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T E C H N I C A L M E M O R A N D U M

TO: Grant Yang – Washington State Department of Ecology

cc: Brett Richer – Georgetown Crossroads, LLC

FROM: Pete Kingston, L.G., Principal Geologist
Scott Allin, R.E.P.A., Principal Environmental Scientist

DATE: October 7, 2021

RE: **RESPONSE TO ECOLOGY OPINION LETTER DATED JULY 15, 2021**
6050 EAST MARGINAL WAY SOUTH
SEATTLE, WASHINGTON
FARALLON PN: 1071-010
VCP PROJECT NO.: NW3050

Farallon Consulting, L.L.C. (Farallon) has prepared this Technical Memorandum on behalf of Georgetown Crossroads, LLC to provide responses to the Washington State Department of Ecology (Ecology) regarding comments and requests for additional information in the July 2021 Opinion Letter.[1] The July 2021 Opinion Letter provided comments and requests for additional information concerning the property at 6050 East Marginal Way South in Seattle, Washington (herein referred to as the Property).

The "Site," as defined under the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), is confined within the boundaries of the Property where petroleum hydrocarbons have come to be located at concentrations exceeding applicable MTCA cleanup levels. Vinyl chloride in groundwater has migrated onto the Property from up-gradient off-Property contaminant sources. The Site is enrolled in the Ecology Voluntary Cleanup Program and has been assigned Project No. NW3050.

Provided below is a summary of the Ecology comments from the July 2021 Opinion Letter and Farallon's responses, which are based on Farallon's review of the July 2021 Opinion Letter.

[1] Letter regarding Opinion Pursuant to WAC 173-340-515(5) on Remedial Action for the following Hazardous Waste Site: Site Name: Consolidated Freightways Seattle; Site Address: 6050 E. Marginal Way, Seattle, WA 98108; Facility/Site No.: 54757868; Cleanup Site ID No.: 6262; VCP Project No.: NW3050 dated July 15, 2021 from Grant Yang of Ecology to Brett Richer of Georgetown Crossroads, LLC.

Supporting information, including Figures 4 and 5, Tables 2 and 3, and additional information, are included as Attachments.

ECOLOGY COMMENT 1

All data tables and figures presented in the final Site report should be changed to reflect that the calculation for TPH-D and TPH-O requires adding concentrations of the two fractions and comparing the result to the applicable cleanup level. This requirement is referred to in the Implementation Memorandum #4, Determining Compliance with Method A Cleanup Levels for Diesel and Heavy Oil, Publication No. 04-09-086, June 2004, and Guidance for Remediation of Petroleum Contaminated Sites, Publication No. 10-09-057, revised June 2016. Please update accordingly.

FARALLON RESPONSE 1

Figure 4 and Table 2 have been updated to include the sum of total petroleum hydrocarbons as diesel-range organics (DRO) and as oil-range organics (ORO) analyzed using Ecology Method NWTPH-Dx (herein referred to collectively as NWTPH-Dx). Concentrations of NWTPH-Dx were reported as either non-detect at the laboratory practical quantitation limit (PQL) or as less than the applicable MTCA Method A cleanup level in groundwater samples collected from all monitoring wells during compliance groundwater monitoring events performed between December 2018 and November 2020, with the following exceptions:

- NWTPH-Dx was detected in monitoring well MW-19 at 510 micrograms per liter (µg/L), 520 µg/L, and 730 µg/L in December 2018, June 2019, and December 2019, respectively;
- NWTPH-Dx was detected in monitoring well MW-20 at 740 µg/L in December 2019; and
- NWTPH-Dx was detected in monitoring well MW-21 at 620 µg/L in December 2019.

NWTPH-Dx was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW-19 through MW-21 during the December 2019 groundwater monitoring event. During this groundwater monitoring event, ORO was detected for the first and only time in monitoring wells MW-15, MW-20, and MW-21. ORO generally has not been detected at concentrations exceeding the PQL, and based on the extensive existing data set, the ORO detections during the December 2019 groundwater monitoring event appear to be anomalous, which is further supported by evaluation of chromatograms, as summarized below.

Farallon reviewed the laboratory chromatograms from the December 2019 groundwater monitoring event (Attachment A). It was noted that the chromatograms demonstrate poor chromatographic baseline controls, which is a known source of variability when analyzing groundwater with low-level concentrations of DRO and ORO. Based on this chromatographic evidence, the ORO concentrations are likely biased high, which results in NWTPH-Dx concentrations exceeding the MTCA Method A cleanup level. The December 2019 analytical results are likely not representative of groundwater conditions at the Property.

ECOLOGY COMMENT 2

It is a reasonable assumption that the VC presenting the Site groundwater is migrating from an off-property source. However, detailed information regarding the neighboring MTCA cleanup Site needs to be documents in how it is impacting the Consolidated Freightways Site. The data can be retrieved and summarized from the feasibility study report: West of 4th, CSID 12260; Feasibility Study Site Unit 2, 8/11/2016.

FARALLON RESPONSE 2

Farallon reviewed publicly available files for the West of 4th Site.[2] The West of 4th Site is a joint cleanup being conducted by four potentially liable persons. Ecology divided the West of 4th Site into two units: Site Unit 1 and Site Unit 2. The West of 4th Site encompasses a large area between Fourth Avenue South and the Lower Duwamish Waterway. The southern boundary of Site Unit 2 extends onto the northern portion of the Property. The location of the West of 4th Site is shown on Figure 1 of Attachment A.

Site Unit 2 includes three source areas and two comingled groundwater plume areas down-gradient of the source areas. The down-gradient groundwater plume areas are predominantly impacted with vinyl chloride. The groundwater monitoring well network for Site Unit 2 consists of 68 monitoring wells. A subset of the groundwater monitoring well network is sampled on a semiannual basis for halogenated volatile organic compounds, including vinyl chloride. Multiple monitoring wells for Site Unit 2 are located proximate to the northern boundary of the Property. Locations of the monitoring well network are shown on Figure 2 of Attachment A.

Two sets of nested wells are located just north of the Property boundary. Monitoring wells CI-11-WT and CI-11-30 are located approximately 95 feet northwest of monitoring well MW-15 (Figure 5). Monitoring wells CI-16-WT and CI-16-30 are located approximately 105 feet north of monitoring well MW-16 (Figure 5). Monitoring wells MW-15, MW-16, CI-11-WT, and CI-16-WT are in the same water-bearing zone and screened at similar depth intervals of 5 to 20 feet below ground surface (bgs) (MW-15 and MW-16), 10 to 20 feet bgs (CI-11-WT and CI-16-WT), and 20 to 30 feet bgs (CI-11-30 and CI-16-30).

Monitoring wells MW-15 and MW-16 are located on the northern boundary of the Property, and monitoring well MW-21 is located on the southern portion of the Property (Figure 5). Vinyl chloride was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW-15, MW-16, and MW-21 during at least one compliance groundwater monitoring event performed between December 2018 and November 2020 (Figure 5; Table 4).

According to data available in Ecology's Environmental Information Management System,[3] vinyl chloride has been detected at concentrations exceeding the MTCA Method A cleanup level in

[2] Aspect Consulting, West of 4th: Documents and Data, 2021, https://clients.aspectconsulting.com/W4/.
[3] Washington State Department of Ecology, EIM Search, 2021, https://apps.ecology.wa.gov/eim/search/Detail/Detail.aspx?DetailType=Study&SystemProjectId=99971292.

groundwater samples collected from the following Site Unit 2 monitoring wells proximate to the Property:

- **CI-11-WT.** Concentrations of vinyl chloride ranged from non-detect at the laboratory PQL to 2 µg/L in groundwater samples collected between 2010 and 2019 (Figure 5; Table 4).
- **CI-11-30.** Concentrations of vinyl chloride ranged from non-detect at the laboratory PQL to 4.5 µg/L in groundwater samples collected between 2010 and 2020 (Figure 5; Table 4).
- **CI-16-30.** Concentrations of vinyl chloride ranged from non-detect at the laboratory PQL to 0.26 µg/L in groundwater samples collected between 2012 and 2020 (Figure 5; Table 4).

Additionally**,** boring CI-B21 was advanced approximately 250 feet northeast of monitoring well MW-15 in 2009 (Figure 5). Reconnaissance groundwater samples were collected during advancement of the boring from multiple depths and analyzed for vinyl chloride. Concentrations of vinyl chloride ranged from 1.4 to 3.0 µg/L in the reconnaissance groundwater samples collected from discrete intervals between 10 and 26 feet bgs (Figure 5; Table 4).

Monitoring wells MW-15 and MW-16 are located on the northern boundary of the Property, and monitoring well MW-21 is located on the southern portion of the Property (Figure 5). Concentrations of vinyl chloride exceeded the MTCA Method A cleanup level in the following monitoring wells:

- **MW-15.** Vinyl chloride was detected at concentrations of 0.23 µg/L and 0.640 µg/L in June 2019 and April 2020, respectively.
- **MW-16.** Vinyl chloride was detected at concentrations of 1.3 µg/L and 0.29 µg/L in December 2018 and June 2019, respectively.
- **MW-21.** Vinyl chloride was detected at a concentration of 0.27 µg/L in December 2018.

Vinyl chloride was reported non-detect at the laboratory PQL in the remaining groundwater samples collected from monitoring wells MW-15 through MW-22 during compliance groundwater monitoring events conducted at the Property (Figure 5; Table 4).

In 2020, the four potentially liable persons submitted a Technical Memorandum[4] to Ecology that included the results from hydrogeological monitoring conducted at the West of 4th Site in 2018 and 2019. According to the Technical Memorandum, the direction of groundwater flow is generally to the southwest toward the Lower Duwamish Waterway, and the dewatering conducted during construction of the Georgetown Wet Weather Treatment Station located on the south- and southeast-adjacent property affected the groundwater flow direction and contaminant transport at the West of 4th Site.

[4] Technical Memorandum regarding Groundwater Elevation Data Collection Study, West of 4th Site, Seattle, Washington dated April 15, 2020 from Pacific Crest Environmental, LLC to Ed Jones of Ecology.

Based on the information provided above, it is Farallon's opinion that vinyl chloride contaminated groundwater has migrated onto the northern portion of the Property. In addition, dewatering for the Georgetown Wet Weather Treatment Station impacted groundwater flow direction and contaminant transport at the Property.

ECOLOGY COMMENT 3

Contents (narratives and figures) in the final cleanup action report shall conclude that the presence of VC at the Site not only originates from the off-property source, but the contamination plumes of TPH-D/TPH-O and VC are currently not comingled together as well.

FARALLON RESPONSE 3

See Farallon Response 2 above. Vinyl chloride exceeded the MTCA Method A cleanup level in monitoring wells MW-15 and MW-16, whereas concentrations of NWTPH-Dx were less than the MTCA Method A cleanup level.

Concentrations of vinyl chloride exceeded the MTCA Method A cleanup level in monitoring well MW-21 during the first compliance groundwater monitoring event conducted at the Property in December 2018. However, this result is anomalous, and vinyl chloride was reported non-detect at the laboratory PQL in the remaining groundwater samples collected from monitoring well MW-21. Considering that the MTCA exceedance occurred during the first monitoring event conducted following well installation, cross-contamination between drilling and well development equipment may have occurred.

Based on these data, the vinyl chloride and NWTPH-Dx plumes are not comingled.

ECOLOGY COMMENT 4

An analysis shall be conducted to evaluate if there is a contamination pathway from the groundwater to surface water. The result shall conclude that the cleanup levels applied for TPH-D/TPH-O in the groundwater can protect the surface water (Duwamish River) from the contamination plume.

FARALLON RESPONSE 4

Concentrations of NWTPH-Dx are less than the surface water concentrations that are protective of aquatic receptors in marine water.[5] Concentrations of NWTPH-Dx in groundwater samples collected during compliance groundwater monitoring conducted between December 2018 and

[5] Washington Department of Ecology, *Implementation Memorandum No. 23: Concentrations of Gasoline and Diesel Range Organics Predicted to be Protective of Aquatic Receptors in Surface Waters,*. March 2019, Revised August 2021.

November 2020 have consistently been less than the protective value for marine water of 2,100 µg/L. Based on these data, the groundwater-to-surface-water pathway is incomplete.

CLOSURE

Farallon, on behalf of Georgetown Crossroads, LLC, requests that Ecology issue a No Further Action determination for the Site. If you have questions or require additional information, please contact Pete Kingston at (425) 394-4146. Thank you in advance for your assistance with this project.

Attachments: Figure 4, *Groundwater Analytical Results for NWTPH-Dx*
Figure 5, *Groundwater Analytical Results for Vinyl Chloride*
Table 2, *Groundwater Analytical Results for NWTPH-Dx*
Table 4, *Groundwater Analytical Results for Halogenated VOCs*
Attachment A, December 2019 Laboratory Chromatograms
Attachment B, West of 4th Site Figures

PK/SA:sw

FIGURES

RESPONSE TO ECOLOGY OPINION LETTER DATED JULY 15, 2021
6050 East Marginal Way South
Seattle, Washington

Farallon PN: 1071-010

OPEN SQUARE WAREHOUSE

OPEN SQUARE WAREHOUSE

FITTINGS, INC.

MW-15
12/18/2018|<260|<410|<670
3/18/2019|<250|<400|<650
6/13/2019|<250|<400|<650
9/20/2019|<270|<430|<700
12/20/2019|<210|460|460
4/30/2020|45.0|<76.2|45.0
11/4/2020|<38.1|<76.2|<114.3

FORMER USTs:
1 - 5,000-GALLON LUBE OIL
1 - 10,000-GALLON GASOLINE
(DECOMMISSIONED 1988)

FORMER TRANSFER DOCK BUILDING

EAST MARGINAL WAY SOUTH

MW-16
12/18/2018|<250|<400|<650
3/18/2019|<280|<450|<730
6/13/2019|<250|<410|<660
9/20/2019|<270|<430|<700
12/19/2019|<210|<210|<420
5/1/2020|<37.4|<74.8|<112.2
11/4/2020|<37.4|<74.8|<112.2

FORMER BUILDING

FORMER UST:
1 - 1,000-GALLON HEATING OIL
(DECOMMISSIONING DATE NOT KNOWN)

SOUTH FRONT STREET

LES SCHWAB TIRE CENTER

MW-17
12/18/2018|<260|<410|<670
3/18/2019|<250|<400|<650
6/13/2019|<260|<420|<680
9/20/2019|<280|<450|<730
12/19/2019|<210|<210|<420
4/30/2020|44.1|<74.8|44.1
11/4/2020|<37.7|<75.5|<113.2

MW-22
12/18/2018|<250|<400|<650
3/18/2019|<290|<470|<760
6/13/2019|<250|<400|<650
9/20/2019|<260|<420|<680
12/20/2019|<210|<220|<430
5/1/2020|48.3|<74.8|48.3
11/4/2020|<37.4|<74.8|<112.2

GRAINGER INDUSTRIAL SUPPLY

MW-18
12/18/2018|<260|<410|<670
3/18/2019|330|<430|330
6/13/2019|<250|490|490
9/20/2019|<270|<430|<700
12/19/2019|<200|<260|<460
4/30/2020|74.4|<75.5|74.4
11/4/2020|<37.7|170|170

FORMER USTs:
2 - 20,000-GALLON DIESEL
(DECOMMISSIONED 1988)

MW-20
12/18/2018|370|<400|370
3/18/2019|<280|<440|<720
6/13/2019|<260|<410|<670
9/20/2019|<260|<410|<670
12/20/2019|320|420|**740**
5/1/2020|130|<75.5|130
11/4/2020|121|<75.5|121

FORMER UST:
1 - 20,000-GALLON DIESEL
(DECOMMISSIONED 2017)

MW-19
12/18/2018|**510**|<400|**510**
3/18/2019|360|<400|360
6/13/2019|<260|**520**|**520**
9/20/2019|300|<420|300
12/20/2019|280|450|**730**
4/30/2020|134|<75.5|134
11/4/2020|170|<75.5|170

FORMER UST:
1 - 500-GALLON DIESEL
(DECOMMISSIONED 2017)

FORMER SHOP BUILDING

FORMER DYNAMOMETER SHED

SOUTH FRONT STREET

FORMER USTs:
2 - 3,000-GALLON WASTE OIL
1 - 5,000-GALLON LUBE OIL
1 - 8,000-GALLON DIESEL
(DECOMMISSIONED 1988)

FORMER WASH RACK

MW-21
12/18/2018|<250|<410|<660
3/18/2019|470|<400|470
6/13/2019|<250|<400|<650
9/20/2019|<260|<410|<670
12/19/2019|260|360|**620**
4/30/2020|85.7|<75.5|85.7
11/4/2020|<37.4|<74.8|<112.2

KING COUNTY WASTEWATER TREATMENT DIVISION WET WEATHER TREATMENT STATION

SOUTH MICHIGAN STREET

NOTES:
DATE SAMPLED AND CONCENTRATIONS REPORTED AS:
SAMPLE DATE | DRO | ORO | NWTPH-Dx
ANALYTICAL RESULTS IN MICROGRAMS PER LITER.
BOLD = DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT CLEANUP REGULATION (MTCA) CLEANUP LEVEL
< = 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
NWTPH-Dx = SUM OF DRO AND ORO
UST = UNDERGROUND STORAGE TANK

LEGEND

- MONITORING WELL (FARALLON, 2018)
- FORMER BUILDING
- FORMER UST(s)

0 100
SCALE IN FEET

N

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

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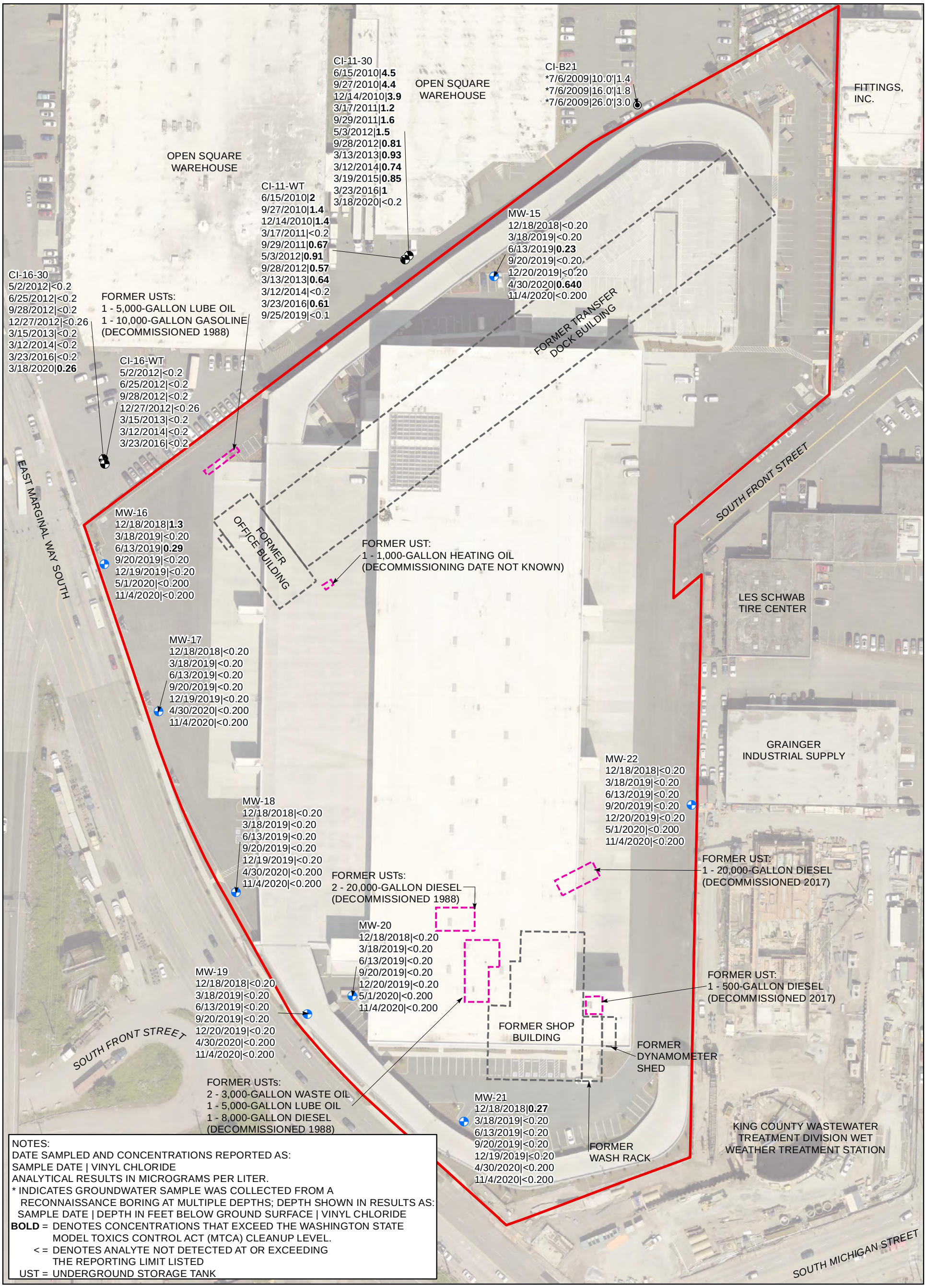
FIGURE 4

GROUNDWATER ANALYTICAL RESULTS
NWTPH-Dx
6050 EAST MARGINAL WAY SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1071-010

Drawn By: jjones | Checked By: PK | Date: 9/23/2021 | Disc Reference:

Path: Q:\Projects\1071 Prologis\010 EMarginalWay\Mapfiles\004C_GW-Compliance_202109\Figure-04_GW-DRO-ORO.mxd



LEGEND

- MONITORING WELL (FARALLON, 2018)
- MONITORING WELL (WEST OF 4th SITE)
- BORING (WEST OF 4th SITE)
- FORMER BUILDING
- FORMER UST(s)
- SITE BOUNDARY

0 100
SCALE IN FEET

N

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
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FIGURE 5

GROUNDWATER ANALYTICAL RESULTS
FOR VINYL CHLORIDE
6050 EAST MARGINAL WAY SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 1071-010

Drawn By: jjones | Checked By: PK | Date: 9/23/2021 | Disc Reference:

Path: Q:\Projects\1071 Prologis\010 EMarginalWay\Mapfiles\004C_GW-Compliance_202109\Figure-05_GW-VOCs.mxd

TABLES

RESPONSE TO ECOLOGY OPINION LETTER DATED JULY 15, 2021
6050 East Marginal Way South
Seattle, Washington

Farallon PN: 1071-010

Table 2
Groundwater Analytical Results for NWTPH-Dx
6050 East Marginal Way South
Seattle, Washington
Farallon PN: 1071-010

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]		
			DRO	ORO	NWTPH-Dx[2]
MW-15	12/18/2018	MW-15-121818	< 260	< 410	< 670
	3/18/2019	MW-15-031819	< 250	< 400	< 650
	6/13/2019	MW-15-061319	< 250	< 400	< 650
	9/20/2019	MW-15-092019	< 270	< 430	< 700
	12/20/2019	MW-15-122019	< 210	460	460
	4/30/2020	MW-15-042020	45.0 J	< 76.2	45.0 J
	11/4/2020	MW-15-110420	< 38.1	< 76.2	< 114.3
MW-16	12/18/2018	MW-16-121818	< 250	< 400	< 650
	3/18/2019	MW-16-031819	< 280	< 450	< 730
	6/13/2019	MW-16-061319	< 250	< 410	< 660
	9/20/2019	MW-16-092019	< 270	< 430	< 700
	12/19/2019	MW-16-121919	< 210	< 210	< 420
	5/1/2020	MW-16-052020	< 37.4	< 74.8	< 112.2
	11/4/2020	MW-16-110420	< 37.4	< 74.8	< 112.2
MW-17	12/18/2018	MW-17-121818	< 260	< 410	< 670
	3/18/2019	MW-17-031819	< 250	< 400	< 650
	6/13/2019	MW-17-061319	< 260	< 420	< 680
	9/20/2019	MW-17-092019	< 280	< 450	< 730
	12/19/2019	MW-17-121919	< 210	< 210	< 420
	4/30/2020	MW-17-042020	44.1 J	< 74.8	44.1 J
	11/4/2020	MW-17-110420	< 37.7	< 75.5	< 113.2
MTCA Method A Cleanup Level for Groundwater[3]			**500**	**500**	**500**

Table 2
Groundwater Analytical Results for NWTPH-Dx
6050 East Marginal Way South
Seattle, Washington
Farallon PN: 1071-010

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]		
			DRO	ORO	NWTPH-Dx[2]
MW-18	12/18/2018	MW-18-121818	< 260	< 410	< 670
	3/18/2019	MW-18-031819	330	< 430	330
	6/13/2019	MW-18-061319	< 250	490	490
	9/20/2019	MW-18-092019	< 270	< 430	< 700
	12/19/2019	MW-18-121919	< 200	< 260	< 460
	4/30/2020	MW-18-042020	74.4 J	< 75.5	74.4 J
	11/4/2020	MW-18-110420	< 37.7	170	170
MW-19	12/18/2018	MW-19-121818	**510**	< 400	**510**
	3/18/2019	MW-19-031819	360	< 400	360
	6/13/2019	MW-19-061319	< 260	**520**	**520**
	9/20/2019	MW-19-092019	300	< 420	300
	12/20/2019	MW-19-122019	280	450	**730**
	4/30/2020	MW-19-042020	134	< 75.5	134
	11/4/2020	MW19-110420	170	< 75.5	170
MW-20	12/18/2018	MW-20-121818	370	< 400	370
	3/18/2019	MW-20-031819	< 280	< 440	< 720
	6/13/2019	MW-20-061319	< 260	< 410	< 670
	9/20/2019	MW-20-092019	< 260	< 410	< 670
	12/20/2019	MW-20-122019	320	420	**740**
	5/1/2020	MW-20-052020	130	< 75.5	130
	11/4/2020	MW20-110420	121	< 75.5	121
MTCA Method A Cleanup Level for Groundwater[3]			**500**	**500**	**500**

Table 2
Groundwater Analytical Results for NWTPH-Dx
6050 East Marginal Way South
Seattle, Washington
Farallon PN: 1071-010

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]		
			DRO	ORO	NWTPH-Dx[2]
MW-21	12/18/2018	MW-21-121818	< 250	< 410	< 660
	3/18/2019	MW-21-031819	470	< 400	470
	6/13/2019	MW-21-061319	< 250	< 400	< 650
	9/20/2019	MW-21-092019	< 260	< 410	< 670
	12/19/2019	MW-21-121919	260	360	**620**
	4/30/2020	MW-21-042020	85.7	< 75.5	85.7
	11/4/2020	MW21-110420	< 37.4	< 74.8	< 112.2
MW-22	12/18/2018	MW-22-121818	< 250	< 400	< 650
	3/18/2019	MW-22-031819	< 290	< 470	< 760
	6/13/2019	MW-22-061319	< 250	< 400	< 650
	9/20/2019	MW-22-092019	< 260	< 420	< 680
	12/20/2019	MW-22-122019	< 210	< 220	< 430
	5/1/2020	MW-22-052020	48.3 J	< 74.8	48.3 J
	11/4/2020	MW22-110420	< 37.4	< 74.8	< 112.2
MTCA Method A Cleanup Level for Groundwater[3]			**500**	**500**	**500**

NOTES:

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

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

[1]Analyzed by Northwest Method NWTPH-Dx.

[2]Sum of DRO and ORO.

[3]Washington State Model Toxics Control Act Cleanup Regulation Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics.

J = result is an estimate.

ORO = TPH as oil-range organics.

Table 4
Groundwater Analytical Results for Halogenated VOCs
6050 East Marginal Way South
Seattle, Washington
Farallon PN: 1071-010

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]					
			PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Chloroform
MW-15	12/18/2018	MW-15-121818	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	3/18/2019	MW-15-031819	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	6/13/2019	MW-15-061319	< 0.20	< 0.20	< 0.20	< 0.20	**0.23**	< 0.20
	9/20/2019	MW-15-092019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	12/20/2019	MW-15-122019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	4/30/2020	MW-15-042020	< 0.200	< 0.200	< 0.200	< 0.200	**0.640**	< 0.500
	11/4/2020	MW-15-110420	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
MW-16	12/18/2018	MW-16-121818	< 0.20	< 0.20	< 0.20	< 0.20	**1.3**	0.92
	3/18/2019	MW-16-031819	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	**5.4**
	6/13/2019	MW-16-061319	< 0.20	< 0.20	< 0.20	< 0.20	**0.29**	0.49
	9/20/2019	MW-16-092019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	12/19/2019	MW-16-121919	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	5/1/2020	MW-16-052020	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
	11/4/2020	MW-16-110420	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	**35.9**
MW-17	12/18/2018	MW-17-121818	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	3/18/2019	MW-17-031819	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.30
	6/13/2019	MW-17-061319	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	9/20/2019	MW-17-092019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	12/19/2019	MW-17-121919	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	4/30/2020	MW-17-042020	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
	11/4/2020	MW-17-110420	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	**22.3**
MW-18	12/18/2018	MW-18-121818	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	3/18/2019	MW-18-031819	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	6/13/2019	MW-18-061319	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	9/20/2019	MW-18-092019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	12/19/2019	MW-18-121919	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	4/30/2020	MW-18-042020	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
	11/4/2020	MW-18-110420	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**160[3]**	**0.2**	**1.41[3]**

Table 4
Groundwater Analytical Results for Halogenated VOCs
6050 East Marginal Way South
Seattle, Washington
Farallon PN: 1071-010

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]					
			PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Chloroform
MW-19	12/18/2018	MW-19-121818	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	3/18/2019	MW-19-031819	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	6/13/2019	MW-19-061319	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	9/20/2019	MW-19-092019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	12/20/2019	MW-19-122019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	4/30/2020	MW-19-042020	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
	11/4/2020	MW19-110420	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
MW-20	12/18/2018	MW-20-121818	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	3/18/2019	MW-20-031819	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	6/13/2019	MW-20-061319	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	9/20/2019	MW-20-092019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	12/20/2019	MW-20-122019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	5/1/2020	MW-20-052020	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
	11/4/2020	MW20-110420	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
MW-21	12/18/2018	MW-21-121818	< 0.20	< 0.20	< 0.20	< 0.20	**0.27**	< 0.20
	3/18/2019	MW-21-031819	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	6/13/2019	MW-21-061319	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	9/20/2019	MW-21-092019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	12/19/2019	MW-21-121919	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	4/30/2020	MW-21-042020	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
	11/4/2020	MW21-110420	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
MW-22	12/18/2018	MW-22-121818	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	3/18/2019	MW-22-031819	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	6/13/2019	MW-22-061319	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	9/20/2019	MW-22-092019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	12/20/2019	MW-22-122019	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
	5/1/2020	MW-22-052020	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
	11/4/2020	MW22-110420	< 0.200	< 0.200	< 0.200	< 0.200	< 0.200	< 0.500
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**160[3]**	**0.2**	**1.41[3]**

Table 4
Groundwater Analytical Results for Halogenated VOCs
6050 East Marginal Way South
Seattle, Washington
Farallon PN: 1071-010

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]					
			PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Chloroform
Capital Industries Monitoring Well Groundwater Samples								
CI-11-WT	6/15/2010	CI-11-WT-061510	< 0.2	< 0.2	0.32	< 0.2	**2.0**	< 0.2
	9/27/2010	CI-11-WT-092710	< 0.2	< 0.2	0.23	< 0.2	**1.4**	< 0.2
	12/14/2010	CI-11-WT-121410	< 0.2	< 0.2	0.29	< 0.2	**1.4**	< 0.2
	3/17/2011	CI-11-WT-031711	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	9/29/2011	CI-11-WT-092911	< 0.2	< 0.2	0.26	< 0.2	**0.67**	< 0.2
	5/3/2012	CI-11-WT-050312	< 0.2	< 0.2	0.29	< 0.2	**0.91**	< 0.2
	5/3/2012	QA/QC-3-050312	< 0.2	< 0.2	0.33	< 0.2	**0.88**	< 0.2
	9/28/2012	CI-11-WT-092812	< 0.2	< 0.2	0.27	< 0.2	**0.57**	< 0.2
	3/13/2013	CI-11-WT-031313	< 0.2	< 0.2	0.22	< 0.2	**0.64**	< 0.2
	3/12/2014	CI-11-WT-031214	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	3/23/2016	CI-11-WT-032316	< 0.2	< 0.2	0.22	< 0.2	**0.61**	< 0.2
	9/25/2019	CI-11-WT-092519	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	---
CI-11-30	6/15/2010	CI-11-30-061510	< 0.2	< 0.2	0.87	< 0.2	**4.5**	< 0.2
	9/27/2010	CI-11-30-092710	< 0.2	< 0.2	0.47	< 0.2	**4.4**	< 0.2
	12/14/2010	CI-11-30-121410	< 0.2	< 0.2	0.75	< 0.2	**3.9**	< 0.2
	3/17/2011	CI-11-30-031711	< 0.2	< 0.2	0.39	< 0.2	**1.2**	0.27
	9/29/2011	CI-11-30-092911	< 0.2	< 0.2	0.65	< 0.2	**1.6**	< 0.2
	5/3/2012	CI-11-30-050312	< 0.2	< 0.2	0.75	< 0.2	**1.5**	< 0.2
	9/28/2012	CI-11-30-092812	< 0.2	< 0.2	0.43	< 0.2	**0.81**	< 0.2
	3/13/2013	CI-11-30-031313	< 0.2	< 0.2	0.36	< 0.2	**0.93**	< 0.2
	3/12/2014	CI-11-30-031214	< 0.2	< 0.2	0.26	< 0.2	**0.74**	< 0.2
	3/19/2015	CI-11-30-031915	< 0.2	< 0.2	0.46	< 0.2	**0.85**	< 0.2
	3/23/2016	CI-11-30-032316	< 0.2	< 0.2	0.28	< 0.2	**1.0**	< 0.2
	3/18/2020	CI-11-30-031820	< 0.2	< 0.2	0.22	< 0.2	< 0.2	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**160[3]**	**0.2**	**1.41[3]**

Table 4
Groundwater Analytical Results for Halogenated VOCs
6050 East Marginal Way South
Seattle, Washington
Farallon PN: 1071-010

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]					
			PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	Chloroform
CI-16-WT	5/2/2012	CI-16-WT-050212	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	6/25/2012	CI-16-WT-062512	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	9/28/2012	CI-16-WT-092812	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	12/27/2012	CI-16-WT-122712	< 0.2	< 0.2	< 0.2	< 0.2	< 0.26	< 0.2
	3/15/2013	CI-16-WT-031513	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	3/12/2014	CI-16-WT-031214	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	3/23/2016	CI-16-WT-032316	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
CI-16-30	5/2/2012	CI-16-30-050212	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	6/25/2012	CI-16-30-062512	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	9/28/2012	CI-16-30-092812	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	9/28/2012	CI-DUP3-092812	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	12/27/2012	CI-16-30-122712	< 0.2	< 0.2	< 0.2	< 0.2	< 0.26	< 0.2
	3/15/2013	CI-16-30-031513	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	3/12/2014	CI-16-30-031214	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	3/23/2016	CI-16-30-032316	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
	3/18/2020	CI-16-30-031820	< 0.2	< 0.2	< 0.2	< 0.2	**0.26**	---
Capital Industries Reconnaissance Boring Groundwater Samples								
CI-B21	7/6/2009	B21-070609-10	< 0.2	< 0.2	< 0.2	< 0.2	**1.4**	< 0.2
	7/6/2009	B21-070609-16	< 0.2	< 0.2	0.22	< 0.2	**1.8**	< 0.2
	7/6/2009	B21-070609-26	< 0.2	< 0.2	< 0.2	< 0.2	**3.0**	0.29
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**160[3]**	**0.2**	**1.41[3]**

NOTES:

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

— denotes sample not analyzed.

PCE = tetrachloroethene.

TCE = trichloroethene.

VOC = volatile organic compound.

[1]Analyzed by U.S. Environmental Protection Agency Method 8260C. Only select analytes shown; see lab report for full list of analytes.

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

[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, https://fortress.wa.gov/ecy/clarc/

ATTACHMENT A
DECEMBER 2019 LABORATORY CHROMATOGRAMS

RESPONSE TO ECOLOGY OPINION LETTER DATED JULY 15, 2021
6050 East Marginal Way South
Seattle, Washington

Farallon PN: 1071-010

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

January 2, 2020

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1071-010
Laboratory Reference No. 1912-223

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on December 20, 2019.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

Case Narrative

Samples were collected on December 19 and 20, 2019 and received by the laboratory on December 20, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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-16-121919**					
Laboratory ID:	12-223-01					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***91***	***50-150***				
Client ID:	**MW-17-121919**					
Laboratory ID:	12-223-02					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***91***	***50-150***				
Client ID:	**MW-21-121919**					
Laboratory ID:	12-223-03					
Diesel Range Organics	**0.26**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Lube Oil Range Organics	**0.36**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***94***	***50-150***				
Client ID:	**MW-18-121919**					
Laboratory ID:	12-223-04					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-30-19	12-31-19	
Lube Oil Range Organics	**ND**	0.26	NWTPH-Dx	12-30-19	12-31-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***86***	***50-150***				
Client ID:	**MW-15-122019**					
Laboratory ID:	12-223-05					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Lube Oil Range Organics	**0.46**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***95***	***50-150***				
Client ID:	**MW-22-122019**					
Laboratory ID:	12-223-06					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Lube Oil Range Organics	**ND**	0.22	NWTPH-Dx	12-30-19	12-31-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***95***	***50-150***				

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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-20-122019**					
Laboratory ID:	12-223-07					
Diesel Range Organics	**0.32**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Lube Oil Range Organics	**0.42**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***103***	***50-150***				
Client ID:	**MW-19-122019**					
Laboratory ID:	12-223-08					
Diesel Range Organics	**0.28**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Lube Oil Range Organics	**0.45**	0.21	NWTPH-Dx	12-30-19	12-31-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
o-Terphenyl	***99***	***50-150***				

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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:	MB1230W1					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-30-19	12-30-19	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-30-19	12-30-19	
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:	12-223-01									
	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						***91*** ***96***	***50-150***			

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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-16-121919**					
Laboratory ID:	12-223-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-16-121919**					
Laboratory ID:	12-223-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***99***	***75-127***				
Toluene-d8	***99***	***80-127***				
4-Bromofluorobenzene	***103***	***78-125***				

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-17-121919**					
Laboratory ID:	12-223-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-17-121919**					
Laboratory ID:	12-223-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***101***	***75-127***				
Toluene-d8	***100***	***80-127***				
4-Bromofluorobenzene	***107***	***78-125***				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-21-121919**					
Laboratory ID:	12-223-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-21-121919**					
Laboratory ID:	12-223-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***102***	***75-127***				
Toluene-d8	***103***	***80-127***				
4-Bromofluorobenzene	***108***	***78-125***				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-18-121919**					
Laboratory ID:	12-223-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-18-121919**					
Laboratory ID:	12-223-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***108***	***75-127***				
Toluene-d8	***100***	***80-127***				
4-Bromofluorobenzene	***107***	***78-125***				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-15-122019**					
Laboratory ID:	12-223-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-15-122019**					
Laboratory ID:	12-223-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***99***	***75-127***				
Toluene-d8	***97***	***80-127***				
4-Bromofluorobenzene	***106***	***78-125***				

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-22-122019**					
Laboratory ID:	12-223-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

Date of Report: January 2, 2020
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-22-122019**					
Laboratory ID:	12-223-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***105***	***75-127***				
Toluene-d8	***100***	***80-127***				
4-Bromofluorobenzene	***108***	***78-125***				

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-20-122019**					
Laboratory ID:	12-223-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-20-122019**					
Laboratory ID:	12-223-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***101***	***75-127***				
Toluene-d8	***94***	***80-127***				
4-Bromofluorobenzene	***100***	***78-125***				

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
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Project: 1071-010

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-19-122019**					
Laboratory ID:	12-223-08					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-19-122019**					
Laboratory ID:	12-223-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***105***	***75-127***				
Toluene-d8	***97***	***80-127***				
4-Bromofluorobenzene	***108***	***78-125***				

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1223W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloromethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Vinyl Chloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromomethane	ND	0.28	EPA 8260D	12-23-19	12-23-19	
Chloroethane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Iodomethane	ND	2.3	EPA 8260D	12-23-19	12-23-19	
Methylene Chloride	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chloroform	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Trichloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromomethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromodichloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260D	12-23-19	12-23-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-23-19	12-23-19	

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

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QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1223W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Tetrachloroethene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Dibromochloromethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Chlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Bromoform	ND	1.0	EPA 8260D	12-23-19	12-23-19	
Bromobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-23-19	12-23-19	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-23-19	12-23-19	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-23-19	12-23-19	
Surrogate:	***Percent Recovery***	***Control Limits***				
Dibromofluoromethane	***100***	***75-127***				
Toluene-d8	***101***	***80-127***				
4-Bromofluorobenzene	***108***	***78-125***				

Date of Report: January 2, 2020
Samples Submitted: December 20, 2019
Laboratory Reference: 1912-223
Project: 1071-010

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1223W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.4**	**11.0**	10.0	10.0	104	110	63-130	6	17	
Benzene	**10.1**	**10.5**	10.0	10.0	101	105	76-125	4	19	
Trichloroethene	**10.4**	**10.9**	10.0	10.0	104	109	76-121	5	18	
Toluene	**10.1**	**10.2**	10.0	10.0	101	102	80-124	1	18	
Chlorobenzene	**10.0**	**10.7**	10.0	10.0	100	107	75-120	7	19	
Surrogate:										
Dibromofluoromethane					***99***	***101***	***75-127***			
Toluene-d8					***98***	***98***	***80-127***			
4-Bromofluorobenzene					***105***	***106***	***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.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

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

Chain of Custody

Page 1 of 1

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

Laboratory Number: 12-223

Company: Farallon Consulting
Project Number: 1071-010
Project Name: 6050 Marginal Way 3
Project Manager: Pete Kingston
Sampled by: Matt Bowser

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	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	MW-16-121920 19 KL	12/19/20	1255	W	5				X		X																
2	MW-17-121920 19 KL		1355	W	5				X		X																
3	MW-21-121919		1500	W	5				X		X																
4	MW-18-121919		1605	W	5				X		X																
5	MW-15-122019	12/20/19	805	W	5				X		X																
6	MW-22-122019		905	W	5				X		X																
7	MW-20-122019		1005	W	5				X		X																
8	MW-19-122019		1035	W	5				X		X																
						MS																					

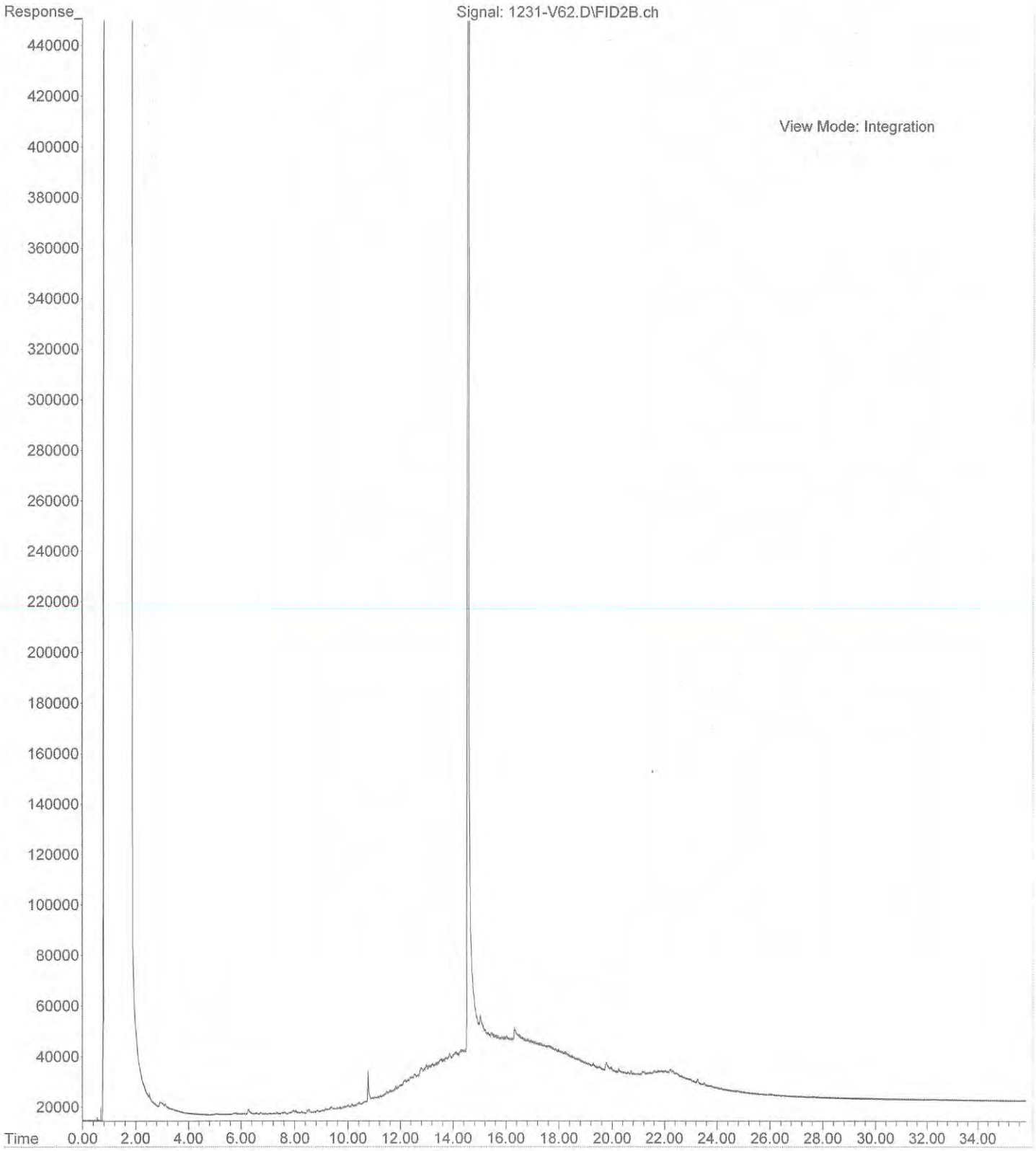
	Signature	Company	Date	Time
Relinquished		Farallon	12/20/19	14:28
Received		Alpha	12/20/19	14:28
Relinquished		Alpha	12/20/19	1407
Received		OSE	12/20/19	1607
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
DRO/ORO by NWTPH-Dx
HVOCs by EPA Method 8260

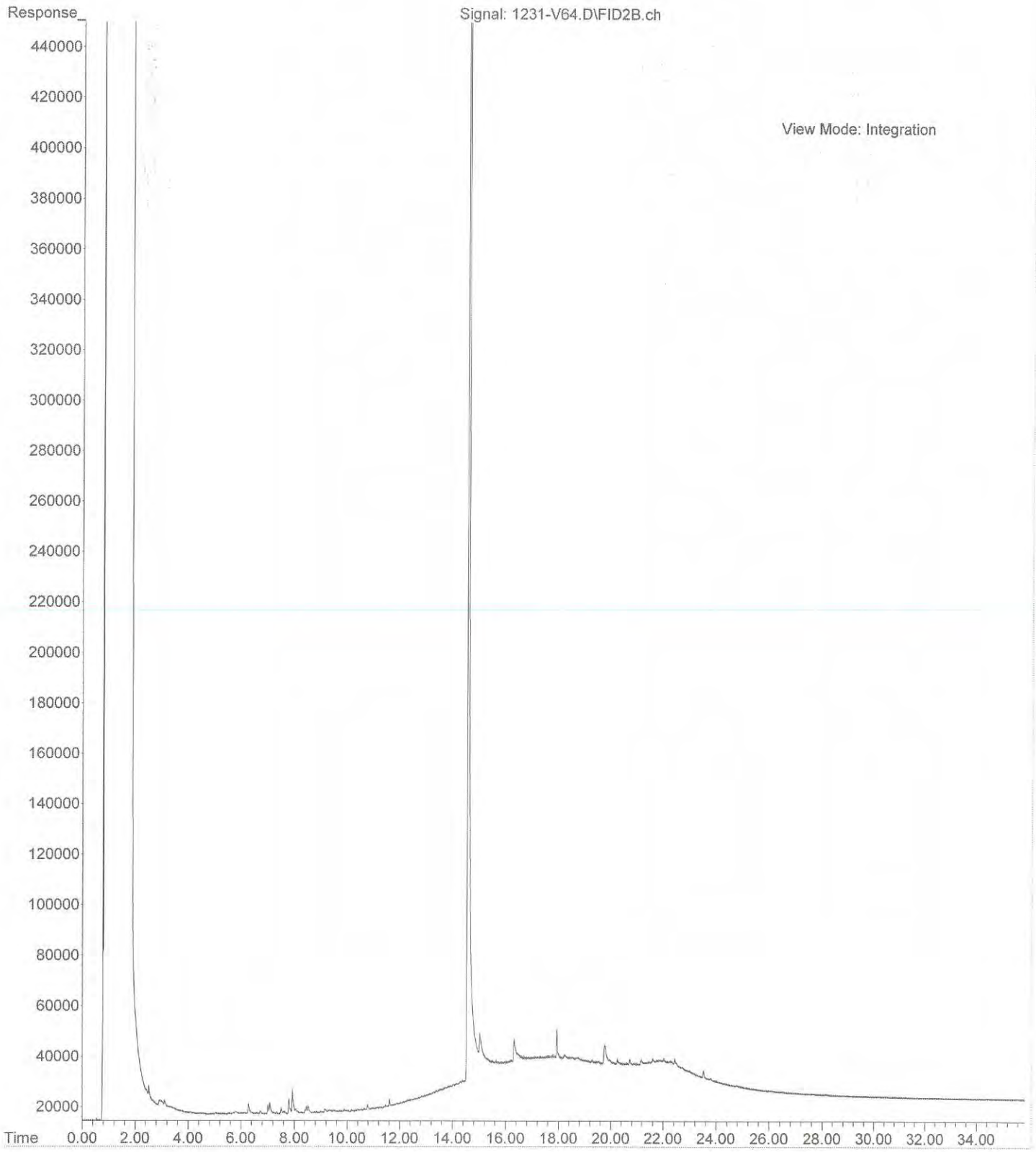
Data Package: Standard ☐ Level III ☐ Level IV ☐

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

File :X:\DIESELS\VIGO\DATA\V191231.SEC\1231-V62.D
Operator : JT
Acquired : 31 Dec 2019 13:49 using AcqMethod V191206F.M
Instrument : Vigo
Sample Name: 12-223-03
Misc Info :
Vial Number: 62



File :X:\DIESELS\VIGO\DATA\V191231.SEC\1231-V64.D
Operator : JT
Acquired : 31 Dec 2019 15:11 using AcqMethod V191206F.M
Instrument : Vigo
Sample Name: 12-223-05
Misc Info :
Vial Number: 64



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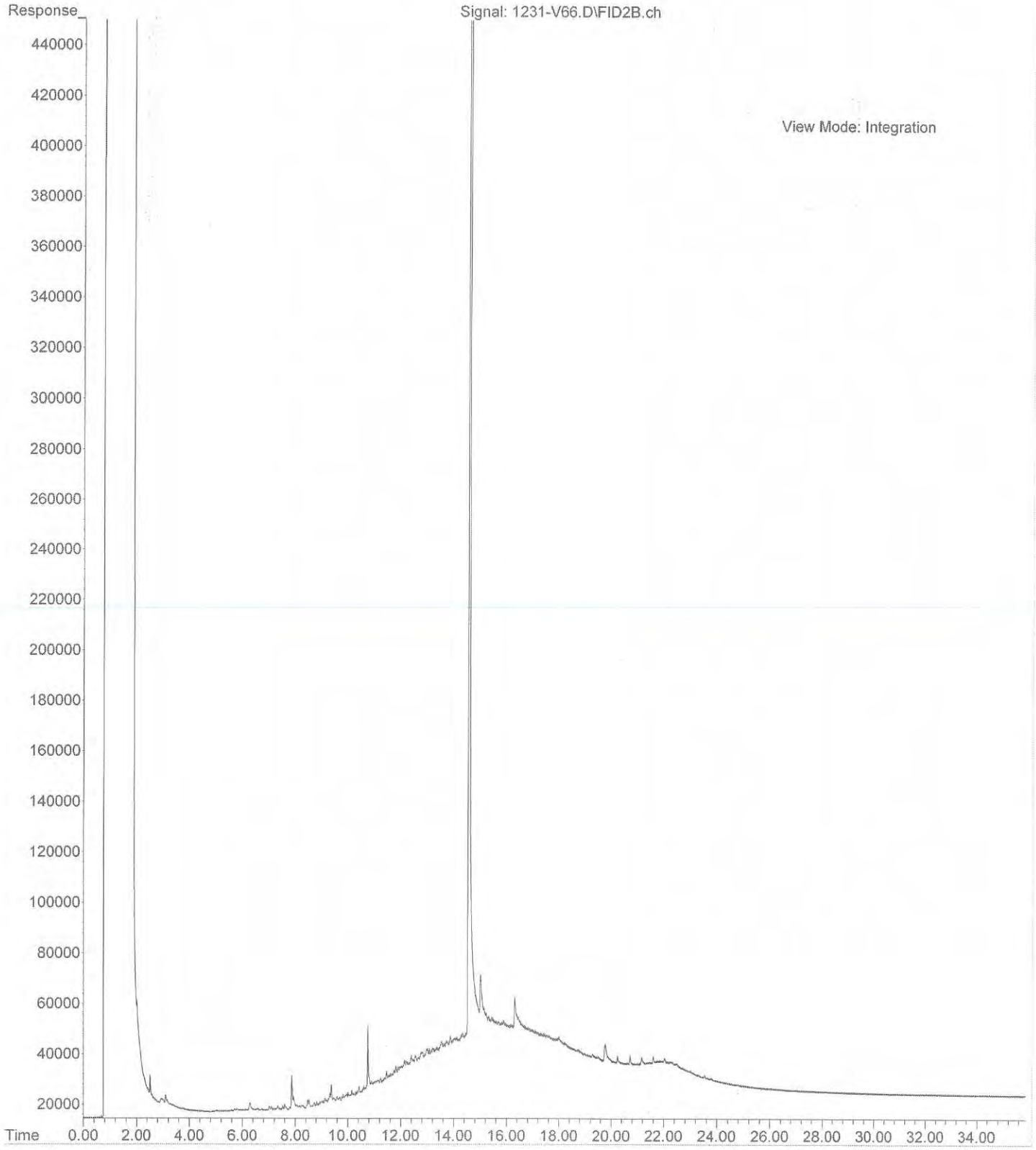
Operator : JT
Acquired : 31 Dec 2019 16:32 using AcqMethod V191206F.M
Instrument : Vigo
Sample Name: 12-223-07
Misc Info :
Vial Number: 66



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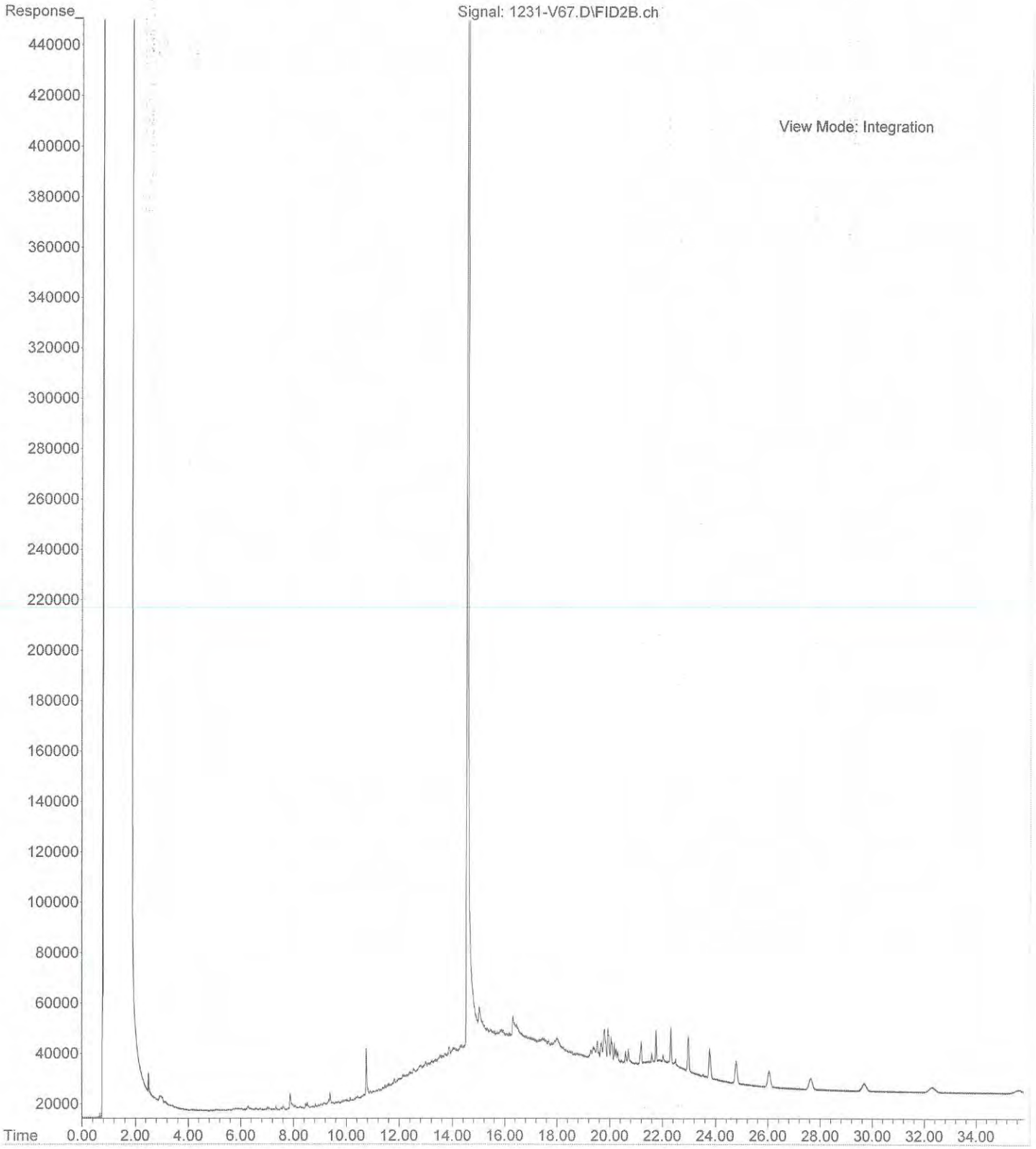
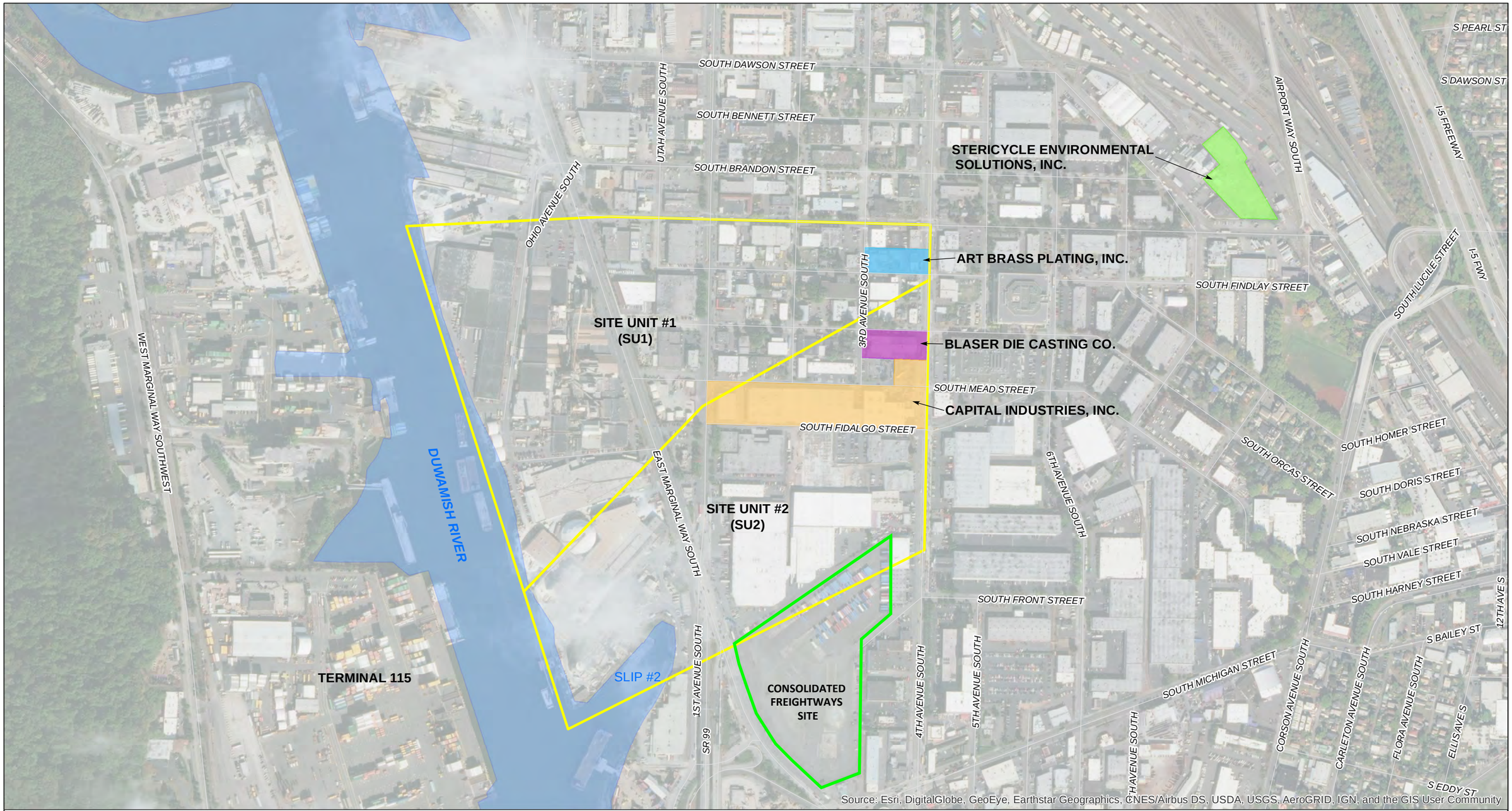
Operator : JT
Acquired : 31 Dec 2019 17:12 using AcqMethod V191206F.M
Instrument : Vigo
Sample Name: 12-223-08
Misc Info :
Vial Number: 67



ATTACHMENT B
WEST OF 4TH SITE FIGURES

RESPONSE TO ECOLOGY OPINION LETTER DATED JULY 15, 2021
6050 East Marginal Way South
Seattle, Washington

Farallon PN: 1071-010



LEGEND

- ART BRASS PLATING, INC.
- BLASER DIE CASTING CO.
- CAPITAL INDUSTRIES, INC.
- STERICYCLE ENVIRONMENTAL SOLUTIONS, INC.
- SITE UNIT BOUNDARY

N

0 250 500

SCALE IN FEET

FARALLON CONSULTING

Quality Service for Environmental Solutions | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Sacramento | Irvine

FIGURE 1

SITE DIAGRAM
WEST OF 4TH GROUP SITE
CAPITAL INDUSTRIES, INC.
5815 4TH AVENUE SOUTH
SEATTLE, WASHINGTON

FARALLON PN: 457-008

Drawn By: jjones | Checked By: JK | Date: 7/12/2017 | Disc Reference:

Document Path: Q:\Projects\457 CapitalIndust\008 PilotStudy\InterimWorkPlan\Figure1_Sitemap.mxd

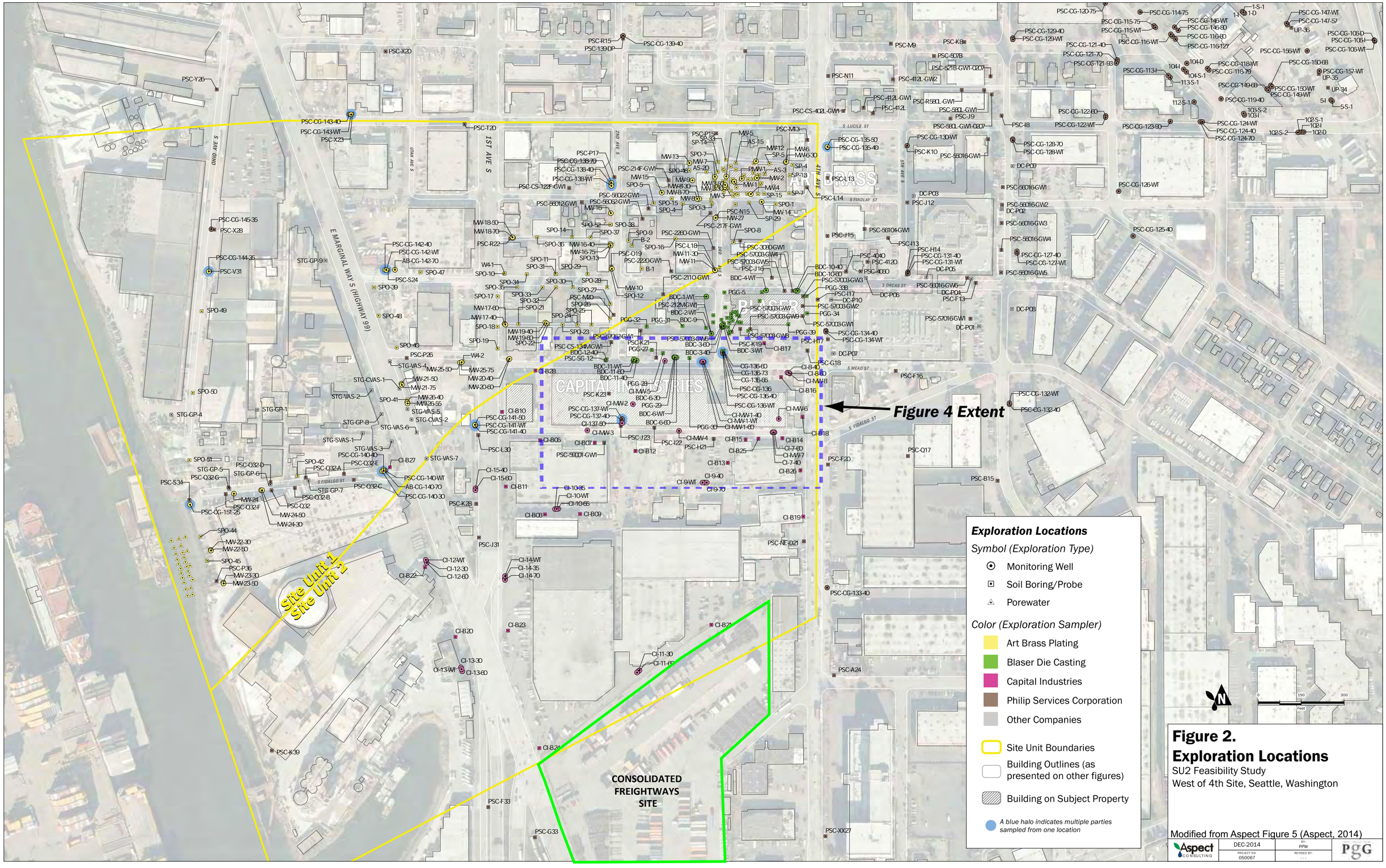


Figure 2.
Exploration Locations

SU2 Feasibility Study
West of 4th Site, Seattle, Washington

Modified from Aspect Figure 5 (Aspect, 2014)

Aspect Consulting	DEC-2014	By: PPW	PgG
	Project No. 050067	Revised By: ---	