:	MB0301W1					
Benzene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
Toluene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
o-Xylene	**ND**	1.0	EPA 8021B	3-1-23	3-1-23	
Gasoline	**ND**	100	NWTPH-Gx	3-1-23	3-1-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*65-122*				

Date of Report: March 1, 2023
Samples Submitted: February 21, 2023
Laboratory Reference: 2302-251
Project: 1355-001

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

Matrix: Water
Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-251-01										
	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						*97*	*95*	*65-122*			
Laboratory ID:	02-251-02										
	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						*79*	*84*	*65-122*			
SPIKE BLANKS											
Laboratory ID:	SB0223W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**51.9**	**50.4**	50.0	50.0		**104**	**101**	80-116	3	12	
Toluene	**53.0**	**51.6**	50.0	50.0		**106**	**103**	82-118	3	12	
Ethylbenzene	**52.4**	**50.4**	50.0	50.0		**105**	**101**	82-118	4	12	
m,p-Xylene	**52.4**	**49.9**	50.0	50.0		**105**	**100**	81-118	5	12	
o-Xylene	**52.1**	**49.9**	50.0	50.0		**104**	**100**	81-116	4	11	
Surrogate:											
Fluorobenzene						*96*	*99*	*65-122*			
Laboratory ID:	SB0301W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**50.0**	**51.3**	50.0	50.0		**100**	**103**	80-116	3	12	
Toluene	**51.1**	**52.1**	50.0	50.0		**102**	**104**	82-118	2	12	
Ethylbenzene	**50.4**	**50.9**	50.0	50.0		**101**	**102**	82-118	1	12	
m,p-Xylene	**50.6**	**50.9**	50.0	50.0		**101**	**102**	81-118	1	12	
o-Xylene	**50.4**	**50.8**	50.0	50.0		**101**	**102**	81-116	1	11	
Surrogate:											
Fluorobenzene						*98*	*97*	*65-122*			

Date of Report: March 1, 2023
Samples Submitted: February 21, 2023
Laboratory Reference: 2302-251
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-22-022023**					
Laboratory ID:	02-251-01					
Diesel Range Organics	**0.26**	0.20	NWTPH-Dx	2-22-23	2-22-23	
Lube Oil Range Organics	**0.45**	0.20	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				
Client ID:	**MW-23-022023**					
Laboratory ID:	02-251-02					
Diesel Range Organics	**0.69**	0.18	NWTPH-Dx	2-22-23	2-23-23	
Lube Oil Range Organics	**0.19**	0.18	NWTPH-Dx	2-22-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*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:	MB0222W1					
Diesel Range Organics	**ND**	0.15	NWTPH-Dx	2-22-23	2-22-23	
Lube Oil Range Organics	**ND**	0.15	NWTPH-Dx	2-22-23	2-22-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*75*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0222W1										
	ORIG	DUP									
Diesel Fuel #2	**0.464**	**0.411**	NA	NA		NA		NA	12	NA	
Surrogate:											
o-Terphenyl						*91*	*80*	*50-150*			

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-22-022023**					
Laboratory ID:	02-251-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chloromethane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromomethane	ND	1.5	EPA 8260D	2-23-23	2-23-23	
Chloroethane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Iodomethane	ND	10	EPA 8260D	2-23-23	2-23-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-23-23	2-23-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chloroform	0.28	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Trichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Dibromomethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-22-022023**					
Laboratory ID:	02-251-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromoform	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Bromobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-23-23	2-23-23	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-022023**					
Laboratory ID:	02-251-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chloromethane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromomethane	ND	1.5	EPA 8260D	2-23-23	2-23-23	
Chloroethane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Iodomethane	ND	10	EPA 8260D	2-23-23	2-23-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-23-23	2-23-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chloroform	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Trichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Dibromomethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-23-022023**					
Laboratory ID:	02-251-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromoform	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Bromobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-23-23	2-23-23	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-21-022023**					
Laboratory ID:	02-251-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chloromethane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Vinyl Chloride	0.21	0.20	EPA 8260D	2-23-23	2-23-23	
Bromomethane	ND	1.5	EPA 8260D	2-23-23	2-23-23	
Chloroethane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Iodomethane	ND	10	EPA 8260D	2-23-23	2-23-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-23-23	2-23-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chloroform	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Trichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Dibromomethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-21-022023**					
Laboratory ID:	02-251-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromoform	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Bromobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-23-23	2-23-23	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0223W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chloromethane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromomethane	ND	1.5	EPA 8260D	2-23-23	2-23-23	
Chloroethane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Iodomethane	ND	10	EPA 8260D	2-23-23	2-23-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-23-23	2-23-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chloroform	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Trichloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Dibromomethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-23-23	2-23-23	

Date of Report: March 1, 2023
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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0223W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Bromoform	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Bromobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-23-23	2-23-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-23-23	2-23-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-23-23	2-23-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-23-23	2-23-23	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	2-23-23	2-23-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0223W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**10.1**	**8.17**	10.0	10.0	101	82	34-166	21	21	L
Chloromethane	**10.6**	**9.58**	10.0	10.0	106	96	63-138	10	18	
Vinyl Chloride	**11.0**	**9.55**	10.0	10.0	110	96	71-135	14	20	
Bromomethane	**6.52**	**6.71**	10.0	10.0	65	67	20-151	3	36	
Chloroethane	**10.5**	**9.19**	10.0	10.0	105	92	76-125	13	20	
Trichlorofluoromethane	**11.9**	**10.4**	10.0	10.0	119	104	75-131	13	19	
1,1-Dichloroethene	**11.1**	**9.72**	10.0	10.0	111	97	78-125	13	19	
Iodomethane	**4.91**	**5.83**	10.0	10.0	49	58	10-155	17	40	
Methylene Chloride	**11.7**	**10.3**	10.0	10.0	117	103	80-120	13	15	
(trans) 1,2-Dichloroethene	**11.1**	**9.85**	10.0	10.0	111	99	80-125	12	17	
1,1-Dichloroethane	**11.1**	**9.84**	10.0	10.0	111	98	80-125	12	17	
2,2-Dichloropropane	**12.0**	**11.0**	10.0	10.0	120	110	80-146	9	21	
(cis) 1,2-Dichloroethene	**11.6**	**10.5**	10.0	10.0	116	105	80-129	10	17	
Bromochloromethane	**11.4**	**10.1**	10.0	10.0	114	101	80-125	12	18	
Chloroform	**11.2**	**10.0**	10.0	10.0	112	100	80-123	11	16	
1,1,1-Trichloroethane	**10.9**	**9.69**	10.0	10.0	109	97	80-123	12	18	
Carbon Tetrachloride	**10.5**	**9.38**	10.0	10.0	105	94	80-126	11	17	
1,1-Dichloropropene	**10.6**	**9.36**	10.0	10.0	106	94	80-126	12	18	
1,2-Dichloroethane	**11.6**	**10.2**	10.0	10.0	116	102	80-124	13	15	
Trichloroethene	**10.9**	**9.56**	10.0	10.0	109	96	80-122	13	18	
1,2-Dichloropropane	**10.9**	**9.61**	10.0	10.0	109	96	80-123	13	15	
Dibromomethane	**11.0**	**9.66**	10.0	10.0	110	97	80-123	13	15	
Bromodichloromethane	**11.3**	**9.76**	10.0	10.0	113	98	80-125	15	15	
(cis) 1,3-Dichloropropene	**11.2**	**9.79**	10.0	10.0	112	98	80-129	13	15	
(trans) 1,3-Dichloropropene	**10.3**	**9.06**	10.0	10.0	103	91	80-134	13	17	

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Samples Submitted: February 21, 2023
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QUALITY CONTROL
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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0223W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	**9.68**	**8.48**	10.0	10.0	97	85	77-126	13	20	
Tetrachloroethene	**10.3**	**9.21**	10.0	10.0	103	92	80-124	11	18	
1,3-Dichloropropane	**10.1**	**8.94**	10.0	10.0	101	89	80-120	12	15	
Dibromochloromethane	**10.4**	**9.18**	10.0	10.0	104	92	80-128	12	15	
1,2-Dibromoethane	**10.5**	**9.25**	10.0	10.0	105	93	80-127	13	15	
Chlorobenzene	**9.87**	**8.83**	10.0	10.0	99	88	80-120	11	17	
1,1,1,2-Tetrachloroethane	**10.1**	**8.82**	10.0	10.0	101	88	80-125	14	17	
Bromoform	**10.0**	**8.79**	10.0	10.0	100	88	80-130	13	15	
Bromobenzene	**9.46**	**8.46**	10.0	10.0	95	85	76-128	11	16	
1,1,2,2-Tetrachloroethane	**9.74**	**8.57**	10.0	10.0	97	86	74-130	13	15	
1,2,3-Trichloropropane	**8.72**	**7.90**	10.0	10.0	87	79	71-129	10	25	
2-Chlorotoluene	**9.75**	**8.66**	10.0	10.0	98	87	80-128	12	18	
4-Chlorotoluene	**10.0**	**8.98**	10.0	10.0	100	90	80-130	11	19	
1,3-Dichlorobenzene	**9.66**	**8.65**	10.0	10.0	97	87	80-126	11	17	
1,4-Dichlorobenzene	**9.30**	**8.34**	10.0	10.0	93	83	80-121	11	17	
1,2-Dichlorobenzene	**9.46**	**8.48**	10.0	10.0	95	85	79-125	11	15	
1,2-Dibromo-3-chloropropane	**9.44**	**8.26**	10.0	10.0	94	83	73-133	13	15	
1,2,4-Trichlorobenzene	**9.28**	**8.22**	10.0	10.0	93	82	80-139	12	18	
Hexachlorobutadiene	**9.59**	**8.79**	10.0	10.0	96	88	80-151	9	18	
1,2,3-Trichlorobenzene	**9.34**	**8.49**	10.0	10.0	93	85	75-146	10	28	
Surrogate:										
Dibromofluoromethane					*101*	*103*	*75-127*			
Toluene-d8					*103*	*102*	*80-127*			
4-Bromofluorobenzene					*101*	*102*	*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 Consulting
Project Number: 1355-001
Project Name: Morningside Acres Tract
Project Manager: STuart Brown
Sampled by: Megan Hess-Nelson

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

Laboratory Number: 02-251

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX 8021	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260D	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					% Moisture
1	mw-22-022023	2/20/23	1705	W	6		X		X		X																
★ 2	mw-23-022023	2/20/23	1400	W	6		X		X		X																
3	mw-21-022023	2/20/23	1525	W	6						X																

	Signature	Company	Date	Time
Relinquished	Megan Hess-Nelson	Farallon Consulting	2/21/23	0800
Received	Van	Spdy	2/21/23	0830
Relinquished	Van	Spdy	2/21/23	1035
Received		CORE	2/21/23	1035
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

★ ~~Please Hold~~ mw-23-022023 ~~For PM~~ 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

March 2, 2023

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

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2302-276

Dear Stuart:

Enclosed are the analytical results and associated quality control data for samples submitted on February 23, 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: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
Project: 1355-001

Case Narrative

Samples were collected on February 22, 2023 and received by the laboratory on February 23, 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: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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-24-022223**					
Laboratory ID:	02-276-01					
Benzene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
Toluene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
o-Xylene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
Gasoline	**ND**	100	NWTPH-Gx	2-28-23	2-28-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*65-122*				

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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:	MB0228W1					
Benzene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
Toluene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
Ethylbenzene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
m,p-Xylene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
o-Xylene	**ND**	1.0	EPA 8021B	2-28-23	2-28-23	
Gasoline	**ND**	100	NWTPH-Gx	2-28-23	2-28-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*65-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-266-01										
	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						*98*	*97*	*65-122*			
SPIKE BLANKS											
Laboratory ID:	SB0228W1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**51.5**	**52.2**	50.0	50.0		**103**	**104**	80-116	1	12	
Toluene	**53.0**	**53.3**	50.0	50.0		**106**	**107**	82-118	1	12	
Ethylbenzene	**52.9**	**53.4**	50.0	50.0		**106**	**107**	82-118	1	12	
m,p-Xylene	**52.6**	**53.1**	50.0	50.0		**105**	**106**	81-118	1	12	
o-Xylene	**53.2**	**53.7**	50.0	50.0		**106**	**107**	81-116	1	11	
Surrogate:											
Fluorobenzene						*100*	*104*	*65-122*			

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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-24-022223**					
Laboratory ID:	02-276-01					
Diesel Range Organics	**ND**	0.23	NWTPH-Dx	2-24-23	2-24-23	
Lube Oil Range Organics	**ND**	0.23	NWTPH-Dx	2-24-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*76*	*50-150*				

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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:	MB0224W1					
Diesel Range Organics	**ND**	0.13	NWTPH-Dx	2-24-23	2-24-23	
Lube Oil Range Organics	**ND**	0.13	NWTPH-Dx	2-24-23	2-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0224W1										
	ORIG	DUP									
Diesel Fuel #2	**0.365**	**0.373**	NA	NA		NA		NA	2	NA	
Surrogate:											
o-Terphenyl						*92*	*90*	*50-150*			

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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-24-022223**					
Laboratory ID:	02-276-01					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	2-27-23	2-27-23	
Chloromethane	ND	1.4	EPA 8260D	2-27-23	2-27-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Bromomethane	ND	3.7	EPA 8260D	2-27-23	2-27-23	
Chloroethane	ND	1.0	EPA 8260D	2-27-23	2-27-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Iodomethane	ND	24	EPA 8260D	2-27-23	2-27-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-27-23	2-27-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Chloroform	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Trichloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Dibromomethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-27-23	2-27-23	

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
Project: 1355-001

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-24-022223**					
Laboratory ID:	02-276-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Bromoform	ND	1.0	EPA 8260D	2-27-23	2-27-23	
Bromobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2,3-Trichloropropane	ND	0.26	EPA 8260D	2-27-23	2-27-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-27-23	2-27-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-27-23	2-27-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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:	MB0227W1					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	2-27-23	2-27-23	
Chloromethane	ND	1.4	EPA 8260D	2-27-23	2-27-23	
Vinyl Chloride	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Bromomethane	ND	3.7	EPA 8260D	2-27-23	2-27-23	
Chloroethane	ND	1.0	EPA 8260D	2-27-23	2-27-23	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Iodomethane	ND	24	EPA 8260D	2-27-23	2-27-23	
Methylene Chloride	ND	1.0	EPA 8260D	2-27-23	2-27-23	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
2,2-Dichloropropane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Bromochloromethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Chloroform	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1-Dichloropropene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Trichloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Dibromomethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Bromodichloromethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-27-23	2-27-23	

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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:	MB0227W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Tetrachloroethene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,3-Dichloropropane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Dibromochloromethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Chlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Bromoform	ND	1.0	EPA 8260D	2-27-23	2-27-23	
Bromobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2,3-Trichloropropane	ND	0.26	EPA 8260D	2-27-23	2-27-23	
2-Chlorotoluene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
4-Chlorotoluene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-27-23	2-27-23	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Hexachlorobutadiene	ND	1.0	EPA 8260D	2-27-23	2-27-23	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	2-27-23	2-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*104*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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:	SB0227W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	**7.55**	**7.26**	10.0	10.0	76	73	34-166	4	21	
Chloromethane	**7.32**	**7.96**	10.0	10.0	73	80	63-138	8	18	
Vinyl Chloride	**8.44**	**8.89**	10.0	10.0	84	89	71-135	5	20	
Bromomethane	**2.67**	**3.73**	10.0	10.0	27	37	20-151	33	36	
Chloroethane	**8.69**	**8.97**	10.0	10.0	87	90	76-125	3	20	
Trichlorofluoromethane	**10.5**	**10.7**	10.0	10.0	105	107	75-131	2	19	
1,1-Dichloroethene	**9.74**	**9.82**	10.0	10.0	97	98	78-125	1	19	
Iodomethane	**2.13**	**2.96**	10.0	10.0	21	30	10-155	33	40	
Methylene Chloride	**10.3**	**10.3**	10.0	10.0	103	103	80-120	0	15	
(trans) 1,2-Dichloroethene	**9.95**	**9.96**	10.0	10.0	100	100	80-125	0	17	
1,1-Dichloroethane	**9.75**	**10.0**	10.0	10.0	98	100	80-125	3	17	
2,2-Dichloropropane	**10.8**	**11.3**	10.0	10.0	108	113	80-146	5	21	
(cis) 1,2-Dichloroethene	**10.3**	**10.5**	10.0	10.0	103	105	80-129	2	17	
Bromochloromethane	**10.4**	**10.3**	10.0	10.0	104	103	80-125	1	18	
Chloroform	**9.87**	**10.0**	10.0	10.0	99	100	80-123	1	16	
1,1,1-Trichloroethane	**9.83**	**10.0**	10.0	10.0	98	100	80-123	2	18	
Carbon Tetrachloride	**9.65**	**9.75**	10.0	10.0	97	98	80-126	1	17	
1,1-Dichloropropene	**9.50**	**9.51**	10.0	10.0	95	95	80-126	0	18	
1,2-Dichloroethane	**10.2**	**10.3**	10.0	10.0	102	103	80-124	1	15	
Trichloroethene	**9.62**	**9.94**	10.0	10.0	96	99	80-122	3	18	
1,2-Dichloropropane	**9.69**	**9.86**	10.0	10.0	97	99	80-123	2	15	
Dibromomethane	**9.83**	**9.96**	10.0	10.0	98	100	80-123	1	15	
Bromodichloromethane	**9.98**	**10.3**	10.0	10.0	100	103	80-125	3	15	
(cis) 1,3-Dichloropropene	**9.90**	**10.1**	10.0	10.0	99	101	80-129	2	15	
(trans) 1,3-Dichloropropene	**9.17**	**9.38**	10.0	10.0	92	94	80-134	2	17	

Date of Report: March 2, 2023
Samples Submitted: February 23, 2023
Laboratory Reference: 2302-276
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:	SB0227W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1,2-Trichloroethane	**8.65**	**8.69**	10.0	10.0	87	87	77-126	0	20	
Tetrachloroethene	**9.40**	**9.41**	10.0	10.0	94	94	80-124	0	18	
1,3-Dichloropropane	**8.87**	**8.89**	10.0	10.0	89	89	80-120	0	15	
Dibromochloromethane	**9.34**	**9.32**	10.0	10.0	93	93	80-128	0	15	
1,2-Dibromoethane	**9.31**	**9.44**	10.0	10.0	93	94	80-127	1	15	
Chlorobenzene	**8.91**	**9.03**	10.0	10.0	89	90	80-120	1	17	
1,1,1,2-Tetrachloroethane	**8.91**	**8.96**	10.0	10.0	89	90	80-125	1	17	
Bromoform	**9.19**	**9.25**	10.0	10.0	92	93	80-130	1	15	
Bromobenzene	**8.64**	**8.80**	10.0	10.0	86	88	76-128	2	16	
1,1,2,2-Tetrachloroethane	**8.52**	**8.71**	10.0	10.0	85	87	74-130	2	15	
1,2,3-Trichloropropane	**7.75**	**7.77**	10.0	10.0	78	78	71-129	0	25	
2-Chlorotoluene	**8.78**	**8.88**	10.0	10.0	88	89	80-128	1	18	
4-Chlorotoluene	**9.09**	**9.26**	10.0	10.0	91	93	80-130	2	19	
1,3-Dichlorobenzene	**8.82**	**8.94**	10.0	10.0	88	89	80-126	1	17	
1,4-Dichlorobenzene	**8.54**	**8.67**	10.0	10.0	85	87	80-121	2	17	
1,2-Dichlorobenzene	**8.58**	**8.74**	10.0	10.0	86	87	79-125	2	15	
1,2-Dibromo-3-chloropropane	**8.51**	**8.86**	10.0	10.0	85	89	73-133	4	15	
1,2,4-Trichlorobenzene	**8.78**	**8.75**	10.0	10.0	88	88	80-139	0	18	
Hexachlorobutadiene	**9.03**	**9.42**	10.0	10.0	90	94	80-151	4	18	
1,2,3-Trichlorobenzene	**8.95**	**8.92**	10.0	10.0	90	89	75-146	0	28	
Surrogate:										
Dibromofluoromethane					*101*	*101*	*75-127*			
Toluene-d8					*103*	*103*	*80-127*			
4-Bromofluorobenzene					*105*	*104*	*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: JOHN KIM

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

Laboratory Number: 02-276

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (Acid / 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	% Moisture
1	MW-24-022223	2-22-23	1235	W	6		X		X		X												

	Signature	Company	Date	Time
Relinquished		FARALLON	2-22-23	1810
Received	Van	Stuart	2-23-23	845
Relinquished	Van	Stuart	2-23-23	1145
Received		ORE	2/23/23	1145
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Gx/BTEX BY 8021D
Dx
HVOCs BY 8260D
~~PLEASE CONTACT ME~~ DB 2/23/23

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

March 24, 2023

Brani Jurista
Farallon Consulting
975 5th Avenue NW
Issaquah, WA 98027

Re: Analytical Data for Project 1355-001
Laboratory Reference No. 2303-272

Dear Brani:

Enclosed are the analytical results and associated quality control data for samples submitted on March 23, 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: March 24, 2023
Samples Submitted: March 23, 2023
Laboratory Reference: 2303-272
Project: 1355-001

Case Narrative

Samples were collected on March 23, 2023 and received by the laboratory on March 23, 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: March 24, 2023
Samples Submitted: March 23, 2023
Laboratory Reference: 2303-272
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-23-230323**					
Laboratory ID:	03-272-01					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	3-24-23	3-24-23	
Lube Oil Range Organics	**0.25**	0.21	NWTPH-Dx	3-24-23	3-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*80*	*50-150*				

Date of Report: March 24, 2023
Samples Submitted: March 23, 2023
Laboratory Reference: 2303-272
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:	MB0324W1					
Diesel Range Organics	**ND**	0.12	NWTPH-Dx	3-24-23	3-24-23	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	3-24-23	3-24-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0324W1										
	ORIG	DUP									
Diesel Fuel #2	**0.434**	**0.429**	NA	NA		NA		NA	1	NA	
Surrogate:											
o-Terphenyl						*105*	*103*	*50-150*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

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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.

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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.

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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 Tract
Project Manager: B. Jurista
Sampled by: A. Osman

Turnaround Request (in working days)

(Check One)

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

Laboratory Number: 03-272

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	DRO + ORO (NWTPH-Dx)				% Moisture
1	MW-23-230323	3/23/23	1550	water	2																		X				

	Signature	Company	Date	Time
Relinquished		FLN	3/23/23	1653
Received		CORE	3/23/23	1653
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

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

ATTACHMENT C
ECOLOGY OPINION REQUEST FORM

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY ADDENDUM
Morningside Acres Tracts
5001, 5015, 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.

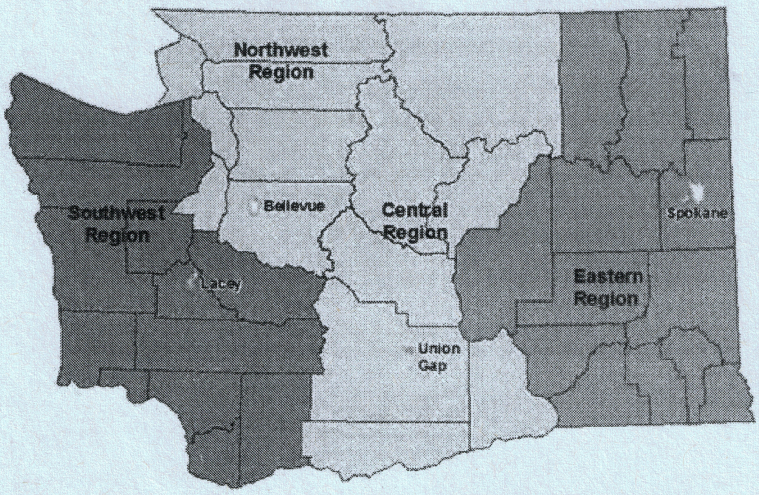
Step 3: REPRESENTATIONS AND SIGNATURE

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: Jerry-Alan K. Murakami	Date: 4-15-23	
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

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.