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M E M O R A N D U M

TO: Washington State Department of Ecology **DATE**: August 24, 2022

FROM: Levi Fernandes, PE, SoundEarth Strategies, Inc.
Thomas Cammarata, LG, LHG, SoundEarth Strategies, Inc.

SUBJECT: **PPCD Second Quarter 2022 Progress Report**
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington
Project No.: 0731-004

SoundEarth Strategies, Inc. (SoundEarth) has prepared this Progress Report to summarize activities completed during the second quarter of 2022 at the Troy Laundry Seattle Site (Site), Cleanup Site ID No. 11690, which encompasses the property located at 300 Boren Avenue North and 399 Fairview Avenue North in Seattle, Washington (the Property; Figure 1). The work summarized below was conducted under Prospective Purchaser Consent Decree No. 19-2-07344-6 SEA (PPCD) between the Washington State Department of Ecology (Ecology) and Ponte Gadea Seattle LLC. This Progress Report is provided pursuant to Section IV.H. of the PPCD.

SITE ACTIVITIES—SECOND QUARTER 2022

The following section summarizes activities completed at the Site during the second quarter of 2022.

Second Quarter 2022 Groundwater Monitoring Event

The second quarter 2022 semiannual groundwater monitoring event was completed between June 6 and 9, 2022. The groundwater monitoring event was conducted pursuant to Exhibit A (Scope of Work and Schedule) of the PPCD.[1]

On June 6, 2022, groundwater elevations measured in the Site groundwater monitoring wells ranged from 13.69 feet North American Vertical Datum of 1988 (NAVD88) (at monitoring well MW-30) to 17.20 feet NAVD88 (at monitoring well MW34). Between June 6 and 9, 2022, groundwater samples were collected from Site groundwater monitoring wells, including the following:

- On Property: MW18, MW19, MW21, MW22, MW24, MW25, IW04, IW06, IW50, and IW61
- South-adjacent property: MW29, MW30, and ONNI-MW-9
- Harrison Street right-of-way (ROW): MW01, MW26, MW32, and MW33

[1] As set forth in Exhibit A to the PPCD, the groundwater monitoring results will be used to evaluate the effectiveness of the groundwater treatment program that has been implemented as part of SoundEarth's *Interim Action Plan, Troy Laundry Property, 307 Fairview Avenue North, Seattle, Washington* dated August 21, 2013, which was prepared for the Site and was approved by Ecology on October 10, 2013.

- Boren Avenue ROW: MW04, MW07, MW13, MW27, and MW31
- Thomas Street ROW: MW28
- Terry Avenue North: MW34 (replacement well for damaged monitoring well MW15)

Groundwater elevation measurements from the second quarter 2022 groundwater monitoring event are shown in Table 1, and a groundwater elevation contour map of measurements collected on June 6, 2022, is shown on Figure 2.

Groundwater samples from the second quarter 2022 groundwater monitoring event were submitted to Friedman & Bruya, Inc., of Seattle, Washington, or shipped to SiREM of Knoxville, Tennessee, under standard chain-of-custody protocols.

DEVIATIONS FROM SAMPLING RESULTS NORMS

No deviations from the sampling results were noted for samples collected during the second quarter 2022 groundwater monitoring event.

DEVIATIONS FROM REQUIRED TASKS, SCOPE OF WORK, OR SCHEDULE

A proposed modification to the groundwater monitoring program was submitted to Ecology in an email dated May 3, 2022. Ecology comments were provided by Sunny Becker to Levi Fernandes in an email dated May 16, 2022. Ecology agreed that chlorinated volatile organic compound (CVOC) chemical analyses could be discontinued for groundwater monitoring wells MW17, MW20, MW23, IW91, ONNI-MW-4, and ONNI-MW-5, as these wells are located "outside of the current approximated groundwater contamination area."

DATA AND DESCRIPTION OF UNDERLYING SAMPLES COLLECTED

Samples from all compliance wells and select Site wells were submitted for analysis for CVOCs, including tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride by US Environmental Protection Agency (EPA) Method 8260D. Select groundwater samples were additionally analyzed for petroleum hydrocarbons and/or one or more of the following geochemical parameters:

- Gasoline-range petroleum hydrocarbons (GRPH) by Method Northwest Total Petroleum Hydrocarbon (NWTPH)-Gx
- Diesel-range petroleum hydrocarbons (DRPH) and oil-range petroleum hydrocarbons (ORPH) by Method NWTPH-Dx
- Sulfate and nitrate by EPA Method 300.0
- Total iron and manganese by EPA Method 200.8
- Alkalinity by EPA Method SM 2320B
- Ferrous iron by EPA Method SM3500-Fe B
- Methane, ethene, and ethane by EPA Method RSK 175

- Total organic carbon by SM5310C
- Volatile fatty acids by EPA Methods 300.0 and 300.0 Modified

Laboratory analytical reports (raw data) from the second quarter 2022 groundwater monitoring event are included as Attachment A. Groundwater analytical results for CVOCs are summarized in Tables 2 and 2A and presented on Figure 3. Groundwater analytical results for GRPH, DRPH, ORPH, and BTEX are summarized in Table 3. Natural attenuation parameters and geochemical and water quality parameters are summarized in Tables 4 and 5, respectively. Groundwater analytical results for volatile fatty acids are summarized in Table 6.

As communicated in the PPCD Third Quarter 2020 Progress Report dated December 10, 2020, GRPH, DRPH, and ORPH chemical analysis was performed for groundwater samples collected from monitoring wells MW13, MW21, MW22, and MW28 only; chemical analysis for benzene, toluene, ethylbenzene, and total xylenes has been discontinued for all monitoring wells on the Site.

PLANNED ACTIVITIES—THIRD AND FOURTH QUARTER 2022

The following section summarizes activities planned at the Site for third and fourth quarter 2022 under the PPCD.

Draft Feasibility Study

The Draft Feasibility Study Report (Draft FS Report) was submitted to Ecology on January 25, 2022. Comments were provided by Sunny Becker and sent to:

- Thomas Cammarata and Thomas Morin (TRC Companies) in an email dated February 23, 2022.
- Thomas Cammarata and Levi Fernandes in emails dated March 16 and April 8, 2022.

The response to Ecology's comments on the Draft FS Report and supporting information (e.g.,, potential upgradient sources) was provided by Thomas Cammarata to Sunny Becker in an email dated June 10, 2022. On July 12, 2022, a project meeting was held at the Ecology offices in Shoreline, Washington, to discuss the project status and details of the Draft FS Report.

Fourth Quarter 2022 Groundwater Monitoring Event

The fourth quarter 2022 semiannual groundwater monitoring event is scheduled for December 2022.

Data Tabulation and Review

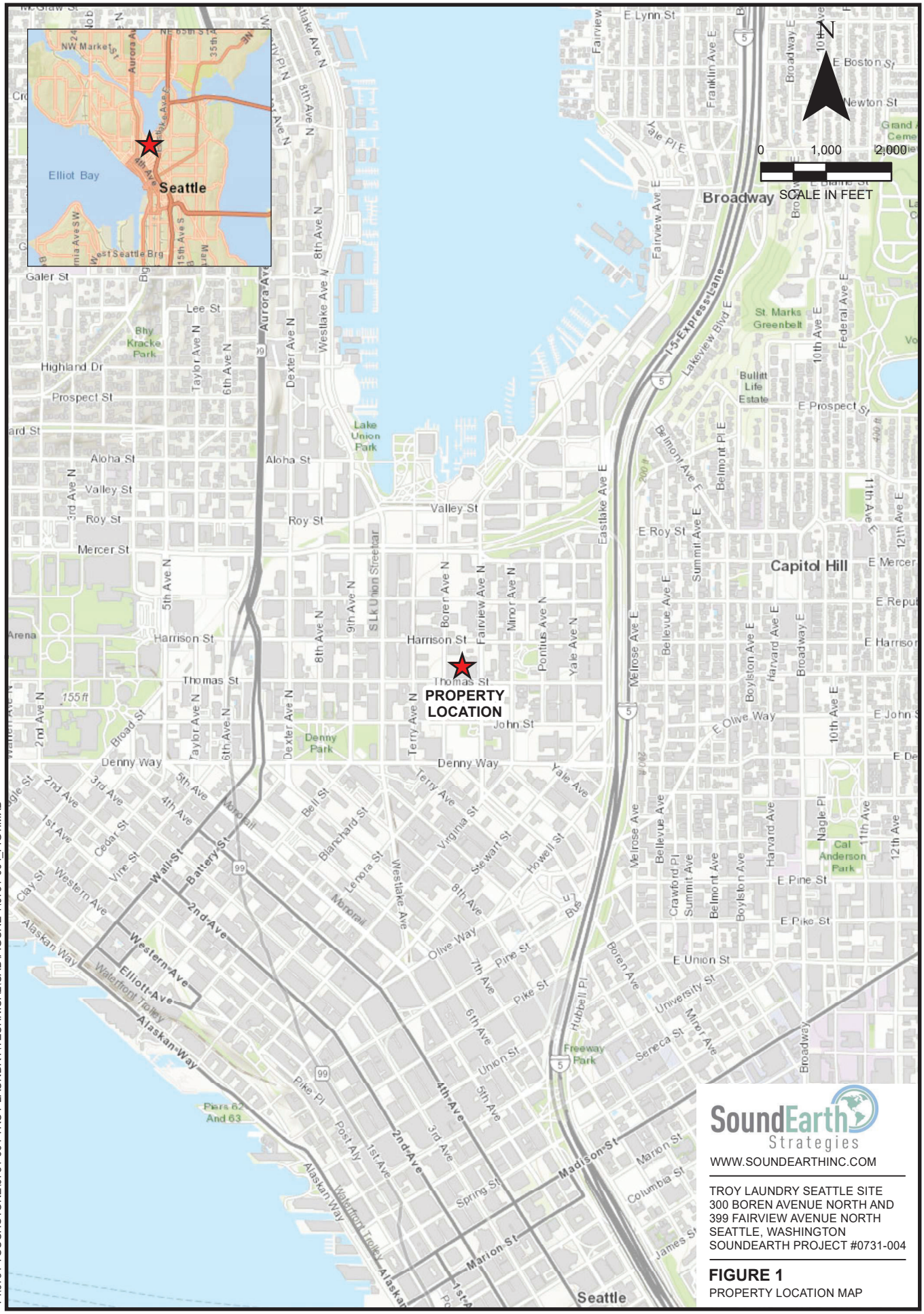
Once data from the fourth quarter 2022 groundwater monitoring event are delivered and reviewed, updated groundwater data tables and figures will be prepared. Results of the fourth quarter 2022 groundwater monitoring event will be communicated to Ecology and presented in the 2022 Annual Groundwater Monitoring Report.

Attachments: Figure 1, Property Location Map
Figure 2, Groundwater Contour Map with Rose Diagram (June 6, 2022)
Figure 3, Groundwater Analytical Results for Chlorinated Volatile Organic Compounds
Table 1, Summary of Groundwater Elevations
Table 2, Groundwater Analytical Results for CVOCs
Table 2A, Groundwater CVOCs Results Summary

Table 3, Groundwater Analytical Results for Petroleum Hydrocarbons
Table 4, Natural Attenuation Parameters
Table 5, Geochemical and Water Quality Parameters
Table 6, Groundwater Analytical Results for Volatile Fatty Acids
A, Laboratory Analytical Reports
Friedman & Bruya, Inc. #206149
Friedman & Bruya, Inc. #206150
Friedman & Bruya, Inc. #206216
SiREM Laboratory #S-9177

LMF/TJC:kak

FIGURES



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TROY LAUNDRY SEATTLE SITE
300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 1
PROPERTY LOCATION MAP

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\FIGURE 1\0731-004_FIG1.MXD

7/27/2022

P:\0731-TOUCHSTONE\0731-004-TROY LAUNDRY\TECHNICAL\CAD\2022\2022-Q2 PPCD PROGRESS REPORT\0731-004_2022_CM-Q2.DWG

B56/MW31 (17.01')

B58/MW33 (17.10')

B08/MW01 (15.75')

MW26 (14.67')

B59/ MW02

B57/ MW32 (14.63')

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

TERRY AVENUE NORTH

B11/MW04 (17.15')

B15/ MW07 (16.68')

BRAVEHORSE TAVERN

AMAZON BUILDING

BOREN AVENUE NORTH

IW06

IW04

MW17 (14.72')

TROY LAUNDRY PROPERTY

MW18 (14.61')

B31/ MW12

B13/ MW06

MW19 (14.65')

MW20 (14.59')

B28/ MW10

MW24 (14.61')

B30/ MW11

B26/ MW08

FAIRVIEW AVENUE NORTH

MW34 (17.20')

B49/MW15

MW27 (14.57')

B12/ MW05

MW25 (14.68')

IW50

MW21 (14.59')

SOUTH LAKE UNION HOTEL LLC

MW22 (14.68')

B37/MW13 (14.91')

IW61

MW23 (14.59')

B27/ MW09

IW91 (14.49')

HISTORICAL BUILDING FACADE

B50/ MW16

MW28 (14.74')

THOMAS STREET

B38/ MW14

B55/MW30 (13.69')*

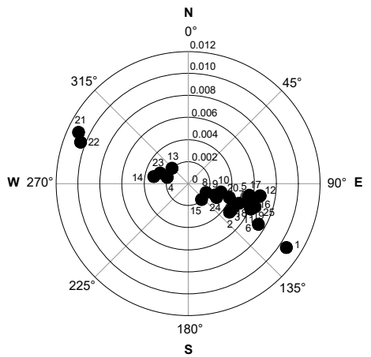
B54/MW29 (14.66')

SEATTLE TIMES SITE

ONNI MW-9 (14.42')

ONNI MW-4 (14.58')

ONNI MW-5 (14.83')*



1	05/31/11	21	06/25/20
2	10/20/11	22	12/09/20
3	12/10/12	23	06/22/21
4	08/29/13	24	12/14/21
5	05/05/15	25	06/06/22
6	08/03/15		
7	12/07/15		
8	03/07/16		
9	07/12/16		
10	10/18/16		
11	01/24/17		
12	05/31/17		
13	09/21/17		
14	12/14/17		
15	03/08/18		
16	06/28/18		
17	09/22/18		
18	12/13/18		
19	06/13/19		
20	12/04/19		

N

0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (ENVIRONMENTAL PARTNERS INC)
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- INJECTION WELL
- ANGLED INJECTION WELL
- MONUMENT AND HORIZONTAL PIPING FOR INJECTION WELL SCREEN ACCESS
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (12.37') — GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (JUNE 6, 2022)
- * — GROUNDWATER ELEVATION ANOMALIES NOT USED TO CONTOUR GROUNDWATER ELEVATION

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FIGURE 2

GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM (JUNE 6, 2022)

7/26/2022

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2022\2022 Q2 PPCD PROGRESS REPORT\0731-004_2022PPCD_GAR-CVOCS.DWG

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW33	12/10/20	Well dry, unable to sample				
	06/24/21	<1	<1	<1	<1	<0.2
	12/16/21	<1	<0.5	<1	<1	<0.2
	06/07/22	<1	<0.5	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW01	12/11/20	<1	<1	<1	<1	<0.2
	06/24/21	<1	<1	<1	<1	<0.2
	12/15/21	<1	0.50	<1	<1	<0.2
	06/07/22	<1	0.73	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW31	12/11/20	<1	17	<1	<1	<0.2
	06/24/21	<1	5.0	<1	<1	<0.2
	12/15/21	<1	6.3	<1	<1	<0.2
	06/07/22	<1	4.2	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW26	12/11/20	<1	4.0	<1	<1	<0.2
	06/24/21	<1	6.6	<1	<1	<0.2
	12/15/21	<1	7.9	<1	<1	<0.2
	06/08/22	<1	3.5	<1	<1	0.038

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW32	12/12/20	<1	<1	<1	<1	<0.2
	06/24/21	<1	<1	<1	<1	<0.2
	12/15/21	<1	<0.5	<1	<1	<0.2
	06/08/22	<1	<0.5	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW04	12/12/20	<1	<1	1.0	<1	0.64
	06/25/21	<1	<1	<1	<1	0.46
	12/17/21	<1	<0.5	1.1	<1	0.34
	06/09/22	<1	<0.5	<1	<1	0.34

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW06	12/12/20	<1	<1	3.3	<1	<0.2
	06/25/21	<1	<1	3.6	<1	0.59
	12/17/21	<1	<0.5	<1	<1	<0.2
	06/09/22	<1	<0.5	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW04	12/11/20	<1	9.2	<1	<1	<0.2
	06/24/21	<1	11	<1	<1	<0.2
	12/15/21	<1	7.8	<1	<1	<0.2
	06/07/22	<1	9.2	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW18	12/12/20	<1	<1	15	<1	2.4
	06/25/21	<1	<1	1.9	<1	1.7
	12/17/21	<1	<0.5	<1	<1	1.8
	06/09/22	<1	<0.5	<1	<1	1.6

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW07	12/10/20	1.7	18	3.2	<1	<0.2
	06/23/21	1.8	15	3.4	<1	<0.2
	12/15/21	2.0	7.2	<1	<1	<0.2
	06/07/22	2.9	6.5	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW19	12/12/20	<1	<1	22	<1	2.6
	06/25/21	<1	<1	<1	<1	1.0
	12/17/21	<1	<0.5	<1	<1	1.5
	06/09/22	<1	<0.5	<1	<1	1.9

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW34	12/16/21	<1	5.3	<1	<1	<0.2
	06/07/22	<1	5.9	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW15	12/05/19	<1	4.9	<1	<1	<0.2
	06/26/20	<1	1.2	<1	<1	<0.2
	12/11/20	<1	<1	<1	<1	<0.2
	WELL DAMAGED 2021					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW27	12/10/20	<1	69	3.7	<1	<0.2
	06/23/21	<1	80	4.3	<1	<0.2
	12/15/21	<1	28	8.2	<1	<0.2
	06/08/22	<1	16	2.7	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW25	12/12/20	<1	<1	35	<1	0.43
	06/25/21	<1	<1	48	<1	0.79
	12/17/21	<1	0.52	13	<1	3.6
	06/09/22	1.3	1.3	9.6	<1	4.1

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW13	12/10/20	7.2	1.6	<1	<1	<0.2
	06/23/21	4.1	<1	<1	<1	<0.2
	12/16/21	5.2	1.0	<1	<1	<0.2
	06/08/22	5.0	0.86	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW23	06/27/20	<1	<1	30	<1	0.76
	12/12/20	<1	<1	30	<1	0.85
	06/25/21	<1	<1	26	<1	0.97
	12/17/21	<1	<0.5	15	<1	3.7
	Well not sampled 2022 Q2					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW28	12/04/19	8.4	4.9	52	<1	0.27
	06/26/20	9.1	5.1	22	<1	<0.2
	12/11/20	8.3	4.9	19	<1	<0.2
	05/21/21	9.2	4.3	17	<1	<0.2
	06/23/21	7.0	3.5	14	<1	<0.2
	08/17/21	7.6	3.9	18	<1	<0.2
	09/21/21	7.5	3.4	15	<1	0.10
	12/16/21	5.2	2.8	17	<1	<0.2
	06/09/22	2.7	1.4	23	<1	0.082

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW30	12/10/20	<1	2.4	13	<1	<0.2
	06/23/21	<1	2.0	7.4	<1	<0.2
	12/15/21	<1	2.2	5.2	<1	<0.2
	06/06/22	<1	2.3	3.5	<1	0.029

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW17	06/27/20	<1	<1	<1	<1	<0.2
	12/12/20	<1	<1	<1	<1	<0.2
	06/25/21	<1	1.7	<1	<1	<0.2
	12/17/21	<1	1.5	<1	<1	<0.2
	Well not sampled 2022 Q2					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW20	06/27/20	<1	1.2	6.1	<1	<0.2
	12/12/20	<1	1.3	6.0	<1	<0.2
	06/25/21	<1	1.6	5.3	<1	<0.2
	12/17/21	<1	0.94	5.2	<1	<0.2
	Well not sampled 2022 Q2					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW24	12/12/20	<1	<1	45	<1	0.61
	06/25/21	<1	<1	37	<1	0.67
	12/17/21	<1	<0.5	46	<1	0.71
	06/09/22	<1	<0.5	74	<1	1.1

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW50	12/12/20	<1	<1	<1	<1	<0.2
	06/25/21	3.7	<1	1.7	<1	0.85
	12/17/21	<1	<0.5	2.9	<1	0.80
	06/09/22	<1	<0.5	6.9	<1	2.4

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW21	12/12/20	<1	<1	10	<1	1.8
	06/25/21	<1	<1	11	<1	0.86
	12/17/21	<1	<0.5	12	<1	1.3
	06/09/22	<1	<0.5	12	<1	1.9

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW91	06/27/20	<1	<1	<1	<1	<0.2
	12/12/20	<1	<1	<1	<1	<0.2
	06/25/21	<1	<1	<1	<1	<0.2
	12/17/21	<1	<0.5	<1	<2	<0.2
	Well not sampled 2022 Q2					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW22	12/12/20	<1	<1	44	<1	1.1
	06/25/21	1.1	<1	43	<1	0.82
	12/17/21	<1	0.51	52	<1	1.2
	06/09/22	<1	<0.5	52	<1	1.3

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW61	12/12/20	<1	<1	30	<1	4.1
	06/25/21	<1	<1	25	<20	1.8
	12/17/21	<1	<0.5	41	<1	3.8
	06/09/22	<1	<0.5	25	<1	3.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
ONNI-MW-9	12/14/21	<1	<0.5	1.3	<1	<0.2
	06/06/22	<1	<0.5	<1	<1	<0.02

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
ONNI-MW-4	06/25/20	<1	<1	<1	<1	<0.2
	12/10/20	<1	<1	<1	<1	<0.2
	06/22/21	<1	<1	<1	<1	<0.2
	12/15/21	<1	<0.5	<1	<1	<0.2
	Well not sampled 2022 Q2					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
ONNI-MW-5	06/25/20	<1	<1	<1	<1	<0.2
	12/09/20	<1	<1	<1	<1	<0.2
	06/23/21	<1	<1	<1	<1	<0.2
	12/14/21	<1	<0.5	<1	<1	<0.2
	Well not sampled 2022 Q2					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW29	12/10/20	18	13	18	<1	<0.2
	06/22/21	14	11	16	<1	<0.2
	12/15/21	15	12	14	<1	<0.2
	06/08/22	20	15	10	<1	0.13

B56/MW31
B58/MW33
B08/ MW01
MW26
B09/ MW02
B57/MW32
B10/ MW03
HARRISON STREET
IW06
IW04
B11/MW04
MW17
B15/MW07
MW18
TROY LAUNDRY PROPERTY
FAIRVIEW AVENUE NORTH
BOREN
B31/ MW12
B13/ MW06
MW19
B28/ MW10
MW20
MW24
B30/ MW11
B26/ MW08
MW34
B49/MW15
MW27
MW25
B12/ MW05
IW50
MW21
MW22
IW61
MW23
B37/MW13
B27/ MW09
IW91
B29/ MW14
THOMAS STREET
B50/ MW16
MW28
B55/MW30
B54/MW29
SEATTLE TIMES SITE
ONNI MW-9
ONNI MW-4
ONNI MW-5

N
0 40 80
APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 MONITORING WELL
- MW-5 MONITORING WELL (ENVIRONMENTAL PARTNERS INC)
- IW91 INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 INJECTION WELL (SAMPLED)
- DECOMMISSIONED/ DESTROYED MONITORING WELL
- INJECTION WELL
- ANGLED INJECTION WELL
- MONUMENT AND HORIZONTAL PIPING FOR INJECTION WELL SCREEN ACCESS

DCE	DICHLOROETHENE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT
<	NOT DETECTED AT A CONCENTRATION EXCEEDING LABORATORY REPORTING LIMIT
RED	DENOTES CONCENTRATIONS EXCEEDING THE MTCA METHOD CLEANUP LEVEL FOR GROUNDWATER

	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MTCA Method A	5	5	16	160	0.2

SoundEarth Strategies
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TROY LAUNDRY SEATTLE SITE
300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 3
GROUNDWATER ANALYTICAL RESULTS FOR CHLORINATED VOLATILE ORGANIC COMPOUNDS

TABLES

Table 1
Summary of Groundwater Elevations
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well	TOC Elevation[(1)] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
Troy Laundry Property								
MW06	74.78	60	75	15	0	05/31/11	58.70	16.08
						10/20/11	58.91	15.87
						12/13/12	58.71	16.07
						08/29/13	60.30	14.48
	DECOMMISSIONED 2013							
MW08	92.88	105	110	-12	-17	10/20/11	77.18	15.70
						08/29/13	78.10	14.78
	DECOMMISSIONED 2013							
MW09	92.92	105	110	-12	-17	10/20/11	77.24	15.68
						08/29/13	78.51	14.41
	DECOMMISSIONED 2013							
MW10	92.73	75	90	18	3	10/20/11	77.14	15.59
						12/13/12	77.01	15.72
						08/29/13	78.28	14.45
	DECOMMISSIONED 2013							
MW11	88.23	68	83	20	5	10/20/11	72.43	15.80
						12/13/12	72.29	15.94
						08/29/13	73.78	14.45
	DECOMMISSIONED 2013							
MW12	74.44	95	100	-21	-26	10/20/11	58.71	15.73
						08/29/13	59.99	14.45
	DECOMMISSIONED 2013							
MW17	35.72	22	37	14	-1	05/05/15	25.26	10.46
						08/03/15	24.82	10.90
						12/07/15	25.49	10.23
						03/07/16	24.98	10.74
						07/12/16	24.61	11.11
						10/18/16	23.14	12.58
						01/24/17	20.84	14.88
						05/31/17	22.75	12.97
						09/21/17	25.73	9.99
						12/14/17	25.14	10.58
						03/08/18	23.04	12.68
						06/28/18	22.00	13.72
						09/19/18	21.64	14.08
						12/13/18	21.42	14.30
						06/13/19	20.93	14.79
						10/09/19	21.30	14.42
						12/04/19	22.04	13.68
						06/25/20	24.13	11.59
						12/09/20	24.74	10.98
						06/22/21	23.38	12.34
						12/14/21	21.12	14.60
						06/06/22	21.00	14.72

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MW18	35.34	35	55	0	-20	05/05/15	24.92	10.42
						08/03/15	24.49	10.85
						12/07/15	25.21	10.13
						03/07/16	24.64	10.70
						07/12/16	24.23	11.11
						10/18/16	22.81	12.53
						01/24/17	20.98	14.36
						05/31/17	22.49	12.85
						09/21/17	25.36	9.98
						12/14/17	24.70	10.64
						03/08/18	22.60	12.74
						06/28/18	21.70	13.64
						09/19/18	21.34	14.00
						12/13/18	21.12	14.22
						06/13/19	20.62	14.72
						10/09/19	20.50	14.84
						12/04/19	22.15	13.19
						06/25/20	23.81	11.53
						12/09/20	24.42	10.92
						06/22/21	23.01	12.33
						12/14/21	21.81	13.53
						06/06/22	20.73	14.61
MW19	37.69	35	55	3	-17	05/05/15	27.24	10.45
						08/03/15	26.82	10.87
						12/07/15	27.51	10.18
						03/07/16	26.97	10.72
						07/12/16	26.57	11.12
						10/18/16	25.12	12.57
						01/24/17	22.97	14.72
						05/31/17	24.74	12.95
						09/21/17	27.60	10.09
						12/14/17	26.97	10.72
						03/08/18	24.89	12.80
						06/28/18	24.00	13.69
						09/19/18	23.65	14.04
						12/13/18	25.41	12.28
						06/13/19	22.95	14.74
						10/09/19	27.60	10.09
						12/04/19	23.33	14.36
						06/25/20	26.16	11.53
						12/09/20	26.76	10.93
						06/22/20	25.31	12.38
						12/14/21	24.13	13.56
						06/06/22	23.04	14.65

Table 1
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Seattle, Washington

Well	TOC Elevation[(1)] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
MW20	35.63	35	55	1	-19	05/05/15	25.24	10.39
						08/03/15	24.44	11.19
						12/07/15	25.50	10.13
						03/07/16	24.94	10.69
						07/12/16	24.62	11.01
						10/18/16	23.13	12.50
						01/24/17	21.32	14.31
						05/31/17	22.70	12.93
						09/21/17	25.53	10.10
						12/14/17	24.91	10.72
						03/08/18	22.89	12.74
						06/28/18	22.01	13.62
						09/19/18	21.67	13.96
						12/13/18	21.43	14.20
						06/13/19	20.95	14.68
						10/09/19	24.25	11.38
						12/04/19	21.45	14.18
						06/25/20	23.99	11.64
						12/09/20	24.63	11.00
						06/22/21	23.27	12.36
						12/14/21	22.12	13.51
						06/06/22	21.04	14.59
MW21	35.58	35	55	1	-19	05/05/15	25.21	10.37
						08/03/15	24.82	10.76
						12/07/15	25.49	10.09
						03/07/16	24.90	10.68
						07/12/16	24.56	11.02
						10/18/16	23.00	12.58
						01/24/17	21.54	14.04
						05/31/17	23.37	12.21
						09/21/17	25.96	9.62
						12/14/17	25.20	10.38
						03/08/18	24.10	11.48
						06/28/18	22.89	12.69
						09/19/18	INACCESSIBLE	
						12/13/18	22.59	12.99
						06/13/19	23.70	11.88
						10/09/19	26.52	9.06
						12/04/19	20.50	15.08
						06/25/20	23.83	11.75
						12/09/20	24.60	10.98
						06/22/21	23.21	12.37
						12/14/21	22.08	13.50
						06/06/22	20.99	14.59

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Well	TOC Elevation[(1)] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
MW22	35.47	35	55	0	-20	05/05/15	25.14	10.33
						08/03/15	24.75	10.72
						12/07/15	25.41	10.06
						03/07/16	24.86	10.61
						07/12/16	24.52	10.95
						10/18/16	23.05	12.42
						01/24/17	21.68	13.79
						05/31/17	23.45	12.02
						09/21/17	26.20	9.27
						12/14/17	25.60	9.87
						03/08/18	23.65	11.82
						06/28/18	23.30	12.17
						09/19/18	INACCESSIBLE	
						12/13/18	21.62	13.85
						06/13/19	--	--
						10/09/19	20.73	14.74
						12/04/19	20.18	15.29
						06/25/20	23.75	11.72
						12/09/20	24.39	11.08
						06/22/21	23.10	12.37
						12/14/21	21.94	13.53
						06/06/22	20.79	14.68
MW23	35.43	36	56	-1	-21	05/05/15	25.08	10.35
						08/03/15	24.72	10.71
						12/07/15	25.34	10.09
						03/07/16	24.77	10.66
						07/12/16	24.54	10.89
						10/18/16	22.98	12.45
						01/24/17	21.06	14.37
						05/31/17	22.41	13.02
						09/21/17	25.11	10.32
						12/14/17	24.65	10.78
						03/08/18	22.69	12.74
						06/28/18	21.03	14.40
						09/19/18	21.50	13.93
						12/13/18	21.22	14.21
						06/13/19	20.80	14.63
						10/09/19	22.03	13.40
						12/04/19	21.22	14.21
						06/25/20	23.75	11.68
						12/09/20	24.40	11.03
						06/22/21	23.07	12.36
						12/14/21	21.89	13.54
						06/06/22	20.84	14.59

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MW24	34.88	35	55	0	-20	05/05/15	24.47	10.41
						08/03/15	24.06	10.82
						12/07/15	24.72	10.16
						03/07/16	24.12	10.76
						07/12/16	23.76	11.12
						10/18/16	22.19	12.69
						01/24/17	19.95	14.93
						05/31/17	23.29	11.59
						09/21/17	INACCESSIBLE	
						12/14/17	24.22	10.66
						03/08/18	22.10	12.78
						06/28/18	21.98	12.90
						09/19/18	20.81	14.07
						12/13/18	20.65	14.23
						06/13/19	20.18	14.70
						10/09/19	21.65	13.23
						12/04/19	21.40	13.48
						06/25/20	23.27	11.61
						12/09/20	23.91	10.97
						06/22/21	22.52	12.36
						12/14/21	21.37	13.51
						06/06/22	20.27	14.61
MW25	41.38	35.5	55.5	6	-14	05/05/15	30.85	10.53
						08/03/15	30.60	10.78
						12/07/15	31.30	10.08
						03/07/16	30.71	10.67
						07/12/16	30.44	10.94
						10/18/16	28.95	12.43
						01/24/17	27.07	14.31
						05/31/17	28.24	13.14
						09/21/17	31.09	10.29
						12/14/17	30.52	10.86
						03/08/18	28.54	12.84
						06/28/18	27.69	13.69
						09/19/18	27.32	14.06
						12/13/18	27.12	14.26
						06/13/19	26.64	14.74
						10/09/19	27.79	13.59
						12/04/19	26.63	14.75
						06/25/20	29.70	11.68
						12/09/20	30.33	11.05
						06/22/21	28.97	12.41
						12/14/21	27.78	13.60
						06/06/22	26.70	14.68

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IW91	35.82	20	55	16	-19	05/05/15	25.56	10.26
						08/03/15	25.19	10.63
						12/07/15	25.84	9.98
						03/07/16	25.24	10.58
						07/12/16	24.90	10.92
						10/18/16	23.41	12.41
						01/24/17	21.61	14.21
						05/31/17	22.79	13.03
						09/21/17	25.42	10.40
						12/14/17	24.96	10.86
						03/08/18	23.08	12.74
						06/28/18	22.30	13.52
						09/19/18	21.95	13.87
						12/13/18	21.69	14.13
						06/13/19	21.23	14.59
						10/09/19	23.90	11.92
						12/04/19	21.11	14.71
						06/25/20	23.98	11.84
						12/09/20	24.63	11.19
						06/22/21	23.45	12.37
						12/14/21	22.31	13.51
						06/06/22	21.33	14.49
Boren Avenue North								
MW04	70.69	50	65	21	6	05/27/11	52.22	18.47
						10/20/11	52.82	17.87
						12/10/12	52.88	17.81
						08/29/13	57.25	13.44
	70.82					05/05/15	58.22	12.60
						08/03/15	56.87	13.95
						12/07/15	58.82	12.00
						03/07/16	59.25	11.57
						07/12/16	58.49	12.33
						10/18/16	57.02	13.80
						01/24/17	54.06	16.76
						05/31/17	55.59	15.23
						09/21/17	62.08	8.74
						12/14/17	62.03	8.79
						03/08/18	57.70	13.12
						06/28/18	54.94	15.88
						09/19/18	54.38	16.44
						12/13/18	54.26	16.56
						06/13/19	53.61	17.21
						10/09/19	55.40	15.42
						12/04/19	54.04	16.78
						06/25/20	62.05	8.77
						12/09/20	62.18	8.64
						06/22/21	60.06	10.76
						12/14/21	55.94	14.88
						06/06/22	53.67	17.15

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MW05	84.04	65	80	19	4	05/27/11	67.40	16.64
						10/20/11	67.91	16.13
						12/10/12	68.54	15.50
						08/29/13	69.72	14.32
						05/05/15	INACCESSIBLE	
						08/03/15	INACCESSIBLE	
	DECOMMISSIONED 2015							
MW07	74.55	55	70	20	5	05/31/11	56.33	18.22
						10/20/11	56.87	17.68
						12/10/12	56.96	17.59
						08/29/13	60.95	13.60
	74.68					05/05/15	62.69	11.99
						08/03/15	61.67	13.01
						12/07/15	63.19	11.49
						03/07/16	63.22	11.46
						07/12/16	62.82	11.86
						10/18/16	61.26	13.42
						01/24/17	58.41	16.27
						05/31/17	59.90	14.78
						09/21/17	65.17	9.51
						12/14/17	INACCESSIBLE	
						03/08/18	61.76	12.92
						06/28/18	59.45	15.23
						09/19/18	59.07	15.61
						12/13/18	58.87	15.81
						06/13/19	57.93	16.75
						10/09/19	61.02	13.66
						12/04/19	58.38	16.30
						06/30/20	64.92	9.76
						12/09/20	65.28	9.40
						06/22/21	63.21	11.47
						12/14/21	60.22	14.46
						06/06/22	58.00	16.68

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MW13	90.66	70	85	21	-15	10/20/11	74.69	15.97
						12/10/12	75.38	15.28
						08/29/13	76.23	14.43
						05/05/15	INACCESSIBLE	
	90.86					08/03/15	80.07	10.79
						12/07/15	80.73	10.13
						03/07/16	80.07	10.79
						07/12/16	80.03	10.83
						10/18/16	78.16	12.70
						01/24/17	75.56	15.30
						05/31/17	77.40	13.46
						09/21/17	80.46	10.40
						12/14/17	80.19	10.67
						03/08/18	78.13	12.73
						06/28/18	77.01	13.85
						09/19/18	76.68	14.18
						12/13/18	76.52	14.34
						06/13/19	76.00	14.86
						10/09/19	81.45	9.41
						12/04/19	76.00	14.86
						06/25/20	79.24	11.62
						12/09/20	79.98	10.88
						06/22/21	78.58	12.28
						12/14/21	77.21	13.65
						06/06/22	75.95	14.91
MW27	83.82	90	105	-6	-21	12/07/15	73.86	9.96
						03/07/16	73.23	10.59
						07/12/16	73.01	10.81
						10/18/16	71.38	12.44
						01/24/17	69.57	14.25
						05/31/17	70.89	12.93
						09/21/17	73.87	9.95
						12/14/17	73.25	10.57
						03/08/18	71.10	12.72
						06/28/18	70.20	13.62
						09/19/18	69.85	13.97
						12/13/18	69.69	14.13
						06/13/19	69.19	14.63
						10/09/19	70.30	13.52
						12/04/19	69.11	14.71
						06/30/20	72.38	11.44
						12/09/20	73.10	10.72
						06/22/21	71.61	12.21
						12/14/21	70.32	13.50
						06/06/22	69.25	14.57

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300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well	TOC Elevation[(1)] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
MW31	60.75	40	60	21	1	10/09/19	46.49	14.26
						12/04/19	44.16	16.59
						06/30/20	55.35	5.40
						12/09/20	55.66	5.09
						06/22/21	49.39	11.36
						12/14/21	45.72	15.03
						06/06/22	43.74	17.01
Terry Avenue North								
MW15	58.79	41	56	18	3	12/10/12	40.78	18.01
						08/29/13	45.37	13.42
	58.89					05/05/15	45.86	13.03
						08/03/15	44.81	14.08
						12/07/15	47.08	11.81
						03/07/16	47.58	11.31
						07/12/16	46.73	12.16
						10/18/16	44.97	13.92
						01/24/17	42.05	16.84
						05/31/17	43.08	15.81
						09/21/17	49.62	9.27
						12/14/17	49.92	8.97
						03/08/18	45.80	13.09
						06/28/18	42.95	15.94
						09/19/18	42.35	16.54
						12/13/18	42.26	16.63
						06/13/19	41.65	17.24
						10/09/19	41.80	17.09
						12/04/19	42.00	16.89
						06/25/20	51.75	7.14
						12/09/20	52.94	5.95
						06/22/21	NM	NM
	WELL DAMAGED 2021							
MW34	59.09	40	55	19	4	12/14/21	44.19	14.90
						06/06/22	41.89	17.20
Thomas Street								
MW14	104.4	90	105	14	-1	10/20/11	88.81	15.59
						12/13/12	88.66	15.74
						08/29/13	89.99	14.41
	DECOMMISSIONED 2013							
MW16	99.02	91	106	8	-7	12/10/12	83.47	15.55
						08/29/13	84.59	14.43
	99.18					05/05/15	88.87	10.31
						08/03/15	88.53	10.65
						12/07/15	89.15	10.03
						03/07/16	88.54	10.64
						07/12/16	88.41	10.77
						10/18/16	86.74	12.44
						01/24/17	84.71	14.47
						05/31/17	86.04	13.14
						09/21/17	88.85	10.33
						12/14/17	88.43	10.75
						03/08/18	86.51	12.67
	WELL DAMAGED 2018							

Table 1
Summary of Groundwater Elevations
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well	TOC Elevation[(1)] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
MW28	99.18	90	105	9.18	-5.82	06/13/19	84.54	14.64
						10/08/19	84.75	14.43
						12/04/19	84.48	14.70
						06/25/20	87.38	11.80
						12/09/20	88.1	11.08
						05/21/21	87.23	11.95
						06/22/21	86.77	12.41
						08/17/21	86.65	12.53
						09/21/21	86.56	12.62
						12/14/21	85.49	13.69
						06/06/22	84.44	14.74
Fairview Avenue North								
MW-C	107.75	85	100	23	8	08/29/13	93.32	14.43
						05/05/15	97.64	10.11
Harrison Street								
MW01	68.68	45	60	24	9	05/25/11	50.59	18.09
						10/20/11	51.03	17.65
						12/10/12	51.24	17.44
						08/29/13	54.35	14.33
						05/05/15	58.11	10.71
	68.82					08/03/15	INACCESSIBLE	
						12/07/15	58.60	10.22
						03/07/16	57.69	11.13
						07/12/16	57.42	11.23
						10/18/16	55.65	13.00
						01/24/17	52.27	16.38
						05/31/17	54.69	13.96
						09/21/17	58.91	9.74
						12/14/17	58.14	10.51
						03/08/18	55.84	12.81
						06/28/18	54.20	14.45
	68.65					09/19/18	53.93	14.72
						12/13/18	53.05	15.60
						06/13/19	52.34	16.31
						10/09/19	56.65	12.00
						12/04/19	52.76	15.89
						06/25/20	57.08	11.57
						12/09/20	57.84	10.81
						06/22/21	56.32	12.33
						12/14/21	54.79	13.86
						06/06/22	52.9	15.75
MW02	70.92	55	70	16	1	05/25/11	54.84	16.08
						10/20/11	55.08	15.84
						12/10/12	55.27	15.65
						08/29/13	56.48	14.44
						05/05/15	INACCESSIBLE	
						08/03/15	INACCESSIBLE	
	DECOMMISSIONED 2015							

Table 1
Summary of Groundwater Elevations
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well	TOC Elevation[(1)] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
MW03	84.65	65	80	20	5	05/27/11	68.75	15.90
						10/20/11	68.97	15.68
						12/10/12	69.21	15.44
						08/29/13	70.21	14.44
						05/05/15	INACCESSIBLE	
						08/03/15	INACCESSIBLE	
	DECOMMISSIONED 2015							
MW26	70.57	75	90	-4	-19	12/07/15	60.42	10.15
						03/07/16	59.82	10.75
						07/12/16	59.52	11.05
						10/18/16	58.10	12.47
						01/24/17	56.10	14.47
						05/31/17	57.79	12.78
						09/21/17	60.94	9.63
						12/14/17	60.11	10.46
						03/08/18	57.79	12.78
						06/28/18	56.83	13.74
						09/19/18	56.50	14.07
						12/13/18	56.34	14.23
						06/13/19	55.82	14.75
						10/09/19	57.28	13.29
						12/04/09	55.80	14.77
						06/25/20	59.19	11.38
						12/09/20	59.85	10.72
						06/22/21	58.25	12.32
						12/14/21	56.99	13.58
						06/06/22	55.90	14.67
MW32	78.38	60	75	18	3	10/09/19	65.80	12.58
						12/04/19	62.63	15.75
						06/25/20	66.88	11.50
						12/09/20	67.40	10.98
						06/22/21	66.19	12.19
						12/14/21	64.93	13.45
						06/06/22	63.75	14.63
MW33	56.62	31	51	26	6	10/09/19	40.30	16.32
						12/04/19	39.93	16.69
						06/30/20	50.69	5.93
						12/09/20	Well dry	
						06/22/21	46.00	10.62
						12/14/21	41.70	14.92
						06/06/22	39.52	17.10
SMW01	49.45	30	40	19	9	08/29/13	36.78	12.67
SMW02	49.26	30	40	19	9	08/29/13	36.67	12.59
SMW06	48.63	30	40	19	9	08/29/13	36.39	12.24
SMW08	49.30	30	40	19	9	08/29/13	36.69	12.61

Table 1
Summary of Groundwater Elevations
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well	TOC Elevation[(1)] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
Westlake Avenue North								
SMW09	48.25	30	40	18	8	08/29/13	35.84	12.41
South-Adjoining Property								
MW29	101.72	82	102	20	0	10/09/19	86.91	14.81
						12/04/19	87.03	14.69
						06/25/20	89.84	11.88
						12/09/20	90.57	11.15
						06/22/21	89.29	12.43
						12/14/21	88.09	13.63
						06/06/22	87.06	14.66
MW30	101.97	84	104	18	-2	10/09/19	87.95	14.02
						12/04/19	87.25	14.72
						06/25/20	90.12	11.85
						12/09/20	91.10	10.87
						06/22/21	89.62	12.35
						12/14/21	88.31	13.66
						06/06/22	88.28	13.69
ONNI-MW-4	108.84	93	105	16	4	06/25/20	97.13	11.71
						12/09/20	97.83	11.01
						06/22/21	96.63	12.21
						12/14/21	95.43	13.41
						06/06/22	94.26	14.58
ONNI-MW-5	112.78	93	105	20	8	02/06/20	93.10	19.68
						06/25/20	95.65	17.13
						12/09/20	96.30	16.48
						06/22/21	95.14	17.64
						12/14/21	94.04	18.74
						06/06/22	97.95	14.83
ONNI-MW-9	107.10	95	110	12	-3	12/14/21	93.60	13.50
						06/06/22	92.68	14.42
North-Adjoining Property								
SLU-MW01[(2)]	53.43	35	45	18	8	08/29/13	40.00	13.43
	DECOMMISSIONED 2013							
SLU-MW02[(2)]	52.76	30	40	23	13	08/29/13	Dry	--
	DECOMMISSIONED 2013							

NOTES:

[(1)]TOC elevations surveyed relative to NAVD88.

[(2)]Groundwater elevation data compiled from reports on file at the Washington State Department of Ecology.

-- = not analyzed, measured, or calculated

NAVD88 = North American Vertical Datum of 1988

TOC = top of casing

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[1] (µg/L)	TCE[1] (µg/L)	cis-1-2-DCE[1] (µg/L)	trans-1-2-DCE[1] (µg/L)	Vinyl Chloride[1] (µg/L)
Troy Laundry Property								
MW06	MW06-20110531	05/31/11	SoundEarth	3.1	**8.2**	**150[ve]**	<1	**0.76**
	MW06-20111012	10/12/11	SoundEarth	3.6	**11**	**120**	<1	**0.76**
	MW06-20130909	09/09/13	SoundEarth	3.8	4.5	**150**	<1	**0.93**
	DECOMMISSIONED 2013							
MW08	MW08-20111013	10/13/11	SoundEarth	<1	<1	<1	<1	<0.2
	MW08-20130910	09/10/13	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
MW09	MW09-20111013	10/13/11	SoundEarth	<1	**16**	**22**	<1	<0.2
	MW09-20130910	09/10/13	SoundEarth	1.6	**15**	2.0	<1	<0.2
	DECOMMISSIONED 2013							
MW10	MW10-20111012	10/12/11	SoundEarth	<1	<1	<1	<1	<0.2
	MW10-20130909	09/09/13	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
MW11	MW11-20111013	10/13/11	SoundEarth	**21**	2.6	5.6	<1	<0.2
	MW11-20130909	09/09/13	SoundEarth	**39**	3.8	3.6	<1	<0.2
	DECOMMISSIONED 2013							
MW12	MW12-20111017	10/17/11	SoundEarth	<1	**19**	1.3	<1	<0.2
	MW12-20130909	09/09/13	SoundEarth	<1	**20**	<1	<1	<0.2
	DECOMMISSIONED 2013							
MW17	MW17-20150506	05/06/15	SoundEarth	<1	2.2	<1	<1	<0.2
	MW17-20150804	08/07/15	SoundEarth	<1	1.5	<1	<1	<0.2
	MW17-20151207	12/07/15	SoundEarth	<1	1.5	<1	<1	<0.2
	MW17-20160308	03/08/16	SoundEarth	<1	<1	<1	<1	<0.2
	MW17-20160714	07/14/16	SoundEarth	<1	1.2	<1	<1	<0.2
	MW17-20161020	10/20/16	SoundEarth	<1	2.1	<1	<1	<0.2
	MW17-20170126	01/26/17	SoundEarth	<1	1.9	<1	<1	<0.2
	MW17-20170601	06/01/17	SoundEarth	<1	2.5	<1	<1	<0.2
	MW17-20170923	09/23/17	SoundEarth	<1	2.1	1.2	<1	<0.2
	MW17-20171216	12/16/17	SoundEarth	<1	2.5	1.7	<1	<0.2
	MW17-20180310	03/10/18	SoundEarth	<1	2.6	1.5	<1	<0.2
	MW17-20180630	06/30/18	SoundEarth	<1	2.8	2.2	<1	<0.2
	MW17-20180922	09/22/18	SoundEarth	<1	2.7	2.0	<1	<0.2
	MW17-20181215	12/15/18	SoundEarth	<1	2.9	2.2	<1	<0.2
	MW17-20190615	06/15/19	SoundEarth	<1	3.4	2.2	<1	<0.2
	MW17-20191207	12/07/19	SoundEarth	<1	3.9	2.2	<1	<0.2
	MW17-20200627	06/27/20	SoundEarth	<1	<1	<1	<1	<0.2
	MW17-20201212	12/12/20	SoundEarth	<1	<1	<1	<1	<0.2
	MW17-20210625	06/25/21	SoundEarth	<1	1.7	<1	<1	<0.2
	MW17-20211217	12/17/21	SoundEarth	<1	1.5	<1	<1	<0.2
MW18	MW18-20150506	05/06/15	SoundEarth	<1	**46**	5.2	<1	<0.2
	MW18-20150803	08/03/15	SoundEarth	<1	**51**	4.6	<1	<0.2
	MW18-20151208	12/08/15	SoundEarth	<1	**51**	9.9	<1	<0.2
	MW18-20160308	03/08/16	SoundEarth	<1	**44**	8.1	<1	<0.2
	MW18-20160714	07/14/16	SoundEarth	<1	3.3	1.7	<1	<0.2
	MW18-20161020	10/20/16	SoundEarth	<1	**6.5**	4.0	<1	<0.2
	MW18-20170126	01/26/17	SoundEarth	<1	**7.7**	14	<1	**0.25**
	MW18-20170601	06/01/17	SoundEarth	<1	3.3	14	<1	**0.31**
	MW18-20170923	09/23/17	SoundEarth	<1	<1	**22**	<1	**0.38**
	MW18-20171216	12/16/17	SoundEarth	<1	<1	**22**	<1	**0.24**
	MW18-20180310	03/10/18	SoundEarth	<1	<1	**27**	<1	**0.40**
	MW18-20180630	06/30/18	SoundEarth	<1	<1	**27**	<1	**0.43**
	MW18-20180922	09/22/18	SoundEarth	<1	<1	**21**	<1	**0.42**
	MW18-20181215	12/15/18	SoundEarth	<1	<1	**24**	<1	**0.49**
	MW18-20190615	06/15/19	SoundEarth	<1	<1	**28**	<1	**0.44**
	MW18-20191207	12/07/19	SoundEarth	<1	<1	**28**	<1	**0.55**
	MW18-20200627	06/27/20	SoundEarth	<1	<1	**27**	<1	**1.5**
	MW18-20201212	12/12/20	SoundEarth	<1	<1	15	<1	**2.4**
	MW18-20210625	06/25/21	SoundEarth	<1	<1	1.9	<1	**1.7**
	MW18-20211217	12/17/21	SoundEarth	<1	<0.5	<1	<1	**1.8**
	MW18-20220609	06/09/22	SoundEarth	<1	<0.5	<1	<1	**1.6**
MTCA Cleanup Level				**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[1] (µg/L)	TCE[1] (µg/L)	cis-1-2-DCE[1] (µg/L)	trans-1-2-DCE[1] (µg/L)	Vinyl Chloride[1] (µg/L)
MW19	MW19-20150507	05/07/15	SoundEarth	<1	**69**	15	<1	<0.2
	MW19-20150803	08/03/15	SoundEarth	<1	**61**	**20**	<1	<0.2
	MW19-20151207	12/07/15	SoundEarth	<1	**65**	**23**	<1	<0.2
	MW19-20160308	03/08/16	SoundEarth	<1	**52**	**26**	<1	<0.2
	MW19-20160713	07/13/16	SoundEarth	<1	4.6	10	<1	<0.2
	MW19-20161021	10/21/16	SoundEarth	<1	**10**	4.4	<1	**0.40**
	MW19-20170125	01/25/17	SoundEarth	<1	**5.5**	3.9	<1	**0.30**
	MW19-20170601	06/01/17	SoundEarth	<1	**5.7**	3.5	<1	**0.44**
	MW19-20170923	09/23/17	SoundEarth	<1	1.7	3.4	<1	**0.97**
	MW19-20171216	12/16/17	SoundEarth	<1	1.1	13	<1	**0.97**
	MW19-20180310	03/10/18	SoundEarth	<1	<1	12	<1	**0.78**
	MW19-20180630	06/30/18	SoundEarth	<1	<1	12	<1	**0.96**
	MW19-20180922	09/22/18	SoundEarth	<1	<1	16	<1	**0.86**
	MW19-20190615	06/15/19	SoundEarth	<1	<1	**27**	<1	**0.79**
	MW19-20191207	12/07/19	SoundEarth	<1	<1	**35**	<1	**0.98**
	MW19-20200627	06/27/20	SoundEarth	<1	<1	**41**	<1	**0.78**
	MW19-20201212	12/12/20	SoundEarth	<1	<1	**22**	<1	**2.6**
	MW19-20210625	06/25/21	SoundEarth	<1	<1	<1	<1	**1.0**
	MW19-20211217	12/17/21	SoundEarth	<1	<0.5	<1	<1	**1.5**
	MW19-20220609	06/09/22	SoundEarth	<1	<0.5	<1	<1	**1.9**
MW20	MW20-20150506	05/06/15	SoundEarth	<1	<1	1.5	<1	<0.2
	MW20-20150803	08/03/15	SoundEarth	<1	<1	1.2	<1	<0.2
	MW20-20151207	12/07/15	SoundEarth	<1	<1	<1	<1	<0.2
	MW20-20160309	03/09/16	SoundEarth	<1	<1	<1	<1	<0.2
	MW20-20160715	07/15/16	SoundEarth	<1	<1	<1	<1	<0.2
	MW20-20161020	10/20/16	SoundEarth	<1	<1	<1	<1	<0.2
	MW20-20170125	01/25/17	SoundEarth	<1	<1	4.1	<1	<0.2
	MW20-20170601	06/01/17	SoundEarth	<1	<1	1.2	<1	<0.2
	MW20-20170924	09/24/17	SoundEarth	<1	<1	9.5	<1	<0.2
	MW20-20171216	12/16/17	SoundEarth	<1	1.3	15	<1	**0.35**
	MW20-20180310	03/10/18	SoundEarth	<1	<1	11	<1	<0.2
	MW20-20180630	06/30/18	SoundEarth	<1	<1	7	<1	<0.2
	MW20-20180922	09/22/18	SoundEarth	<1	<1	5.3	<1	<0.2
	MW20-20181215	12/15/18	SoundEarth	<1	<1	4.4	<1	<0.2
	MW20-20190615	06/15/19	SoundEarth	<1	<1	3.8	<1	<0.2
	MW20-20191207	12/07/19	SoundEarth	<1	<1	3.0	<1	<0.2
	MW20-20200627	06/27/20	SoundEarth	<1	1.2	6.1	<1	<0.2
	MW20-20201212	12/12/20	SoundEarth	<1	1.3	6.0	<1	<0.2
	MW20-20210625	06/25/21	SoundEarth	<1	1.6	5.3	<1	<0.2
	MW20-20211217	12/17/21	SoundEarth	<1	0.94	5.2	<1	<0.2
MW21	MW21-20150506	05/06/15	SoundEarth	**5.1**	1.6	7.2	<1	<0.2
	MW21-20150804	08/04/15	SoundEarth	4.9	1.4	4.5	<1	<0.2
	MW21-20151208	12/08/15	SoundEarth	**7.3**	2.0	6.7	<1	<0.2
	MW21-20160309	03/09/16	SoundEarth	**5.3**	1.4	7.9	<1	<0.2
	MW21-20160713	07/13/16	SoundEarth	<1	<1	1.2	<1	<0.2
	MW21-20161020	10/20/16	SoundEarth	<1	<1	1.7	<1	<0.2
	MW21-20170126	01/26/17	SoundEarth	<1	<1	2.4	<1	<0.2
	MW21-20170601	06/01/17	SoundEarth	<1	<1	2.4	<1	<0.2
	MW21-20170923	09/23/17	SoundEarth	<1	<1	3.7	<1	<0.2
	MW21-20171216	12/16/17	SoundEarth	<1	<1	14	<1	**0.49**
	MW21-20180310	03/10/18	SoundEarth	<1	<1	14	<1	**0.43**
	MW21-20180630	06/30/18	SoundEarth	<1	<1	6.0	<1	**0.29**
	MW21-20180922	09/22/18	SoundEarth	<1	<1	6.9	<1	**0.30**
	MW21-20181215	12/15/18	SoundEarth	<1	<1	16	<1	**0.96**
	MW21-20190615	06/15/19	SoundEarth	<1	<1	**29**	<1	**1.1**
	MW21-20191207	12/07/19	SoundEarth	<1	<1	**34**	<1	**1.3**
	MW21-20200627	06/27/20	SoundEarth	<1	<1	13	<1	**0.49**
	MW21-20201212	12/12/20	SoundEarth	<1	<1	10	<1	**1.8**
	MW21-20210625	06/25/21	SoundEarth	<1	<1	11	<1	**0.86**
	MW21-20211217	12/17/21	SoundEarth	<1	<0.5	12	<1	**1.3**
	MW21-20220609	06/09/22	SoundEarth	<1	<0.5	12	<1	**1.9**
MTCA Cleanup Level				**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[1] (µg/L)	TCE[1] (µg/L)	cis-1-2-DCE[1] (µg/L)	trans-1-2-DCE[1] (µg/L)	Vinyl Chloride[1] (µg/L)
MW22	MW22-20150506	05/06/15	SoundEarth	**11**	2.2	**27**	<1	<0.2
	MW22-20150804	08/04/15	SoundEarth	**17**	3.0	**34**	<1	<0.2
	MW22-20151208	12/08/15	SoundEarth	**19**	3.7	**42**	<1	<0.2
	MW22-20160308	03/08/16	SoundEarth	**28**	4.5	**52**	<1	**0.35**
	MW22-20160713	07/13/16	SoundEarth	<1	<1	5.5	<1	<0.2
	MW22-20161020	10/20/16	SoundEarth	<1	<1	6.7	<1	**0.65**
	MW22-20170126	01/26/17	SoundEarth	<1	<1	8.5	<1	**0.51**
	MW22-20170601	06/01/17	SoundEarth	<1	<1	10	<1	**1.5**
	MW22-20170923	09/23/17	SoundEarth	<1	<1	**18**	<1	**1.4**
	MW22-20171216	12/16/17	SoundEarth	<1	<1	**22**	<1	**1.2**
	MW22-20180310	03/10/18	SoundEarth	<1	<1	**22**	<1	**1.3**
	MW22-20180630	06/30/18	SoundEarth	<1	<1	**28**	<1	**1.2**
	MW22-20180922	09/22/18	SoundEarth	<1	<1	**33**	<1	**0.90**
	MW22-20181215	12/15/18	SoundEarth	<1	<1	**37**	<1	**1.2**
	MW22-20190615	06/15/19	SoundEarth	1.1	1.1	**49**	<1	**1.0**
	MW22-20191207	12/07/19	SoundEarth	1.3	1.3	**48**	<1	**1.0**
	MW22-20200627	06/27/20	SoundEarth	1.4	1.3	**42**	<1	**0.99**
	MW22-20201212	12/12/20	SoundEarth	<1	<1	**44**	<1	**1.1**
	MW22-20210625	06/25/21	SoundEarth	1.1	<1	**43**	<1	**0.82**
	MW22-20211217	12/17/21	SoundEarth	<1	0.51	**52**	<1	**1.2**
	MW22-20220609	06/09/22	SoundEarth	<1	<0.5	**52**	<1	**1.3**
MW23	MW23-20150507	05/07/15	SoundEarth	**6.1**	**18**	13	<1	<0.2
	MW23-20150804	08/04/15	SoundEarth	**6.1**	**24**	**20**	<1	0.20
	MW23-20151208	12/08/15	SoundEarth	3.8	**16**	**120**	<1	**0.57**
	MW23-20160308	03/08/16	SoundEarth	4.1	**14**	**95**	<1	**0.64**
	MW23-20160714	07/14/16	SoundEarth	<1	1.6	14	<1	**2.2**
	MW23-20161020	10/20/16	SoundEarth	<1	2.1	9.9	<1	**0.48**
	MW23-20170126	01/26/17	SoundEarth	<1	2.9	**41**	<1	**1.4**
	MW23-20170601	06/01/17	SoundEarth	<1	2.7	**23**	<1	**0.74**
	MW23-20170923	09/23/17	SoundEarth	<1	1.7	**16**	<1	**0.50**
	MW23-20171216	12/16/17	SoundEarth	<1	1.3	14	<1	**0.51**
	MW23-20180310	03/10/18	SoundEarth	<1	<1	**20**	<1	**0.52**
	MW23-20180630	06/30/18	SoundEarth	<1	<1	14	<1	**0.53**
	MW23-20180922	09/22/18	SoundEarth	<1	<1	16	<1	**0.53**
	MW23-20181215	12/15/18	SoundEarth	<1	<1	**17**	<1	<0.2
	MW23-20190615	06/15/19	SoundEarth	<1	<1	**25**	<1	**0.72**
	MW23-20191207	12/07/19	SoundEarth	<1	<1	**38**	<1	**0.89**
	MW23-20200627	06/27/20	SoundEarth	<1	<1	**30**	<1	**0.76**
	MW23-20201212	12/12/20	SoundEarth	<1	<1	**30**	<1	**0.85**
	MW23-20210625	06/25/21	SoundEarth	<1	<1	**26**	<1	**0.97**
	MW23-20211217	12/17/21	SoundEarth	<1	<0.5	15	<1	**3.7**
MW24	MW24-20150506	05/06/15	SoundEarth	2.5	**31**	**72**	<1	**0.26**
	MW24-20150804	08/04/15	SoundEarth	**5.5**	**28**	**75**	<1	<0.2
	MW24-20151208	12/08/15	SoundEarth	**11**	**28**	**54**	<1	<0.2
	MW24-20160309	03/09/16	SoundEarth	**11**	**23**	**45**	<1	<0.2
	MW24-20160715	07/15/16	SoundEarth	<1	1.7	12	<1	<0.2
	MW98-20160715 (DUP)			<1	1.8	12	<1	<0.2
	MW24-20161020	10/20/16	SoundEarth	<1	2.7	12	<1	**0.26**
	MW24-20170125	01/25/17	SoundEarth	<1	3.5	**20**	<1	**0.81**
	MW24-20170601	06/01/17	SoundEarth	1.1	4.8	**35**	<1	**1.0**
	MW24-20170924	09/24/17	SoundEarth	<1	1.8	**33**	<1	**0.36**
	MW24-20171216	12/16/17	SoundEarth	<1	1.3	**30**	<1	**0.38**
	MW24-20180310	03/10/18	SoundEarth	<1	<1	**25**	<1	**0.36**
	MW24-20180630	06/30/18	SoundEarth	1.5	1.9	**41**	<1	**2.1**
	MW24-20180922	09/22/18	SoundEarth	<1	<1	**35**	<1	**0.37**
	MW24-20181215	12/15/18	SoundEarth	<1	<1	**43**	<1	**0.51**
	MW24-20190615	06/15/19	SoundEarth	<1	<1	**84**	<1	**1.0**
	MW24-20191207	12/07/19	SoundEarth	<1	<1	**83**	<1	**0.94**
	MW24-20200627	06/27/20	SoundEarth	<1	<1	**61**	<1	**0.76**
	MW24-20201212	12/12/20	SoundEarth	<1	<1	**45**	<1	**0.61**
	MW24-20210625	06/25/21	SoundEarth	<1	<1	**37**	<1	**0.67**
	MW24-20211217	12/17/21	SoundEarth	<1	<0.5	**46**	<1	**0.71**
	MW24-20220609	06/09/22	SoundEarth	<1	<0.5	**74**	<1	**1.1**
MTCA Cleanup Level				**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[1] (µg/L)	TCE[1] (µg/L)	cis-1-2-DCE[1] (µg/L)	trans-1-2-DCE[1] (µg/L)	Vinyl Chloride[1] (µg/L)
MW25	MW25-20150507	05/07/15	SoundEarth	<1	**68**	5.2	<1	<0.2
	MW99-20150507 (DUP)			<1	**69**	5.3	<1	<0.2
	MW25-20150805	08/05/15	SoundEarth	3.0	**75**	7.9	<1	<0.2
	MW99-20150805 (DUP)			2.9	**73**	7.8	<1	<0.2
	MW25-20151209	12/09/15	SoundEarth	**11**	**71**	8.4	<1	<0.2
	MW99-20151209 (DUP)			**11**	**72**	8.3	<1	<0.2
	MW25-20160308	03/08/16	SoundEarth	**24**	**50**	12	<1	<0.2
	MW99-20160308(DUP)			**25**	**50**	12	<1	<0.2
	MW25-20160713	07/13/16	SoundEarth	**6.1**	4.8	**23**	<1	**0.70**
	MW25-20161019	10/19/16	SoundEarth	1.8	**5.1**	15	<1	**0.96**
	MW99-20161019 (DUP)			1.7	5.0	16	<1	**1.0**
	MW25-20170125	01/25/17	SoundEarth	1.0	3.6	**44**	<1	**0.89**
	MW99-20170125 (DUP)			1.1	3.7	**44**	<1	**0.92**
	MW25-20170601	06/01/17	SoundEarth	<1	1.2	15	<1	**0.31**
	MW99-20170601 (DUP)			<1	1.3	15	<1	**0.41**
	MW25-20170923	09/23/17	SoundEarth	<1	<1	15	<1	**0.40**
	MW99-20170923 (DUP)			<1	<1	15	<1	**0.34**
	MW25-20171216	12/16/17	SoundEarth	<1	<1	**23**	<1	**0.41**
	MW99-20171216 (DUP)			<1	<1	**23**	<1	**0.40**
	MW25-20180310	03/10/18	SoundEarth	<1	<1	**25**	<1	**0.32**
	MW99-20180310 (DUP)			<1	<1	**25**	<1	**0.30**
	MW25-20180630	06/30/18	SoundEarth	<1	<1	**31**	<1	**0.52**
	MW99-20180630 (DUP)			<1	<1	**32**	<1	**0.49**
	MW25-20180922	09/22/18	SoundEarth	<1	<1	**37**	<1	**0.46**
	MW99-20180922 (DUP)			<1	<1	**36**	<1	**0.51**
	MW25-20181215	12/15/18	SoundEarth	<1	<1	**40**	<1	**0.60**
	MW99-20181215 (DUP)			<1	<1	**39**	<1	**0.57**
	MW25-20190615	06/15/19	SoundEarth	<1	<1	**45**	<1	**0.54**
	MW99-20190615 (DUP)			<1	<1	**43**	<1	**0.50**
	MW25-20191207	12/07/19	SoundEarth	<1	<1	**40**	<1	**0.63**
	MW99-20191207 (DUP)			<1	<1	**36**	<1	**0.58**
	MW25-20200627	6/27/2020	SoundEarth	<1	<1	**40**	<1	**0.73**
	MW99-20200627 (DUP)			<1	<1	**37**	<1	**0.67**
	MW25-20201212	12/12/20	SoundEarth	<1	<1	**35**	<1	**0.43**
	MW99-20201212 (DUP)			<1	<1	**34**	<1	**0.43**
	MW25-20210625	06/25/21	SoundEarth	<1	<1	**48**	<1	**0.79**
	MW99-20210625 (DUP)			<1	<1	**47**	<1	**0.90**
	MW25-20211217	12/17/21	SoundEarth	<1	0.52	13	<1	**3.6**
	MW99-20211217 (DUP)			<1	0.53	13	<1	**3.7**
	MW25-20220609	06/09/22	SoundEarth	1.3	1.3	9.6	<1	**4.1**
	MW99-20220609 (DUP)			1.3	1.3	9.5	<1	**4.0**
IW04	IW04-20150508	05/08/15	SoundEarth	<1	**15**	1.9	<1	<0.2
	IW04-20160309	03/09/16	SoundEarth	<1	2.5	11	<1	<0.2
	IW04-20160714	07/14/16	SoundEarth	<1	<1	<1	<1	<0.2
	IW04-20161021	10/21/16	SoundEarth	<1	<1	1.8	<1	<0.2
	IW04-20170126	01/26/17	SoundEarth	<1	1.1	4.8	<1	<0.2
	IW04-20170601	06/01/17	SoundEarth	<1	1.2	12	<1	**0.21**
	IW04-20170923	09/23/17	SoundEarth	<1	<1	14	<1	**0.22**
	IW04-20171216	12/16/17	SoundEarth	<1	<1	**19**	<1	**0.54**
	IW04-20180310	03/10/18	SoundEarth	<1	<1	9.0	<1	**0.65**
	IW04-20180630	06/30/18	SoundEarth	<1	<1	5.3	<1	**0.68**
	IW04-20180922	09/22/18	SoundEarth	<1	<1	<1	<1	<0.2
	IW04-20181215	12/15/18	SoundEarth	<1	<1	1.9	<1	**1.6**
	IW04-20190615	06/15/19	SoundEarth	<1	<1	1.7	<1	**1.0**
	IW04-20191207	12/07/19	SoundEarth	<1	<1	1.4	<1	**1.1**
	IW04-20200627	06/27/20	SoundEarth	<1	<1	1.1	<1	**0.77**
	IW04-20201212	12/12/20	SoundEarth	<1	<1	1.0	<1	**0.64**
	IW04-20210625	06/25/21	SoundEarth	<1	<1	<1	<1	**0.46**
	IW04-20211217	12/17/21	SoundEarth	<1	<0.5	1.1	<1	**0.34**
	IW04-20220609	06/09/22	SoundEarth	<1	<0.5	<1	<1	**0.34**
IW06	IW06-20150507	05/07/15	SoundEarth	**6.3**	**13**	<1	<1	<0.2
	IW06-20180310	03/10/18	SoundEarth	<1	<1	1.6	<1	<0.2
	IW06-20180630	06/30/18	SoundEarth	<1	<1	<1	<1	<0.2
	IW06-20181215	12/15/18	SoundEarth	1.0	<1	<1	<1	<0.2
	IW06-20190615	06/15/19	SoundEarth	1.7	<1	<1	<1	<0.2
	IW06-20191207	12/07/19	SoundEarth	1.4	<1	<1	<1	<0.2
	IW06-20200627	06/27/20	SoundEarth	<1	<1	5.2	<1	<0.2
	IW06-20201212	12/12/20	SoundEarth	<1	<1	3.3	<1	<0.2
	IW06-20210625	06/25/21	SoundEarth	<1	<1	3.6	<1	**0.59**
	IW06-20211217	12/17/21	SoundEarth	<1	<0.5	<1	<1	<0.2
	IW06-20220609	06/09/22	SoundEarth	<1	<0.5	<1	<1	<0.02
MTCA Cleanup Level				**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[1] (µg/L)	TCE[1] (µg/L)	cis-1-2-DCE[1] (µg/L)	trans-1-2-DCE[1] (µg/L)	Vinyl Chloride[1] (µg/L)
IW50	IW50-20150803	08/03/15	SoundEarth	4.1	8.1	**44**	<1	<0.2
	IW50-20151208	12/08/15	SoundEarth	<1	<1	**140**	<1	**1.8**
	IW50-20160309	03/09/16	SoundEarth	<1	<1	**110**	<1	**1.9**
	IW50-20160715	07/15/16	SoundEarth	3.7	<1	**38**	<1	**2.5**
	IW50-20161021	10/21/16	SoundEarth	3.7	<1	**23**	<1	**1.0**
	IW50-20170126	01/26/17	SoundEarth	**13**	2.1	**34**	<1	**0.74**
	IW50-20170602	06/02/17	SoundEarth	<1	<1	**81**	<1	**0.95**
	IW50-20170924	09/24/17	SoundEarth	<1	<1	**26**	<1	**2.6**
	IW50-20171216	12/16/17	SoundEarth	<1	<1	15	<1	**2.2**
	IW50-20180310	03/10/18	SoundEarth	<1	<1	8.0	<1	**3.6**
	IW50-20180630	06/30/18	SoundEarth	<1	<1	4.5	<1	**2.5**
	IW50-20180922	09/22/18	SoundEarth	<1	<1	5.1	<1	**2.9**
	IW50-20181215	12/15/18	SoundEarth	1.6	<1	15	<1	**4.5**
	IW50-20190615	06/15/19	SoundEarth	**5.2**	2.0	**54**	<1	**7.1**
	IW50-20191207	12/07/19	SoundEarth	4.5	1.6	**55**	<1	**7.4**
	IW50-20200627	06/27/20	SoundEarth	3.9	<1	2.7	<1	**1.1**
	IW50-20201212	12/12/20	SoundEarth	<1	<1	<1	<1	<0.2
	IW50-20210625	06/25/21	SoundEarth	3.7	<1	1.7	<1	**0.85**
	IW50-20211217	12/17/21	SoundEarth	<1	<0.5	2.9	<1	**0.80**
	IW50-20220609	06/09/22	SoundEarth	<1	<0.5	6.9	<1	**2.4**
IW61	IW61-20151208	12/08/15	SoundEarth	**10**	2.8	**120**	<1	**0.86**
	IW61-20160309	03/09/16	SoundEarth	**23**	4.2	**140**	<1	**1.7**
	IW61-20160714	07/14/16	SoundEarth	**8.3**	1.6	**24**	<1	**1.6**
	IW61-20161021	10/21/16	SoundEarth	**9.5**	2.8	**34**	<1	**0.96**
	IW61-20170126	01/26/17	SoundEarth	**8.3**	2.9	**32**	<1	**0.96**
	IW61-20170602	06/02/17	SoundEarth	**9.9**	3.4	**41**	<1	**1.3**
	IW61-20170923	09/23/17	SoundEarth	**12**	3.2	**45**	<1	**1.2**
	IW61-20171216	12/16/17	SoundEarth	**15**	3.2	**65**	<1	**1.2**
	IW61-20180310	03/10/18	SoundEarth	**15**	2.7	**71**	<1	**1.1**
	IW61-20180323*	03/23/18	SoundEarth	**15**	2.9	**82**	<1	**1.3**
	IW61-20180630	06/30/18	SoundEarth	**16**	2.5	**67**	<1	**1.7**
	IW61-20180922	09/22/18	SoundEarth	**13**	2.1	**63**	<1	**1.8**
	IW61-20181215	12/15/18	SoundEarth	**15**	2.1	**58**	<1	**2.0**
	IW61-20190615	06/15/19	SoundEarth	**13**	2.4	**71**	<1	**2.9**
	IW61-20191207	12/07/19	SoundEarth	**6.8**	1.7	**65**	<1	**4.0**
	IW61-20200627	06/27/20	SoundEarth	**5.3**	1.1	**63**	<1	**4.5**
	IW61-20201212	12/12/20	SoundEarth	<1	<1	**30**	<1	**4.1**[ca]
	IW61-20210625	06/25/21	SoundEarth	<1	<1	**25**	<20	**1.8**
	IW61-20211217	12/17/21	SoundEarth	<1	<0.5	**41**	<1	**3.8**
	IW61-20220609	06/09/22	SoundEarth	<1	<0.5	**25**	<1	**3.2**
IW91	IW91-20150506	05/06/15	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20150804	08/04/15	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20151208	12/08/15	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20160309	03/09/16	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20160714	07/14/16	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20161020	10/20/16	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20170126	01/26/17	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20170601	06/01/17	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20170923	09/23/17	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20171216	12/16/17	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20180310	03/10/18	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20180630	06/30/18	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20180922	09/22/18	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20181215	12/15/18	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20190615	06/15/19	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20191207	12/07/19	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20200627	06/27/20	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20201212	12/12/20	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20210625	06/25/21	SoundEarth	<1	<1	<1	<1	<0.2
	IW91-20211217	12/17/21	SoundEarth	<1	<0.5	<1	<2	<0.2
MTCA Cleanup Level				**5**[(2)]	**5**[(2)]	**16**[(3)]	**160**[(3)]	**0.2**[(2)]

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[1] (µg/L)	TCE[1] (µg/L)	cis-1-2-DCE[1] (µg/L)	trans-1-2-DCE[1] (µg/L)	Vinyl Chloride[1] (µg/L)
Boren Avenue North								
MW04	MW04-20110527	05/27/11	SoundEarth	<1	**15**	<1	<1	<0.2
	MW04-20111012	10/12/11	SoundEarth	<1	**15**	<1	<1	<0.2
	MW04-20130909	09/09/13	SoundEarth	<1	**22**	15	<1	<0.2
	MW04-20150508	05/08/15	SoundEarth	1.4	**13**	4.2	<1	<0.2
	MW04-20150806	08/06/15	SoundEarth	<1	**6.9**	1.0	<1	<0.2
	MW04-20151209	12/09/15	SoundEarth	<1	**9.2**	<1	<1	<0.2
	MW04-20160308	03/08/16	SoundEarth	<1	**9.6**	1.1	<1	<0.2
	MW04-20160713	07/13/16	SoundEarth	1.0	**8.9**	1.3	<1	<0.2
	MW04-20161019	10/19/16	SoundEarth	<1	**5.5**	<1	<1	<0.2
	MW04-20170124	01/24/17	SoundEarth	<1	**9.4**	<1	<1	<0.2
	MW04-20170531	05/31/17	SoundEarth	<1	**9.3**	<1	<1	<0.2
	MW04-20170921	09/21/17	SoundEarth	<1	**5.7**	3.2	<1	<0.2
	MW04-20171214	12/14/17	SoundEarth	<1	**8.0**	2.4	<1	<0.2
	MW04-20180309	03/09/18	SoundEarth	<1	**8.6**	<1	<1	<0.2
	MW04-20180629	06/29/18	SoundEarth	<1	**9.4**	<1	<1	<0.2
	MW04-20180920	09/20/18	SoundEarth	<1	**9.4**	<1	<1	<0.2
	MW04-20181214	12/14/18	SoundEarth	<1	**10**	<1	<1	<0.2
	MW04-20190614	06/14/19	SoundEarth	<1	**11**	<1	<1	<0.2
	MW04-20191205	12/05/19	SoundEarth	<1	**11**	<1	<1	<0.2
	MW04-20200626	06/26/20	SoundEarth	<1	**10**	<1	<1	<0.2
	MW04-20201211	12/11/20	SoundEarth	<1	**9.2**	<1	<1	<0.2
	MW04-20210624	06/24/21	SoundEarth	<1	**11**	<1	<1	<0.2
	MW04-20211215	12/15/21	SoundEarth	<1	**7.8**	<1	<1	<0.2
	MW04-20220607	06/07/22	SoundEarth	<1	**9.2**	<1	<1	<0.02
MW05	MW05-20110527	05/27/11	SoundEarth	**39**	**16**	1.8	<1	<0.2
	MW05-20111012	10/12/11	SoundEarth	**29**	**14**	1.5	<1	<0.2
	MW05-20130910	09/10/13	SoundEarth	**21**	**13**	1.9	<1	<0.2
	DECOMMISSIONED 2015							
MW07	MW07-20110531	05/31/11	SoundEarth	1.4	**12**	2.3	<1	<0.2
	MW07-20111012	10/12/11	SoundEarth	2.2	**11**	1.8	<1	<0.2
	MW07-20130909	09/09/13	SoundEarth	1.5	**33**	5.4	<1	<0.2
	MW07-20150508	05/08/15	SoundEarth	2.5	**15**	4.8	<1	<0.2
	MW07-20150805	08/05/15	SoundEarth	1.8	**12**	3.2	<1	<0.2
	MW07-20151209	12/09/15	SoundEarth	2.3	**14**	4.1	<1	<0.2
	MW07-20160308	03/08/16	SoundEarth	2.6	**13**	3.8	<1	<0.2
	MW07-20160713	07/13/16	SoundEarth	3.0	**18**	5.7	<1	<0.2
	MW07-20161019	10/19/16	SoundEarth	3.5	**13**	2.3	<1	<0.2
	MW07-20170124	01/24/17	SoundEarth	4.8	**8.1**	<1	<1	<0.2
	MW07-20170531	05/31/17	SoundEarth	4.7	**8.6**	<1	<1	<0.2
	MW07-20180308	03/08/18	SoundEarth	2.6	**11**	1.1	<1	<0.2
	MW07-20180629	06/29/18	SoundEarth	3.3	**7.3**	<1	<1	<0.2
	MW07-20180920	09/20/18	SoundEarth	2.8	**6.0**	<1	<1	<0.2
	MW07-20181214	12/14/18	SoundEarth	3.3	**6.7**	<1	<1	<0.2
	MW07-20190614	06/14/19	SoundEarth	3.9	**5.9**	<1	<1	<0.2
	MW07-20191205	12/05/19	SoundEarth	3.3	**5.9**	<1	<1	<0.2
	MW07-20200630	06/30/20	SoundEarth	<1	**5.8**	<1	<1	<0.2
	MW07-20201210	12/10/20	SoundEarth	1.7	**18**	3.2	<1	<0.2
	MW07-20210623	06/23/21	SoundEarth	1.8	**15**	3.4	<1	<0.2
	MW07-20211215	12/15/21	SoundEarth	2.0	**7.2**	<1	<1	<0.2
	MW07-20220607	06/07/22	SoundEarth	2.9	**6.5**	<1	<1	<0.02
MTCA Cleanup Level				**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[(1)] (µg/L)	TCE[(1)] (µg/L)	cis-1-2-DCE[(1)] (µg/L)	trans-1-2-DCE[(1)] (µg/L)	Vinyl Chloride[(1)] (µg/L)
MW13	MW13-20111020	10/20/11	SoundEarth	**5.1**	1.2	<1	<1	<0.2
	MW13-20130910	09/10/13	SoundEarth	**11**	1.4	<1	<1	<0.2
	MW13-20150511	05/11/15	SoundEarth	4.6[cf]	1.7[cf]	<1[cf]	<1[cf]	<0.2[cf]
	MW13-20150805	08/05/15	SoundEarth	**5.4**	2.3	<1	<1	<0.2
	MW13-20151215	12/15/15	SoundEarth	**5.6**	1.6	<1	<1	<0.2
	MW13-20160307	03/07/16	SoundEarth	**6.6**	1.6	<1	<1	<0.2
	MW13-20160712	07/12/16	SoundEarth	**6.5**	1.6	<1	<1	<0.2
	MW13-20161019	10/19/16	SoundEarth	**10**	2.2	<1	<1	<0.2
	MW13-20170124	01/24/17	SoundEarth	**6.4**	1.0	<1	<1	<0.2
	MW13-20170531	05/31/17	SoundEarth	**10**	1.5	<1	<1	<0.2
	MW13-20170921	09/21/17	SoundEarth	**8.4**	1.8	<1	<1	<0.2
	MW13-20171214	12/14/17	SoundEarth	**5.2**	1.4	<1	<1	<0.2
	MW13-20180308	03/08/18	SoundEarth	**8.0**	1.4	<1	<1	<0.2
	MW13-20180629	06/29/18	SoundEarth	**4.4**	<1	<1	<1	<0.2
	MW13-20180920	09/20/18	SoundEarth	**6.5**	1.3	<1	<1	<0.2
	MW13-20181214	12/14/18	SoundEarth	**7.8**	1.4	<1	<1	<0.2
	MW13-20190614	06/14/19	SoundEarth	**7.0**	1.1	<1	<1	<0.2
	MW13-20191205	12/05/19	SoundEarth	**7.7**	1.1	<1	<1	<0.2
	MW13-20200626	06/26/20	SoundEarth	**9.1**	1.8	<1	<1	<0.2
	MW13-20201210	12/10/20	SoundEarth	**7.2**	1.6	<1	<1	<0.2
	MW13-20210623	06/23/21	SoundEarth	4.1	<1	<1	<1	<0.2
	MW13-20211216	12/16/21	SoundEarth	**5.2**	1.0	<1	<1	<0.2
	MW13-20220608	06/08/22	SoundEarth	5.0	0.86	<1	<1	<0.02
MW27	MW27-20151210	12/10/15	SoundEarth	<1	**21**	2.5	<1	<0.2
	MW27-20160307	03/07/16	SoundEarth	<1	**21**	3.8	<1	<0.2
	MW27-20160713	07/13/16	SoundEarth	<1	**18**	4.5	<1	<0.2
	MW27-20161019	10/19/16	SoundEarth	<1	**23**	4.8	<1	<0.2
	MW27-20170124	01/24/17	SoundEarth	<1	**33**	13	<1	<0.2
	MW27-20170531	05/31/17	SoundEarth	<1	**18**	5.5	<1	<0.2
	MW27-20170921	09/21/17	SoundEarth	<1	**16**	4.0	<1	<0.2
	MW27-20171214	12/14/17	SoundEarth	<1	**81**	4.4	<1	<0.2
	MW27-20171229	12/29/17	SoundEarth	<1	**60**	3.5	<1	<0.2
	MW27-20180308	03/08/18	SoundEarth	<1	**13**	<1	<1	<0.2
	MW27-20180628	06/28/18	SoundEarth	<1	**37**	3.4	<1	<0.2
	MW27-20180920	09/20/18	SoundEarth	<1	**21**	3.7	<1	<0.2
	MW27-20181214	12/14/18	SoundEarth	<1	**17**	4.3	<1	<0.2
	MW27-20190614	06/14/19	SoundEarth	<1	**14**	2.3	<1	<0.2
	MW27-20191205	12/05/19	SoundEarth	<1	**15**	2.2	<1	<0.2
	MW27-20200626	06/26/20	SoundEarth	<1	**30**	2.9	<1	<0.2
	MW27-20201210	12/10/20	SoundEarth	<1	**69**	3.7	<1	<0.2
	MW27-20210623	06/23/21	SoundEarth	<1	**80**	4.3	<1	<0.2
	MW27-20211215	12/15/21	SoundEarth	<1	**28**	8.2	<1	<0.2
	MW27-20220608	06/08/22	SoundEarth	<1	**16**	2.7	<1	<0.02
MW31	MW31-20191009	10/09/19	SoundEarth	<1	1.8	<1	<1	<0.2
	MW31-20191205	12/05/19	SoundEarth	<1	3.3	<1	<1	<0.2
	MW31-20200701	07/01/20	SoundEarth	<1	**12**	<1	<1	<0.2
	MW31-20201211	12/11/20	SoundEarth	<1	**17**	<1	<1	<0.2
	MW31-20210624	06/24/21	SoundEarth	<1	5.0	<1	<1	<0.2
	MW31-20211215	12/15/21	SoundEarth	<1	**6.3**	<1	<1	<0.2
	MW31-20220607	06/07/22	SoundEarth	<1	4.2	<1	<1	<0.02
Terry Avenue North								
MW15	MW15-20121211	12/11/12	SoundEarth	<1	**8.2**	<1	<1	<0.2
	MW15-20121221	12/21/12	SoundEarth	<1	**7.2**	<1	<1	<0.2
	MW15-20130910	09/10/13	SoundEarth	<1	**8.6**	<1	<1	<0.2
	MW15-20150508	05/08/15	SoundEarth	<1	**6.5**	<1	<1	<0.2
	MW15-20150805	08/05/15	SoundEarth	<1	**5.3**	<1	<1	<0.2
	MW15-20151209	12/09/15	SoundEarth	<1	**6.8**	<1	<1	<0.2
	MW15-20160308	03/08/16	SoundEarth	<1	**6.7**	<1	<1	<0.2
	MW15-20160713	07/13/16	SoundEarth	<1	**5.8**	<1	<1	<0.2
	MW15-20161018	10/18/16	SoundEarth	<1	**5.3**	<1	<1	<0.2
	MW15-20170125	01/25/17	SoundEarth	<1	**7.4**	<1	<1	<0.2
	MW15-20170531	05/31/17	SoundEarth	<1	**7.9**	<1	<1	<0.2
	MW15-20170922	09/22/17	SoundEarth	<1	3.9	<1	<1	<0.2
	MW15-20171215	12/15/17	SoundEarth	<1	3.0	<1	<1	<0.2
	MW15-20180309	03/09/18	SoundEarth	<1	3.3	<1	<1	<0.2
	MW15-20180629	06/29/18	SoundEarth	<1	5.1	<1	<1	<0.2
	MW15-20180920	09/20/18	SoundEarth	<1	**6.9**	<1	<1	<0.2
	MW15-20181214	12/14/18	SoundEarth	<1	**7.0**	<1	<1	<0.2
	MW15-20190613	06/13/19	SoundEarth	<1	**6.8**	<1	<1	<0.2
	MW15-20191205	12/05/19	SoundEarth	<1	4.9	<1	<1	<0.2
	MW15-20200626	06/26/20	SoundEarth	<1	1.2	<1	<1	<0.2
	MW15-20201211	12/11/20	SoundEarth	<1	<1	<1	<1	<0.2
	WELL DAMAGED 2021							
MW34	MW34-20211216	12/16/21	SoundEarth	<1	**5.3**	<1	<1	<0.2
	MW34-20220607	06/07/22	SoundEarth	<1	**5.9**	<1	<1	<0.02
MTCA Cleanup Level				**5[(2)]**	**5[(2)]**	**16[(3)]**	**160[(3)]**	**0.2[(2)]**

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[1] (µg/L)	TCE[1] (µg/L)	cis-1-2-DCE[1] (µg/L)	trans-1-2-DCE[1] (µg/L)	Vinyl Chloride[1] (µg/L)
Thomas Street								
MW14	MW14-20111020	10/20/11	SoundEarth	<1	<1	<1	<1	<0.2
	MW14-20130911	09/11/13	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
MW16	MW16-20121211	12/11/12	SoundEarth	**16**	**12**	**220**	<1	**0.69**
	MW16-20130911	09/11/13	SoundEarth	**6.4**	**5.0**	**610**	<1	**1.9**
	MW16-20150508	05/08/15	SoundEarth	**7.5**	**7.6**	**640**	<1	**2.8**
	MW16-20150805	08/05/15	SoundEarth	**7.8**	**7.3**	**550**	<1	**2.4**
	MW16-20151210	12/10/15	SoundEarth	**5.3**	4.5	**510**	<1	**3.2**
	MW16-20160308	03/08/16	SoundEarth	3.7	2.0	**190**	<1	**1.3**
	MW16-20160712	07/12/16	SoundEarth	<1	<1	**160**	<1	**2.0**
	MW16-20161019	10/19/16	SoundEarth	5.0	**5.4**	**170**	<1	**1.2**
	MW16-20170125	01/25/17	SoundEarth	**6.4**	**6.8**	**220**	<1	**0.98**
	MW16-20170531	05/31/17	SoundEarth	**5.7**	4.4	**100**	<1	**0.49**
	MW16-20170922	09/22/17	SoundEarth	**5.4**	**5.2**	**78**	<1	**0.40**
	MW16-20171229	12/29/17	SoundEarth	**7.2**	**6.4**	**150**	<1	**0.89**
	MW16-20180309	03/09/18	SoundEarth	**7.3**	**5.5**	**80**	<1	**0.35**
	WELL DAMAGED 2018							
MW28	MW28-20190315	03/15/19	SoundEarth	**7.7**	4.7	**67**	<1	**0.47**
	MW28-20190613	06/13/19	SoundEarth	**9.0**	**5.7**	**80**	<1	**0.35**
	MW28-20191009	10/09/19	SoundEarth	**8.7**	**6.1**	**72**	<1	**0.31**
	MW28-20191204	12/04/19	SoundEarth	**8.4**	**4.9**	**52**	<1	**0.27**
	MW28-20200626	06/26/20	SoundEarth	**9.1**	**5.1**	**22**	<1	<0.2
	MW28-20201211	12/11/20	SoundEarth	**8.3**	4.9	**19**	<1	<0.2
	MW28-20210521	05/21/21	SoundEarth	**9.2**	4.3	**17**	<1	<0.2
	MW28-20210623	06/23/21	SoundEarth	**7.0**	3.5	14	<1	<0.2
	MW28-20210817	08/17/21	SoundEarth	**7.6**	3.9	**18**	<1	<0.2
	MW28-20210921	09/21/21	SoundEarth	**7.5**	3.4	15	<1	0.10
	MW28-20211216	12/16/21	SoundEarth	**5.2**	2.8	**17**	<1	<0.2
	MW28-20220609	06/09/22	SoundEarth	2.7	1.4	**23**	<1	0.082
Fairview Avenue North								
MW-C	MW-C-20130911	09/11/13	SoundEarth	<1	<1	<1	<1	<0.2
Harrison Street								
MW01	MW01-20110525	05/25/11	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20111011	10/11/11	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20130910	09/10/13	SoundEarth	<1	1.4	<1	<1	<0.2
	MW01-20150806	08/06/15	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20160308	03/08/16	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20160712	07/12/16	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20161018	10/18/16	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20170124	01/24/17	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20170531	05/31/17	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20171214	12/14/17	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20180309	03/09/18	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20180628	06/28/18	SoundEarth	<1	1.1	<1	<1	<0.2
	MW01-20180920	09/20/18	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20181214	12/14/18	SoundEarth	<1	1.1	<1	<1	<0.2
	MW01-20190614	06/14/19	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20191205	12/05/19	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20200626	06/26/20	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20201211	12/11/20	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20210624	06/24/21	SoundEarth	<1	<1	<1	<1	<0.2
	MW01-20211215	12/15/21	SoundEarth	<1	0.50	<1	<1	<0.2
	MW01-20220607	06/07/22	SoundEarth	<1	0.73	<1	<1	<0.02
MW02	MW02-20110525	05/25/11	SoundEarth	<1	**5.2**	<1	<1	<0.2
	MW02-20111011	10/11/11	SoundEarth	<1	3.0	<1	<1	<0.2
	MW02-20130911	09/11/13	SoundEarth	<1	3.6	<1	<1	<0.2
	DECOMMISSIONED 2015							
MW03	MW03-20110527	05/27/11	SoundEarth	<1	<1	<1	<1	<0.2
	MW03-20111011	10/11/11	SoundEarth	<1	<1	<1	<1	<0.2
	MW03-20130911	09/11/13	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2015							
MTCA Cleanup Level				**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[1] (µg/L)	TCE[1] (µg/L)	cis-1-2-DCE[1] (µg/L)	trans-1-2-DCE[1] (µg/L)	Vinyl Chloride[1] (µg/L)
MW26	MW26-20151210	12/10/15	SoundEarth	<1	**11**	<1	<1	<0.2
	MW26-20160307	03/07/16	SoundEarth	<1	**10**	<1	<1	<0.2
	MW26-20160712	07/12/16	SoundEarth	<1	**12**	<1	<1	<0.2
	MW26-20161018	10/18/16	SoundEarth	<1	**12**	<1	<1	<0.2
	MW26-20170124	01/24/17	SoundEarth	<1	**13**	<1	<1	<0.2
	MW26-20170531	05/31/17	SoundEarth	<1	**7.9**	<1	<1	<0.2
	MW26-20170921	09/21/17	SoundEarth	<1	**7.1**	<1	<1	<0.2
	MW26-20171214	12/14/17	SoundEarth	<1	**15**	1.4	<1	<0.2
	MW26-20180309	03/09/18	SoundEarth	<1	**6.0**	<1	<1	<0.2
	MW26-20180628	06/28/18	SoundEarth	<1	**18**	<1	<1	<0.2
	MW26-20180920	09/20/18	SoundEarth	<1	**18**	<1	<1	<0.2
	MW26-20181214	12/14/18	SoundEarth	<1	**20**	<1	<1	<0.2
	MW26-20190614	06/14/19	SoundEarth	<1	**20**	<1	<1	<0.2
	MW26-20191205	12/05/19	SoundEarth	<1	**13**	<1	<1	<0.2
	MW26-20200626	06/26/20	SoundEarth	<1	**13**	<1	<1	<0.2
	MW26-20201211	12/11/20	SoundEarth	<1	4.0	<1	<1	<0.2
	MW26-20210624	06/24/21	SoundEarth	<1	**6.6**	<1	<1	<0.2
	MW26-20211215	12/15/21	SoundEarth	<1	**7.9**	<1	<1	<0.2
	MW26-20220608	06/08/22	SoundEarth	<1	3.5	<1	<1	0.038
MW32	MW32-20191009	10/09/19	SoundEarth	<1	<1	<1	<1	<0.2
	MW32-20191205	12/05/19	SoundEarth	<1	<1	<1	<1	<0.2
	MW32-20200626	06/26/20	SoundEarth	<1	<1	<1	<1	<0.2
	MW32-20201212	12/12/20	SoundEarth	<1	<1	<1	<1	<0.2
	MW32-20210624	06/24/21	SoundEarth	<1	<1	<1	<1	<0.2
	MW32-20211215	12/15/21	SoundEarth	<1	<0.5	<1	<1	<0.2
	MW32-20220607	06/07/22	SoundEarth	<1	<0.5	<1	<1	<0.02
MW33	MW33-20191009	10/09/19	SoundEarth	<1	<1	<1	<1	<0.2
	MW33-20191205	12/05/19	SoundEarth	<1	<1	<1	<1	<0.2
	--	06/26/20	SoundEarth	Well dry, unable to sample				
	--	12/10/20	SoundEarth	Well dry, unable to sample				
	MW33-20210624	06/24/21	SoundEarth	<1	<1	<1	<1	<0.2
	MW33-20211216	12/16/21	SoundEarth	<1	<0.5	<1	<1	<0.2
	MW33-20220607	06/07/22	SoundEarth	<1	<0.5	<1	<1	<0.02
SMW06	SMW06-20130910	09/10/13	SoundEarth	<1	<1	<1	<1	<0.2
Westlake Avenue North								
SMW09	SMW09-20130910	09/10/13	SoundEarth	<1	<1	<1	<1	<0.2
South-Adjoining Property								
MW29	MW29-20191008	10/08/19	SoundEarth	**8.6**	**9.4**	**52**	<1	**0.64**
	MW29-20191204	12/04/19	SoundEarth	**16**	**12**	**26**	<1	**0.40**
	MW29-20200626	06/26/20	SoundEarth	**18**	**13**	**16**	<1	0.20
	MW29-20201210	12/10/20	SoundEarth	**18**	**13**	**18**	<1	<0.2
	MW29-20210622	06/22/21	SoundEarth	**14**	**11**	16	<1	<0.2
	MW29-20211215	12/15/21	SoundEarth	**15**	**12**	14	<1	<0.2
	MW29-20220607	06/07/22	SoundEarth	**20**	**15**	10	<1	0.13
MW30	MW30-20191008	10/08/19	SoundEarth	<1	3.6	**24**	<1	<0.2
	MW30-20191204	12/04/19	SoundEarth	<1	2.0	11	<1	<0.2
	MW30-20200626	06/26/20	SoundEarth	<1	1.0	3.6	<1	<0.2
	MW30-20201210	12/10/20	SoundEarth	<1	2.4	13	<1	<0.2
	MW30-20210623	06/23/21	SoundEarth	<1	2.0	7.4	<1	<0.2
	MW30-20211215	12/15/21	SoundEarth	<1	2.2	5.2	<1	<0.2
	MW30-20220606	06/06/22	SoundEarth	<1	2.3	3.5	<1	0.029
ONNI-MW-4	ONNI-MW-4-20191208	12/08/19	SoundEarth	<1	<1	<1	<1	<0.2
	ONNI-MW-4-20200625	06/25/20	SoundEarth	<1	<1	<1	<1	<0.2
	ONNI-MW-4-20201210	12/10/20	SoundEarth	<1	<1	<1	<1	<0.2
	ONNI-MW-4-20210622	06/22/21	SoundEarth	<1	<1	<1	<1	<0.2
	ONNI-MW-4-20211215	12/15/21	SoundEarth	<1	<0.5	<1	<1	<0.2
ONNI-MW-5	ONNI-MW-5-20191208	12/08/19	SoundEarth	<1	<1	<1	<1	**0.28**
	ONNI-MW-5-20200206	02/06/20	SoundEarth	<1	<1	<1	<1	<0.2
	ONNI-MW-5-20200625	06/25/20	SoundEarth	<1	<1	<1	<1	<0.2
	ONNI-MW-5-20201209	12/09/20	SoundEarth	<1	<1	<1	<1	<0.2
	ONNI-MW-5-20210623	06/23/21	SoundEarth	<1	<1	<1	<1	<0.2
	ONNI-MW-5-20211214	12/14/21	SoundEarth	<1	<0.5	<1	<1	<0.2
ONNI-MW-9	ONNI-MW-9-20211214	12/14/21	SoundEarth	<1	<0.5	1.3	<1	<0.2
	ONNI-MW-9-20220606	06/06/22	SoundEarth	<1	<0.5	<1	<1	<0.02
MTCA Cleanup Level				**5[2]**	**5[2]**	**16[3]**	**160[3]**	**0.2[2]**

Table 2
Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	PCE[(1)] (µg/L)	TCE[(1)] (µg/L)	cis-1-2-DCE[(1)] (µg/L)	trans-1-2-DCE[(1)] (µg/L)	Vinyl Chloride[(1)] (µg/L)
North-Adjoining Property								
SLU-MW01	MW01-20120229	02/29/12[(4)]	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
SLU-MW02	MW02-20120229	02/29/12[(4)]	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
MTCA Cleanup Level				**5[(2)]**	**5[(2)]**	**16[(3)]**	**160[(3)]**	**0.2[(2)]**

NOTES:

Red denotes concentrations exceeding the MTCA Method cleanup level for groundwater.

[(1)]Analyzed by EPA Method 8260C, 8021B, or 8240.

[(2)]MTCA Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of WAC, revised November 2007.

[(3)]MTCA Cleanup Regulation, Chapter 173-340 of WAC, CLARC, Groundwater, Method B, Non-Carcinogen, Standard Formula Value, CLARC Website <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>.

[(4)]Sample data compiled from reports on file at the Washington State Department of Ecology.

Laboratory Notes:

[ca]The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

[cf]The sample was centrifuged prior to analysis.

[ve]Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

[*]The sample was collected with a passive diffusion bag.

< = not detected at a concentration exceeding laboratory reporting limit

µg/L = micrograms per liter

CLARC = Cleanup Levels and Risk Calculations

CVOC = chlorinated volatile organic compound

DCE = dichloroethene

EPA = US Environmental Protection Agency

MTCA = Washington State Model Toxics Control Act

PCE = tetrachloroethene

SoundEarth = SoundEarth Strategies, Inc.

TCE = trichloroethene

WAC = Washington Administrative Code

Table 2A
Groundwater CVOCs Results Summary
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Groundwater CVOCs Analytical Results[1]

On-Property Wells

Year	Quarter	MW17 PCE	MW17 TCE	MW17 DCE[2]	MW17 VC	MW18 PCE	MW18 TCE	MW18 DCE[2]	MW18 VC	MW19 PCE	MW19 TCE	MW19 DCE[2]	MW19 VC	MW20 PCE	MW20 TCE	MW20 DCE[2]	MW20 VC	MW21 PCE	MW21 TCE	MW21 DCE[2]	MW21 VC	MW22 PCE	MW22 TCE	MW22 DCE[2]	MW22 VC	MW23 PCE	MW23 TCE	MW23 DCE[2]	MW23 VC	MW24 PCE	MW24 TCE	MW24 DCE[2]	MW24 VC	MW25 PCE	MW25 TCE	MW25 DCE[2]	MW25 VC	IW04 PCE	IW04 TCE	IW04 DCE[2]	IW04 VC	IW06 PCE	IW06 TCE	IW06 DCE[2]	IW06 VC	IW50 PCE	IW50 TCE	IW50 DCE[2]	IW50 VC	IW61 PCE	IW61 TCE	IW61 DCE[2]	IW61 VC	IW91 PCE	IW91 TCE	IW91 DCE[2]	IW91 VC
2015	2																																																								
	3																																																								
	4																																																								
2016	1																																																								
	3																																																								
	4																																																								
2017	1																																																								
	2																																																								
	3																																																								
	4																																																								
2018	1																																																								
	2																																																								
	3																																																								
	4																																																								
2019	2																																																								
	4																																																								
2020	2																																																								
	4																																																								
2021	2																																																								
	4																																																								
2022	2																																																								
	4																																																								

Boren Avenue North

Year	Quarter	MW04 PCE	MW04 TCE	MW04 DCE[2]	MW04 VC	MW07 PCE	MW07 TCE	MW07 DCE[2]	MW07 VC	MW13 PCE	MW13 TCE	MW13 DCE[2]	MW13 VC	MW27 PCE	MW27 TCE	MW27 DCE[2]	MW27 VC	MW31 PCE	MW31 TCE	MW31 DCE[2]	MW31 VC
2015	2																				
	3																				
	4																				
2016	1																				
	3																				
	4																				
2017	1																				
	2																				
	3																				
	4																				
2018	1																				
	2																				
	3																				
	4																				
2019	2																				
	4																				
2020	2																				
	4																				
2021	2																				
	4																				
2022	2																				
	4																				

Terry Avenue North / **Thomas Street**

Year	Quarter	MW15[4] PCE	MW15[4] TCE	MW15[4] DCE[2]	MW15[4] VC	MW34[4] PCE	MW34[4] TCE	MW34[4] DCE[2]	MW34[4] VC	MW16[3] PCE	MW16[3] TCE	MW16[3] DCE[2]	MW16[3] VC	MW28[3] PCE	MW28[3] TCE	MW28[3] DCE[2]	MW28[3] VC
2015	2																
	3																
	4																
2016	1																
	3																
	4																
2017	1																
	2																
	3																
	4																
2018	1																
	2																
	3																
	4																
2019	2																
	4																
2020	2																
	4																
2021	2																
	4																
2022	2																
	4																

Harrison Street

Year	Quarter	MW01 PCE	MW01 TCE	MW01 DCE[2]	MW01 VC	MW26 PCE	MW26 TCE	MW26 DCE[2]	MW26 VC	MW32 PCE	MW32 TCE	MW32 DCE[2]	MW32 VC	MW33 PCE	MW33 TCE	MW33 DCE[2]	MW33 VC
2015	2																
	3																
	4																
2016	1																
	3																
	4																
2017	1																
	2																
	3																
	4																
2018	1																
	2																
	3																
	4																
2019	2																
	4																
2020	2																
	4																
2021	2																
	4																
2022	2																
	4																

South-Adjoining Property / **ONNI Property**

Year	Quarter	MW29 PCE	MW29 TCE	MW29 DCE[2]	MW29 VC	MW30 PCE	MW30 TCE	MW30 DCE[2]	MW30 VC	ONNI-MW-4 PCE	ONNI-MW-4 TCE	ONNI-MW-4 DCE[2]	ONNI-MW-4 VC	ONNI-MW-5 PCE	ONNI-MW-5 TCE	ONNI-MW-5 DCE[2]	ONNI-MW-5 VC	ONNI-MW-9 PCE	ONNI-MW-9 TCE	ONNI-MW-9 DCE[2]	ONNI-MW-9 VC
2015	2																				
	3																				
	4																				
2016	1																				
	3																				
	4																				
2017	1																				
	2																				
	3																				
	4																				
2018	1																				
	2																				
	3																				
	4																				
2019	2																				
	4																				
2020	2																				
	4																				
2021	2																				
	4																				
2022	2																				
	4																				

NOTES:

Denotes CVOC concentration does not exceed the Applicable MTCA cleanup level.

Denotes CVOC concentration exceeds the applicable MTCA cleanup level.

Denotes well not sampled and/or inaccessible.

Sample analyses conducted by Friedman & Bruya, Inc. of Seattle, Washington.

No trans-1,2-DCE has been detected above the reporting limit for samples collected at this site.

(1) Samples analyzed by EPA Method 8260C.

(2) DCE refers to the greater concentration of cis-1,2-DCE.

(3) Monitoring well MW16 destroyed during ROW construction in 2018, and replacement well MW28 installed.

CVOC = chlorinated volatile organic compound
DCE = dichloroethene
EPA = US Environmental Protection Agency
MTCA = Washington State Model Toxics Control Act
PCE = tetrachloroethene

ROW = right-of-way
TCE = trichloroethene
VC = vinyl chloride
VOC = volatile organic compound

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[(1)] (µg/L)	ORPH[(1)] (µg/L)	GRPH[(2)] (µg/L)	Benzene[(3)] (µg/L)	Toluene[(3)] (µg/L)	Ethylbenzene[(3)] (µg/L)	Total Xylenes[(3)] (µg/L)
Troy Laundry Property										
MW06	MW06-20110531	05/31/11	SoundEarth	330[x]	<250	<100	<1	<1	<1	<3
	MW06-20111011	10/10/11	SoundEarth	83[x]	<250	<100	<1	<1	<1	<3
	MW06-20130909	09/09/13	SoundEarth	150[x]	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2013									
MW08	MW08-20111013	10/13/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW08-20130910	09/10/13	SoundEarth	120[x]	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2013									
MW09	MW09-20111013	10/13/11	SoundEarth	240[x]	<250	1,400	<1	<1	2.7	10
	MW09-20130910	09/10/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2013									
MW10	MW10-20111012	10/12/11	SoundEarth	68[x]	<250	<100	<1	<1	<1	<3
	MW10-20130909	09/09/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2013									
MW11	MW11-20111013	10/13/11	SoundEarth	110[x]	<250	<100	<1	<1	<1	<3
	MW11-20130909	09/09/13	SoundEarth	97[x]	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2013									
MW12	MW12-20111017	10/17/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW12-20130909	09/09/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2013									
MW17	MW17-20150506	05/06/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20150804	08/04/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20151207	12/07/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20160308	03/08/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20160714	07/14/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20161020	10/20/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20170126	01/26/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20170601	06/01/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20170923	09/23/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20171216	12/16/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW17-20180310	03/10/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW17-20180630	06/30/18	SoundEarth	<60	<300	<100	<1	<1	<1	<3
	MW17-20180922	09/22/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW17-20181215	12/15/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW17-20190615	06/15/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW17-20191207	12/07/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW17-20200627	06/27/20	SoundEarth	<50	<250	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500[(4)]**	**500[(4)]**	**1,000/800[(4) (5)]**	**5[(4)]**	**1,000[(4)]**	**700[(4)]**	**1,000[(4)]**

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
MW18	MW18-20150506	05/06/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW18-20150803	08/03/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW18-20151208	12/08/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW18-20160308	03/08/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW18-20160714	07/14/16	SoundEarth	31,000 x, ip	5,100 x, ip	<100	<0.35	<1	<1	<3
	MW18-20161020	10/20/16	SoundEarth	61,000 x, ip	<8,400 x, ip	1,100 x	<0.35	<1	<1	<3
	MW18-20170126	01/26/17	SoundEarth	22,000 x, ip	3,500 x, ip	840	<0.35	<1	<1	<3
	MW18-20170601	06/01/17	SoundEarth	77,000 x, ip	1,600 x, ip	470	<0.35	<1	<1	<3
	MW18-20170923	09/23/17	SoundEarth	34,000 x	<3,500	210	<0.35	<1	<1	<3
	MW18-20171216	12/16/17	SoundEarth	18,000 x, ip	<2,500 ip	380	<0.35	<1	<1	<3
	MW18-20180310	03/10/18	SoundEarth	6,000 x	<2,500	390	<1	1.3	<1	<3
	MW18-20180630	06/30/18	SoundEarth	12,000 x	1,600 x	230	<1	1.3	<1	12
	MW18-20180922	09/22/18	SoundEarth	1,400 x, ip	<2,500 ip	290	<1	<1	<1	6.9
	MW18-20181215	12/15/18	SoundEarth	1,600 x	490 x	<100	<1	<1	<1	<3
	MW18-20190615	06/15/19	SoundEarth	1,100 x	830 x	<100	<1	<1	<1	<3
	MW18-20191207	12/07/19	SoundEarth	830 x	480 x	<100	<1	<1	<1	<3
	MW18-20200627	06/27/20	SoundEarth	260 x	<250	<100	<1	<1	<1	<3
MW19	MW19-20150507	05/07/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW19-20150803	08/03/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW19-20151207	12/07/15	SoundEarth	85 x	<250	<100	<0.35	<1	<1	<3
	MW19-20160308	03/08/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW19-20160713	07/13/16	SoundEarth	21,000 x, ip	4,100 x, ip	<100	<0.35	<1	<1	<3
	MW19-20161021	10/21/16	SoundEarth	18,000 x, ip	2,300 x, ip	<100	<0.35	<1	<1	<3
	MW19-20170125	01/25/17	SoundEarth	29,000 x	4,400 x	210 x	<0.35	<1	<1	<3
	MW19-20170601	06/01/17	SoundEarth	31,000 x, ip	3,400 x, ip	180	<0.35	<1	<1	<3
	MW19-20170923	09/23/17	SoundEarth	27,000 x, ip	<3,000 ip	150	<0.35	<1	<1	<3
	MW19-20171216	12/16/17	SoundEarth	9,700 x, ip	<2,500 ip	470	<0.35	<1	<1	<3
	MW19-20180310	03/10/18	SoundEarth	1,600 x	<2,500	250	<1	<1	<1	<3
	MW19-20180630	06/30/18	SoundEarth	13,000 x	820 x	310	<1	<1	<1	9.6
	MW19-20180922	09/22/18	SoundEarth	3,300 x, ip	<2,500 ip	300	<1	<1	<1	5.0
	MW19-20190615	06/15/19	SoundEarth	650 x	430 x	<100	<1	<1	<1	<3
	MW19-20191207	12/07/19	SoundEarth	610 x	690 x	<100	<1	<1	<1	<3
	MW19-20200627	06/27/20	SoundEarth	150 x	380 x	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[(1)] (µg/L)	ORPH[(1)] (µg/L)	GRPH[(2)] (µg/L)	Benzene[(3)] (µg/L)	Toluene[(3)] (µg/L)	Ethylbenzene[(3)] (µg/L)	Total Xylenes[(3)] (µg/L)
MW20	MW20-20150506	05/06/15	SoundEarth	120[x]	<250	<100	<0.35	<1	<1	<3
	MW20-20150803	08/03/15	SoundEarth	140[x]	<250	<100	<0.35	<1	<1	<3
	MW20-20151207	12/07/15	SoundEarth	84[x]	<250	<100	<0.35	<1	<1	<3
	MW20-20160309	03/09/16	SoundEarth	130[x]	<300	<100	<0.35	<1	<1	<3
	MW20-20160715	07/15/16	SoundEarth	150[x]	<250	<100	<0.35	<1	<1	<3
	MW20-20161020	10/20/16	SoundEarth	110[x]	<250	<100	<0.35	<1	<1	<3
	MW20-20170125	01/25/17	SoundEarth	64[x]	<250	<100	<0.35	<1	<1	<3
	MW20-20170601	06/01/17	SoundEarth	94[x]	<250	<100	<0.35	<1	<1	<3
	MW20-20170924	09/24/17	SoundEarth	130[x]	<300	<100	<0.35	<1	<1	<3
	MW20-20171216	12/16/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW20-20180310	03/10/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW20-20180630	06/30/18	SoundEarth	120[x]	<250	<100	<1	<1	<1	<3
	MW20-20180922	09/22/18	SoundEarth	100[x]	<250	<100	<1	<1	<1	<3
	MW20-20181215	12/15/18	SoundEarth	72[x]	<250	<100	<1	<1	<1	<3
	MW20-20190615	06/15/19	SoundEarth	140[x]	<250	<100	<1	<1	<1	<3
	MW20-20191207	12/07/19	SoundEarth	80[x]	<250	<100	<1	<1	<1	<3
	MW20-20200627	06/27/20	SoundEarth	91[x]	<250	<100	<1	<1	<1	<3
MW21	MW21-20150506	05/06/15	SoundEarth	160[x]	<250	<100	<0.35	<1	<1	<3
	MW21-20150804	08/04/15	SoundEarth	150[x]	<250	<100	<0.35	<1	<1	<3
	MW21-20151208	12/08/15	SoundEarth	110[x]	<250	<100	<0.35	<1	<1	<3
	MW21-20160309	03/09/16	SoundEarth	120[x]	<250	<100	<0.35	<1	<1	<3
	MW21-20160713	07/13/16	SoundEarth	**12,000**[x]	**2,700**[x]	<100	<0.35	<1	<1	<3
	MW21-20161020	10/20/16	SoundEarth	**77,000**[x, ip]	**8,600**[x, ip]	<100	<0.35	<1	<1	<3
	MW21-20170126	01/26/17	SoundEarth	**16,000**[x, ip]	**10,000**[x, ip]	<100	<0.35	<1	<1	<3
	MW21-20170601	06/01/17	SoundEarth	**48,000**[x, ip]	**18,000**[x, ip]	130	<0.35	<1	<1	<3
	MW21-20170923	09/23/17	SoundEarth	**67,000**[x, ip]	**7,700**[x, ip]	220	<0.35	<1	<1	<3
	MW21-20171216	12/16/17	SoundEarth	**27,000**[x]	**<2,500**	390	<0.35	<1	<1	<3
	MW21-20180310	03/10/18	SoundEarth	**23,000**[x]	**<2,500**	130	<1	<1	<1	<3
	MW21-2018630	06/30/18	SoundEarth	**65,000**[x, ip]	**5,200**[x, ip]	670	<1	3.0	11	11
	MW21-20180922	09/22/18	SoundEarth	**53,000**[x, ip]	**8,600**[x, ip]	400	<1	<1	<1	3.4
	MW21-20181215	12/15/18	SoundEarth	**47,000**[x]	**2,100**[x]	180	<1	<1	<1	6.5
	MW21-20190615	06/15/19	SoundEarth	**6,400**[x]	**<2,500**	<100	<1	<1	<1	3.8
	MW21-20191207	12/07/19	SoundEarth	**21,000**[x]	**2,100**[x]	300	<1	<1	<1	4.8
	MW21-20200627	06/27/20	SoundEarth	**120,000**[x]	**3,500**[x, lp]	**1,100**	1.8	5.9	<1	19
	MW21-20201212	12/12/20	SoundEarth	**36,000**[x]	**6,500**[x]	460	--	--	--	--
	MW21-20210625	06/25/21	SoundEarth	**74,000**[x,ve]	**5,400**[x]	**1,000**	--	--	--	--
	MW21-20211217	12/17/21	SoundEarth	**48,000**[x]	**5,800**[x]	<1,000	--	--	--	--
	MW21-20220609	06/09/22	SoundEarth	**47,000**[x]	**3,700**[x]	210	--	--	--	--
MTCA Cleanup Level				**500**[(4)]	**500**[(4)]	**1,000/800**[(4) (5)]	**5**[(4)]	**1,000**[(4)]	**700**[(4)]	**1,000**[(4)]

Table 3
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Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
MW22	MW22-20150506	05/06/15	SoundEarth	97[x]	<250	<100	<0.35	<1	<1	<3
	MW22-20150804	08/05/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW22-20151208	12/08/15	SoundEarth	69[x]	<300	<100	<0.35	<1	<1	<3
	MW22-20160308	03/08/16	SoundEarth	110[x]	<250	<100	<0.35	<1	<1	<3
	MW22-20160713	07/13/16	SoundEarth	8,000[x, ip]	2,100[x, ip]	140	<0.35	<1	<1	<3
	MW22-20161020	10/20/16	SoundEarth	29,000[x, ip]	7,500[x, ip]	130	<0.35	<1	<1	<3
	MW22-20170126	01/26/17	SoundEarth	13,000[x, ip]	13,000[x, ip]	730	<0.35	<1	<1	<3
	MW22-20170601	06/01/17	SoundEarth	59,000[x]	8,700[x]	660	<0.35	<1	<1	<3
	MW22-20170923	09/23/17	SoundEarth	85,000[x,ip]	<2,500[ip]	390	<0.35	<1	<1	<3
	MW22-20171216	12/16/17	SoundEarth	58,000[x,ip]	<3,000[ip]	1,800	<0.35	<1	<1	<3
	MW22-20180310	03/10/18	SoundEarth	50,000[x]	<2,500	530	<0.35	<1	<1	10
	MW22-20180630	06/30/18	SoundEarth	86,000[x, ip]	4,500[x, ip]	620	<1	<1	<1	34
	MW22-20180922	09/22/18	SoundEarth	73,000[x, ip]	6,800[x, ip]	320	<1	<1	<1	21
	MW22-20181215	12/15/18	SoundEarth	49,000[x]	7,700[x]	180	<1	<1	<1	14
	MW22-20190615	06/15/19	SoundEarth	24,000[x]	4,600[x]	170	<1	<1	<1	21
	MW22-20191207	12/07/19	SoundEarth	40,000[x]	3,400[x]	810	<1	<1	<1	74
	MW22-20200627	06/27/20	SoundEarth	25,000[x]	1,100[x]	340	<1	<1	<1	4.3
	MW22-20201212	12/12/20	SoundEarth	12,000[x]	4,100[x]	570	--	--	--	--
	MW22-20210625	06/25/21	SoundEarth	20,000[x]	1,800[x]	540	--	--	--	--
	MW22-20211217	12/17/21	SoundEarth	47,000[x]	5,700[x]	<1,000	--	--	--	--
	MW22-20220609	06/09/22	SoundEarth	7,800[x]	630[x]	<1,000	--	--	--	--
MW23	MW23-20150507	05/07/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW23-20150804	08/04/15	SoundEarth	520[x]	<250	<100	<0.35	<1	<1	<3
	MW23-20151208	12/08/15	SoundEarth	190[x]	<300	<100	<0.35	<1	<1	<3
	MW23-20160308	03/08/16	SoundEarth	410[x]	<250	<100	<0.35	<1	<1	<3
	MW23-20160714	07/14/16	SoundEarth	26,000[x, ip]	1,500[x, ip]	190	<0.35	<1	<1	<3
	MW23-20161020	10/20/16	SoundEarth	80,000[x, ip]	<5,000[ip]	350	<0.35	<1	<1	<3
	MW23-20170126	01/26/17	SoundEarth	14,000[x, ip]	5,600[x, ip]	240	<0.35	<1	<1	<3
	MW23-20170601	06/01/17	SoundEarth	140,000[x, ip]	4,000[x, ip]	210	<0.35	<1	<1	<3
	MW23-20170923	09/23/17	SoundEarth	140,000[x]	<2,500	170	<0.35	<1	<1	<3
	MW23-20171216	12/16/17	SoundEarth	110,000[x, ip]	<2,500[ip]	2,200	<0.35	<1	<1	<3
	MW23-20180310	03/10/18	SoundEarth	11,000[x]	<2,500	600	<1	<1	<1	4.6
	MW23-20180630	06/30/18	SoundEarth	30,000[x]	1,000[x]	540	<1	<1	<1	31
	MW23-20180922	09/22/18	SoundEarth	19,000[x, ip]	<2,600[ip]	150	<1	<1	<1	11
	MW23-20181215	12/15/18	SoundEarth	14,000[x]	500[x]	180	<1	<1	<1	7.1
	MW23-20190615	06/15/19	SoundEarth	3,400[x]	<2,500	260	<1	<1	<1	7.1
	MW23-20191207	12/07/19	SoundEarth	1,400[x]	790[x]	<100	<1	<1	<1	<3
	MW23-20200627	06/27/20	SoundEarth	360[x]	<250	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

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Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
MW24	MW24-20150506	05/06/15	SoundEarth	93[x]	<250	<100	<0.35	<1	<1	<3
	MW24-20150804	08/04/15	SoundEarth	94[x]	<250	<100	<0.35	<1	<1	<3
	MW24-20151208	12/08/15	SoundEarth	240[x]	<250	<100	<0.35	<1	<1	<3
	MW24-20160309	03/09/16	SoundEarth	130[x]	<250	<100	<0.35	<1	<1	<3
	MW24-20160715	07/15/16	SoundEarth	13,000[x, ip]	1,400[x, ip]	<100	<0.35	<1	<1	<3
	MW98-20160715 (DUP)		SoundEarth	11,000[x, ip]	1,900[x, ip]	<100	<0.35	<1	<1	<3
	MW24-20161020	10/20/16	SoundEarth	3,200[x,ip]	1,900[x,ip]	<100	<0.35	<1	<1	<3
	MW24-20170125	01/25/17	SoundEarth	12,000[x]	2,000[x]	<100	<0.35	<1	<1	<3
	MW24-20170601	06/01/17	SoundEarth	510,000[x, ip]	27,000[x, ip]	<100	<0.35	<1	<1	<3
	MW24-20170601	09/24/17	SoundEarth	39,000[x, ip]	<3,000[ip]	250	<0.35	<1	<1	<3
	MW24-20171216	12/16/17	SoundEarth	10,000[x]	<3,000	990	<0.35	<1	<1	<3
	MW24-20180310	03/10/18	SoundEarth	990[x]	<2,500	460	<1	<1	<1	3.7
	MW24-20180630	06/30/18	SoundEarth	75,000[x, ip]	7,700[x,ip]	2,700	<1	3.6	6.5	110
	MW24-20180922	09/22/18	SoundEarth	7,800[x, ip]	<2,500[ip]	190	<1	<1	<1	7.5
	MW24-20181215	12/15/18	SoundEarth	20,000[x]	2,700[x]	<100	<1	<1	<1	<3
	MW24-20190615	06/15/19	SoundEarth	6,400[x]	<2,500	<100	<1	<1	<1	<3
	MW24-20191207	12/07/19	SoundEarth	7,100[x]	1,400[x]	<100	<1	<1	<1	<3
	MW24-20200627	06/27/20	SoundEarth	700[x, ip]	570[x, ip]	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

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Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
MW25	MW25-20150507	05/07/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW99-20150507 (DUP)			<50	<250	<100	<0.35	<1	<1	<3
	MW25-20150805	08/05/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW99-20150805 (DUP)			<50	<250	<100	<0.35	<1	<1	<3
	MW25-20151209	12/09/15	SoundEarth	86[x]	<250	<100	<0.35	<1	<1	<3
	MW99-20151209 (DUP)			100[x]	<300	<100	<0.35	<1	<1	<3
	MW25-20160308	03/08/16	SoundEarth	190[x]	<250	<100	<0.35	<1	<1	<3
	MW99-20160308(DUP)			160[x]	<250	<100	<0.35	<1	<1	<3
	MW25-20160713	07/13/16	SoundEarth	**43,000**[x]	**5,000**[x]	110	<0.35	<1	<1	<3
	MW25-20161019	10/19/16	SoundEarth	**26,000**[x]	**1,500**[x]	160	--	--	--	--
	MW99-20161019(DUP)			**29,000**[x]	**1,600**[x]	160	--	--	--	--
	MW25-20170125	01/25/17	SoundEarth	**8,200**[x]	340[x]	120[x]	<0.35	<1	<1	<3
	MW99-20170125(DUP)			**6,900**[x]	350[x]	150[x]	<0.35	<1	<1	<3
	MW25-20170601	06/01/17	SoundEarth	**50,000**[x, ip]	**<1,000**[ip]	370	<0.35	<1	<1	<3
	MW99-20170601(DUP)			**46,000**[x, ip]	**<1,000**[ip]	410	<0.35	<1	<1	<3
	MW25-20170923	09/23/17	SoundEarth	**12,000**[x, ip]	**<2,500**[ip]	270	<0.35	<1	<1	<3
	MW99-20170923(DUP)			**13,000**[x, ip]	**<2,500**[ip]	220	<0.35	<1	<1	<3
	MW25-20171216	12/16/17	SoundEarth	**4,000**[x, ip]	**<3,000**[ip]	580	<0.35	<1	<1	<3
	MW99-20171216 (DUP)			**4,000**[x, ip]	**<3,000**[ip]	700	<0.35	<1	<1	<3
	MW25-20180310	03/10/18	SoundEarth	**3,300**[x]	**<2,500**	490	<1	<1	<1	4.7
	MW99-20180310 (DUP)			**3,800**[x]	**<2,500**	510	<1	<1	<1	4.5
	MW25-20180630	06/30/18	SoundEarth	**5,300**[x, ip]	**630**[x, ip]	490	<1	<1	<1	31
	MW99-20180630 (DUP)			**5,500**[x, ip]	410[x, ip]	340	<1	<1	<1	26
	MW25-20180922	09/22/18	SoundEarth	**1,500**[x, ip]	**<2,500**[ip]	300	<1	<1	<1	17
	MW99-20180922 (DUP)			**1,900**[x, ip]	**<2,500**[ip]	160	<1	<1	<1	13
	MW25-20181215	12/15/18	SoundEarth	**1,100**[x]	<250	<100	<1	<1	<1	<3
	MW99-20181215 (DUP)			**960**[x]	<250	<100	<1	<1	<1	<3
	MW25-20190615	06/15/19	SoundEarth	**1,000**[x]	**<2,500**	<100	<1	<1	<1	<3
	MW99-20190615 (DUP)			**1,100**[x]	**<2,500**	<100	<1	<1	<1	<3
	MW25-20191207	12/07/19	SoundEarth	240[x]	<250	<100	<1	<1	<1	<3
	MW99-20191207 (DUP)			300[x]	<250	<100	<1	<1	<1	<3
	MW25-20200627	06/27/20	SoundEarth	130[x]	<250	<100	<1	<1	<1	<3
	MW99-20200627 (DUP)			190[x]	<250	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500**[(4)]	**500**[(4)]	**1,000/800**[(4)(5)]	**5**[(4)]	**1,000**[(4)]	**700**[(4)]	**1,000**[(4)]

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Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
IW04	IW04-20150508	05/08/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW04-20170601	06/01/17	SoundEarth	--	--	--	<0.35	<1	<1	<3
IW06	IW06-20150507	05/07/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
IW50	IW50-20150803	08/03/15	SoundEarth	5,000[x]	<250	<100	<0.35	<1	<1	<3
	IW50-20160715	07/15/16	SoundEarth	39,000[x]	1,900[x]	640	<0.35	<1	<1	<3
IW91	IW91-20150506	05/06/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW91-20150804	08/04/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW91-20151208	12/08/15	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	IW91-20160309	03/09/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW91-20160714	07/14/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW91-20161020	10/20/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW91-20170126	01/26/17	SoundEarth	200[x]	<300	<100	<0.35	<1	<1	<3
	IW91-20170601	06/01/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW91-20170923	09/23/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW91-20171216	12/16/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	IW91-20180310	03/10/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	IW91-20180630	06/30/18	SoundEarth	<60	<300	<100	<1	<1	<1	<3
	IW91-20180922	09/22/18	SoundEarth	<60	<300	<100	<1	<1	<1	<3
	IW91-20181215	12/15/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	IW91-20190615	06/15/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	IW91-20191207	12/07/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	IW91-20200627	06/27/20	SoundEarth	60[x]	<250	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4][5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

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Boren Avenue North										
MW04	MW04-20110527	05/27/11	SoundEarth	<50	<250	<100	<1	1.3	<1	<3
	MW04-20111012	10/12/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW04-20130909	09/09/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW04-20150508	05/08/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW04-20150806	08/06/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW04-20151209	12/09/15	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	MW04-20160308	03/08/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW04-20160713	07/13/16	SoundEarth	<56	<280	<100	<0.35	<1	<1	<3
	MW04-20161019	10/19/16	SoundEarth	<50	<250	<100	--	--	--	--
	MW04-20170124	01/24/17	SoundEarth	150[x]	<250	<100	<0.35	<1	<1	<3
	MW04-20170531	05/31/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW04-20170921	09/21/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW04-20171214	12/14/17	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	MW04-20180309	03/09/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW04-20180629	06/29/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW04-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW04-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW04-20190614	06/14/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW04-20191205	12/05/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW04-20200626	06/26/20	SoundEarth	130[x]	<250	<100	<1	<1	<1	<3
MW05	MW05-20110527	05/27/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW05-20111012	10/12/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW05-20130910	09/10/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2015									
MTCA Cleanup Level				**500[(4)]**	**500[(4)]**	**1,000/800[(4)(5)]**	**5[(4)]**	**1,000[(4)]**	**700[(4)]**	**1,000[(4)]**

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
MW07	MW07-20110531	05/31/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20111012	10/12/11	SoundEarth	240[x]	<250	<100	<1	<1	<1	<3
	MW07-20130909	09/09/13	SoundEarth	120[x]	<250	<100	<1	<1	<1	<3
	MW07-20150508	05/08/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW07-20150805	08/05/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW07-20151209	12/09/15	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	MW07-20160308	03/08/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW07-20160713	07/13/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW07-20161019	10/19/16	SoundEarth	76[x]	<250	<100	--	--	--	--
	MW07-20170124	01/24/17	SoundEarth	120[x]	<250	<100	<0.35	<1	<1	<3
	MW07-20170531	05/31/17	SoundEarth	54[x]	<250	<100	<0.35	<1	<1	<3
	MW07-20180308	03/08/18	SoundEarth	<50	<250	<100	<1	<1	<1	<1
	MW07-20180629	06/29/18	SoundEarth	<60	<300	<100	<1	<1	<1	<3
	MW07-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20190614	06/14/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20191205	12/05/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20200630	06/30/20	SoundEarth	<50	<250	<100	<1	<1	<1	<3
MW13	MW13-20111020	10/20/11	SoundEarth	150[x]	<250	<100	<1	<1	<1	<3
	MW13-20130910	09/10/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20150511	05/11/15	SoundEarth	<70	<350	<100	<0.35[cf]	<1[cf]	<1[cf]	<3[cf]
	MW13-20150805	08/05/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20151215	12/15/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20160307	03/07/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20160712	07/12/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20161019	10/19/16	SoundEarth	<50	<250	<100	--	--	--	--
	MW13-20170124	01/24/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20170531	05/31/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20170921	09/21/17	SoundEarth	120[x]	<300	<100	<0.35	<1	<1	<3
	MW13-20171214	12/14/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20180308	03/08/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20180629	06/29/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20190614	06/14/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20191205	12/05/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20200626	06/26/20	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20201210	12/10/20	SoundEarth	80[x]	<250	<100	<1	<1	<1	<3
	MW13-20210623	06/23/21	SoundEarth	100[x]	<300	<100	<1	<1	<1	<3
	MW13-20211216	12/16/21	SoundEarth	<50	<250	<100	--	--	--	--
	MW13-20220608	06/08/22	SoundEarth	<50	<250	<100	--	--	--	--
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
MW27	MW27-20151210	12/10/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW27-20160307	03/07/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW27-20160713	07/13/16	SoundEarth	<52	<260	<100	<0.35	<1	<1	<3
	MW27-20161019	10/19/16	SoundEarth	<50	<250	<100	--	--	--	--
	MW27-20170124	01/24/17	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	MW27-20170531	05/31/17	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	MW27-20170921	09/21/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW27-20171214	12/14/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW27-20180308	03/08/18	SoundEarth	540[x]	<250	<100	<1	<1	<1	<3
	MW27-20180628	06/28/18	SoundEarth	<60	<300	<100	<1	<1	<1	<3
	MW27-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW27-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW27-20190614	06/14/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW27-20191205	12/05/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW27-20200626	06/26/20	SoundEarth	<50	<250	<100	<1	<1	<1	<3
Terry Avenue North										
MW15	MW15-20121211	12/11/12	SoundEarth	--	--	<100	<0.35	<1	<1	<3
	MW15-20130910	09/10/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW15-20150508	05/08/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20150805	08/05/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20151209	12/09/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20160308	03/08/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20160713	07/13/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20161018	10/18/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20170125	01/25/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20170531	05/31/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20170922	09/22/17	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	MW15-20171215	12/15/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW15-20180309	03/09/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW15-20180629	06/29/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW15-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW15-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW15-20190613	06/13/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW15-20191205	12/05/19	SoundEarth	78[x]	<250	<100	<1	<1	<1	<3
	MW15-20200626	06/26/20	SoundEarth	<52	<250	<100	<1	<1	<1	<3
	Well Damaged 2021									
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
Thomas Street										
MW14	MW14-20111020	10/20/11	SoundEarth	160[x]	<250	<100	<1	<1	<1	<3
	MW14-20130911	09/11/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED									
MW16	MW16-20121211	12/11/12	SoundEarth	420[x]	<250	640	<0.35	<1	<1	1.1
	MW16-20130911	09/11/13	SoundEarth	170[x]	<250	110	<1	<1	<1	<3
	MW16-20150508	05/08/15	SoundEarth	150[x]	<250	<100	<0.35	<1	<1	<3
	MW16-20150805	08/05/15	SoundEarth	210[x]	<250	<100	<0.35	<1	<1	<3
	MW16-20151210	12/10/15	SoundEarth	420[x]	<250	110	<0.35	<1	<1	<3
	MW16-20160308	03/08/16	SoundEarth	410[x]	<250	140	<0.35	<1	<1	<3
	MW16-20160712	07/12/16	SoundEarth	**510**[x]	<250	130	<0.35	<1	<1	<3
	MW16-20161019	10/19/16	SoundEarth	310[x]	<250	<100	--	--	--	--
	MW16-20170125	01/25/17	SoundEarth	140[x]	<250	<100	<0.35	<1	<1	<3
	MW16-20170531	05/31/17	SoundEarth	**740**[x]	<250	140	<0.35	<1	<1	<3
	MW16-20170922	09/22/17	SoundEarth	**570**	<250	130	<0.35	<1	<1	<3
	MW16-20171229	12/29/17	SoundEarth	160[x]	<250	120	<0.35	<1	<1	<3
	MW16-20180309	03/09/18	SoundEarth	260[x]	<250	120	<1	<1	<1	<3
	WELL DAMAGED 2018									
MW28	MW28-20190613	06/13/19	SoundEarth	140[x]	<250	160	<1	<1	<1	<3
	MW28-20191205	12/05/19	SoundEarth	98[x]	<250	150	<1	<1	<1	<3
	MW28-20200626	06/26/20	SoundEarth	120[x]	<250	140	<1	<1	<1	<3
	MW28-20201211	12/11/20	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW28-20210623	06/23/21	SoundEarth	120[x]	<250	<100	<1	<1	<1	<3
	MW28-20211216	12/16/21	SoundEarth	190[x]	600	<100	--	--	--	--
	MW28-20220609	06/09/22	SoundEarth	190	350	<100	--	--	--	--
Fairview Avenue North										
MW-C	MW-C-20130911	09/11/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
Harrison Street										
MW01	MW01-20110525	05/25/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20111011	10/11/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20130910	09/10/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20150806	08/06/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW01-20160308	03/08/16	SoundEarth	<65	<330	<100	<0.35	<1	<1	<3
	MW01-20160712	07/12/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW01-20161018	10/18/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW01-20170124	01/24/17	SoundEarth	<25	<125	<100	<0.35	<1	<1	<3
	MW01-20170531	05/31/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW01-20171214	12/14/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW01-20180309	03/09/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20180628	06/28/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20190614	06/14/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20191205	12/05/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW01-20200626	06/26/20	SoundEarth	57[x]	<250	<100	<1	<1	<1	<3
MW02	MW02-20110525	05/25/11	SoundEarth	100[x]	<250	<100	<1	<1	<1	<3
	MW02-20111011	10/11/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW02-20130911	09/11/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2015									
MW03	MW03-20110527	05/27/11	SoundEarth	130[x]	<250	<100	<1	<1	<1	<3
	MW03-20111011	10/11/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW03-20130911	09/11/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	DECOMMISSIONED 2015									
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[(1)] (µg/L)	ORPH[(1)] (µg/L)	GRPH[(2)] (µg/L)	Benzene[(3)] (µg/L)	Toluene[(3)] (µg/L)	Ethylbenzene[(3)] (µg/L)	Total Xylenes[(3)] (µg/L)
MW26	MW26-20151210	12/10/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW26-20160307	03/07/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW26-20160712	07/12/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW26-20161018	10/18/16	SoundEarth	59[x]	<250	<100	<0.35	<1	<1	<3
	MW26-20170124	01/24/17	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	MW26-20170531	05/31/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW26-20170921	09/21/17	SoundEarth	130[x]	<250	<100	<0.35	<1	<1	<3
	MW26-20171214	12/14/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW26-20180309	03/09/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW26-20180628	06/28/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW26-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW26-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW26-20190614	06/14/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW26-20191205	12/05/19	SoundEarth	**680**[x]	<250	<100	<1	<1	<1	<3
	MW26-20200626	06/26/20	SoundEarth	<50	<250	<100	<1	<1	<1	<3
SMW06	SMW06-20130910	09/10/13	SoundEarth	130[x]	<250	400	<1	<1	3.5	3.7
Westlake Avenue North										
SMW09	SMW09-20130910	09/10/13	SoundEarth	79[x]	<250	<100	<1	<1	<1	<3
North-Adjoining Property										
SLU-MW01	MW01-20120229	02/29/12[(6)]	SoundEarth	150	<250	--	--	--	--	--
	DECOMMISSIONED 2013									
SLU-MW02	MW02-20120229	02/29/12[(6)]	SoundEarth	<50	<250	--	--	--	--	--
	DECOMMISSIONED 2013									
MTCA Cleanup Level				**500[(4)]**	**500[(4)]**	**1,000/800[(4)(5)]**	**5[(4)]**	**1,000[(4)]**	**700[(4)]**	**1,000[(4)]**

NOTES:

Red denotes concentrations exceeding the MTCA Method cleanup level for groundwater.

[(1)]Analyzed by Method NWTPH-Dx. The supply well samples collected in August 2010 were passed through a silica gel column prior to analysis to remove organic interference.

[(2)]Analyzed by EPA Method 418.1 or Method NWTPH-Gx.

[(3)]Analyzed by EPA Method 8260C, 8021B or 8240.

[(4)]MTCA Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of WAC, revised November 2007.

[(5)]1,000 µg/L when benzene is not present and 800 µg/L when benzene is present.

[(6)]Sample data compiled from reports on file at the Washington State Department of Ecology.

Laboratory Notes:

[cf]The sample was centrifuged prior to analysis.

[ip]Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

[ve]The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

[x]The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

-- = not analyzed, measured, or calculated

< = not detected at a concentration exceeding laboratory reporting limit

µg/L = micrograms per liter

DRPH = diesel-range petroleum hydrocarbons

EPA = US Environmental Protection Agency

GRPH = gasoline-range petroleum hydrocarbons

MTCA = Washington State Model Toxics Control Act

NWTPH = Northwest Total Petroleum Hydrocarbon

ORPH = heavy oil-range petroleum hydrocarbons

SoundEarth = SoundEarth Strategies, Inc.

WAC = Washington Administrative Code

Table 4
Natural Attenuation Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	Analytical Results										
			Dissolved Oxygen[1] (mg/L)	Chloride[2] (mg/L)	Nitrate[2] (mg/L)	Total Manganese[3] (µg/L)	Total Iron[3] (mg/L)	Ferrous Iron[4] (mg/L)	Ferric Iron[5] (mg/L)	Sulfate[2] (mg/L)	Methane[6] (µg/L)	Ethane[6] (µg/L)	Ethene[6] (µg/L)
Troy Laundry Property													
MW18	MW18-20150506	05/06/15	1.99	16.2	5.44	83.7	0.0919	0.0400	0.0519	47.0	<5	<10	<10
	MW18-20150803	08/03/15	2.66	--	--	--	--	--	--	--	--	--	--
	MW18-20151208	12/08/15	1.64	--	--	--	--	--	--	43.6	<5	<10	<10
	MW18-20160714	07/14/16	0.47	--	--	--	--	--	--	1.54	170	<10	<10
	MW18-20170126	01/26/17	1.50	--	--	--	--	--	--	--	2,200	<10	<10
	MW18-20170601	06/01/17	0.58	19.2[D]	--	--	--	--	--	--	3,500	<10	<10
	MW18-20170923	09/23/17	0.48	15.4[D]	--	--	--	--	--	--	3,900	<10	<10
	MW18-20171216	12/16/17	0.77	21.5[D]	--	--	--	--	--	--	2,400	<10	<10
	MW18-20180310	03/10/18	0.38	19.0[D]	--	--	--	--	--	--	4,700	<10	<10
	MW18-20180630	06/30/18	0.68	17.0[D]	--	--	--	--	--	--	6,300	<10	<10
	MW18-20180922	09/22/18	0.19	17.4[D]	--	--	--	--	--	--	4,200[ve]	<10	<10
	MW18-20181215	12/15/18	0.62	--	<1.00[D,H]	10,800	12.300	<0.0500[H]	--	<3.00[D]	6,400	<10	<10
	MW18-20190615	06/15/19	0.30	--	<0.100[H]	10,100	13.500	8.35[DH]	--	0.422[H]	5,290[D]	<809[D]	<757[D]
	MW18-20191207	12/07/19	0.69	--	<0.100[H]	9,660	13.800	15.6[DH]	--	<0.300	2,230[D]	<16.2	<15.1
	MW18-20200627	06/27/20	0.18	--	<0.100[H]	8,960	14.300	19.9[DH]	--	0.479	5,520[D]	<16.2	<15.1
	MW18-20201212	12/12/20	2.98	--	<0.100[H]	7,980	12.900	17.6[DH]	--	6.23	8,780[D]	<16.2	<15.1
	MW18-20210625	06/25/21	0.91	--	--	8,900	13.900	16.3[DH]	--	<3.00[D]	5,190[D]	<15.1	<14.6
	MW18-20211217	12/17/21	0.13	--	<0.100[H]	9,610	15.700	11.0[DH]	--	<0.600	8,110[D]	<15.1	<14.6
	MW18-20220609	06/09/22	0.30	--	<0.500[DH]	9,920	15.800	17.3[DH]	--	<3.00[D]	12,900[D]	<15.1	<14.6
MW19	MW19-20150507	05/07/15	1.75	15.9	4.98	71.6	0.156	<0.0300	0.156	50.3	<5	<10	<10
	MW19-20150803	08/03/15	2.33	--	--	--	--	--	--	--	--	--	--
	MW19-20190615	06/15/19	0.28	--	<0.100[H]	11,400	10.000	7.81[DH]	--	0.380[H]	2,530[D]	<324[D]	<303[D]
	MW19-20191207	12/07/19	0.54	--	<0.100[H]	9,030	13.300	12.6[DH]	--	<0.300	6,520[D]	<16.2	<15.1
	MW19-20200627	06/27/20	0.27	--	<0.100[H]	14,000	18.100	24.3[DH]	--	0.550	3,410[D]	<16.2	<15.1
	MW19-20201212	12/12/20	11.88*	--	<0.100[H]	14,400	16.700	22.3[DH]	--	1.15	9,010[D]	<16.2	<15.1
	MW19-20210625	06/25/21	0.81	--	--	15,200	18.200	14.5[DH]	--	<2.40[D]	5,840[D]	<15.1	<14.6
	MW19-20211217	12/17/21	0.08	--	<0.200[D,H]	12,600	15.900	14.1[DH]	--	<1.20[D]	6,600[D]	<15.1	<14.6
	MW19-20220609	06/09/22	0.35	--	<0.500[D,H]	9,700	16.900	24.2[DH]	--	<3.00[D]	6,700[D]	<15.1	<14.6
MW21	MW21-20170601	06/01/17	0.54	26.2[D]	--	--	--	--	--	--	3,500	<10	<10
	MW21-20170923	09/23/17	0.69	33.5[D]	--	--	--	--	--	--	4,000	<10	<10
	MW21-20171216	12/16/17	2.67	85.7[D]	--	--	--	--	--	--	4,800	<10	<10
	MW21-20180310	03/10/18	0.71	89.2[D]	--	--	--	--	--	--	5,400	<10	<10
	MW21-20180630	06/30/18	0.34	124[D]	--	--	--	--	--	--	4,400	<10	<10
	MW21-20180922	09/22/18	0.33	97.8[D]	--	--	--	--	--	--	2,800[ve]	<10	<10
	MW21-20181215	12/15/18	1.57	--	--	--	--	--	--	--	4,800	<10	<10
	MW21-20190615	06/15/19	0.19	--	--	--	--	--	--	--	2,460[D]	<809[D]	<757[D]
	MW21-20191207	12/07/19	0.77	--	--	--	--	--	--	--	3,980[D]	<16.2	<15.1
	MW21-20200627	06/27/20	0.17	--	--	--	--	--	--	--	1,790[D]	<16.2	<15.1
	MW21-20201212	12/12/20	0.20	--	--	--	--	--	--	--	7,520[D]	<16.2	<15.1
	MW21-20210625	06/25/21	0.49	--	--	--	--	--	--	--	4,970[D]	<15.1	<14.6
	MW21-20211217	12/17/21	0.68	--	--	--	--	--	--	--	5,020[D]	<15.1	<14.6
	MW21-20220609	06/09/22	0.30	--	--	--	--	--	--	--	6,570[D]	<15.1	<14.6

Table 4
Natural Attenuation Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	Analytical Results										
			Dissolved Oxygen[1] (mg/L)	Chloride[2] (mg/L)	Nitrate[2] (mg/L)	Total Manganese[3] (µg/L)	Total Iron[3] (mg/L)	Ferrous Iron[4] (mg/L)	Ferric Iron[5] (mg/L)	Sulfate[2] (mg/L)	Methane[6] (µg/L)	Ethane[6] (µg/L)	Ethene[6] (µg/L)
MW22	MW22-20181215	12/15/18	0.67	--	1.09[D,H]	13,000	6.010	4.06[D,H]	--	<3.00[D]	4,900	<10	<10
	MW22-20190615	06/15/19	0.38	--	<1.00[H]	11,400	11.200	11.6[D,H]	--	<0.300[H]	3,090[D]	<809[D]	<757[D]
	MW22-20191207	12/07/19	2.02	--	<0.200[DH]	10,900	8.010	7.41	--	0.762[D]	5,370[D]	<16.2	<15.1
	MW22-20200627	06/27/20	0.40	--	<0.200[DH]	9,810	8.000	11.0[DH]	--	<0.600[D]	1,780[D]	<16.2	<15.1
	MW22-20201212	12/12/20	0.31	--	<0.200[DH]	10,800	15.000	22.0[DH]	--	<0.600[D]	6,290[D]	<16.2	<15.1
	MW22-20210625	06/25/21	0.55	--	--	11,000	11.700	14.9[DH]	--	<6.00[D]	2,560[D]	<15.1	<14.6
	MW22-20211217	12/17/21	0.68	--	<0.500[DH]	10,600	11.800	16.4[DH]	--	<3.00[D]	4,510[D]	<15.1	<14.6
	MW22-20220609	06/09/22	0.35	--	<0.500[DH]	10,600	14.500	19.0[DH]	--	<3.00[D]	4,070[D]	<15.1	<14.6
MW23	MW23-20150507	05/07/15	2.19	30.9	8.84	173	0.262	0.0800	0.182	49.2	<5	<10	<10
	MW23-20150804	08/04/15	0.73	--	--	--	--	--	--	--	--	--	--
	MW23-20170601	06/01/17	0.49	25.8[D]	--	--	--	--	--	--	2,600	<10	<10
	MW23-20170923	09/23/17	0.46	10.5[D]	--	--	--	--	--	--	1,700	<10	<10
	MW23-20171216	12/16/17	0.84	30.9[D]	--	--	--	--	--	--	3,700	<10	<10
	MW23-20180310	03/10/18	2.25	26.1[D]	--	--	--	--	--	--	3,900	<10	<10
	MW23-20180630	06/30/18	0.70	21.1[D]	--	--	--	--	--	--	3,400	<10	<10
	MW23-20180922	09/22/18	0.31	20.3[D]	--	--	--	--	--	--	4,600[ve]	<10	<10
	MW23-20181215	12/15/18	0.79	--	<1.00[D,H]	32,300	14.300	3.95[D,H]	--	<3.00[D]	3,800	<10	<10
	MW23-20190615	06/15/19	0.50	--	<0.100[H]	26,700	12.300	13.0[DH]	--	0.378[H]	2,900[D]	<809[D]	<757[D]
	MW23-20191207	12/07/19	2.12	--	<0.200[DH]	22,100	14.600	7.41[DH]	--	0.762[D]	5,370[D]	<16.2	<15.1
	MW23-20200627	06/27/20	0.18	--	<0.100[H]	16,500	9.070	12.6[DH]	--	0.508	4,590[D]	<16.2	<15.1
	MW23-20201212	12/12/20	0.29	--	<0.200[DH]	15,200	12.700	16.8[DH]	--	0.634[D]	10,100[D]	<16.2	<15.1
	MW23-20210625	06/25/21	0.29	--	--	14,600	10.400	13.6[DH]	--	<3.00[D]	3,840[D]	<15.1	<14.6
	MW23-20211217	12/17/21	0.39	--	<0.200[DH]	11,700	11.500	15.2[DH]	--	<1.20[D]	4,990[D]	<15.1	<14.6
MW24	MW24-20150506	05/06/15	1.04	16.7	1.93	18.2	0.0714	0.0300	0.0414	16.3	<5	<10	<10
	MW24-20150804	08/04/15	0.45	--	--	--	--	--	--	--	--	--	--
	MW24-20151208	12/08/15	1.00	--	--	--	--	--	--	15.8	<5	<10	<10
	MW24-20160715	07/15/16	0.29	--	--	--	--	--	--	1.56	13[jl]	<10	<10
	MW24-20170125	01/25/17	1.10	--	--	--	--	--	--	<1.50	2,100	<10	<10
	MW24-20170601	06/01/17	0.38	16.0[D]	--	--	--	--	--	--	4,500	<10	<10
	MW24-20170924	09/24/17	0.27	19.4[D]	--	--	--	--	--	--	2,800	<10	<10
	MW24-20171216	12/16/17	2.69	22.4[D]	--	--	--	--	--	--	3,600	<10	<10
	MW24-20180310	03/10/18	0.70	20.2[D]	--	--	--	--	--	--	3,900[ve]	<10	<10
	MW24-20180630	06/30/18	0.44	13.6[D]	--	--	--	--	--	--	1,800	<10	<10
	MW24-20180630	06/30/18	3.20	30.4[D]	--	--	--	--	--	--	1,300	<10	<10
	MW24-20181215	12/15/18	0.44	--	<1.00[D,H]	17,400	11.300	1.53[H]	--	<3.00[D]	3,600	<10	<10
	MW24-20190615	06/15/19	0.29	--	<0.100[H]	21,900	11.600	11.1[DH]	--	0.348[H]	2,660[D]	<809[D]	<757[D]
	MW24-20191207	12/07/19	0.66	--	<0.100[H]	20,700	10.700	10.6[DH]	--	<0.300	3,960[D]	<16.2	<15.1
	MW24-20200627	06/27/20	0.26	--	<0.100[H]	21,900	9.830	15.9[DH]	--	0.309	5,460[D]	<16.2	<15.1
	MW24-20201212	12/12/20	2.03	--	<0.100[H]	20,900	13.500	17.8[DH]	--	0.300	4,170[D]	<16.2	<15.1
	MW24-20210625	06/25/21	0.93	--	--	24,500	18.300	21.9[DH]	--	<3.00[D]	6,190[D]	<15.1	<14.6
	MW24-20211217	12/17/21	0.12	--	<0.200[DH]	26,500	14.800	18.7[DH]	--	<1.20[D]	7,660[D]	<15.1	<14.6
	MW24-20220609	06/09/22	0.32	--	<0.500[DH]	20,800	12.600	16.3[DH]	--	<3.00[D]	5,440[D]	<15.1	<14.6

Table 4
Natural Attenuation Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	Analytical Results										
			Dissolved Oxygen[1] (mg/L)	Chloride[2] (mg/L)	Nitrate[2] (mg/L)	Total Manganese[3] (µg/L)	Total Iron[3] (mg/L)	Ferrous Iron[4] (mg/L)	Ferric Iron[5] (mg/L)	Sulfate[2] (mg/L)	Methane[6] (µg/L)	Ethane[6] (µg/L)	Ethene[6] (µg/L)
MW25	MW25-20150507	05/07/15	2.87	21.8	8.32	190	1.850	0.190[RA]	1.66	56.7	<5	<10	<10
	MW25-20150805	08/06/15	1.47	--	--	--	--	--	--	--	--	--	--
	MW25-20181215	12/15/18	0.69	--	<1.00[D,H]	14,600	9.970	<0.0500[H]	--	<3.00[D]	8,900	<10	<10
	MW25-20190615	06/15/19	0.59	--	<0.100[H]	9,560	12.300	7.60[DH]	--	0.380[H]	9,670[DE]	<324[D]	<303[D]
	MW25-20191207	12/07/19	0.63	--	<0.100[H]	6,850	13.500	13.8[DH]	--	<0.300	7,480[D]	<16.2	<15.1
	MW25-20200627	06/27/20	0.23	--	<0.100[H]	5,290	15.100	20.1[DH]	--	0.473	10,200[D]	<16.2	<15.1
	MW25-20201212	12/12/20	23.36*	--	<0.100[H]	7,390	16.200	21.6[DH]	--	0.342	5,690[D]	<16.2	<15.1
	MW25-20210625	06/25/21	0.82	--	--	8,010	19.300	25.6[DH]	--	<3.00[D]	7,390[D]	<15.1	<14.6
	MW25-20211217	12/17/21	0.24	--	<0.200[D,H]	8,390	15.500	18.8[DH]	--	4.71[D]	3,960[D]	<15.1	<14.6
	MW25-20220609	06/09/22	0.37	--	<0.500[D,H]	9,180	8.990	6.18[DH]	--	21.7[D]	6,990[D]	<15.1	<14.6
IW04	IW04-20150508	05/08/15	6.28*	10.8	3.75	12.0	0.230	<0.0300	0.230	34.1	<5	<10	<10
	IW04-20181215	12/15/18	0.64	--	1.03[D,H]	11,800	19.700	0.169[H]	--	8.89[D]	--	--	--
	IW04-20190615	06/15/19	0.24	--	<0.100[H]	12,900	17.900	0.0865[H]	--	0.759	--	--	--
	IW04-20191207	12/07/19	0.98	--	<0.200[DH]	11,700	15.600	<0.0500	--	0.912[D]	--	--	--
	IW04-20200627	06/27/20	5.31*	--	<0.100[H]	10,600	16.400	25.3[DH]	--	0.492	--	--	--
	IW04-20201212	12/12/20	2.00	--	<0.100[H]	11,100	16.500	18.5[DH]	--	0.347	--	--	--
	IW04-20210625	06/25/21	0.76	--	--	11,200	16.800	23.3[DH]	--	<3.00[D]	--	--	--
	IW04-20211217	12/17/21	0.19	--	<0.100[H]	11,500	15.800	23.1[DH]	--	<0.600	--	--	--
	IW04-20220609	06/09/22	0.35	--	<0.500[DH]	10,600	16.200	22.2[DH]	--	<3.00[D]	--	--	--
IW50	IW50-20170602	06/02/17	0.60	29.9[D]	--	--	--	--	--	--	3,700	<10	<10
	IW50-20170924	09/24/17	0.24	16.1[D]	--	--	--	--	--	--	3,200	<10	<10
	IW50-20171216	12/16/17	2.71	20.5[D]	--	--	--	--	--	--	5,900	<10	<10
	IW50-20180310	03/10/18	0.40	20.5[D]	--	--	--	--	--	--	5,100	<10	<10
	IW50-20180630	06/30/18	0.31	23.8[D]	--	--	--	--	--	--	2,700	<10	<10
	IW50-20180922	09/22/18	0.66	22.3[D]	--	--	--	--	--	--	4,000[ve]	<10	<10
	IW50-20181215	12/15/18	1.28	--	<1.00[D,H]	11,900	10.300	1.88[H]	--	12.1[D]	6,100	<10	<10
	IW50-20190615	06/15/19	0.38	--	<0.100[H]	9,670	7.550	7.08[DH]	--	11.0	3,110[D]	<324[D]	<303[D]
	IW50-20191207	12/07/19	1.02	--	<0.100[H]	8,090	7.170	7.46[DH]	--	11.0	4,120[D]	<16.2	<15.1
	IW50-20200627	06/27/20	8.61*	--	0.232[H]	15,800	16.900	25.0[DH]	--	2.47	3,690[D]	<16.2	<15.1
	IW50-20201212	12/12/20	0.24	--	<0.400[DH]	13,200	18.000	24.2[DH]	--	1.34[D]	13.500[D]	<16.2	<15.1
	IW50-20210625	06/25/21	0.17	--	--	13,400	16.400	24.8[DH]	--	<3.00[D]	3,920[D]	<15.1	<14.6
	IW50-20211217	12/17/21	0.05	--	<0.200	15,500	17.000	22.4[DH]	--	<1.20D	6,890[D]	<15.1	<14.6
	IW50-20220609	06/09/22	0.32	--	<0.500[DH]	13,400	12.900	19.3[DH]	--	<3.00[D]	5,340[D]	<15.1	<14.6
IW61	IW61-20170602	06/02/17	0.49	7.18[D]	--	--	--	--	--	--	4,900	<10	<10
	IW61-20170923	09/23/17	0.79	9.25[D]	--	--	--	--	--	--	4,400	<10	<10
	IW61-20171216	12/16/17	0.79	11.0[D]	--	--	--	--	--	--	3,000	<10	<10
	IW61-20180310	03/10/18	1.28	17.8[D]	--	--	--	--	--	--	3,400	<10	<10
	IW61-20180630	06/30/18	0.39	15.3[D]	--	--	--	--	--	--	2,900	<10	<10
	IW61-20180922	09/22/18	0.17	11.4[D]	--	--	--	--	--	--	5,400[ve]	<10	<10
	IW61-20181215	12/15/18	0.73	--	<1.00[D,H]	20,100	50.500	8.83[D,H]	--	<3.00[D]	5,500	<10	<10
	IW61-20190615	06/15/19	0.32	--	<0.100[H]	11,800	25.500	30.5[D,H]	--	0.338	2,440[D]	<324[D]	<303[D]
	IW61-20191207	12/07/19	0.82	--	<0.100[H]	11,000	22.300	24.8[D,H]	--	<0.300	3,860[D]	<16.2	<15.1
	IW61-20200627	06/27/20	0.23	--	<0.100[H]	10,300	24.400	38.1[D,H]	--	0.615	3,100[D]	<16.2	<15.1
	IW61-20201212	12/12/20	0.34	--	<0.100[H]	12,600	25.700	32.8[D,H]	--	<0.300	4,580[D]	<16.2	<15.1
	IW61-20210625	06/25/21	0.25	--	--	13,000	24.500	31.5[D,H]	--	<3.00[D]	2,430[D]	<15.1	<14.6
	IW61-20211217	12/17/21	0.43	--	0.248[D,H]	12,300	20.600	30.4[D,H]	--	<1.20[D]	5,040[D]	<15.1	<14.6
	IW61-20220609	06/09/22	0.78	--	<0.500[D,H]	13,200	20.700	29.0[D,H]	--	<3.00[D]	4,120[D]	<15.1	<14.6

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Seattle, Washington

Well Identification	Sample Identification	Sample Date	Analytical Results										
			Dissolved Oxygen[1] (mg/L)	Chloride[2] (mg/L)	Nitrate[2] (mg/L)	Total Manganese[3] (µg/L)	Total Iron[3] (mg/L)	Ferrous Iron[4] (mg/L)	Ferric Iron[5] (mg/L)	Sulfate[2] (mg/L)	Methane[6] (µg/L)	Ethane[6] (µg/L)	Ethene[6] (µg/L)
Boren Avenue North													
MW04	MW04-20110527	05/27/11	6.24	--	--	--	--	--	--	--	--	--	--
	MW04-20111012	10/12/11	6.17	--	--	--	--	--	--	--	--	--	--
	MW04-20130909	09/09/13	5.49	--	--	--	--	--	--	--	--	--	--
	MW04-20150508	05/08/15	0.433	29.9	16.7	3.32	0.0667	<0.0300	0.0667	45.6	<5	<10	<10
	MW04-20150806	08/06/15	6.09	--	--	--	--	--	--	--	--	--	--
	MW04-20181214	12/14/18	4.83	--	17.9[D,H]	22.9	0.506	0.0677[H]	--	43.2[D]	<5	<10	<10
	MW04-20190614	06/14/19	4.15	--	14.8[D,H]	15.9	0.327	0.129	--	46.7[D]	<8.63	<16.2	<15.1
	MW04-20191205	12/05/19	7.97	--	24.4[D,H]	7.59	0.254	<0.0500	--	41.4[D]	<8.63	<16.2	<15.1
	MW04-20200626	06/26/20	7.78	--	6.32[D,H]	3.63	0.158	<0.0500[H]	--	40.7[D]	107	<16.2	<15.1
	MW04-20201211	12/11/20	6.63	--	7.14[D,H]	11.6	0.388	<0.0500[H]	--	40.0[D]	<8.63	<16.2	<15.1
	MW04-20210623	06/23/21	2.23	--	4.86[D]	24.1	1.630	<0.100[H]	--	41.9[D]	<6.75	<15.1	<14.6
	MW04-20211215	12/15/21	1.07	--	9.95[D,H]	2.26	0.104	<0.100	--	33.1[D]	<6.75	<15.1	<14.6
	MW04-20220607	06/07/22	5.75	--	24.6[D,H]	<10	<0.5	<0.100	--	35.7[D]	<6.75	<15.1	<14.6
MW07	MW07-20110531	05/31/11	5.70	--	--	--	--	--	--	--	--	--	--
	MW07-20111012	10/12/11	2.92	--	--	--	--	--	--	--	--	--	--
	MW07-20130909	09/09/13	2.71	--	--	--	--	--	--	--	--	--	--
	MW07-20150508	05/08/15	4.79	34.5	30.1	18.2	0.0825	<0.0300	0.0825	41.1	<5	<10	<10
	MW07-20150805	08/05/15	4.65	--	--	--	--	--	--	--	--	--	--
	MW07-20170531	05/31/17	4.45	27.9[D]	--	--	--	--	--	--	<5	<10	<10
	MW07-20180308	03/08/18	7.75	23.3[D]	--	--	--	--	--	--	<5	<10	<10
	MW07-20180629	06/29/18	7.38	32.5[D]	--	--	--	--	--	--	<5	<10	<10
	MW07-20180920	09/20/18	8.76	28.7[D]	--	--	--	--	--	--	<5	<10	<10
	MW07-20181214	12/14/18	7.57	--	26.5[D,H]	13.5	0.117	0.0959[H]	--	56.1[D]	<5	<10	<10
	MW07-20190614	06/14/19	7.91	--	29.1[D,H]	9.26	0.225	0.0818	--	51.0[D]	<8.63	<16.2	<15.1
	MW07-20191205	12/05/19	6.85	--	34.9[D,H]	5.89	203	0.0654[H]	--	49.6[D]	<8.63	<16.2	<15.1
	MW07-20200630	06/30/20	4.95	--	--	6.24	0.111	<0.0500[H]	--	41.7[D]	<8.63	<16.2	<15.1
	MW07-20201210	12/10/20	1.39	--	13.4[D,H]	3.91	0.0926	<0.0500[H]	--	30.7[D]	328[D]	<16.2	<15.1
	MW07-20210623	06/23/21	4.91	--	14.0[D,H]	15.2	0.166	<0.100[H]	--	32.0[D]	317[D]	<15.1	<14.6
	MW07-20211215	12/15/21	1.12	--	9.72[D,H]	8.50	0.133	<0.100	--	17.4[D]	<6.75	<15.1	<14.6
	MW07-20220607	06/07/22	7.57	--	34.8[D,H]	86.5	<0.5	<0.100	--	38.7[D]	<6.75	<15.1	<14.6
MW13	MW13-20111020	10/20/11	2.12	--	--	--	--	--	--	--	--	--	--
	MW13-20130910	09/10/13	3.67	--	--	--	--	--	--	--	--	--	--
	MW13-20150511	05/11/15	4.71	32.9	5.07	2.770	73.200	4.60	68.60	44.5	<5	<10	<10
	MW13-20150805	08/05/15	3.91	--	--	--	--	--	--	--	--	--	--
	MW13-20211216	12/16/21	4.30	--	--	--	--	--	--	--	--	--	--

Table 4
Natural Attenuation Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	Analytical Results										
			Dissolved Oxygen[1] (mg/L)	Chloride[2] (mg/L)	Nitrate[2] (mg/L)	Total Manganese[3] (µg/L)	Total Iron[3] (mg/L)	Ferrous Iron[4] (mg/L)	Ferric Iron[5] (mg/L)	Sulfate[2] (mg/L)	Methane[6] (µg/L)	Ethane[6] (µg/L)	Ethene[6] (µg/L)
Thomas Street													
MW16	MW16-20130911	09/11/13	3.64	--	--	--	--	--	--	--	--	--	--
	MW16-20150508	05/08/15	0.68	27.6	0.694	484	0.488	0.0700	0.4180	7.28	<5	<10	<10
	MW16-20150805	08/05/15	0.40	--	--	--	--	--	--	--	--	--	--
	MW16-20151210	12/10/15	0.73	--	--	--	--	--	--	8.09	<5	<10	<10
	MW16-20160712	07/12/16	0.47	--	--	--	--	--	--	4.57	2,500[ve]	<10	<10
	MW16-20170125	01/25/17	0.46	--	--	--	--	--	--	14.2	530	<10	<10
	MW16-20170531	05/31/17	0.65	11.6[D]	--	--	--	--	--	--	25	<10	<10
	MW16-20170922	09/22/17	0.72	10.2[D]	--	--	--	--	--	--	8	<10	<10
	MW16-20171229	12/29/17	2.13	15.2[D]	--	--	--	--	--	--	340	<10	<10
	MW16-20180309	03/09/18	0.23	11.8[D]	--	--	--	--	--	--	6.5	<10	<10
	WELL DAMAGED 2018												
MW28	MW28-20190613	06/13/19	1.08	--	<0.500[D,H]	1,140	1.100	1.02[H]	--	2.10[D]	15.3	<16.2	<15.1
	MW28-20191204	12/04/19	0.24	--	<0.200[D,H]	651	1.550	1.26[H]	--	<0.600[D]	59	<16.2	<15.1
	MW28-20200626	06/26/20	0.55	--	<0.200[D,H]	452	1.450	1.48[H]	--	0.391	43.8	<16.2	<15.1
	MW28-20201211	12/11/20	1.47	--	<0.200[D,H]	470	0.576	0.359[H]	--	0.748[D]	72.3	<16.2	<15.1
	MW28-20210623	06/23/21	3.67	--	<0.100[H]	617	1.340	1.28[H]	--	9.58	53.2	<15.1	<14.6
	MW28-20211216	12/16/21	0.44	--	0.110[J,D,H]	744	7.380	1.17[H]	--	8.39[D]	143	<15.1	<14.6
	MW28-20220609	06/09/22	1.12	--	<0.500[D,H]	678	2.840	1.14[H]	--	7.32[D]	34.3	<15.1	<14.6
Harrison Street													
MW26	MW26-20181214	12/14/18	0.62	--	5.06[D,H]	35.4	0.134	0.133[H]	--	34.2[D]	1,500	<10	<10
	MW26-20190614	06/14/19	0.59	--	7.10[D,H]	62.1	0.29	0.136	--	45.0[D]	4,120[D]	<324[D]	<303[D]
	MW26-20191205	12/05/19	0.7	--	1.74[D]	906	4.830	6.12[D,H]	--	27.8[D]	3.80[D]	<16.2	<15.1
	MW26-20200626	06/26/20	0.19	--	0.208[H]	806	0.656	0.595[H]	--	37.4[D]	1,340[D]	<16.2	<15.1
	MW26-20201211	12/11/20	0.64	--	<0.100[H]	605	0.230	0.195[H]	--	19.5[D]	263[D]	<16.2	<15.1
	MW26-20210623	06/23/21	0.33	--	<0.400[D,H]	579	0.497	0.382[H]	--	32.5[D]	12.9	<15.1	<14.6
	MW26-20211215	12/15/21	0.55	--	<0.100[H]	496	0.371	0.126[H]	--	29.3[D]	83.7	<15.1	<14.6
	MW26-20220608	06/08/22	5.92	--	<3.00[DH]	587	7.330	1.17[H]	--	17.8[D]	8.05	<15.1	<14.6

NOTES:

Analyses performed by Friedman & Bruya, Inc. or Fremont Analytical Inc. of Seattle, Washington.

[1]Parameter is measured in the field using water quality meter with flow-through cell. The reported value is the last reading prior to sampling groundwater.

[2]Analyzed by EPA Method 300.0.

[3]Analyzed by EPA Method 200.8.

[4]Analyzed by Standard Method 3500-Fe B.

[5]Ferric iron concentration = total iron concentration – ferrous iron concentration.

[6]Analyzed by Method RSK-175.

Laboratory Notes:

[D]Dilution was required.

[H]Holding times for preparation or analysis exceeded.

[J]Analyte detected below Reporting Limit.

[jl] The analyte result in the laboratory control sample is out of control limits. The reported concentrations is an estimate.

[RA] Indicates reanalysis with background correction for turbidity.

[ve] They analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

* Anomalous reading, attributed to meter error.

-- = not measured/ not applicable

< = not detected at a concentration exceeding the laboratory reporting limit

µg/L = micrograms per liter

EPA = US Environmental Protection Agency

mg/L = milligrams per liter

Table 5
Geochemical and Water Quality Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	pH[(1)]	ORP[(1)] (mV)	Dissolved Oxygen[(1)] (mg/L)	Specific Conductivity[(1)] (mS/cm)	Turbidity[(1)] (NTU)	Temperature[(1)] (°C)	Alkalinity[(2)] (mg/L $CaCO_3$)	Total Organic Carbon[(3)] (mg/L)
Troy Laundry Property										
MW17	MW17-20150506	05/06/15	6.87	169.0	3.30	0.387	1.01	14.53	--	--
	MW17-20150804	08/04/15	6.17	129.0	4.45	0.477	2.61	15.52	--	--
	MW17-20151207	12/07/15	6.89	221.5	4.12	0.398	3.3	14.60	--	--
	MW17-20160308	03/08/16	6.67	160	1.39	0.365	0.8	14.30	--	--
	MW17-20160714	07/14/16	6.62	51.1	3.59	0.355	1.19	14.36	--	--
	MW17-20161020	10/20/16	6.75	203.3	0.84	0.384	2.72	14.44	--	--
	MW17-20170126	01/26/17	6.66	-40.7	0.57	0.386	2.24	14.14	--	--
	MW17-20170601	06/01/17	6.50	-147.6	0.54	0.375	12.61	14.48	--	--
	MW17-20170923	09/23/17	6.34	170.4	0.31	0.509	3.96	15.13	--	--
	MW17-20171216	12/16/17	6.82	22.3	0.26	0.501	3.37	12.60	--	--
	MW17-20180310	03/10/18	6.82	22.3	0.26	0.501	3.37	12.60	--	--
	MW17-20180630	06/30/18	6.85	14.8	1.07	0.723	8.60	14.87	--	--
	MW17-20180922	09/22/18	6.79	16.9	0.17	0.71	9.38	15.20	--	--
	MW17-20181215	12/15/18	6.58	18.8	0.41	0.677	6.70	14.77	--	--
	MW17-20190615	06/15/19	6.67	83.8	0.36	0.634	3.81	14.90	--	--
	MW17-20191207	12/07/19	6.62	-9.8	1.34	0.581	2.12	11.32	--	--
	MW17-20200627	06/27/20	6.68	-82.3	3.82	0.537	9.64	15.00	--	--
	MW17-20201212	12/12/20	6.58	-19.6	1.09	0.526	9.28	14.38	--	--
	MW17-20210625	06/25/21	6.67	-110.6	0.94	0.507	1.42	14.71	--	--
	MW17-20211217	12/17/21	6.74	-41.9	0.12	0.67	--	14.50	--	--

Table 5
Geochemical and Water Quality Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	pH[1]	ORP[1] (mV)	Dissolved Oxygen[1] (mg/L)	Specific Conductivity[1] (mS/cm)	Turbidity[1] (NTU)	Temperature[1] (°C)	Alkalinity[2] (mg/L $CaCO_3$)	Total Organic Carbon[3] (mg/L)
MW18	MW18-20150506	05/06/15	6.52	172.5	1.99	0.480	0.88	14.34	142	<0.500
	MW18-20150803	08/03/15	5.75	82.2	2.66	0.598	2.74	15.70	--	--
	MW18-20151208	12/08/15	7.74	115.6	1.64	0.594	1.85	14.08	--	--
	MW18-20160308	03/08/16	6.41	156.7	1.30	0.469	1.3	14.26	--	1.01
	MW18-20160608	06/08/16	6.66	8.8	1.5	--	--	--	--	--
	MW18-20160616	06/16/16	6.2	0.8	1.4	--	--	--	--	--
	MW18-20160623	06/23/16	5.87	-57.9	0.43	--	--	--	--	--
	MW18-20160629	06/29/16	5.43	-33	1.08	--	--	--	--	--
	MW18-20160706	07/06/16	5.29	-33.7	1.8	--	--	--	--	--
	MW18-20160714	07/14/16	5.43	8.7	0.47	0.883	9.3	14.89	--	2,300
	MW18-20160825	08/25/16	4.97	38.9	0.55	--	--	--	--	--
	MW18-20161020	10/20/16	5.46	65.5	0.79	1.220	7.69	14.83	--	1,900
	MW18-20170126	01/26/17	5.65	7.2	1.50	0.956	8.1	13.85	--	823
	MW18-20170601	06/01/17	6.19	-167.3	0.58	1.284	6.02	15.21	--	1,090[D]
	MW18-20170923	09/23/17	6.13	48.1	0.48	1.014	55.7	16.37	--	253[D]
	MW18-20171216	12/16/17	6.52	-21.2	0.77	0.911	40.9	12.04	--	173[D]
	MW18-20180310	03/10/18	6.18	-8.0	0.38	0.833	27.1	14.73	--	108[D]
	MW18-20180630	06/30/18	6.30	-31.9	0.68	1.008	12.4	15.49	--	47.2[D]
	MW18-20180922	09/22/18	6.31	-18.7	0.19	1.000	20.8	16.10	--	37.8[D]
	MW18-20181215	12/15/18	6.6	-4.0	0.62	0.980	9.34	15.39	533	16.9
	MW18-20190615	06/15/19	6.23	69.2	0.30	1.043	10.98	15.71	531	10.6
	MW18-20191207	12/07/19	5.82	-137.4	0.69	0.870	15.0	15.00	497	9.61[B]
	MW18-20200627	06/27/20	6.41	-85.1	0.18	0.950	9.46	15.70	536	5.95
	MW18-20201212	12/12/20	6.21	-88.1	2.98	0.889	4.65	14.98	451	4.30
	MW18-20210625	06/25/21	6.29	-86.0	0.91	0.873	7.91	15.35	454[H]	6.85
	MW18-20211217	12/17/21	6.20	-52.8	0.13	1.08	--	14.9	503	11.9
	MW18-20220609	06/09/22	6.30	-19.1	0.30	0.87	16.50	14.3	487	7.97

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Geochemical and Water Quality Parameters
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Seattle, Washington

Well Identification	Sample Identification	Sample Date	pH[(1)]	ORP[(1)] (mV)	Dissolved Oxygen[(1)] (mg/L)	Specific Conductivity[(1)] (mS/cm)	Turbidity[(1)] (NTU)	Temperature[(1)] (°C)	Alkalinity[(2)] (mg/L $CaCO_3$)	Total Organic Carbon[(3)] (mg/L)
MW19	MW19-20150507	05/07/15	6.68	156.1	1.75	0.502	1.27	14.44	144	<0.500
	MW19-20150803	08/03/15	5.67	222.2	2.33	0.523	5.8	15.47	--	--
	MW19-20151207	12/07/15	7.08	95.6	0.99	0.685	4.29	14.64	--	--
	MW19-20160308	03/08/16	6.27	154.7	1.29	0.613	0.84	14.73	--	--
	MW19-20160713	07/13/16	5.62	5.7	0.32	0.821	1017	15.59	--	--
	MW19-20160825	08/25/16	4.82	31.4	0.73	--	--	--	--	--
	MW19-20161021	10/21/16	5.62	27.0	0.15	1.404	3.00	15.59	--	--
	MW19-20170125	01/25/17	5.40	-10.4	0.40	1.120	7.98	14.40	--	--
	MW19-20170601	06/01/17	5.34	-148.6	0.53	0.963	4.02	15.99	--	--
	MW19-20170923	09/23/17	5.47	169.2	0.77	0.816	17.8	18.07	--	--
	MW19-20171216	12/16/17	6.39	-30.9	0.58	0.602	4.92	13.43	--	--
	MW19-20180310	03/10/18	6.06	-14.3	0.26	0.542	14.0	15.36	--	--
	MW19-20180630	06/30/18	6.15	-22.7	0.86	0.744	9.95	16.54	--	--
	MW19-20180922	09/22/18	6.23	-26.7	0.16	0.800	37.30	16.90	--	--
	MW19-20190615	06/15/19	6.24	40.6	0.28	1.060	11.4	16.41	556	--
	MW19-20191207	12/07/19	5.57	-134.0	0.54	0.785	--	15.75	473	--
	MW19-20200627	06/27/20	6.40	-70.4	0.27	1.000	39.1	16.60	570	--
	MW19-20201212	12/12/20	9.26	-275.8	11.88*	0.100	4.9	15.79	412	--
	MW19-20210625	06/25/21	6.33	-67.2	0.81	0.964	26.2	16.19	520[H]	--
	MW19-20211217	12/17/21	6.20	-25.4	0.08	1.07	--	15.7	488	--
	MW19-20220609	06/09/22	6.21	-18.6	0.35	0.72	8.47	15.2	373	--
MW20	MW20-20150506	05/06/15	6.91	287.1	0.59	0.678	0.00	13.68	--	--
	MW20-20150803	08/03/15	6.11	175.6	1.11	0.784	9.4	14.45	--	--
	MW20-20151207	12/07/15	6.86	228.5	0.85	0.716	9.0	13.81	--	--
	MW20-20160309	03/09/16	6.72	66.1	0.41	0.711	1.2	13.81	--	--
	MW20-20160715	07/15/16	6.71	201.4	0.64	0.726	2.14	14.28	--	--
	MW20-20161020	10/20/16	6.96	92.0	0.92	0.731	1.90	14.30	--	--
	MW20-20170125	01/25/17	6.82	-0.1	0.67	0.732	0.56	0.67	--	--
	MW20-20170601	06/01/17	6.68	-175.7	0.85	0.735	3.07	14.38	--	--
	MW20-20170924	09/24/17	6.63	177.6	0.57	0.779	2.12	15.25	--	--
	MW20-20171216	12/16/17	6.36	47.0	0.27	0.895	2.14	12.31	--	--
	MW20-20180310	03/10/18	6.71	61.4	0.26	0.855	6.07	14.16	--	--
	MW20-20180630	06/30/18	6.71	21.7	1.64	0.884	3.18	15.06	--	--
	MW20-20180922	09/22/18	6.80	13.9	0.19	0.85	3.18	15.10	--	--
	MW20-20181215	12/15/18	6.61	28.0	0.37	0.827	0.73	14.56	--	--
	MW20-20190615	06/15/19	6.72	95.1	0.50	0.928	1.70	14.94	--	--
	MW20-20191207	12/07/19	6.66	-14.9	1.23	0.883	0.99	11.37	--	--
	MW20-20200627	06/27/20	6.66	-58.2	1.60	0.97	2.15	14.90	--	--
	MW20-20201212	12/12/20	6.79	135.9	0.42	1.131	1.63	14.39	--	--
	MW20-20210625	06/25/21	6.54	-46.0	1.20	0.984	1.07	14.71	--	--
	MW20-20211217	12/17/21	6.58	-9.0	0.18	1.15	--	14.40	--	--

Table 5
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Well Identification	Sample Identification	Sample Date	pH[1]	ORP[1] (mV)	Dissolved Oxygen[1] (mg/L)	Specific Conductivity[1] (mS/cm)	Turbidity[1] (NTU)	Temperature[1] (°C)	Alkalinity[2] (mg/L $CaCO_3$)	Total Organic Carbon[3] (mg/L)
MW21	MW21-20150506	05/06/15	6.58	295.0	0.45	0.675	0.00	14.06	--	--
	MW21-20150804	08/04/15	6.09	77.5	0.68	0.98	2.61	15.13	--	--
	MW21-20151208	12/08/15	7.91	96.8	0.78	1.486	0.83	14.03	--	--
	MW21-20160309	03/09/16	5.03	137.3	1.84	0.879	1.28	14.19	--	2.29
	MW21-20160608	06/08/16	6.28	-0.5	2.46	--	--	--	--	--
	MW21-20160616	06/16/16	--	--	--	--	--	--	--	--
	MW21-20160623	06/23/16	--	--	--	--	--	--	--	--
	MW21-20160629	06/29/16	5.5	52.6	1.95	--	--	--	--	--
	MW21-20160706	07/06/16	5.27	47.1	2.16	--	--	--	--	--
	MW21-20160713	07/13/16	5.41	61.2	0.45	1.104	10.3	14.73	--	1,800
	MW21-20160825	08/25/16	4.97	67.9	0.48	--	--	--	--	--
	MW21-20161020	10/20/16	5.64	71.7	1.26	1.268	>2000	14.61	--	1,800
	MW21-20170126	01/26/17	5.78	-22.0	0.50	0.846	3.59	13.78	--	884
	MW21-20170601	06/01/17	5.69	246.8	0.54	0.920	5.90	14.94	--	755[D]
	MW21-20170923	09/23/17	5.36	14.9	0.69	1.180	4.42	14.67	--	871[D]
	MW21-20171216	12/16/17	5.54	26.3	2.67	1.146	6.00	14.81	--	722[D]
	MW21-20180310	03/10/18	5.27	58.1	0.71	1.102	4.29	14.43	--	466[D]
	MW21-20180630	06/30/18	5.18	49.5	0.34	1.546	4.05	14.94	--	718[D]
	MW21-20180922	09/22/18	5.72	97.2	0.33	1.090	6.84	16.00	--	549[D]
	MW21-20181215	12/15/18	5.67	-20.1	1.57	1.041	6.10	15.41	--	124[D]
	MW21-20190615	06/15/19	5.84	1.0	0.19	1.023	2.81	15.27	--	163[D]
	MW21-20191207	12/07/19	5.55	-142.2	0.77	0.913	7.64	14.81	--	110[BE]
	MW21-20200627	06/27/20	5.26	83.0	0.17	0.930	61.80	15.80	--	--
	MW21-20201212	12/12/20	5.8	157.2	0.20	0.934	15.30	14.84	--	191[D]
	MW21-20210625	06/25/21	5.57	12.9	0.49	0.836	4.84	15.20	--	349[D]
	MW21-20211217	12/17/21	8.69	-25.8	0.68	0.963	--	14.44	--	330
	MW21-20220609	06/09/22	5.75	-13.0	0.30	0.840	25.0	14.64	--	123

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MW22	MW22-20150506	05/06/15	6.34	280.6	0.30	0.707	0.00	14.4	--	--
	MW22-20150804	08/04/15	6.29	103.9	0.96	0.794	6.8	15.05	--	--
	MW22-20151208	12/08/15	5.91	212.8	2.18	0.702	0.4	14.49	--	--
	MW22-20160308	03/08/16	6.34	153.8	0.54	0.579	0.81	14.46	--	--
	MW22-20160608	06/08/16	6	-3.2	1.55	--	--	--	--	--
	MW22-20160616	06/16/16	4.99	95.2	1.65	--	--	--	--	--
	MW22-20160623	06/23/16	5.1	64	0.68	--	--	--	--	--
	MW22-20160629	06/29/16	5.22	84.8	1.85	--	--	--	--	--
	MW22-20160706	07/06/16	5.17	26.1	1.88	--	--	--	--	--
	MW22-20160713	07/13/16	5.55	88.1	0.42	1.276	7.26	14.85	--	--
	MW22-20160825	08/25/16	5.06	21.2	0.42	--	--	--	--	--
	MW22-20161020	10/20/16	5.48	108.8	0.24	1.408	8.66	14.86	--	--
	MW22-20170126	1/26/2017	5.55	21.2	0.27	1.19	4.83	14.23	--	--
	MW22-20170601	06/01/17	5.67	239.2	0.62	1.118	5.32	15.32	--	--
	MW22-20170923	09/23/17	5.38	104.1	0.27	1.29	3.52	15.12	--	--
	MW22-20171216	12/16/17	5.44	84.2	0.64	1.186	7.21	14.83	--	--
	MW22-20180310	03/10/18	5.32	82	6.61	0.868	4.57	14.44	--	--
	MW22-20180630	06/30/18	5.47	41.9	0.23	1.128	5.12	15.74	--	--
	MW22-20180922	09/22/18	5.94	73.1	0.38	0.82	5.67	17.00	--	--
	MW22-20181215	12/15/18	5.67	18.4	0.67	0.817	8.6	15.50	269	388[D]
	MW22-20190615	06/15/19	5.68	106.8	0.38	0.858	7.40	15.63	273	286[D]
	MW22-20191207	12/07/19	5.69	-76.4	2.02	0.803	71.20	12.14	283	255[BE]
	MW22-20200627	06/27/20	5.82	3.4	0.40	0.72	83.30	15.90	182	206[D]
	MW22-20201212	12/12/20	6.01	154.5	0.31	0.817	25.80	14.97	500	95.5[D]
	MW22-20210625	06/25/21	5.91	-4.9	0.55	0.679	8.34	15.30	243[H]	150[D]
	MW22-20211217	12/17/21	9.01	-48.1	0.68	0.749	--	14.33	287	133[D]
	MW22-20220609	06/09/22	5.95	13.8	0.35	0.673	6.70	14.73	304	42.0

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MW23	MW23-20150507	05/07/15	6.09	223.7	2.19	0.452	0.00	14.65	106	<0.500
	MW23-20150804	08/04/15	6.40	105.5	0.73	0.582	6.8	15.42	--	--
	MW23-20151208	12/08/15	5.80	197	2.12	0.548	12.6	15.10	--	--
	MW23-20160308	03/08/16	6.30	92.5	0.49	0.575	1.2	14.78	--	3.14
	MW23-20160608	06/08/16	5.14	66.9	3.15	--	--	--	--	--
	MW23-20160616	06/16/16	4.77	109.5	2.00	--	--	--	--	--
	MW23-20160623	06/23/16	4.75	58.8	0.94	--	--	--	--	--
	MW23-20160629	06/29/16	4.73	92.3	2.40	--	--	--	--	--
	MW23-20160706	07/06/16	4.74	42	2.04	--	--	--	--	--
	MW23-20160714	07/14/16	5.26	38	0.23	1.339	8.0	15.06	--	2,300
	MW23-20160825	08/25/16	4.68	64.2	0.69	--	--	--	--	--
	MW23-20161020	10/20/16	5.38	45.5	0.20	1.637	2.53	15.12	--	2,300
	MW23-20170126	01/26/17	5.71	-43.40	14.39	0.88	8.03	14.39	--	520.00
	MW23-20170601	06/01/17	5.80	232.1	0.49	1.542	5.60	15.60	--	1,620[D]
	MW23-20170923	09/23/17	5.69	-4.4	0.46	1.362	7.30	15.45	--	1,160[D]
	MW23-20171216	12/16/17	5.96	-6.3	0.84	0.973	18.0	15.23	--	865[D]
	MW23-20180310	03/10/18	5.85	-1.4	2.25	0.802	34.1	14.92	--	127[D]
	MW23-20180630	06/30/18	6.15	-82.6	0.70	1.228	178.0	15.80	--	198[D]
	MW23-20180922	09/22/18	6.52	11.1	0.31	0.950	17.5	17.00	--	159[D]
	MW23-20181215	12/15/18	6.30	-72.9	0.79	1.118	40.8	15.89	600	148[D]
	MW23-20190615	06/15/19	6.20	89.0	0.50	1.219	20.0	15.96	639	60.7[D]
	MW23-20191207	12/07/19	6.24	-42.8	2.12	1.070	33.3	12.50	614	17.4[B]
	MW23-20200627	06/27/20	6.13	-21.8	0.18	0.950	7.24	16.00	481	6.41
	MW23-20201212	12/12/20	6.33	136.3	0.29	0.885	12.60	15.16	436	7.90
	MW23-20210625	06/25/21	6.29	-43.7	0.29	0.763	6.04	15.80	382[H]	6.65
	MW23-20211217	12/17/21	9.28	-129.2	0.39	0.787	--	14.47	374	6.10

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MW24	MW24-20150506	05/06/15	6.03	182.9	1.04	0.454	1.81	14.91	172	1.12
	MW24-20150804	08/04/15	5.80	83.7	0.45	0.563	2.89	16.05	--	--
	MW24-20151208	12/08/15	7.62	120.8	1.00	0.685	1.29	15.10	--	--
	MW24-20160309	03/09/16	6.27	113.7	0.38	0.589	1	15.07	--	2.19
	MW24-20160608	06/08/16	6.73	-69.2	2.34	--	--	--	--	--
	MW24-20160616	06/16/16	5.92	-3	1.59	--	--	--	--	--
	MW24-20160623	06/23/16	5.83	-20	0.87	--	--	--	--	--
	MW24-20160629	06/29/16	5.83	36.1	1.54	--	--	--	--	--
	MW24-20160706	07/06/16	5.67	19.7	1.54	--	--	--	--	--
	MW24-20160715	07/15/16	6.00	31.9	0.29	1.142	8	15.39	--	1,000
	MW24-20160825	08/25/16	5.30	30.5	0.24	--	--	--	--	--
	MW24-20161020	10/20/16	5.93	27.5	0.94	1.440	3.56	15.22	--	640
	MW24-20170125	01/25/17	5.49	-33.5	1.10	0.917	589	14.56	--	375
	MW24-20170601	06/01/17	5.75	240.7	0.38	0.998	3034	15.38	--	1,470[D]
	MW24-20170924	09/24/17	5.54	76.3	0.27	0.641	122	16.06	--	390[D]
	MW24-20171216	12/16/17	5.93	-33.4	2.69	0.579	50.2	14.83	--	233[D]
	MW24-20180310	03/10/18	5.73	17.4	0.70	0.614	72.4	14.77	--	22.1[D]
	MW24-20180630	06/30/18	5.60	-43.1	0.44	1.393	15.1	15.81	--	770[D]
	MW24-20180922	09/22/18	6.08	18.9	3.20	0.760	92.4	17.10	--	45.5[D]
	MW24-20181215	12/15/18	6.08	-0.7	0.44	0.735	72.8	15.44	358	52.2[D]
	MW24-20190615	06/15/19	5.93	-2.8	0.29	0.798	7.68	16.00	414	20.5
	MW24-20191207	12/07/19	5.66	-139.0	0.66	0.779	20.4	15.21	434	12.6[B]
	MW24-20200627	06/27/20	6.24	-47.0	0.26	0.86	15.9	15.90	468	8.44
	MW24-20201212	12/12/20	6.08	-26.1	2.03	0.809	4.85	15.09	436	6.95
	MW24-20210625	06/25/21	6.16	-56.4	0.93	0.862	6.98	15.50	401[H]	7.52
	MW24-20211217	12/17/21	6.16	-36.0	0.12	1.11	--	15.00	488	<0.500
	MW24-20220609	06/09/22	6.19	-16.8	0.32	0.723	0.3	15.01	442	5.79

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MW25	MW25-20150507	05/07/15	6.31	140.5	2.87	0.498	76.5	14.54	112	<0.500
	MW25-20150805	08/05/15	5.67	158.1	1.47	0.667	2.3	15.16	--	--
	MW25-20151209	12/09/15	7.94	114.9	1.55	0.881	7.6	15.12	--	--
	MW25-20160308	03/08/16	6.25	171.8	0.79	0.524	1.2	15.05	--	--
	MW25-20160713	07/13/16	5.60	-13.5	0.29	0.933	>2,000	15.39	--	--
	MW25-20161019	10/19/16	5.40	22.2	0.18	1.304	9.14	15.48	--	--
	MW25-20170125	01/25/17	5.77	-134.5	0.37	0.712	4.18	14.68	--	--
	MW25-20170601	06/01/17	5.81	-136.3	0.31	1.140	4.82	15.67	--	--
	MW25-20170923	09/23/17	6.17	66.3	0.37	1.103	14.6	16.86	--	--
	MW25-20171216	12/16/17	6.61	-35.3	0.50	1.052	8.68	13.67	--	--
	MW25-20180310	03/10/18	6.22	-19.9	0.32	0.890	9.10	15.52	--	--
	MW25-20180630	06/30/18	6.48	-55.4	0.67	1.381	13.10	16.15	--	--
	MW25-20180922	09/22/18	6.48	-51.4	0.09	1.380	17.50	16.20	--	--
	MW25-20181215	12/15/18	6.42	-2.4	0.69	1.306	5.21	15.84	745	18.4
	MW25-20190615	06/15/19	6.22	-48.1	0.59	1.067	3.92	16.27	575	25.8
	MW25-20191207	12/07/19	6.16	-16.5	0.63	0.810	7.61	17.58	424	6.87[B]
	MW25-20200627	06/27/20	6.2	-37.5	0.23	0.657	14.6	16.20	322	5.21
	MW25-20201212	12/12/20	6.25	-52.3	23.36*	0.806	15.0	15.50	412	9.57
	MW25-20210625	06/25/21	6.19	-113.2	0.82	0.799	7.0	15.90	377[H]	7.50
	MW25-20211217	12/17/21	6.35	-56.5	0.24	1.020	--	15.80	431	4.18
	MW25-20220609	06/09/22	6.54	-22.1	0.37	0.760	16.5	15.20	352	2.29
IW04	IW04-20150508	05/08/15	6.58	160.2	6.28*	0.322	15.1	14.80	88.0	<0.500
	IW04-20160309	03/09/16	6.08	-18.6	0.55	0.579	3.5	14.18	--	--
	IW04-20160714	07/14/16	5.17	58.2	0.43	1.401	19.8	14.76	--	--
	IW04-20161021	10/21/16	5.30	27.5	0.10	1.575	7.71	15.01	--	--
	IW04-20170126	01/26/17	5.40	-18.0	0.71	1.288	17.7	14.11	--	--
	IW04-20170601	06/01/17	5.78	-151.8	0.62	0.809	12.7	14.99	--	--
	IW04-20170923	09/23/17	5.99	2.7	0.84	1.189	21.7	18.00	--	--
	IW04-20171216	12/16/17	6.37	-47.8	0.37	0.940	18.8	13.01	--	--
	IW04-20180310	03/10/18	6.22	-40.3	0.82	0.792	56.3	14.77	--	--
	IW04-20180630	06/30/18	6.29	-59.3	0.89	0.914	18	15.59	--	--
	IW04-20180922	09/22/18	6.13	26.1	0.21	0.318	5.1	16.20	--	--
	IW04-20181215	12/15/18	6.32	-26.6	0.64	0.969	14.7	15.27	478	157[D]
	IW04-20190615	06/15/19	6.32	-60.8	0.24	1.112	13.2	15.48	611	148[D]
	IW04-20191207	12/07/19	6.41	-24.1	0.98	1.059	22.6	11.91	595	94.8[BE]
	IW04-20200627	06/27/20	6.12	-0.8	5.31*	0.960	9.17	15.40	517	88.7[D]
	IW04-20201212	12/12/20	9.08	-194.2	2.00	0.910	11.48	15.07	500	90.3[D]
	IW04-20210625	06/25/21	6.39	-93	0.76	0.865	24.4	15.23	450[H]	93.1[D]
	IW04-20211217	12/17/21	6.30	-68.3	0.19	1.040	--	15.00	458	101[D]
	IW04-20220609	06/09/22	6.42	-37.1	0.35	0.88	14.4	14.30	460	75.6[D]

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IW06	IW06-20150507	05/07/15	6.70	262.1	7.55*	0.224	17.83	15.02	--	--
	IW06-20180310	03/10/18	5.97	-162.5	0.34	0.284	8.41	14.84	--	--
	IW06-20180630	06/30/18	6.25	-95.9	0.67	0.312	6.99	15.87	--	--
	IW06-20180922	09/22/18	6.35	-55.9	0.17	0.92	43.3	16.20	--	--
	IW06-20181215	12/15/18	6.20	-9.7	0.43	0.297	5.60	15.51	--	--
	IW06-20190615	06/15/19	5.96	67.7	0.58	0.471	11.50	15.81	--	--
	IW06-20191207	12/07/19	6.45	-4.5	0.88	0.446	0.21	12.05	--	--
	IW06-20200627	06/27/20	6.07	-41.9	5.72*	0.749	12.1	15.50	--	--
	IW06-20201212	12/12/20	8.35	-201.9	1.95	0.541	3.66	15.24	--	--
	IW06-20210625	06/25/21	6.09	-98.5	1.16	0.656	11.90	15.38	--	--
	IW06-20211217	12/17/21	6.15	58.2	0.60	0.605	--	15.10	--	--
	IW06-20220609	06/09/22	6.38	217.1	0.53	0.51	7.26	14.20	--	--
IW07	IW07-20160825	08/25/16	5.15	-11.4	0.61	--	--	--	--	--
IW15	IW15-20160608	06/08/16	5.19	86.6	2.75	--	--	--	--	--
	IW15-20160616	06/16/16	7.59	70.1	1.95	--	--	--	--	--
	IW15-20160623	06/23/16	5.07	16.6	1.05	--	--	--	--	--
	IW15-20160629	06/29/16	5.11	47.3	1.38	--	--	--	--	--
	IW15-20160706	07/06/16	5.09	28.6	1.55	--	--	--	--	--
	IW15-20160825	08/25/16	4.96	35.9	0.58	--	--	--	--	--
	IW15-20161021	10/21/16	5.42	-16.6	0.12	2.065	3.75	15.46	--	--
	IW15-20170602	06/02/17	5.65	-217.5	0.49	1.00	9.42	15.68	--	--
IW38	IW38-20160608	06/08/16	5.53	57.9	2.4	--	--	--	--	--
	IW38-20160616	06/16/16	5.05	91.4	2	--	--	--	--	--
	IW38-20160623	06/23/16	5.1	39	0.73	--	--	--	--	--
	IW38-20160629	06/29/16	5.13	80.6	1.45	--	--	--	--	--
	IW38-20160706	07/06/16	5.06	49.1	1.65	--	--	--	--	--
	IW38-20160825	08/25/16	4.8	73.4	0.29	--	--	--	--	--
	IW38-20161021	10/21/16	5.06	77.7	0.59	2.07	2.19	15.40	--	--
	IW38-20170602	06/02/17	5.72	-234.3	0.46	0.838	2.80	15.69	--	--

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IW50	IW50-20151208	12/08/15	7.44	122.1	0.56	0.984	2.68	14.71	--	--
	IW50-20160309	03/09/16	3.46	149.7	0.70	0.726	3.01	14.52	--	115
	IW50-20160715	07/15/16	5.45	40.6	0.44	1.35	4.77	14.80	--	1,100
	IW50-20161021	10/21/16	5.69	43.7	0.83	2.055	11.8	14.79	--	1,600
	IW50-20170126	01/26/17	6.43	-59.5	0.80	1.058	43.2	14.46	--	391
	IW50-20170602	06/02/17	6.34	198.5	0.60	0.688	17.4	14.98	--	85.2[D]
	IW50-20170923	09/23/17	6.29	-103.0	0.24	1.004	24.1	15.29	--	214[D]
	IW50-20171216	12/16/17	6.30	-72.4	2.71	1.048	106	14.99	--	224[D]
	IW50-20180310	03/10/18	6.34	-43.1	0.40	1.038	76.8	14.81	--	55.0[D]
	IW50-20180630	06/30/18	6.41	-115.4	0.31	1.204	11.35	15.21	--	41.9[D]
	IW50-20180922	09/22/18	6.65	-37.4	0.66	0.76	5.81	17.40	--	29.6[D]
	IW50-20181215	12/15/18	6.35	-120.3	1.28	0.681	4.74	15.50	338	12.2
	IW50-20190615	06/15/19	6.26	65.8	0.38	0.670	5.18	15.86	299	7.56
	IW50-20191207	12/07/19	6.24	-30.3	1.02	0.618	5.33	12.31	288	6.72[B]
	IW50-20200627	06/27/20	6.08	-13.8	8.61*	0.939	4.91	15.70	497	18.2
	IW50-20201212	12/12/20	6.43	91.8	0.24	1.071	14.1	15.24	544	13.7
	IW50-20210625	06/25/21	6.5	-92.6	0.17	1.016	9.79	15.40	449[H]	16.1
	IW50-20211217	12/17/21	6.29	-61.9	0.05	1.06	--	15.20	468	38.1
	IW50-20220609	06/09/22	6.30	-59.0	0.32	0.749	16.80	14.78	477	13.5
IW57	IW57-20160608	06/08/16	4.46	138.7	5.59	--	--	--	--	--
	IW57-20160616	06/16/16	4.51	109.9	2.28	--	--	--	--	--
	IW57-20160623	06/23/16	4.48	56.2	1.88	--	--	--	--	--
	IW57-20160629	06/29/16	4.45	105.5	2.41	--	--	--	--	--
	IW57-20160706	07/06/16	4.56	41.7	2.68	--	--	--	--	--
	IW57-20160825	08/25/16	4.52	38.0	1.01	--	--	--	--	--
	IW57-20161021	10/21/16	5.44	28.9	0.81	2.085	4.16	14.85	--	--
	IW57-20170602	06/02/17	5.76	-242.1	0.33	0.808	22.5	15.25	--	--

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IW61	IW61-20151208	12/08/16	4.27	200.3	3.34	0.655	24.2	14.25	--	--
	IW61-20160309	03/09/16	6.12	-17.9	1.40	0.65	30.1	14.35	--	114
	IW61-20160714	07/14/16	5.31	39.7	0.56	1.624	52.4	15.38	--	2,900
	IW61-20161021	10/21/16	5.63	48.5	0.81	2.283	4.53	15.09	--	3,000
	IW61-20170126	01/26/17	5.89	-47.9	0.41	1.326	1.96	14.27	--	1,300
	IW61-20170602	06/02/17	6.00	219.6	0.49	0.812	7.57	15.42	--	908[D]
	IW61-20170923	09/23/17	5.28	-9.6	0.79	2.264	7.67	15.55	--	1,490[D]
	IW61-20171216	12/16/17	6.07	-66.1	0.79	1.158	510	15.28	--	765[D]
	IW61-20180310	03/10/18	5.80	-1.5	1.28	0.911	185	14.39	--	432[D]
	IW61-20180630	06/30/18	6.02	-92.1	0.39	1.127	22.0	15.72	--	406[D]
	IW61-20180922	09/22/18	6.38	-3.8	0.17	0.75	13.5	16.50	--	228[D]
	IW61-20181215	12/15/18	6.82	-45.1	0.73	1.171	22.0	15.96	494	628[D]
	IW61-20190615	06/15/19	5.94	-21.1	0.32	0.913	12.60	15.97	429	140[D]
	IW61-20191207	12/07/19	5.61	-131.0	0.82	0.819	37.2	15.39	444	103[BE]
	IW61-20200627	06/27/20	6.09	-45.1	0.23	0.859	13.2	16.20	419	55.4[D]
	IW61-20201212	12/12/20	6.22	115.9	0.34	0.960	60.0	15.01	471	60.6[D]
	IW61-20210625	06/25/21	6.32	-72.2	0.25	0.866	64.0	15.80	423[H]	66.2[D]
	IW61-20211217	12/17/21	9.21	-99.4	0.43	0.941	--	14.69	460[H]	72.6[D]
	IW61-20220609	06/09/22	6.23	-23.9	0.70	0.882	34.2	14.98	472[H]	81.8[D]
IW64	IW64-20160608	06/08/16	5.22	69.8	3.25	--	--	--	--	--
	IW64-20160616	06/16/16	4.97	94.3	2.27	--	--	--	--	--
	IW64-20160623	06/23/16	5.04	41.5	1.15	--	--	--	--	--
	IW64-20160629	06/29/16	5.09	80.3	2.25	--	--	--	--	--
	IW64-20160706	07/06/16	5.03	36.4	2.05	--	--	--	--	--
	IW64-20160825	08/25/16	5.03	37.0	0.87	--	--	--	--	--
	IW64-20161021	10/21/16	5.70	33.2	0.99	1.980	32.0	15.22	--	--
	IW64-20170602	06/02/17	5.86	-242.4	0.34	0.981	12.6	15.10	--	--

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IW91	IW91-20150506	05/06/15	6.54	171.4	1.57	0.300	0.19	14.35	--	--
	IW91-20150804	08/04/15	6.11	143.7	2.26	0.363	1.91	14.66	--	--
	IW91-20151208	12/08/15	5.88	218.9	5.23	0.342	8.2	14.18	--	--
	IW91-20160309	03/09/16	6.87	209.2	3.99	0.325	2.98	14.15	--	--
	IW91-20160714	07/14/16	6.79	118	5.51	0.299	0.81	14.60	--	--
	IW91-20161020	10/20/16	6.62	143.2	0.25	0.509	6.69	14.68	--	--
	IW91-20170126	01/26/17	6.93	-65.2	0.35	0.461	3.99	14.17	--	--
	IW91-20170601	06/01/17	6.92	192.4	1.90	0.442	3.57	14.54	--	--
	IW91-20170923	09/23/17	6.92	173.0	2.21	0.433	5.16	14.64	--	--
	IW91-20171216	12/16/17	7.09	223.6	2.10	0.337	23.0	14.49	--	--
	IW91-20180310	03/10/18	6.68	196.6	5.81	0.385	20.1	14.55	--	--
	IW91-20180630	06/30/18	6.67	22.4	12.00	0.563	2.52	14.34	--	--
	IW91-20180922	09/22/18	7.00	199.8	5.59	0.462	2.17	15.70	--	--
	IW91-20181215	12/15/18	6.94	12.5	6.43	0.524	0.97	14.99	--	--
	IW91-20190615	06/15/19	6.51	25.1	9.86	0.557	2.27	15.30	--	--
	IW91-20191207	12/07/19	6.63	-131.6	4.45	0.585	1.98	14.62	--	--
	IW91-20200627	06/27/20	6.72	11.7	22.14*	0.457	4.02	15.30	--	--
	IW91-20201212	12/12/20	7.39	177.9	10.84*	0.553	12.70	15.02	--	--
	IW91-20210625	06/25/21	7.35	99.0	17.23	0.433	4.13	14.90	--	--
AIW02	AIW02-20160825	08/25/16	4.88	15.3	0.77	--	--	--	--	--
AIW05	AIW05-20160825	08/25/16	4.89	31.5	1.77	--	--	--	--	--
MW31	MW31-20191009	10/09/19	9.75	100.2	4.02	0.2	16.2	15.02	--	--
	MW31-20191205	12/05/19	6.45	4.1	6.75	0.2	13.6	11.29	--	--
	MW31-20200630	6/30/2020	6.12	232.7	4.32	0.311	2,491[(4)]	16.06	--	--
	MW31-20201211	12/11/20	6.77	146.9	3.77	0.343	2,950[(4)]	12.14	--	--
	MW31-20210624	06/24/21	6.39	-13.1	8.62	0.286	24.1	16.59	--	--
	MW31-20211215	12/15/21	6.5	-6.4	4.73	0.381	9.3	14.38	--	--
	MW31-20220607	06/07/22	6.48	73.4	6.48	0.267	7.4	15.8	--	--

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Boren Avenue North										
MW04	MW04-20110527	05/27/11	6.93	11	6.24	0.330	122	15.09	--	--
	MW04-20111012	10/12/11	6.46	201.6	6.17	0.252	25.1	15.0	--	--
	MW04-20130909	09/09/13	6.15	-136.0	5.49	0.305	>200	17.6	--	--
	MW04-20150508	05/08/15	6.76	287.3	0.433	0.433	0.00	17.03	54.0	<0.500
	MW04-20150806	08/06/15	6.39	111.2	6.09	0.350	0.9	18.01	--	--
	MW04-20151209	12/09/15	6.49	221.3	7.48	0.344	1.1	16.74	--	--
	MW04-20160308	03/08/16	6.60	136.4	3.56	0.292	1.46	16.11	--	--
	MW04-20160713	07/13/16	6.48	-1.3	0.99	0.392	1.06	16.78	--	--
	MW04-20161019	10/19/16	7.18	190.7	3.15	0.300	4.06	15.98	--	--
	MW04-20170124	01/24/17	6.91	-1.1	2.95	0.237	3.22	14.74	--	--
	MW04-20170531	05/31/17	6.93	219.6	7.11	0.453	6.06	15.70	--	--
	MW04-20170921	09/21/17	6.71	120.3	8.65	0.460	6.82	15.49	--	--
	MW04-20171214	12/14/17	7.13	237.0	8.36	0.465	3.01	13.12	--	--
	MW04-20180309	03/09/18	6.60	159.4	1.80	0.290	3.01	14.96	--	--
	MW04-20180629	06/29/18	6.61	132.9	4.55	0.351	1.50	15.78	--	--
	MW04-20180920	09/20/18	6.55	189.1	7.07	0.387	1.27	15.80	--	--
	MW04-20181214	12/14/18	6.47	38.2	4.83	0.388	0.73	14.58	41.0	--
	MW04-20190614	06/14/19	6.58	100.0	4.15	0.386	3.98	16.50	66.3	--
	MW04-20191205	12/05/19	6.68	-64.1	7.97	0.463	2.67	14.07	45.8	--
	MW04-20200626	06/26/20	6.37	185.2	7.78	0.391	7.72	16.70	115	--
	MW04-20201211	12/11/20	9.57	-11.2	6.63	0.409	4.75	12.10	103	--
	MW04-20210623	06/23/21	6.35	-16.3	2.23	0.48	6.14	15.96	137	--
	MW04-20211215	12/15/21	6.95	126.9	1.07	0.495	2.55	14.90	74.0	0.965
	MW04-20220607	06/07/22	6.54	326.5	5.75	0.70	7.06	15.00	61.6	0.633

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MW07	MW07-20110531	05/31/11	6.63	26	5.70	0.281	--	14.71	--	--
	MW07-20111012	10/12/11	6.36	166.4	2.92	0.181	14.9	15.2	--	--
	MW07-20130909	09/09/13	6.48	124.5	2.71	0.373	17.1	18.0	--	--
	MW07-20150508	05/08/15	5.94	304.5	4.79	0.491	5.34	17.19	39.0	<0.500
	MW07-20150805	08/05/15	6.22	84.4	4.65	0.597	0.96	18.43	--	--
	MW07-20151209	12/09/15	6.59	210.8	3.10	0.446	4.4	16.86	--	--
	MW07-20160308	03/08/16	6.42	252.3	3.78	0.375	8.12	15.00	--	0.862
	MW07-20160713	07/13/16	6.44	222.8	0.77	0.330	1.01	16.82	--	0.83
	MW07-20161019	10/19/16	6.79	120.8	2.96	0.328	4.00	16.24	--	1.70
	MW07-20170124	01/24/17	6.68	-36.8	4.92	0.275	12.21	13.47	--	4.25
	MW07-20170531	05/31/17	6.32	-76.4	4.45	0.474	7.21	15.95	--	4.58
	MW07-20180308	03/08/18	6.47	124.4	7.75	0.374	2.75	14.33	--	0.877
	MW07-20180629	06/29/18	6.32	176.2	7.38	0.509	1.43	16.31	--	1.80
	MW07-20180920	09/20/18	6.42	198.7	8.76	0.486	6.50	16.30	--	0.963
	MW07-20181214	12/14/18	6.32	55.0	7.57	0.465	3.86	15.59	25.5	0.942
	MW07-20190614	06/14/19	6.12	115.9	7.91	0.469	5.23	15.86	23.4	0.869
	MW07-20191205	12/05/19	6.41	-71.1	6.85	0.531	6.35	14.45	20.5	0.736
	MW07-20200630	06/30/20	6.41	125.4	4.95	0.414	4.14	15.88	--	0.789
	MW07-20201210	12/10/20	6.41	131.6	1.39	0.439	3.36	15.00	83.3	0.969
	MW07-20210623	06/23/21	6.39	-40.6	4.91	0.504	3.48	16.11	99.4	0.949
	MW07-20211215	12/15/21	6.89	130.1	1.12	0.483	1.12	14.80	60.5	0.884
	MW07-20220607	06/07/22	6.36	62.1	7.57	0.489	8.6	15.69	32.5	0.772

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MW13	MW13-20111020	10/20/11	7.10	138.0	2.12	1.04	21.8	15.9	--	--
	MW13-20130910	09/10/13	6.50	34.9	3.67	0.256	>200	18.4	--	--
	MW13-20150511	05/11/15	6.83	107.0	4.71	0.367	131.0	17.13	40.0	<0.500
	MW13-20150805	08/05/15	6.50	97.7	3.91	0.400	>200	17.82	--	--
	MW13-20151215	12/15/15	8.72	91.8	3.61	0.384	51.2	15.53	--	--
	MW13-20160307	03/07/16	6.80	190.3	2.94	0.348	4.06	15.83	--	--
	MW13-20160712	07/12/16	6.67	82.4	4.29	0.386	6.65	17.75	--	--
	MW13-20161019	10/19/16	6.50	161.4	4.95	0.339	33.4	16.74	--	--
	MW13-20170124	01/24/17	6.78	-58.5	4.44	0.359	8.68	14.96	--	--
	MW13-20170531	05/31/17	6.59	-84.5	2.38	0.353	8.31	16.32	--	--
	MW13-20170921	09/21/17	6.27	351.8	6.20	0.337	89.7	15.74	--	--
	MW13-20171214	12/14/17	6.83	122.5	3.81	0.363	overrange	12.39	--	--
	MW13-20180308	03/08/18	6.57	186.2	5.98	0.331	40.5	15.22	--	--
	MW13-20180629	06/29/18	6.68	76.4	3.66	0.396	18.2	16.34	--	--
	MW13-20180920	09/20/18	6.64	157.6	4.38	312.500	26.7	16.20	--	--
	MW13-20181214	12/14/18	6.49	22.2	3.30	0.320	38.0	14.93	--	--
	MW13-20190614	06/14/19	6.41	106.2	4.31	0.315	9.63	15.83	--	--
	MW13-20191205	12/05/19	6.28	-0.2	7.31	0.214	18.60	11.38	--	--
	MW13-20200626	06/26/20	6.57	211.1	7.12	0.334	26.40	15.70	--	--
	MW13-20201210	12/10/20	6.65	194.4	5.39	0.354	9.24	14.63	--	--
	MW13-20210623	06/23/21	6.73	203.9	2.82	0.294	9.16	16.50	--	--
	MW13-20211216	12/16/21	7.02	92.2	4.30	0.310	6.09	13.95	--	1.17
	MW13-20220608	06/08/22	6.27	319.0	5.50	0.329	9.85	14.90	--	

Table 5
Geochemical and Water Quality Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	pH[(1)]	ORP[(1)] (mV)	Dissolved Oxygen[(1)] (mg/L)	Specific Conductivity[(1)] (mS/cm)	Turbidity[(1)] (NTU)	Temperature[(1)] (°C)	Alkalinity[(2)] (mg/L $CaCO_3$)	Total Organic Carbon[(3)] (mg/L)
MW27	MW27-20151210	12/10/15	6.75	217.6	5.56	0.417	4.5	16.74	--	--
	MW27-20160309	03/07/16	6.51	214.9	3.31	0.406	3.12	16.09	--	114
	MW27-20160713	07/13/16	6.47	78.8	2.60	0.414	5.17	17.36	--	--
	MW27-20161019	10/19/16	6.66	97.6	0.89	0.420	0.77	16.82	--	--
	MW27-20170124	01/24/17	6.55	113.9	0.68	0.617	4.01	0.68	--	--
	MW27-20170531	05/31/17	6.89	195.9	1.96	0.377	1.98	16.42	--	--
	MW27-20170921	09/21/17	6.51	126.3	2.39	0.365	2.27	15.64	--	--
	MW27-20171214	12/14/17	6.42	92.3	0.32	0.532	0.41	15.82	--	--
	MW27-20180308	03/08/18	6.46	-24.8	0.54	0.289	12.4	14.35	--	--
	MW27-20180628	06/28/18	6.32	-12.8	0.77	0.455	1.30	16.40	--	--
	MW27-20180920	09/20/18	6.42	40.9	0.21	0.388	1.34	16.80	--	--
	MW27-20181214	12/14/18	6.32	39.7	1.58	0.359	0.85	15.52	--	--
	MW27-20190614	06/14/19	6.44	49.6	3.22	0.360	1.47	15.92	--	--
	MW27-20191205	12/05/19	6.75	-69.3	5.25	0.372	1.68	14.20	--	--
	MW27-20200626	6/26/2020	6.20	197.9	0.32	0.442	3.42	16.10	--	--
	MW27-20201210	12/10/20	6.37	163.2	2.04	0.475	4.18	15.13	--	--
	MW27-20210623	06/23/21	6.55	12.7	0.22	0.535	6.11	16.70	--	--
	MW27-20211215	12/15/21	6.94	-62.8	0.06	0.567	5.31	15.30	--	--
	MW27-20220608	06/08/22	6.40	-29.5	0.42	0.432	1.1	15.57	--	--
Terry Avenue North										
MW15	MW15-20150508	05/08/15	6.09	167.7	8.25	0.135	4.07	15.35	--	--
	MW15-20150805	08/05/15	6.16	134.1	8.64	0.163	0.5	15.90	--	--
	MW15-20151209	12/09/15	7.33	164.8	7.53	0.169	2.57	14.58	--	--
	MW15-20160308	03/08/16	6.19	181.1	7.26	0.197	2.63	14.44	--	--
	MW15-20160713	07/13/16	6.28	196.9	4.62	0.341	1.28	15.40	--	--
	MW15-20161018	10/18/16	6.41	192.6	4.75	0.289	6.48	15.35	--	--
	MW15-20170125	01/25/17	6.14	70.2	4.21	0.159	1.78	1.88	--	--
	MW15-20170531	05/31/17	5.67	-48.0	9.71	0.126	7.01	15.22	--	--
	MW15-20170922	09/22/17	5.81	382.3	7.69	0.156	1.72	15.06	--	--
	MW15-20171215	12/15/17	6.50	117.0	5.31	0.251	4.84	12.66	--	--
	MW15-20171215	12/15/17	6.50	117.0	5.31	0.251	4.84	12.66	--	--
	MW15-20180309	03/09/18	6.30	44.5	0.36	0.359	6.01	14.13	--	--
	MW15-20180629	06/29/18	6.14	36.2	4.13	0.228	11.55	14.39	--	--
	MW15-20180920	09/20/18	5.88	169.7	7.66	0.273	14.3	15.70	--	--
	MW15-20181214	12/14/18	6.00	46.7	6.24	0.238	5.61	14.60	--	--
	MW15-20190613	06/13/19	5.97	128.9	5.70	0.154	5.95	16.27	--	--
	MW15-20191205	12/05/19	6.84	-85.7	4.43	0.235	29.20	13.62	--	--
	MW15-20200626	6/26/2020	6.17	134.0	3.24	0.433	3.86	15.90	--	--
	MW15-20201211	12/11/20	6.35	102.6	4.9	0.599	3.13	14.02	--	--
	WELL DAMAGED 2021									

Table 5
Geochemical and Water Quality Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	pH[1]	ORP[1] (mV)	Dissolved Oxygen[1] (mg/L)	Specific Conductivity[1] (mS/cm)	Turbidity[1] (NTU)	Temperature[1] (°C)	Alkalinity[2] (mg/L $CaCO_3$)	Total Organic Carbon[3] (mg/L)
MW34	MW34-20211216	12/16/21	7.15	195.3	1.51	0.432	18.5	16.6	--	--
	MW34-20220607	06/07/22	6.41	298.9	7.73	0.360	23.3	14.6	--	--
Thomas Street										
MW16	MW16-20130911	09/11/13	7.22	48.0	3.64	0.686	162.0	19.04	--	--
	MW16-20150508	05/08/15	6.40	145.4	0.68	0.676	22.1	15.59	266	0.961
	MW16-20150805	08/05/15	6.10	34.4	0.40	0.771	1.45	16.37	--	--
	MW16-20151210	12/10/15	7.80	114.5	0.73	0.789	1.34	14.90	--	--
	MW16-20160308	03/08/16	6.60	15.7	0.89	0.753	0.72	14.65	--	--
	MW16-20160712	07/12/16	6.68	-90.8	0.47	0.928	0.47	17.38	--	--
	MW16-20161019	10/19/16	6.49	-56.3	0.41	0.788	8.32	15.66	--	9.4
	MW16-20170125	01/25/17	6.57	112.90	0.46	0.70	1.98	14.20	--	13.50
	MW16-20170531	05/31/17	6.71	-106.2	0.65	0.985	3.81	16.63	--	46.0[b]
	MW16-20170922	09/22/17	6.62	189.4	0.72	0.995	1.35	16.96	--	92.1[b]
	MW16-20171229	12/29/17	6.87	96.9	2.13	0.830	1.95	14.11	--	93.5[b]
	MW16-20180309	03/09/18	6.70	68.4	0.23	0.941	7.98	15.28	--	1.87
	WELL DAMAGED 2018									
MW28	MW28-20190613	6/13/2019	6.62	81.3	1.08	0.867	4.22	18.72	424	--
	MW28-20191009	10/9/2019	8.1	87.4	1.58	0.789	5.72	16.13	--	--
	MW28-20191204	12/4/2019	6.68	161.5	0.24	0.79	7.72	15.49	391	--
	MW28-20200626	6/26/2020	6.70	-71.0	0.55	0.734	6.51	16.60	351	--
	MW28-20201211	12/11/2020	6.89	158.9	1.47	0.634	18.9	14.37	304	--
	MW28-20210623	6/23/2021	6.69	-48.1	3.67	0.723	7.71	19.66	292	--
	MW28-20211216	12/16/2021	7.34	85.3	0.44	0.532	--	14.40	223	--
	MW28-20220609	6/9/2022	6.79	81.4	1.2	0.60	16.3	15.10	267	--
Harrison Street										
MW01	MW01-20150806	08/06/15	5.71	126.9	9.20	0.308	3.41	21.37	--	--
	MW01-20160308	03/08/16	6.63	157.2	7.20	0.215	--	13.07	--	--
	MW01-20160712	07/12/16	6.69	157.7	7.48	0.225	24.9	17.28	--	--
	MW01-20161018	10/18/16	6.73	125.0	8.01	0.228	3.90	15.31	--	--
	MW01-20170124	01/24/17	6.72	144.0	8.00	0.222	2.27	13.25	--	--
	MW01-20170531	05/31/17	6.15	-30.9	8.24	0.262	8.66	15.17	--	--
	MW01-20171214	12/14/17	6.23	73.1	4.89	0.253	26.8	11.21	--	--
	MW01-20180309	03/09/18	6.34	185.7	5.40	0.219	5.27	12.87	--	--
	MW01-20180628	06/28/18	6.37	112.2	3.85	0.255	2.32	15.93	--	--
	MW01-20180920	09/20/18	6.35	179.8	5.91	0.260	2.82	16.10	--	--
	MW01-20181214	12/14/18	6.45	114.3	6.46	0.244	2.90	14.44	--	--
	MW01-20190614	06/14/19	6.30	111.2	8.19	0.288	1.73	15.45	--	--
	MW01-20191205	12/05/19	6.65	-80.8	7.20	0.325	2.61	13.81	--	--
	MW01-20200626	06/26/20	6.29	170.2	6.86	0.381	23.7	16.60	--	--
	MW01-20201211	12/11/20	6.36	187.7	11.11	0.442	4.37	14.11	--	--
	MW01-20210624	06/24/21	6.12	12.8	7.96	0.467	7.13	16.94	--	--
	MW01-20211215	12/15/21	6.41	5.4	7.07	0.536	3.30	14.01	--	--
	MW01-20220607	06/07/22	6.34	44.0	7.60	0.417	3.1	15.67	--	--

Table 5
Geochemical and Water Quality Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	pH[1]	ORP[1] (mV)	Dissolved Oxygen[1] (mg/L)	Specific Conductivity[1] (mS/cm)	Turbidity[1] (NTU)	Temperature[1] (°C)	Alkalinity[2] (mg/L $CaCO_3$)	Total Organic Carbon[3] (mg/L)
MW26	MW26-20151210	12/10/15	8.26	142.3	4.58	0.359	34.8	14.39	--	--
	MW26-20160307	03/07/16	6.54	108.6	0.93	0.234	3.21	14.20	--	--
	MW26-20160712	07/12/16	6.28	101.8	5.39	0.313	1.30	16.08	--	--
	MW26-20161018	10/18/16	6.39	181.0	5.55	0.312	7.52	14.69	--	--
	MW26-20170124	01/24/17	6.49	75.0	0.88	0.316	2.67	13.80	--	--
	MW26-20170531	05/31/17	6.50	213.1	0.86	0.23	2.97	14.82	--	--
	MW26-20170921	09/21/17	6.15	182.7	0.35	0.268	5.98	14.91	--	--
	MW26-20171214	12/14/17	6.06	163.4	0.32	0.354	2.66	12.65	--	--
	MW26-20180309	03/09/18	6.39	166.2	0.28	0.281	8.47	13.37	--	--
	MW26-20180628	06/28/18	6.21	68.0	0.28	0.379	8.52	15.44	--	--
	MW26-20180920	09/20/18	6.23	174.5	0.28	0.359	3.98	15.90	--	--
	MW26-20181214	12/14/18	6.23	23.8	0.62	0.196	5.96	13.96	103	1.23
	MW26-20190614	06/14/19	6.27	83.0	0.59	0.370	6.41	15.73	78.0	1.13
	MW26-20191205	12/05/19	6.58	-107.00	0.70	0.279	7.07	14.04	103	21.2[B]
	MW26-20200626	06/26/20	6.17	10.50	0.19	0.369	7.84	15.50	124	1.39
	MW26-20201211	12/11/20	6.46	184.90	0.64	0.196	4.67	13.27	93.1	1.02
	MW26-20210623	06/23/21	6.6	14.90	0.33	0.303	7.36	16.10	114	1.30
	MW26-20211215	12/15/21	6.87	-23.60	0.55	0.356	5.80	13.71	127	0.900
	MW26-20220608	06/08/22	6.3	224.50	5.92	0.50	60	15.50	85.5	1.99
MW32	MW32-20191009	10/09/19	6.16	-39.9	2.22	0.208	9.71	13.35	--	--
	MW32-20191205	12/05/19	5.92	-9.0	2.26	0.167	23.6	10.44	--	--
	MW32-20200626	06/26/20	5.98	118.9	3.54	0.251	6.92	15.20	--	--
	MW32-20201212	12/12/20	6.48	169.0	5.04	0.334	36.6	14.48	--	--
	MW32-20210624	06/24/21	6.37	156.4	2.79	0.271	14.9	15.80	--	--
	MW32-20211215	12/15/21	6.36	-36.9	0.86	0.280	11.0	14.16	--	--
	MW32-20220607	06/07/22	6.25	292.8	0.54	0.289	57.4	14.50	--	--
MW33	MW33-20191009	10/09/19	8.03	97.2	4.32	0.257	7.3	15.85	--	--
	MW33-20191205	12/05/19	6.38	-25.6	5.79	0.170	3.43	11.28	--	--
	--	06/26/20	WELL DRY, UNABLE TO SAMPLE							
	--	12/10/20	WELL DRY, UNABLE TO SAMPLE							
	MW33-20210624	06/24/21	6.91	181.6	7.75	0.387	22.8	16.7	--	--
	MW33-20211216	12/16/21	7.26	213.1	1.38	0.371	35.9	14.7	--	--
	MW33-20220607	06/07/22	6.75	222.8	7.15	0.299	12.7	14.8	--	--

Table 5
Geochemical and Water Quality Parameters
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identification	Sample Date	pH[(1)]	ORP[(1)] (mV)	Dissolved Oxygen[(1)] (mg/L)	Specific Conductivity[(1)] (mS/cm)	Turbidity[(1)] (NTU)	Temperature[(1)] (°C)	Alkalinity[(2)] (mg/L $CaCO_3$)	Total Organic Carbon[(3)] (mg/L)
South-Adjoining Property										
MW29	MW29-20191008	10/08/19	6.55	-146.2	1.67	0.777	32	14.09	--	--
	MW29-20191204	12/04/19	6.28	155.3	0.56	0.937	9.23	15.10	--	--
	MW29-20200625	06/25/20	6.59	33.2	0.70	0.960	9.70	16.70	--	--
	MW29-20201210	12/10/20	6.69	81.3	1.58	0.872	5.87	15.03	--	--
	MW29-20210622	06/22/21	6.59	45.5	4.96	0.870	3.10	17.99	--	--
	MW29-20211215	12/15/21	7.15	110.8	0.36	0.860	7.79	14.60	--	--
	MW29-20220607	06/07/22	6.7	55.7	1.03	0.700	8.5	15.31	--	--
MW30	MW30-20191008	10/08/19	2.98	133.8	2.30	0.495	158	15.29	--	--
	MW30-20191204	12/04/19	5.88	173.1	0.4	0.440	13.9	14.30	--	--
	MW30-20200625	06/25/20	6.12	61.9	5.92	0.488	22.7	20.10	--	--
	MW30-20201210	12/10/20	6.17	125	2.18	0.475	38.0	14.36	--	--
	MW30-20210623	06/23/21	6.30	136.3	1.29	0.419	113.0	17.90	--	--
	MW30-20211215	12/15/21	6.63	72.8	0.70	0.471	26.4	14.90	--	--
	MW30-20220606	06/06/22	6.19	69.8	1.29	0.338	130	15.20	--	--
ONNI-MW-4	ONNI-MW-4-20191208	12/08/19	6.46	-157.2	1.40	0.469	49.0	13.69	--	--
	ONNI-MW-4-20200625	06/25/20	6.97	-12.1	4.20	0.507	91.0	16.70	--	--
	ONNI-MW-4-20201210	12/10/20	7.06	182	1.99	0.472	245.0	13.15	--	--
	ONNI-MW-4-20210622	06/22/21	7.18	180.9	1.84	0.53	3713.0	23.30	--	--
	ONNI-MW-4-20211215	12/15/21	7.54	118.4	0.60	0.54	51.7	14.40	--	--
ONNI-MW-5	ONNI-MW-5-20191208	12/08/19	6.92	-176.5	1.7	0.423	45.0	12.75	--	--
	ONNI-MW-5-20200206	02/06/20	7.11	-38.1	1.17	0.368	20.5	14.79	--	--
	ONNI-MW-5-20200625	06/25/20	7.24	33.1	2.12	0.436	39.3	15.70	--	--
	ONNI-MW-5-20201209	12/09/20	7.21	131.6	0.38	0.405	15.0	14.81	--	--
	ONNI-MW-5-20210623	06/23/21	7.43	27.9	1.74	0.412	overrange	17.53	--	--
	ONNI-MW-5-20211214	12/14/21	7.41	-155.7	0.25	0.343	125	14.10	--	--
ONNI-MW-9	ONNI-MW-9-20211214	12/14/21	6.37	20.5	0.4	0.379	115	13.2	--	--
	ONNI-MW-9-20220606	06/06/22	6.27	329.1	15.41	0.55	55.1	15.3	--	--

NOTES:

Analyses performed by Friedman & Bruya, Inc., Fremont Analytical Inc., or Aquatic Research Inc., of Seattle, Washington; or Amtest Inc. of Kirkland, Washington.

[(1)]Parameter is measured in the field using water quality meter with flow-through cell. The reported value is the last reading prior to sampling groundwater.

[(2)]Analyzed by SM 2320B.

[(3)]Analyzed by SM 5310C.

[(4)]Elevated turbidity measurement as groundwater was purged from the base of the well.

Laboratory Notes:

[D]Dilution was required.

[B]Analyte detected in the associated Method Blank.

*Anomalous reading, attributed to meter error.

-- = not measured/ not applicable

< = not detected at a concentration exceeding the laboratory reporting limit

°C = degrees Celius

$CaCO_3$ = calcium carbonate

mg/L = milligrams per liter

mV = millivolts

NTU = nephelometric turbidity unit

ORP = oxidation-reduction potential

SM = Standard Method

Table 6
Groundwater Analytical Results for Volatile Fatty Acids
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identificiation	Sample Date	Lactate[1] (mg/L)	Acetate[1] (mg/L)	Propionate[1] (mg/L)	Formate[1] (mg/L)	Butyrate[1] (mg/L)	Pyruvate[1] (mg/L)	Lactic[2] (mg/L)	Acetic[3] (mg/L)	Total Organic Carbon[4] (mg/L)
MW07	MW07-20160308	03/08/16	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	0.862
	MW07-20160713	07/16/16	--	--	--	--	--	--	<20	<20[X,D]	0.83
	MW07-20161019	10/19/16	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	1.7
	MW07-20170124	01/24/17	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	4.25
	MW07-20170531	05/31/17	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	4.58
	MW07-20180308	03/08/18	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	0.877
	MW07-20180629	06/29/18	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	1.80
	MW07-20180920	09/20/18	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	0.963
MW16	MW16-20161019	10/19/16	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	9.4
	MW16-20170125	01/25/17	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	13.5
	MW16-20170531	05/31/17	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	46.0[D]
	MW16-20170922	09/22/17	<0.39	1.1	<0.31	2	<0.41	<0.69	--	--	92.1[D]
	MW16-20171229	12/29/17	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	93.5[D]
	MW16-20180309	03/09/18	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	1.87
	WELL DAMAGED 2018										
MW18	MW18-20150506	05/06/15	--	--	--	--	--	--	--	--	<0.500
	MW18-20160308	03/08/16	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	1.01
	MW18-20160714	07/14/16	--	--	--	--	--	--	<100	64[X,D]	2,300
	MW18-20161020	10/20/16	<7.8	959	494	<4.4	131	<14	--	--	1,900
	MW18-20170126	01/26/17	<7.8	830	200	<4.4	121	<14	--	--	823
	MW18-20170601	06/01/17	<7.8	512	300	<4.4	115	<14	--	--	1,090[D]
	MW18-20170923	09/23/17	<0.39	25	232	<0.22	<0.41	2	--	--	253[D]
	MW18-20171216	12/16/17	<0.39	<0.54	81	0.79	<0.41	<0.69	--	--	173[D]
	MW18-20180310	03/10/18	<0.39	193	79	0.55	1.6	1.7	--	--	108[D]
	MW18-20180630	06/30/18	<0.39	28	53	<0.22	<0.41	<0.69	--	--	47.2[D]
	MW18-20180922	09/22/18	<0.39	26	5.4	<0.22	<0.41	<0.69	--	--	37.8[D]
	MW18-20190615	06/15/19	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	11
	MW18-20191207	12/07/19	<0.39	10	<0.31	<0.22	<0.41	<0.69	--	--	--
	MW18-20200627	06/27/20	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	5.95
	MW18-20201212	12/12/20	<0.69	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	4.30
	MW18-20210625	06/25/21	<0.39	1.8	<0.31	<0.22	<0.41	<0.69	--	--	6.85
	MW18-20211217	12/17/21	<0.39	<0.54	<0.31	<0.22	<0.47	<0.69	--	--	11.9
	MW18-20211217	06/09/22	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	7.97

Table 6
Groundwater Analytical Results for Volatile Fatty Acids
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identificiation	Sample Date	Lactate[1] (mg/L)	Acetate[1] (mg/L)	Propionate[1] (mg/L)	Formate[1] (mg/L)	Butyrate[1] (mg/L)	Pyruvate[1] (mg/L)	Lactic[2] (mg/L)	Acetic[3] (mg/L)	Total Organic Carbon[4] (mg/L)
MW21	MW21-20160309	03/09/16	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	2.29
	MW21-20160713	07/13/16	--	--	--	--	--	--	<100	<100[X,D]	1,800
	MW21-20161020	10/20/16	<7.8	509	1,032	<4.4	43	<14	--	--	1,800
	MW21-20170126	01/26/17	<0.39	201	311	1.1	31	0.91	--	--	884
	MW21-20170601	06/01/17	<7.8	682	393	<4.4	88	<14	--	--	755[D]
	MW21-20170924	09/24/17	<7.8	880	507	<4.4	148	<14	--	--	871[D]
	MW21-20171216	12/16/17	<7.8	630	151	45	148	13	--	--	722[D]
	MW21-20180310	03/10/18	<0.39	490	124	1.0	73	16	--	--	466[D]
	MW21-20180630	06/30/18	<7.8	811	278	<4.4	151	28	--	--	718[D]
	MW21-20180922	09/22/18	<0.39	460	173	<0.22	114	<0.69	--	--	549[D]
	MW21-20190615	06/15/19	<0.39	140	66	<0.22	12	4	--	--	163[D]
	MW21-20191207	12/07/19	<0.39	116	7.2	<0.22	13	12	--	--	--
	MW21-20200627	06/27/20	<0.39	249	144	20	79	19	--	--	--
	MW21-20201212	12/12/20	<0.69	157	89	0.72	36	9.1	--	--	191[D]
	MW21-20210625	6/25/21	<0.39	189	85	<0.22	50	15	--	--	349[D]
	MW21-20211217	12/17/21	<0.39	174	62	1.5	31	16	--	--	330
	MW21-20211217	06/09/22	<0.39	<0.54	<0.31	0.64	<0.41	<0.69	--	--	123[D]
MW22	MW22-20190615	06/15/19	<0.39	270	150	<0.22	39	13	--	--	286[D]
	MW22-20191207	12/07/19	<0.39	418	134	<0.22	42	13	--	--	--
	MW22-20200627	06/27/20	<0.39	283	56	<0.22	21	7.3	--	--	206[D]
	MW22-20201212	12/12/20	<0.69	142	22	<0.22	8.8	1.2	--	--	95.5[D]
	MW22-20210625	06/25/21	<0.39	254	14	<0.22	36	2.4	--	--	349[D]
	MW22-20211217	12/17/21	<0.39	169	16	<0.22	14	1.9	--	--	133[D]
	MW22-20211217	06/09/22	<0.39	168	17	0.6	12	1.3	--	--	42.0

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Seattle, Washington

Well Identification	Sample Identificiation	Sample Date	Lactate[1] (mg/L)	Acetate[1] (mg/L)	Propionate[1] (mg/L)	Formate[1] (mg/L)	Butyrate[1] (mg/L)	Pyruvate[1] (mg/L)	Lactic[2] (mg/L)	Acetic[3] (mg/L)	Total Organic Carbon[4] (mg/L)
MW23	MW23-20150507	05/07/15	--	--	--	--	--	--	--	--	<0.500
	MW23-20160308	03/08/16	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	3.14
	MW23-20160714	07/14/16	--	--	--	--	--	--	<100	<100[X]	2,300
	MW23-20161020	10/20/16	<7.8	986	1,229	<4.4	144	<14	--	--	2,300
	MW23-20170126	01/26/17	<7.8	613	256	<4.4	57	<14	--	--	520
	MW23-20170601	06/01/17	<7.8	1,300	656	<4.4	280	<14	--	--	1,620[D]
	MW23-20170923	09/23/17	<7.8	705	388	<4.4	295	59	--	--	1,160[D]
	MW23-20171216	12/16/17	<0.39	131	176	8.0	106	31	--	--	865[D]
	MW23-20180310	03/10/18	<0.39	25	151	2.8	<0.41	7.2	--	--	127[D]
	MW23-20180630	06/30/18	<0.39	52	213	<0.22	<0.41	8.5	--	--	198[D]
	MW23-20180922	09/22/18	<0.39	26	230	<0.22	<0.41	<0.69	--	--	159[D]
	MW23-20190615	06/15/19	<0.39	19	86	<0.22	0.42	1.8	--	--	60.7[D]
	MW23-20191207	12/07/19	<0.39	24	<0.31	2.7	<0.41	<0.69	--	--	--
	MW23-20200627	06/27/20	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	6.41
	MW23-20201212	12/12/20	<0.69	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	7.90
	MW23-20210625	06/25/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	6.65
	MW23-20211217	12/17/21	<0.39	<0.54	<0.31	<0.22	<0.47	<0.69	--	--	6.10
MW24	MW24-20150506	05/06/15	--	--	--	--	--	--	--	--	1.12
	MW24-20160309	03/09/16	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	2.19
	MW24-20160715	07/15/16	--	--	--	--	--	--	<100	56.7[X,D]	1,000
	MW24-20161020	10/20/16	<7.8	1,431	143	<4.4	20	<14	--	--	640
	MW24-20170126	01/26/17	<7.8	901	133	<4.4	34	<14	--	--	375
	MW24-20170601	06/01/17	<7.8	1,036	204	78	251	<14	--	--	1,470[D]
	MW24-20170924	09/24/17	<0.39	28	140	4.2	38	7.9	--	--	390[D]
	MW24-20171216	12/16/17	<0.39	12	70	1.2	2.0	0.80	--	--	233[D]
	MW24-20180310	03/10/18	<0.39	8.0	10	<0.22	<0.41	<0.69	--	--	22.1[D]
	MW24-20180630	06/30/18	<7.8	681	164	<4.4	123	<13.8	--	--	770[D]
	MW24-20180922	09/22/18	<0.39	26	10	<0.22	1	<0.69	--	--	45.5[D]
	MW24-20190615	06/15/19	<0.39	39	5.6	<0.22	0.46	<0.69	--	--	20.5
	MW24-20191207	12/07/19	5.7	29	<0.31	3.0	<0.41	<0.69	--	--	--
	MW24-20200627	06/27/20	<0.39	<0.54	0.60	<0.22	<0.41	<0.69	--	--	8.44
	MW24-20201212	12/12/20	<0.69	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	6.95
	MW24-20210625	06/25/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	7.52
	MW24-20211217	12/17/21	<0.39	<0.54	<0.31	1.7	<0.47	<0.69	--	--	<0.500
	MW24-20211217	06/09/22	<0.39	1.0	<0.31	0.92	<0.41	<0.69	--	--	5.79

Table 6
Groundwater Analytical Results for Volatile Fatty Acids
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identificiation	Sample Date	Lactate[1] (mg/L)	Acetate[1] (mg/L)	Propionate[1] (mg/L)	Formate[1] (mg/L)	Butyrate[1] (mg/L)	Pyruvate[1] (mg/L)	Lactic[2] (mg/L)	Acetic[3] (mg/L)	Total Organic Carbon[4] (mg/L)
MW25	MW25-20150507	05/07/15	--	--	--	--	--	--	--	--	<0.500
	MW25-20190615	06/15/19	<0.39	45	1.3	<0.22	1.3	<0.69	--	--	25.80
	MW25-20191207	12/07/19	<0.39	21	<0.31	2.9	<0.41	<0.69	--	--	--
	MW25-20200627	06/27/20	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	5.21
	MW25-20201212	12/12/20	<0.69	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	9.57
	MW25-20210625	06/25/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	7.50
	MW25-20211217	12/17/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	4.18
	MW25-20211217	06/09/22	<0.39	<0.54	<0.31	0.80	<0.41	<0.69	--	--	2.29
IW04	IW04-20150508	05/08/15	--	--	--	--	--	--	--	--	<0.500
	IW04-20190615	06/15/19	<0.39	31	6.1	<0.22	3.2	0.42	--	--	148[D]
	IW04-20191207	12/07/19	<0.39	25	<0.31	3.3	<0.41	<0.69	--	--	--
	IW04-20200627	06/27/20	<0.39	8.2	1.5	<0.22	1.5	<0.69	--	--	88.7[D]
	IW04-20201212	12/12/20	<0.69	6.2	3.1	<0.22	2.1	<0.69	--	--	90.3[D]
	IW04-20210625	06/25/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	93.1[D]
	IW04-20211217	12/17/21	<0.39	2.4	1.2	<0.22	<0.47	<0.69	--	--	101[D]
	IW04-20211217	06/09/22	<0.39	178	45	5.9	29	16	--	--	75.6[D]
IW50	IW50-20160309	03/09/16	<0.39	358	82	1.1	22	<0.69	--	--	115
	IW50-20160715	07/15/16	--	--	--	--	--	--	<100	<100[X,D]	1,100
	IW50-20161021	10/21/16	<7.8	1,492	683	8.2	476	<14	--	--	1,600
	IW50-20170126	01/26/17	<0.39	73	102	4.0	61	9.4	--	--	391
	IW50-20170602	06/02/17	<0.39	39	5.2	<0.22	1.3	<0.69	--	--	85.2[D]
	IW50-20170924	09/24/17	<0.39	87	108	<0.22	4.2	2.5	--	--	214[D]
	IW50-20171216	12/16/17	`	43	8.0	<0.22	<0.41	<0.69	--	--	224[D]
	IW50-20180310	03/10/18	<0.39	41	3.1	<0.22	0.79	<0.69	--	--	55.0[D]
	IW50-20180630	06/30/18	<0.39	4.9	<0.31	<0.22	<0.41	<0.69	--	--	41.9[D]
	IW50-20180922	09/22/18	<0.39	2.3	<0.31	<0.22	<0.41	<0.69	--	--	29.6[D]
	IW50-20190615	06/15/19	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	7.56
	IW50-20191207	12/07/19	<0.39	18	<0.31	3.3	<0.41	<0.69	--	--	--
	IW50-20200627	06/27/20	<0.39	2.8	<0.31	<0.22	<0.41	<0.69	--	--	18.2
	IW50-20201212	12/12/20	<0.69	1.6	<0.31	<0.22	<0.41	<0.69	--	--	13.7
	IW50-20210625	06/25/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	16.1
	IW50-20211217	12/17/21	<0.39	9.2	1.3	<0.22	<0.47	<0.69	--	--	38.1
	IW50-20211217	06/09/22	--	--	--	--	--	--	--	--	13.5

Table 6
Groundwater Analytical Results for Volatile Fatty Acids
Troy Laundry Seattle Site
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Seattle, Washington

Well Identification	Sample Identificiation	Sample Date	Lactate[1] (mg/L)	Acetate[1] (mg/L)	Propionate[1] (mg/L)	Formate[1] (mg/L)	Butyrate[1] (mg/L)	Pyruvate[1] (mg/L)	Lactic[2] (mg/L)	Acetic[3] (mg/L)	Total Organic Carbon[4] (mg/L)
IW61	IW61-20160309	03/09/16	<0.39	368	51	0.69	28	<0.69	--	--	114
	IW61-20160713	07/13/16	--	--	--	--	--	--	<100	217[X,D]	2,900
	IW61-20161021	10/21/16	<7.8	1,543	538	122	837	<14	--	--	3,000
	IW61-20170126	01/26/17	<7.8	612	253	38	363	<14	--	--	1,300
	IW61-20170602	06/02/17	<0.39	171	118	<0.22	189	<0.69	--	--	908[D]
	IW6120170923	09/23/17	<7.8	2,589	231	37	705	19	--	--	1,490[D]
	IW61-20171216	12/16/17	<0.39	235	151	45	148	13	--	--	765[D]
	IW61-20180310	03/10/18	<0.39	184	176	31	92	16	--	--	432[D]
	IW61-20180630	06/30/18	<0.39	111	200	<0.22	44	14	--	--	406[D]
	IW61-20180922	09/22/18	<0.39	71	170	14	21	<0.69	--	--	228[D]
	IW61-20190615	06/15/19	<0.39	88	72	<0.22	4.4	0.58	--	--	140[D]
	IW61-20191207	12/07/19	<0.39	98	7.2	1.8	5	<0.69	--	--	--
	IW61-20200627	06/27/20	<0.39	13	0.62	<0.22	<0.41	<0.69	--	--	55.4[D]
	IW61-20201212	12/12/20	<0.69	5.1	<0.31	0.60	<0.41	<0.69	--	--	60.6[D]
	IW61-20210625	06/25/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	66.2[D]
	IW61-20211217	12/17/21	<0.39	4.5	<0.31	<0.22	<0.47	<0.69	--	--	72.6[D]
	IW61-20211217	06/09/22	<0.39	1.4	<0.31	<0.22	2.5	<0.69	--	--	81.8[D]

NOTES:

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[1]Analyzed by Ion Chromatography.

[2]Analyzed by EPA Method 300.0.

[3]Analyzed by EPA Method 300.0 modified.

[4]Analyzed by SM 5310C or EPA Method 300.0 modified.

Laboratory Notes:

[D]The reported value is from a dilution.

[X]Acetic and proprionic acids co-eluted. Results are quantitated at acetic acid.

-- = not measured/ not applicable

< = not detected at a concentration exceeding the laboratory reporting limit

EPA = US Environmental Protection Agency

mg/L = milligrams per liter

SM = Standard Method

ATTACHMENT A

LABORATORY ANALYTICAL REPORTS

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
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June 15, 2022

Levi Fernandes, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr Fernandes:

Included are the results from the testing of material submitted on June 8, 2022 from the SOU_0731-004-08_ 20220608, F&BI 206149 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Linnea Coleman
SOU0615R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 8, 2022 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-004-08_ 20220608, F&BI 206149 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
206149 -01	ONNI-MW-9_20220606

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	ONNI-MW-9_20220606	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206149-01
Date Analyzed:	06/09/22	Data File:	060915.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	71	132
Toluene-d8	97	68	139
4-Bromofluorobenzene	102	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	02-1294 mb
Date Analyzed:	06/09/22	Data File:	060907.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Date of Report: 06/15/22
Date Received: 06/08/22
Project: SOU_0731-004-08_ 20220608, F&BI 206149

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 206149-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	109	16-176
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	106	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	102	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	102	43-133
Tetrachloroethene	ug/L (ppb)	10	<1	108	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	98	102	70-130	4
trans-1,2-Dichloroethene	ug/L (ppb)	10	99	104	70-130	5
cis-1,2-Dichloroethene	ug/L (ppb)	10	97	102	70-130	5
Trichloroethene	ug/L (ppb)	10	98	102	70-130	4
Tetrachloroethene	ug/L (ppb)	10	104	103	70-130	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

206149

SAMPLE CHAIN OF CUSTODY

06-08-22

Page # 1 of 1

Send Report To Levi Fernandes, Linnea Coleman

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO.	PO #
Troy Laundry Property	0731-004-08
REMARKS *cVOCs = PCE, TCE, Cis/Trans-DCE, and VC	EIM Y

TURNAROUND TIME

(Standard (2 Weeks))

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

⊗ Dispose after 30 days

Return samples

Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs * by EPA 8260C	Methane, Ethane, Ethene by RSK175	Sulfate, Nitrate, Alkalinity by SM1845/SM2320B	Total Fe and Mn by EPA 200.8	Fe 2+ by SM 3500	TOC By EPA 415.1	Notes
~~ONNI-MW-9~~	~~ONNI MW-9~~																
ONNI-MW-9-20220606	ONNI MW-9	—	01A	6/6/22	1650	H2O	3				X						

LAC 6/8/22

Samples received at 5 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Linnea Coleman	SES	6/8/22	1627
Received by:		Mackenzie Elliott	SES	6-8-22	1627
Relinquished by:		Mackenzie Elliott	SES	6-8-22	1708
Received by:		Eric Young	F:P	6/8/22	1708

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 21, 2022

Levi Fernandes, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

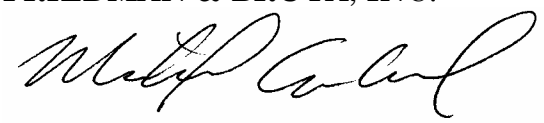
Dear Mr Fernandes:

Included are the results from the testing of material submitted on June 8, 2022 from the SOU_0731-004-08_ 20220608, F&BI 206150 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Linnea Coleman
SOU0621R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 8, 2022 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-004-08_ 20220608, F&BI 206150 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
206150 -01	MW30-20220606
206150 -02	MW33-20220607
206150 -03	MW29-20220607
206150 -04	MW32-20220607
206150 -05	MW01-20220607
206150 -06	MW34-20220607
206150 -07	MW07-20220607
206150 -08	MW04-20220607
206150 -09	MW31-20220607

Samples MW07-20220607 and MW04-20220607 were sent to Fremont Analytical for dissolved gasses, sulfate, nitrate, alkalinity, ferrous iron, and total organic carbon analyses. The report is enclosed.

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW07-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-07 x10
Date Analyzed:	06/09/22	Data File:	206150-07 x10.063
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	WE

Analyte:	Concentration ug/L (ppb)
Iron	<500
Manganese	86.5

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW04-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-08 x10
Date Analyzed:	06/09/22	Data File:	206150-08 x10.064
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	WE

Analyte:	Concentration ug/L (ppb)
Iron	<500
Manganese	<10

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	I2-411 mb
Date Analyzed:	06/09/22	Data File:	I2-411 mb.037
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	WE

Analyte:	Concentration ug/L (ppb)
Iron	<50
Manganese	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW30-20220606	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-01
Date Analyzed:	06/09/22	Data File:	060927.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	99	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.029
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	3.5
Trichloroethene	2.3
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW33-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-02
Date Analyzed:	06/09/22	Data File:	060928.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	71	132
Toluene-d8	98	68	139
4-Bromofluorobenzene	97	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW29-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-03
Date Analyzed:	06/09/22	Data File:	060929.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	92	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.13
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	10
Trichloroethene	15
Tetrachloroethene	20

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW32-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-04
Date Analyzed:	06/09/22	Data File:	060930.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	71	132
Toluene-d8	98	68	139
4-Bromofluorobenzene	94	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW01-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-05
Date Analyzed:	06/09/22	Data File:	060931.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	0.73
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW34-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-06
Date Analyzed:	06/09/22	Data File:	060938.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	71	132
Toluene-d8	94	68	139
4-Bromofluorobenzene	100	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	5.9
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW07-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-07
Date Analyzed:	06/09/22	Data File:	060939.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	96	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	6.5
Tetrachloroethene	2.9

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW04-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-08
Date Analyzed:	06/09/22	Data File:	060940.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	9.2
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW31-20220607	Client:	SoundEarth Strategies
Date Received:	06/08/22	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	206150-09
Date Analyzed:	06/09/22	Data File:	060941.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	71	132
Toluene-d8	99	68	139
4-Bromofluorobenzene	96	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	4.2
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_0731-004-08_ 20220608
Date Extracted:	06/09/22	Lab ID:	02-1294 mb
Date Analyzed:	06/09/22	Data File:	060907.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Date of Report: 06/21/22
Date Received: 06/08/22
Project: SOU_0731-004-08_ 20220608, F&BI 206150

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 206151-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Iron	ug/L (ppb)	100	1,430	170 b	158 b	70-130	7
Manganese	ug/L (ppb)	20	461	222 b	218 b	70-130	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Iron	ug/L (ppb)	100	103	85-115
Manganese	ug/L (ppb)	20	100	85-115

Date of Report: 06/21/22
Date Received: 06/08/22
Project: SOU_0731-004-08_ 20220608, F&BI 206150

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 206149-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	109	16-176
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	106	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	102	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	102	43-133
Tetrachloroethene	ug/L (ppb)	10	<1	108	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	98	102	70-130	4
trans-1,2-Dichloroethene	ug/L (ppb)	10	99	104	70-130	5
cis-1,2-Dichloroethene	ug/L (ppb)	10	97	102	70-130	5
Trichloroethene	ug/L (ppb)	10	98	102	70-130	4
Tetrachloroethene	ug/L (ppb)	10	104	103	70-130	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

206150

SAMPLE CHAIN OF CUSTODY 06-08-22

Page # 1 of VW2/AI2

Send Report To Levi Fernandes, Linnea Coleman

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature)

PROJECT NAME/NO.: Troy Laundry Property

PO #: 0731-004-08

REMARKS: *cVOCs = PCE, TCE, Cis/Trans-DCE, and VC

EIM Y

TURNAROUND TIME: Standard (2 Weeks)

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL: ⊗ Dispose after 30 days; Return samples; Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs * by EPA 8260C	Methane, Ethane, Ethene by RSK175	Sulfate, Nitrate, Alkalinity by SM1845/SM2320B	Total Fe and Mn by EPA 200.8	Fe 2+ by SM 3500	TOC By EPA 415.1	Notes
MW30-20220606			01A-C	6/6/22	1741	H_2O	3				X						
MW33-20220607			02	6/7/22	0907		3				X						
MW29-20220607			03		1118		3				X						
MW32-20220607			04		1252		3				X						
MW01-20220607			05		1312		3				X						
MW34-20220607			06		1508		3				X						
MW07-20220607			07A-C		1620		11				X	X	X	X	X	X	
MW04-20220607			08		1640		11				X	X	X	X	X	X	
MW31-20220607			09A-C		1846		3				X						

Samples received at 5 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Linnea Coleman	SES	6/8/22	1630
Received by:	McKenzie Elliott	SES	6-8-22	1630
Relinquished by:	McKenzie Elliott	SES	6-8-22	1708
Received by:	Eric Young	EB	6/8/22	1708

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman & Bruya
Michael Erdahl
3012 16th Ave. W.
Seattle, WA 98119

RE: 206150
Work Order Number: 2206176

June 17, 2022

Attention Michael Erdahl:

Fremont Analytical, Inc. received 2 sample(s) on 6/9/2022 for the analyses presented in the following report.

Dissolved Gases by RSK-175
Ferrous Iron by SM3500-Fe B
Ion Chromatography by EPA Method 300.0
Total Alkalinity by SM 2320B
Total Organic Carbon by SM 5310C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *06/17/2022*

CLIENT: Friedman & Bruya
Project: 206150
Work Order: 2206176

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2206176-001	MW07-20220607	06/07/2022 4:20 PM	06/09/2022 3:40 PM
2206176-002	MW04-20220607	06/07/2022 4:40 PM	06/09/2022 3:40 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2206176**
Date: **6/17/2022**

CLIENT: Friedman & Bruya
Project: 206150

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2206176**
Date Reported: **6/17/2022**

Client: Friedman & Bruya
Collection Date: 6/7/2022 4:20:00 PM
Project: 206150
Lab ID: 2206176-001
Matrix: Water
Client Sample ID: **MW07-20220607**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76242		Analyst: MS
Methane	ND	0.00675		mg/L	1	6/17/2022 12:17:00 PM
Ethene	ND	0.0146		mg/L	1	6/17/2022 12:17:00 PM
Ethane	ND	0.0151		mg/L	1	6/17/2022 12:17:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36808		Analyst: ALT
Nitrate (as N)	34.8	2.00	DH	mg/L	20	6/14/2022 4:49:00 PM
Sulfate	38.7	12.0	D	mg/L	20	6/14/2022 4:49:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R76112		Analyst: SS
Total Organic Carbon	0.772	0.500		mg/L	1	6/10/2022 4:22:00 AM
Total Alkalinity by SM 2320B				Batch ID: R76055		Analyst: TN
Alkalinity, Total (As CaCO3)	32.5	2.50		mg/L	1	6/10/2022 11:26:00 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76104		Analyst: ALT
Ferrous Iron	ND	0.100	H	mg/L	1	6/10/2022 8:41:00 AM

Analytical Report

Work Order: **2206176**
Date Reported: **6/17/2022**

Client: Friedman & Bruya
Collection Date: 6/7/2022 4:40:00 PM
Project: 206150
Lab ID: 2206176-002
Matrix: Water
Client Sample ID: **MW04-20220607**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76242		Analyst: MS
Methane	ND	0.00675		mg/L	1	6/17/2022 12:19:00 PM
Ethene	ND	0.0146		mg/L	1	6/17/2022 12:19:00 PM
Ethane	ND	0.0151		mg/L	1	6/17/2022 12:19:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36808		Analyst: ALT
Nitrate (as N)	24.6	2.00	DH	mg/L	20	6/14/2022 5:13:00 PM
Sulfate	35.7	12.0	D	mg/L	20	6/14/2022 5:13:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R76112		Analyst: SS
Total Organic Carbon	0.633	0.500		mg/L	1	6/10/2022 4:43:00 AM
Total Alkalinity by SM 2320B				Batch ID: R76055		Analyst: TN
Alkalinity, Total (As CaCO3)	61.6	2.50		mg/L	1	6/10/2022 11:26:00 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76104		Analyst: ALT
Ferrous Iron	ND	0.100	H	mg/L	1	6/10/2022 8:41:00 AM

Work Order: 2206176
CLIENT: Friedman & Bruya
Project: 206150

QC SUMMARY REPORT

Total Alkalinity by SM 2320B

Sample ID: **MB-R76055**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **6/10/2022**	RunNo: **76055**
Client ID: **MBLKW**	Batch ID: **R76055**		Analysis Date: **6/10/2022**	SeqNo: **1559587**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	ND	2.50									

Sample ID: **LCS-R76055**	SampType: **LCS**	Units: **mg/L**	Prep Date: **6/10/2022**	RunNo: **76055**
Client ID: **LCSW**	Batch ID: **R76055**		Analysis Date: **6/10/2022**	SeqNo: **1559588**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	111	2.50	100.0	0	111	84	121				

Sample ID: **2206159-004CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **6/10/2022**	RunNo: **76055**
Client ID: **BATCH**	Batch ID: **R76055**		Analysis Date: **6/10/2022**	SeqNo: **1559591**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	203	2.50						204.3	0.678	20	

Work Order: 2206176
CLIENT: Friedman & Bruya
Project: 206150

QC SUMMARY REPORT

Ferrous Iron by SM3500-Fe B

Sample ID: **MB-R76104**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **6/10/2022**	RunNo: **76104**
Client ID: **MBLKW**	Batch ID: **R76104**		Analysis Date: **6/10/2022**	SeqNo: **1560576**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	ND	0.100									

Sample ID: **LCS-R76104**	SampType: **LCS**	Units: **mg/L**	Prep Date: **6/10/2022**	RunNo: **76104**
Client ID: **LCSW**	Batch ID: **R76104**		Analysis Date: **6/10/2022**	SeqNo: **1560577**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	0.401	0.100	0.4000	0	100	85	115				

Sample ID: **2206176-002CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **6/10/2022**	RunNo: **76104**
Client ID: **MW04-20220607**	Batch ID: **R76104**		Analysis Date: **6/10/2022**	SeqNo: **1560580**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	ND	0.100						0		20	H

Sample ID: **2206176-002CMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **6/10/2022**	RunNo: **76104**
Client ID: **MW04-20220607**	Batch ID: **R76104**		Analysis Date: **6/10/2022**	SeqNo: **1560581**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	0.506	0.100	0.4000	0	127	70	130				H

Sample ID: **2206176-002CMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **6/10/2022**	RunNo: **76104**
Client ID: **MW04-20220607**	Batch ID: **R76104**		Analysis Date: **6/10/2022**	SeqNo: **1560582**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	0.486	0.100	0.4000	0	122	70	130	0.5061	3.96	20	H

Work Order: 2206176
CLIENT: Friedman & Bruya
Project: 206150

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **MB-36808**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **MBLKW**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562894**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	0.100									
Sulfate	ND	0.600									

Sample ID: **LCS-36808**	SampType: **LCS**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **LCSW**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562895**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	0.716	0.100	0.7500	0	95.5	90	110				
Sulfate	3.54	0.600	3.750	0	94.5	90	110				

Sample ID: **2206233-004BDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **BATCH**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562915**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	1.00						0		20	DH
Sulfate	ND	6.00						0		20	D

Sample ID: **2206233-004BMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **BATCH**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562916**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	7.20	1.00	7.500	0	96.0	80	120				DH
Sulfate	36.8	6.00	37.50	2.870	90.3	80	120				D

Sample ID: **2206233-004BMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **BATCH**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562919**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	7.09	1.00	7.500	0	94.5	80	120	7.200	1.54	20	DH
Sulfate	36.8	6.00	37.50	2.870	90.6	80	120	36.75	0.217	20	D

Work Order: 2206176
CLIENT: Friedman & Bruya
Project: 206150

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **2206233-004BMSD** SampType: **MSD** Units: **mg/L** Prep Date: **6/14/2022** RunNo: **76185**
Client ID: **BATCH** Batch ID: **36808** Analysis Date: **6/14/2022** SeqNo: **1562919**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2206233-009BDUP** SampType: **DUP** Units: **mg/L** Prep Date: **6/14/2022** RunNo: **76185**
Client ID: **BATCH** Batch ID: **36808** Analysis Date: **6/14/2022** SeqNo: **1562924**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	2.00						0		20	DH
Sulfate	21.9	12.0						21.88	0.0914	20	D

Sample ID: **2206233-009BMS** SampType: **MS** Units: **mg/L** Prep Date: **6/14/2022** RunNo: **76185**
Client ID: **BATCH** Batch ID: **36808** Analysis Date: **6/14/2022** SeqNo: **1562925**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	14.1	2.00	15.00	0	93.7	80	120				DH
Sulfate	92.0	12.0	75.00	21.88	93.5	80	120				D

Work Order: 2206176
CLIENT: Friedman & Bruya
Project: 206150

QC SUMMARY REPORT

Total Organic Carbon by SM 5310C

Sample ID: **MB-R76112**	SampType: **MBLK**			Units: **mg/L**		Prep Date: **6/9/2022**		RunNo: **76112**		
Client ID: **MBLKW**	Batch ID: **R76112**					Analysis Date: **6/9/2022**		SeqNo: **1560783**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	ND	0.500									

Sample ID: **LCS-R76112**	SampType: **LCS**			Units: **mg/L**		Prep Date: **6/9/2022**		RunNo: **76112**		
Client ID: **LCSW**	Batch ID: **R76112**					Analysis Date: **6/9/2022**		SeqNo: **1560784**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	4.76	0.500	5.000	0	95.2	91.5	110				

Sample ID: **2206073-001BDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **6/9/2022**		RunNo: **76112**		
Client ID: **BATCH**	Batch ID: **R76112**					Analysis Date: **6/9/2022**		SeqNo: **1560786**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	2.52	0.500						2.531	0.356	20	

Sample ID: **2206073-001BMS**	SampType: **MS**			Units: **mg/L**		Prep Date: **6/9/2022**		RunNo: **76112**		
Client ID: **BATCH**	Batch ID: **R76112**					Analysis Date: **6/9/2022**		SeqNo: **1560787**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	7.49	0.500	5.000	2.531	99.2	71.5	116				

Sample ID: **2206073-001BMSD**	SampType: **MSD**			Units: **mg/L**		Prep Date: **6/9/2022**		RunNo: **76112**		
Client ID: **BATCH**	Batch ID: **R76112**					Analysis Date: **6/9/2022**		SeqNo: **1560788**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	7.37	0.500	5.000	2.531	96.8	71.5	116	7.492	1.60	30	

Work Order: 2206176
CLIENT: Friedman & Bruya
Project: 206150

QC SUMMARY REPORT

Total Organic Carbon by SM 5310C

Sample ID: **2206159-022EDUP** SampType: **DUP** Units: **mg/L** Prep Date: **6/10/2022** RunNo: **76112**
Client ID: **BATCH** Batch ID: **R76112** Analysis Date: **6/10/2022** SeqNo: **1560767**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	0.992	0.500						1.069	7.47	20	

Sample ID: **2206159-022EMS** SampType: **MS** Units: **mg/L** Prep Date: **6/10/2022** RunNo: **76112**
Client ID: **BATCH** Batch ID: **R76112** Analysis Date: **6/10/2022** SeqNo: **1560770**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	5.88	0.500	5.000	1.069	96.2	71.5	116				

Work Order: 2206176
CLIENT: Friedman & Bruya
Project: 206150

QC SUMMARY REPORT

Dissolved Gases by RSK-175

Sample ID: **LCS-R76242** SampType: **LCS** Units: **ppmv** Prep Date: **6/17/2022** RunNo: **76242**
Client ID: **LCSW** Batch ID: **R76242** Analysis Date: **6/17/2022** SeqNo: **1564227**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	909	0.00675	1,000	0	90.9	68.9	131				
Ethene	974	0.0146	1,000	0	97.4	72	129				
Ethane	984	0.0151	1,000	0	98.4	73.4	128				

Sample ID: **MB-R76242** SampType: **MBLK** Units: **mg/L** Prep Date: **6/17/2022** RunNo: **76242**
Client ID: **MBLKW** Batch ID: **R76242** Analysis Date: **6/17/2022** SeqNo: **1564185**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	ND	0.00675									
Ethene	ND	0.0146									
Ethane	ND	0.0151									

Sample ID: **2206159-003DREP** SampType: **REP** Units: **mg/L** Prep Date: **6/17/2022** RunNo: **76242**
Client ID: **BATCH** Batch ID: **R76242** Analysis Date: **6/17/2022** SeqNo: **1564164**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	1.76	0.00675						1.807	2.54	30	E
Ethene	ND	0.0146						0		30	
Ethane	0.0169	0.0151						0.01747	3.41	30	

Sample Log-In Check List

Client Name:	FB	Work Order Number:	2206176
Logged by:	Gabrielle Coeuille	Date Received:	6/9/2022 3:40:00 PM

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No	☐	Not Present ☐
2.	How was the sample delivered?	FedEx				

Log In

3.	Coolers are present?	Yes	☑	No	☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes	☑	No	☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No	☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes	☑	No	☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☑	No	☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes	☑	No	☐	
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No	☐	
10.	Are samples properly preserved?	Yes	☑	No	☐	
11.	Was preservative added to bottles?	Yes	☐	No	☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes	☐	No	☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No	☐	
14.	Does paperwork match bottle labels?	Yes	☑	No	☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No	☐	
16.	Is it clear what analyses were requested?	Yes	☑	No	☐	
17.	Were all holding times able to be met?	Yes	☐	No	☑	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☑	No	☐	NA ☐

Person Notified:	Michael Erdahl	Date:	
By Whom:	Gabrielle Coeuille	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Samples received out of hold.		
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	3.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

2206176

Page # 1 of 1

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 merdahl@friedmanandbruya.com

SUBCONTRACTER Fremont

PROJECT NAME/NO.	PO #
206150	C-210

REMARKS

Please Email Results

TURNAROUND TIME

☒ Standard TAT

☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED: Dioxins/Furans	EPH	VPH	8260C MEE	Sulfide	Nitrate	Alkalinity	Fe^{2+}	TOC		Notes
MW07-20220607		6/7/22	1620	H_2O					x	x	x	x	x	x		
MW04-20220607		6/7/22	1640	H_2O					x	x	x	x	x	x		

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	6/9/22	0808
Received by:		Melanie Esparza	FAI	6/9/22	15:40
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 24, 2022

Levi Fernandes, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Mr Fernandes:

Included are the results from the testing of material submitted on June 10, 2022 from the SOU_0731-004-08_ 20220610, F&BI 206216 project. There are 36 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Linnea Coleman
SOU0624R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 10, 2022 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-004-08_ 20220610, F&BI 206216 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
206216 -01	MW26-20220608
206216 -02	MW27-20220608
206216 -03	MW13-20220608
206216 -04	IW06-20220609
206216 -05	IW04-20220609
206216 -06	MW28-20220609
206216 -07	MW99-20220609
206216 -08	IW50-20220609
206216 -09	MW19-20220609
206216 -10	MW21-20220609
206216 -11	MW18-20220609
206216 -12	MW24-20220609
206216 -13	MW25-20220609
206216 -14	MW22-20220609
206216 -15	IW61-20220609

The samples were sent to Fremont Analytical for dissolved gasses, TOC, sulfate, nitrate, alkalinity, and ferrous iron analysis, as requested on the chain of custody. The report is enclosed.

All quality control requirements were acceptable.

Date of Report: 06/24/22
Date Received: 06/10/22
Project: SOU_0731-004-08_ 20220610, F&BI 206216
Date Extracted: 06/16/22
Date Analyzed: 06/16/22 and 06/20/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
MW13-20220608 206216-03	<100	64
MW28-20220609 206216-06	<100	60
MW21-20220609 206216-10	210	92
MW22-20220609 206216-14	<100	58
Method Blank 02-1159 MB	<100	95

Date of Report: 06/24/22
Date Received: 06/10/22
Project: SOU_0731-004-08_ 20220610, F&BI 206216
Date Extracted: 06/14/22 and 06/16/22
Date Analyzed: 06/14/22 and 06/16/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
MW13-20220608 206216-03	<50	<250	113
MW28-20220609 206216-06	190	350	121
MW21-20220609 206216-10	47,000 x	3,700 x	128
MW22-20220609 206216-14	7,800 x	630 x	135
Method Blank 02-1410 MB	<50	<250	141
Method Blank 02-1420 MB	<50	<250	128

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW26-20220608	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-01 x100
Date Analyzed:	06/13/22	Data File:	206216-01 x100.130
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	7,330
Manganese	587

Analysis For Total Metals By EPA Method 200.8

Client ID:	IW04-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-05 x100
Date Analyzed:	06/13/22	Data File:	206216-05 x100.131
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	16,200
Manganese	10,600

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW28-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-06 x20
Date Analyzed:	06/15/22	Data File:	206216-06 x20.072
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	2,840
Manganese	678

Analysis For Total Metals By EPA Method 200.8

Client ID:	IW50-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-08 x200
Date Analyzed:	06/15/22	Data File:	206216-08 x200.073
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	12,900
Manganese	13,400

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW19-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-09 x100
Date Analyzed:	06/15/22	Data File:	206216-09 x100.115
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	16,900
Manganese	9,700

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW18-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-11 x100
Date Analyzed:	06/15/22	Data File:	206216-11 x100.116
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	15,800
Manganese	9,920

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW24-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-12 x200
Date Analyzed:	06/15/22	Data File:	206216-12 x200.117
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	12,600
Manganese	20,800

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW25-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-13 x100
Date Analyzed:	06/15/22	Data File:	206216-13 x100.118
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	8,990
Manganese	9,180

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW22-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-14 x100
Date Analyzed:	06/15/22	Data File:	206216-14 x100.119
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	14,500
Manganese	10,600

Analysis For Total Metals By EPA Method 200.8

Client ID:	IW61-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	206216-15 x100
Date Analyzed:	06/15/22	Data File:	206216-15 x100.120
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	20,700
Manganese	13,200

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/13/22	Lab ID:	I2-417 mb
Date Analyzed:	06/13/22	Data File:	I2-417 mb.040
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	<50
Manganese	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW26-20220608	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-01
Date Analyzed:	06/16/22	Data File:	061608.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	71	132
Toluene-d8	91	68	139
4-Bromofluorobenzene	104	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.038
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	3.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW27-20220608	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-02
Date Analyzed:	06/16/22	Data File:	061609.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	71	132
Toluene-d8	86	68	139
4-Bromofluorobenzene	100	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	2.7
Trichloroethene	16
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW13-20220608	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-03
Date Analyzed:	06/17/22	Data File:	061747.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	71	132
Toluene-d8	91	68	139
4-Bromofluorobenzene	96	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	0.86
Tetrachloroethene	5.0

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	IW06-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-04
Date Analyzed:	06/16/22	Data File:	061610.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	94	68	139
4-Bromofluorobenzene	104	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	IW04-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-05
Date Analyzed:	06/16/22	Data File:	061611.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	95	68	139
4-Bromofluorobenzene	100	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.34
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW28-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-06
Date Analyzed:	06/18/22	Data File:	061748.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	118	71	132
Toluene-d8	91	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.082
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	23
Trichloroethene	1.4
Tetrachloroethene	2.7

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW99-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-07
Date Analyzed:	06/18/22	Data File:	061749.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	91	68	139
4-Bromofluorobenzene	105	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	4.0
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	9.5
Trichloroethene	1.3
Tetrachloroethene	1.3

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	IW50-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-08
Date Analyzed:	06/16/22	Data File:	061612.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	99	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.4
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	6.9
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW19-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-09
Date Analyzed:	06/18/22	Data File:	061750.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	71	132
Toluene-d8	93	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.9
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW21-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-10
Date Analyzed:	06/18/22	Data File:	061751.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	71	132
Toluene-d8	94	68	139
4-Bromofluorobenzene	92	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.9
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	12
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW18-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-11
Date Analyzed:	06/18/22	Data File:	061752.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	96	68	139
4-Bromofluorobenzene	100	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.6
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW24-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-12
Date Analyzed:	06/21/22	Data File:	062132.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	97	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	74
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW25-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-13
Date Analyzed:	06/18/22	Data File:	061753.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	71	132
Toluene-d8	92	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	4.1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	9.6
Trichloroethene	1.3
Tetrachloroethene	1.3

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW22-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-14
Date Analyzed:	06/21/22	Data File:	062133.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	71	132
Toluene-d8	98	68	139
4-Bromofluorobenzene	96	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.3
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	52
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	IW61-20220609	Client:	SoundEarth Strategies
Date Received:	06/10/22	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	206216-15
Date Analyzed:	06/16/22	Data File:	061613.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	93	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	3.2
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	25
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_0731-004-08_ 20220610
Date Extracted:	06/16/22	Lab ID:	02-1391 mb
Date Analyzed:	06/16/22	Data File:	061607.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	111	71	132
Toluene-d8	96	68	139
4-Bromofluorobenzene	110	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Date of Report: 06/24/22
Date Received: 06/10/22
Project: SOU_0731-004-08_ 20220610, F&BI 206216

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 206264-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	95	69-134

Date of Report: 06/24/22
Date Received: 06/10/22
Project: SOU_0731-004-08_ 20220610, F&BI 206216

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	104	112	63-142	7

Date of Report: 06/24/22
Date Received: 06/10/22
Project: SOU_0731-004-08_ 20220610, F&BI 206216

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	93	100	63-142	7

Date of Report: 06/24/22
Date Received: 06/10/22
Project: SOU_0731-004-08_ 20220610, F&BI 206216

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 206173-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Iron	ug/L (ppb)	100	2,510	168 b	186 b	70-130	10
Manganese	ug/L (ppb)	20	570	130	140 b	70-130	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Iron	ug/L (ppb)	100	86	85-115
Manganese	ug/L (ppb)	20	104	85-115

Date of Report: 06/24/22
Date Received: 06/10/22
Project: SOU_0731-004-08_ 20220610, F&BI 206216

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 206216-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	0.038	103	16-176
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	96	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	97	50-150
Trichloroethene	ug/L (ppb)	10	3.5	90 b	43-133
Tetrachloroethene	ug/L (ppb)	10	<1	100	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	97	98	70-130	1
trans-1,2-Dichloroethene	ug/L (ppb)	10	94	95	70-130	1
cis-1,2-Dichloroethene	ug/L (ppb)	10	96	92	70-130	4
Trichloroethene	ug/L (ppb)	10	92	92	70-130	0
Tetrachloroethene	ug/L (ppb)	10	97	100	70-130	3

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

206 216

SAMPLE CHAIN OF CUSTODY

06-10-22

Page # 1 of 2 [illegible]

Send Report To Levi Fernandes, Linnea Coleman

Company SoundEarth Strategies

Address 2811 Fairview Ave E, Suite 2000

City, State, ZIP Seattle, WA 98102

SAMPLERS (signature) [illegible]

PROJECT NAME/NO.	PO #
Troy Laundry Property	0731-004-08
REMARKS *cVOCs = PCE, TCE, Cis/Trans-DCE, and VC	EIM Y

TURNAROUND TIME

[✓ Standard (2 Weeks)]

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

[✓ Dispose after 30 days]

Return samples

Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs * by EPA 8260C	Methane, Ethane, Ethene by RSK175	Sulfate, Nitrate, Alkalinity by SM1845/SM2320B	Total Fe and Mn by EPA 200.8	Fe 2+ by SM 3500	TOC By EPA 415.1	Notes
MW26-20220608	MW26	–	01 A-E	6/8/22	0935	H_2O	11				X	X	X	X	X	X	
MW27-20220608	MW27	–	02 A-C		1117		3				X						Time 1146
MW13-20220608	MW13	–	03 A-E		1230		5	X		X	X						
IW06-20220609	IW06	–	04 A-C	6/9/22	0818		3				X						Time 0838
IW04-20220609	IW04	–	05 A-D		0922		7				X		X	X	X	X	
MW28-20220609	MW28	–	06 A-F		1140		12	X		X	X	X	X	X	X		
MW99-20220609	MW99	–	07 A-C		1200		3				X						
IW50-20220609	IW50	–	08 A-D		1545		10				X	X	X	X	X	X	
MW19-20220609	MW19	–	09 A-D		1615		9				X	X	X	X	X		
MW21-20220609	MW21	–	10 A-E		1703		9	X		X	X	X				X	
MW18-20220609	MW18	–	11 A-D		1800		10				X	X	X	X	X	X	Time 1600
MW24-20220609	MW24	–	12		1842		10				X	X	X	X	X	X	
MW25-20220609	MW25	–	13		1950		10				X	X	X	X	X	X	

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [illegible]	Linnea Coleman	SES	6/10/22	1500
Received by: [illegible]	Liz Webber-Bruya	F&B	6/10/22	1500
Relinquished by:				
Received by:	Samples received at 4 °C			

206216

SAMPLE CHAIN OF CUSTODY

06-10-22

Send Report To: Levi Fernandes, Linnea Coleman

Company: SoundEarth Strategies

Address: 2811 Fairview Ave E, Suite 2000

City, State, ZIP: Seattle, WA 98102

SAMPLERS (signature)	
PROJECT NAME/NO. Troy Laundry Property	PO # 0731-004-08
REMARKS *cVOCs = PCE, TCE, Cis/Trans-DCE, and VC	EIM Y

Page # 2 of 2 B03/A16/WW6

TURNAROUND TIME
- Standard (2 Weeks) (circled)
- RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ⊗ Dispose after 30 days
- Return samples
- Will call with instructions

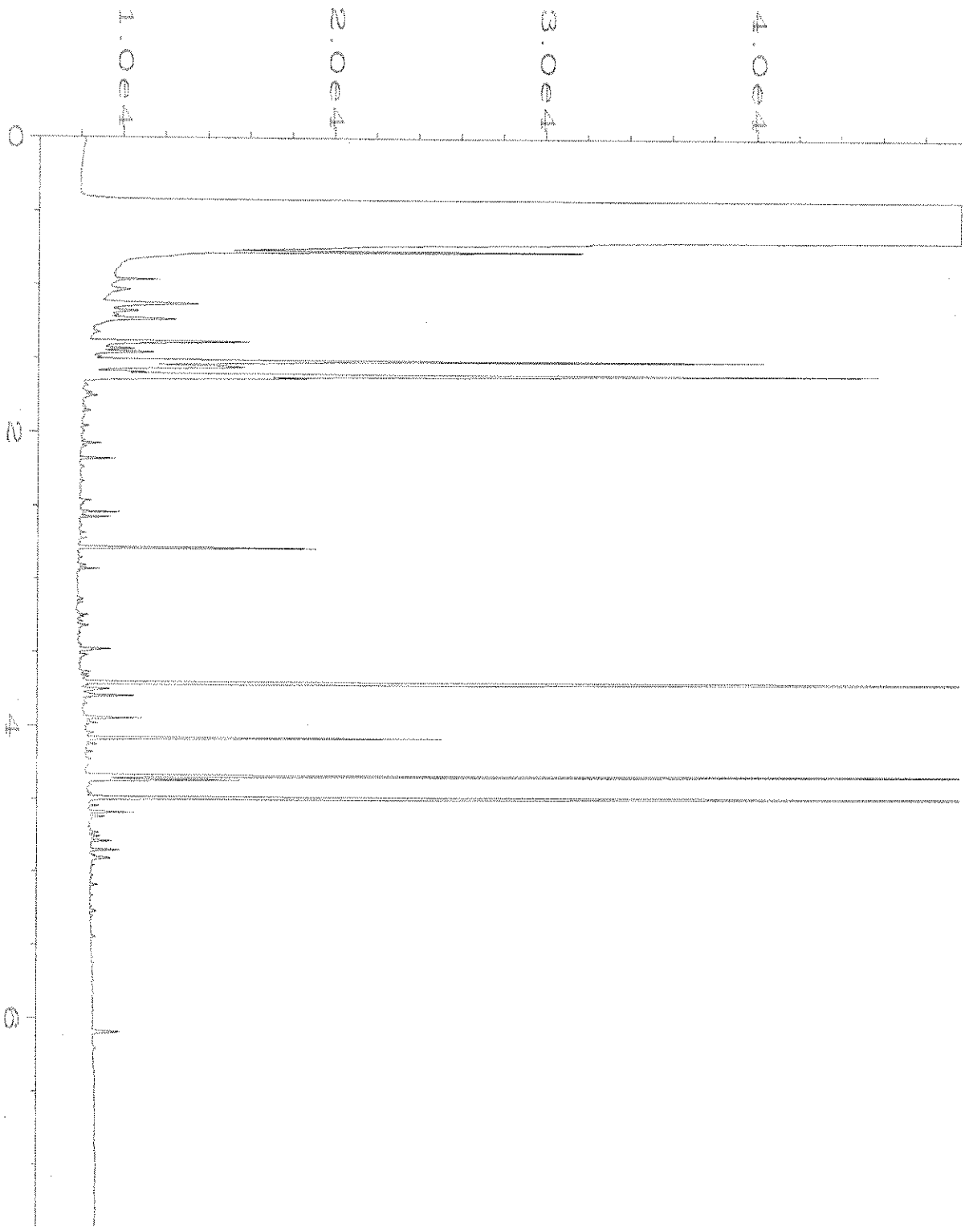
Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs * by EPA 8260C	Methane, Ethane, Ethene by RSK175	Sulfate, Nitrate, Alkalinity by SM1845/SM2320B	Total Fe and Mn by EPA 200.8	Fe 2+ by SM 3500	TOC By EPA 415.1	Notes
MW22-20220609	MW22	–	14 A-E	6/9/22	2008	H_2O	12	X		X	X	X	X	X	X	X	
~~MW~~ IW61-20220609	IW61	–	15 A-D	"	2140	" "	10				X	X	X	X	X	X	

LGC 6/10/22

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

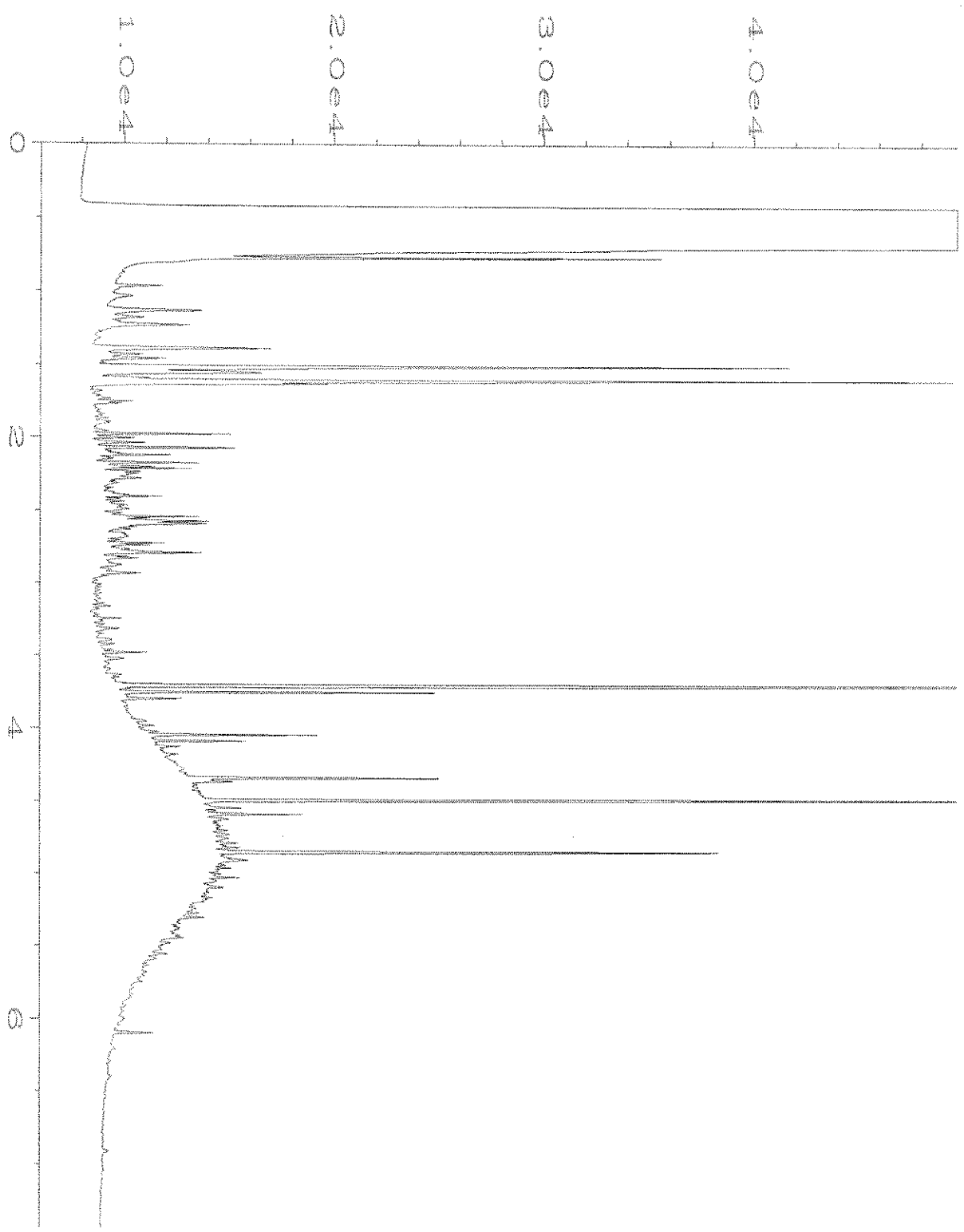
SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Linnea Coleman	SES	6/10/22	1500
Received by: [signature]	Liz Webber-Bruya	F&B	6/10/22	1500
Relinquished by:				
Received by:				

Samples received at 4 °C

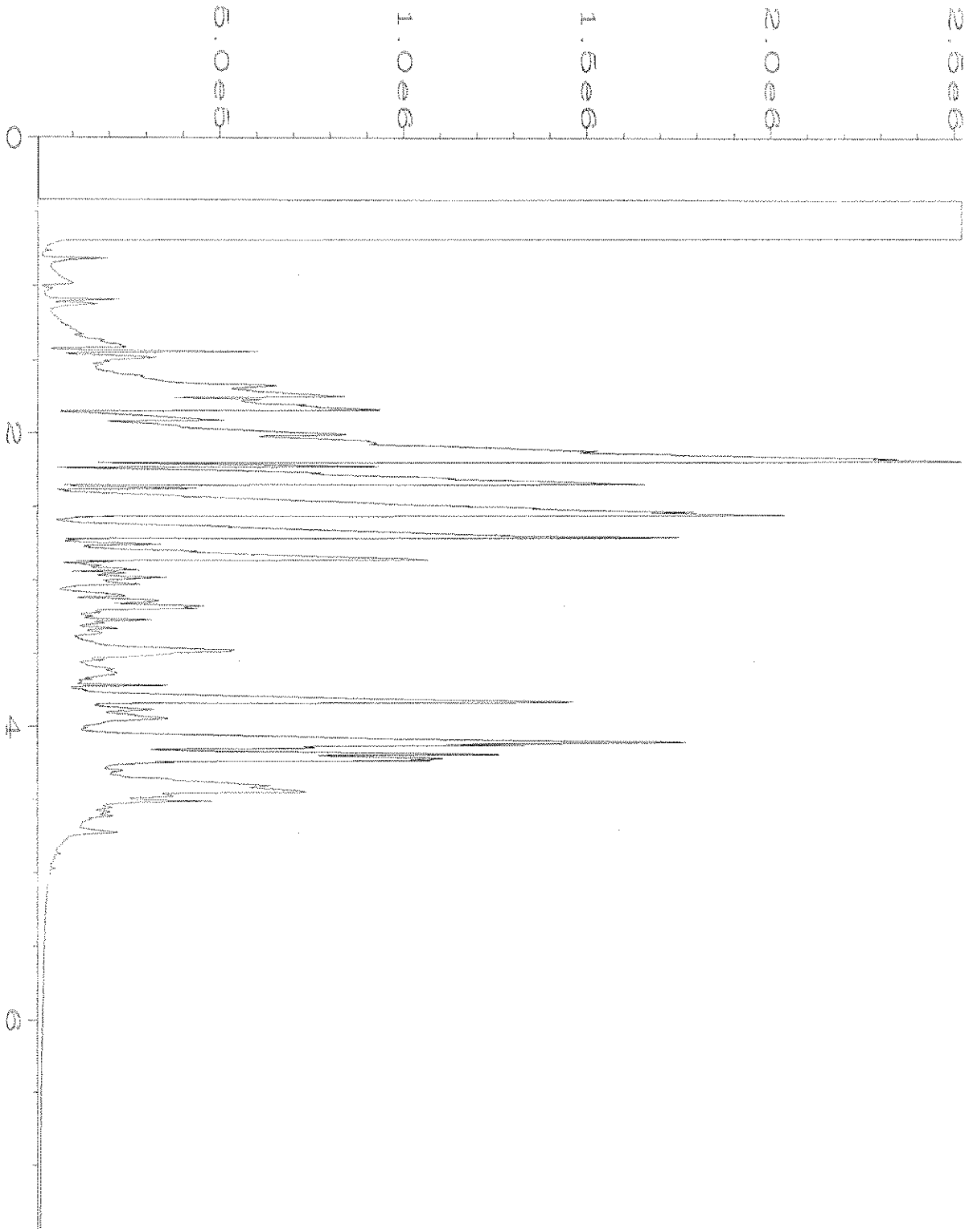


Data File Name : C:\HPCHEM\1\DATA\06-14-22\058F1901.D
Operator : TL
Instrument : GC1
Sample Name : 206216-03
Run Time Bar Code:
Acquired on : 15 Jun 22 00:55 AM
Report Created on: 15 Jun 22 11:25 AM

Page Number : 1
Vial Number : 58
Injection Number : 1
Sequence Line : 19
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

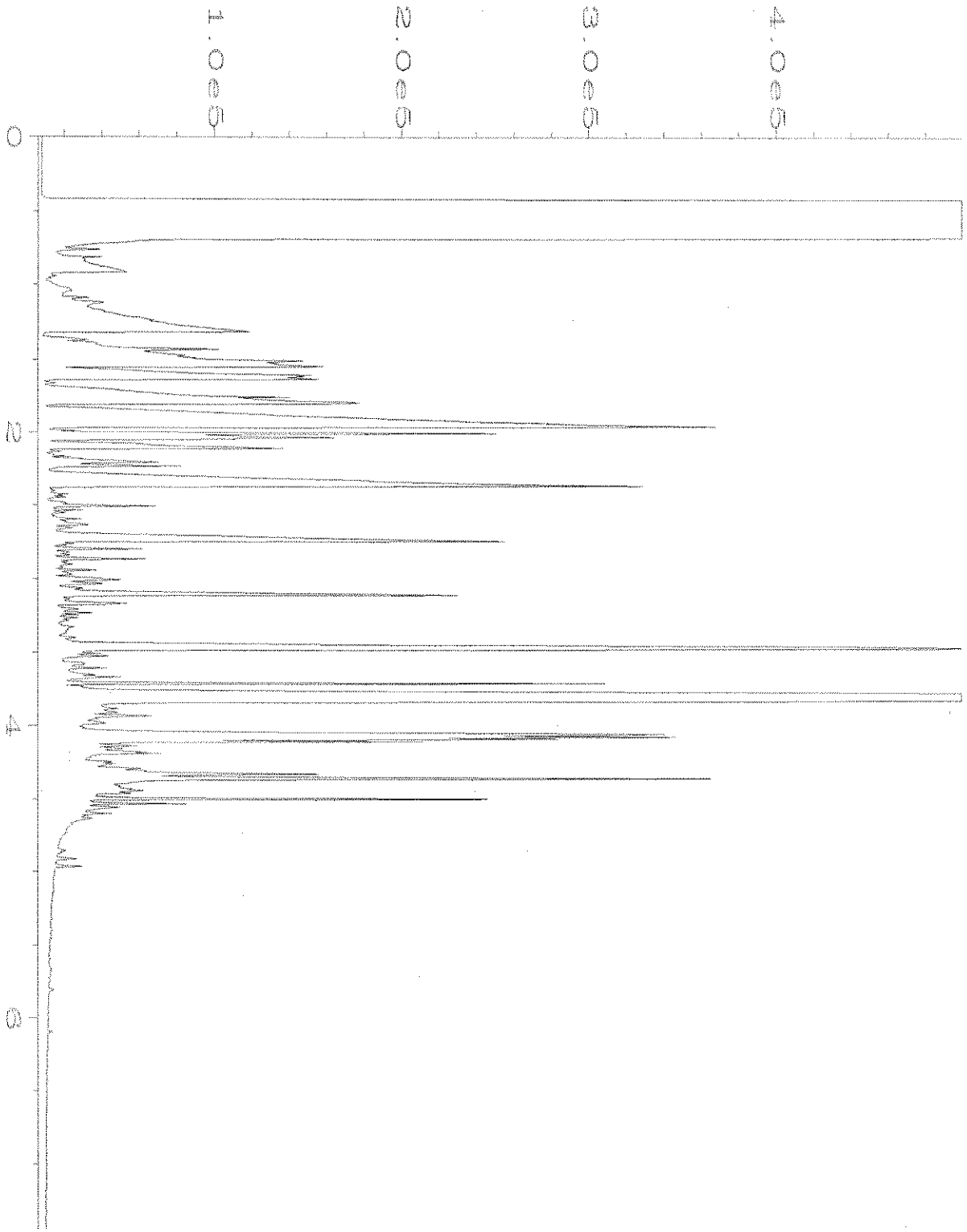


Data File Name	: C:\HPCHEM\1\DATA\06-14-22\059F1901.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 59
Sample Name	: 206216-06	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 19
Acquired on	: 15 Jun 22 01:09 AM	Instrument Method	: DX.MTH
Report Created on	: 15 Jun 22 11:25 AM	Analysis Method	: DEFAULT.MTH



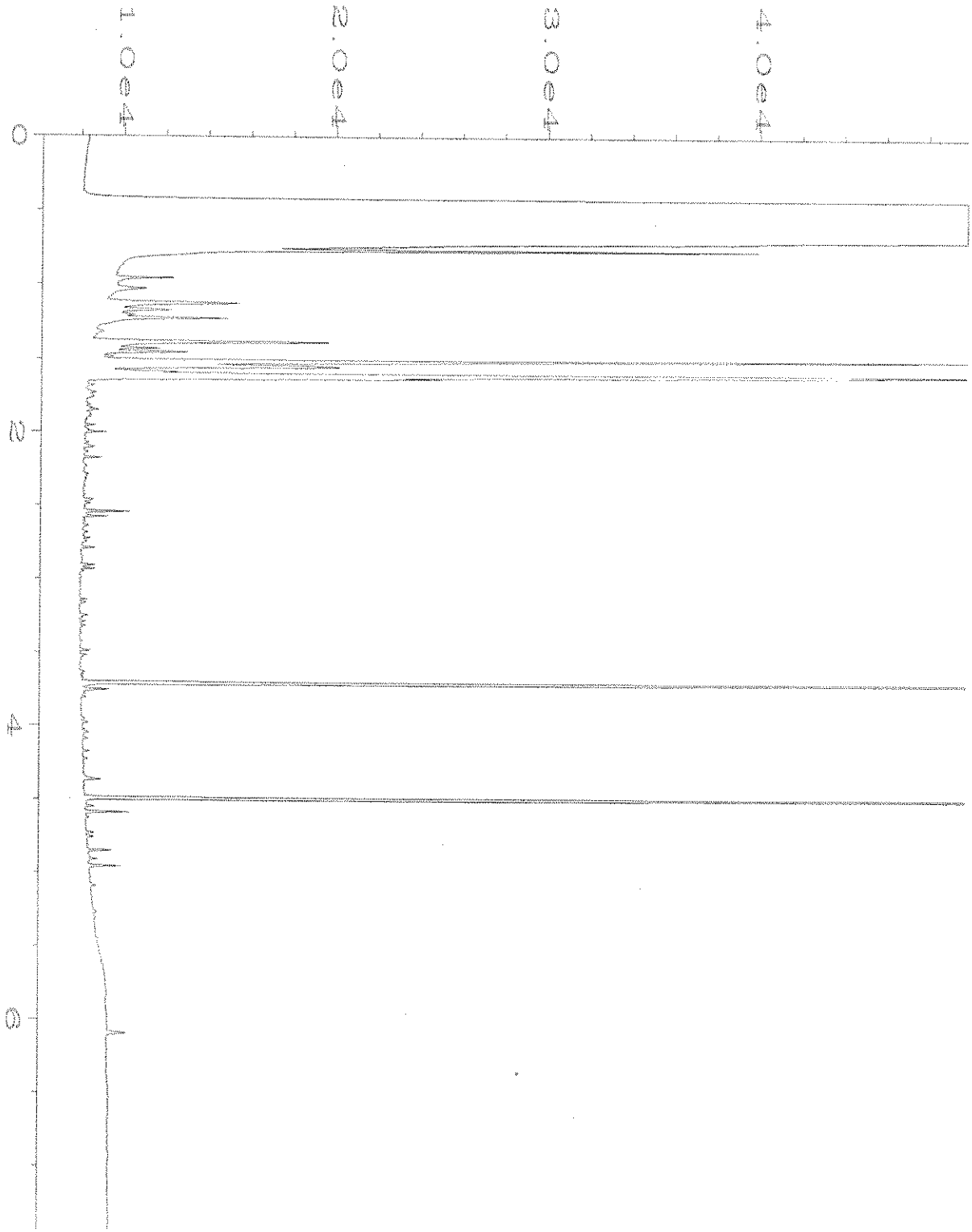
Data File Name : C:\HPCHEM\1\DATA\06-14-22\060F1901.D
Operator : TL
Instrument : GC1
Sample Name : 206218-10
Run Time Bar Code: 6 J10615
Acquired on : 15 Jun 22 01:24 AM
Report Created on: 15 Jun 22 11:26 AM

Page Number : 1
Vial Number : 60
Injection Number : 1
Sequence Line : 19
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH



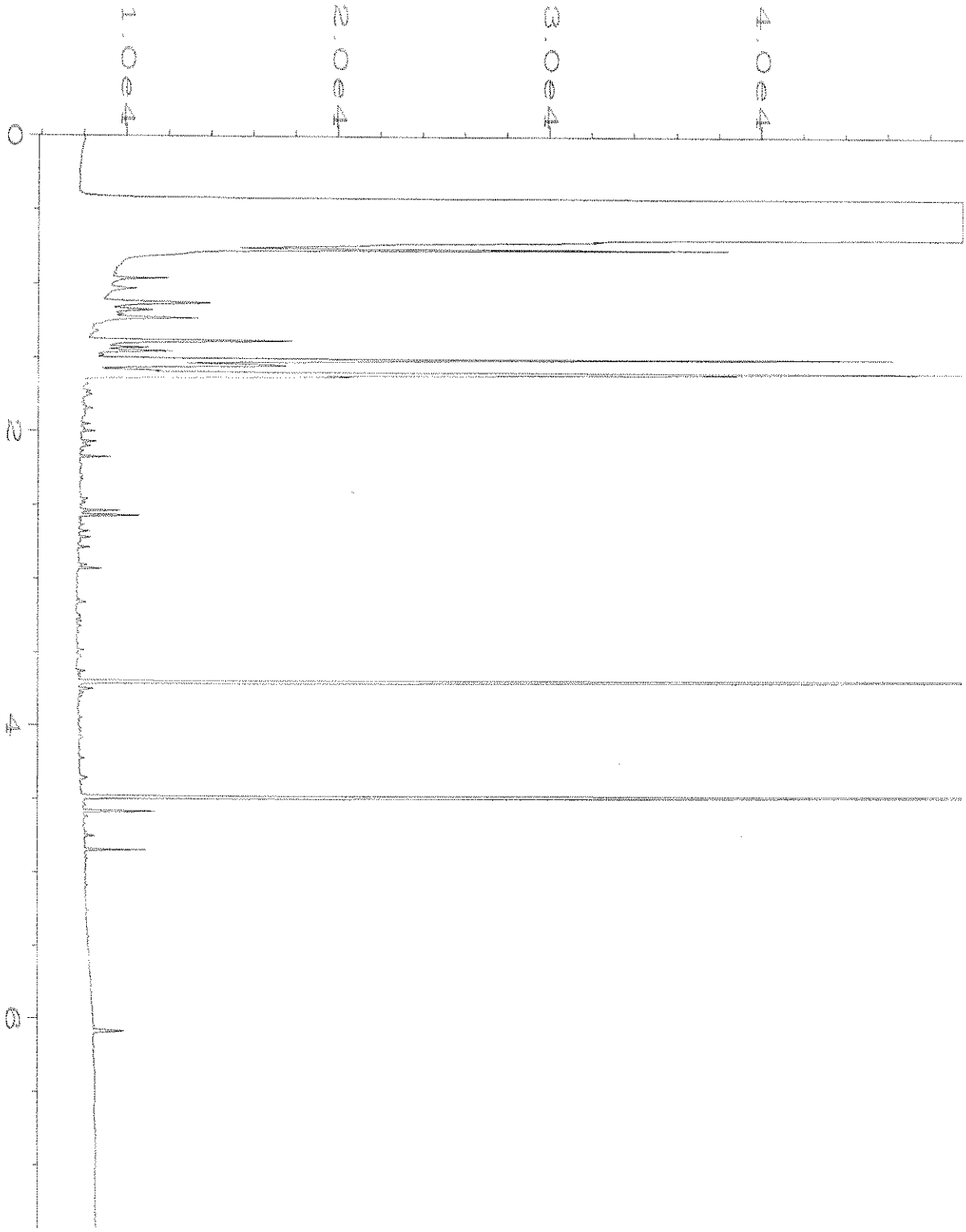
Data File Name : C:\HPCHEM\1\DATA\06-16-22\055F1401.D
Operator : TL
Instrument : GC1
Sample Name : 206216-14
Run Time Bar Code:
Acquired on : 16 Jun 22 11:56 PM
Report Created on: 17 Jun 22 10:45 AM

Page Number : 1
Vial Number : 55
Injection Number : 1
Sequence Line : 14
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

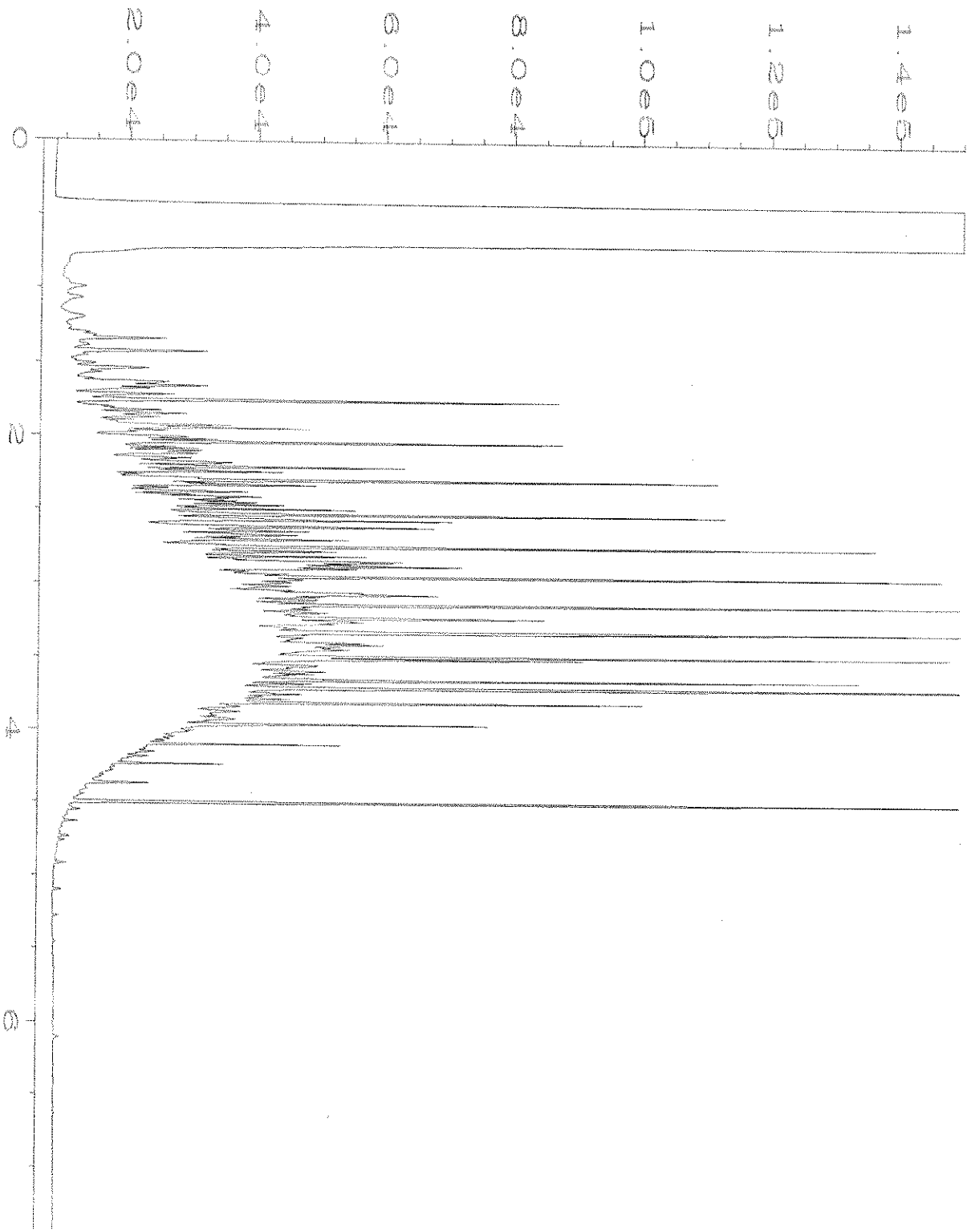


Data File Name : C:\HPCHEM\1\DATA\06-16-22\053F1401.D
Operator : TL
Instrument : GC1
Sample Name : 02-1420 mb
Run Time Bar Code:
Acquired on : 16 Jun 22 11:26 PM
Report Created on: 17 Jun 22 10:46 AM

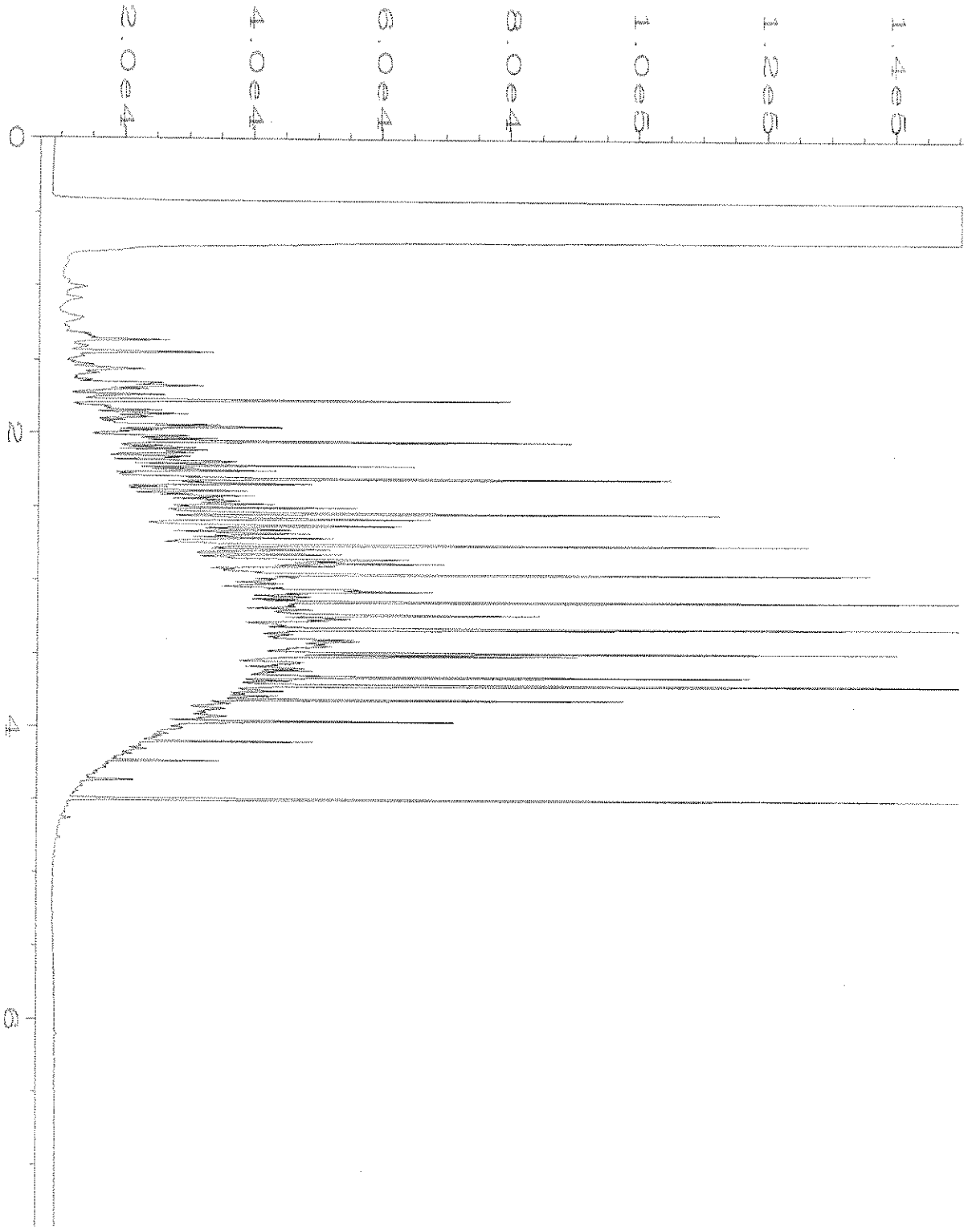
Page Number : 1
Vial Number : 53
Injection Number : 1
Sequence Line : 14
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH



Data File Name	: C:\HPCHEM\1\DATA\06-14-22\048F1701.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 48
Sample Name	: 02-1410 mb	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 17
Acquired on	: 14 Jun 22 09:56 PM	Instrument Method	: DX.MTH
Report Created on	: 15 Jun 22 11:26 AM	Analysis Method	: DEFAULT.MTH



Data File Name	: C:\HPCHEM\1\DATA\06-14-22\003F0201.D		
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 3
Sample Name	: 500 Dx 65-122F	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 14 Jun 22 05:55 AM	Instrument Method	: DX.MTH
Report Created on	: 15 Jun 22 11:26 AM	Analysis Method	: DEFAULT.MTH



Data File Name : C:\HPCHEM\1\DATA\06-16-22\003F0201.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 65-122F
Run Time Bar Code:
Acquired on : 16 Jun 22 05:53 AM
Report Created on: 17 Jun 22 10:45 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Friedman & Bruya
Michael Erdahl
3012 16th Ave. W.
Seattle, WA 98119

RE: 206216
Work Order Number: 2206233

June 21, 2022

Attention Michael Erdahl:

Fremont Analytical, Inc. received 11 sample(s) on 6/13/2022 for the analyses presented in the following report.

Dissolved Gases by RSK-175
Ferrous Iron by SM3500-Fe B
Ion Chromatography by EPA Method 300.0
Total Alkalinity by SM 2320B
Total Organic Carbon by SM 5310C

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *06/21/2022*

CLIENT: Friedman & Bruya
Project: 206216
Work Order: 2206233

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2206233-001	MW26-20220608	06/08/2022 9:35 AM	06/13/2022 10:57 AM
2206233-002	IW04-20220609	06/09/2022 9:22 AM	06/13/2022 10:57 AM
2206233-003	MW28-20220609	06/09/2022 11:40 AM	06/13/2022 10:57 AM
2206233-004	IW50-20220609	06/09/2022 3:45 PM	06/13/2022 10:57 AM
2206233-005	MW19-20220609	06/09/2022 4:15 PM	06/13/2022 10:57 AM
2206233-006	MW21-20220609	06/09/2022 5:03 PM	06/13/2022 10:57 AM
2206233-007	MW18-20220609	06/09/2022 6:00 PM	06/13/2022 10:57 AM
2206233-008	MW24-20220609	06/09/2022 6:42 PM	06/13/2022 10:57 AM
2206233-009	MW25-20220609	06/09/2022 7:50 PM	06/13/2022 10:57 AM
2206233-010	MW22-20220609	06/09/2022 8:08 PM	06/13/2022 10:57 AM
2206233-011	IW61-20220609	06/09/2022 9:40 PM	06/13/2022 10:57 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2206233**
Date: **6/21/2022**

CLIENT: Friedman & Bruya
Project: 206216

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Collection Date: 6/8/2022 9:35:00 AM
Project: 206216
Lab ID: 2206233-001
Matrix: Water
Client Sample ID: **MW26-20220608**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	0.00805	0.00675		mg/L	1	6/20/2022 4:07:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:07:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:07:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36808		Analyst: ALT
Nitrate (as N)	3.00	1.00	DH	mg/L	10	6/14/2022 5:36:00 PM
Sulfate	17.8	6.00	D	mg/L	10	6/14/2022 5:36:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	1.99	0.500		mg/L	1	6/16/2022 2:24:00 PM
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	85.5	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	1.17	0.100	H	mg/L	1	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Project: 206216
Lab ID: 2206233-002
Client Sample ID: **IW04-20220609**

Collection Date: 6/9/2022 9:22:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/16/2022 10:59:00 PM
Sulfate	ND	3.00	D	mg/L	5	6/16/2022 10:59:00 PM
NOTES: Diluted due to matrix.						
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	75.6	2.00	D	mg/L	4	6/16/2022 2:55:00 PM
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	460	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	22.2	2.50	DH	mg/L	25	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Collection Date: 6/9/2022 11:40:00 AM
Project: 206216
Lab ID: 2206233-003
Matrix: Water
Client Sample ID: **MW28-20220609**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	0.0343	0.00675		mg/L	1	6/20/2022 4:10:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:10:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:10:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/16/2022 11:23:00 PM
Sulfate	7.32	3.00	D	mg/L	5	6/16/2022 11:23:00 PM
NOTES: Diluted due to matrix.						
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	267	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	1.14	0.100	H	mg/L	1	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Project: 206216
Lab ID: 2206233-004
Client Sample ID: **IW50-20220609**

Collection Date: 6/9/2022 3:45:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	5.34	0.338	D	mg/L	50	6/20/2022 4:31:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:12:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:12:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/16/2022 11:46:00 PM
Sulfate	ND	3.00	D	mg/L	5	6/16/2022 11:46:00 PM
NOTES: Diluted due to matrix.						
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	13.5	0.500		mg/L	1	6/16/2022 3:25:00 PM
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	477	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	19.3	1.00	DH	mg/L	10	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Collection Date: 6/9/2022 4:15:00 PM
Project: 206216
Lab ID: 2206233-005
Matrix: Water
Client Sample ID: **MW19-20220609**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	6.70	0.338	D	mg/L	50	6/20/2022 4:34:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:14:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:14:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/17/2022 12:09:00 AM
Sulfate	ND	3.00	D	mg/L	5	6/17/2022 12:09:00 AM
NOTES: Diluted due to matrix.						
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	373	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	24.2	2.50	DH	mg/L	25	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Project: 206216
Lab ID: 2206233-006
Client Sample ID: **MW21-20220609**

Collection Date: 6/9/2022 5:03:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	6.57	0.338	D	mg/L	50	6/20/2022 4:36:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:16:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:16:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	123	2.00	D	mg/L	4	6/17/2022 12:44:00 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Collection Date: 6/9/2022 6:00:00 PM
Project: 206216
Lab ID: 2206233-007
Matrix: Water
Client Sample ID: **MW18-20220609**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	12.9	0.338	D	mg/L	50	6/20/2022 4:40:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:19:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:19:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/17/2022 12:32:00 AM
Sulfate	ND	3.00	D	mg/L	5	6/17/2022 12:32:00 AM
NOTES: Diluted due to matrix.						
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	7.97	0.500		mg/L	1	6/16/2022 4:20:00 PM
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	487	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	17.3	2.50	DH	mg/L	25	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Collection Date: 6/9/2022 6:42:00 PM
Project: 206216
Lab ID: 2206233-008
Matrix: Water
Client Sample ID: **MW24-20220609**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	5.44	0.338	D	mg/L	50	6/20/2022 4:42:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:23:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:23:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/17/2022 12:55:00 AM
Sulfate	ND	3.00	D	mg/L	5	6/17/2022 12:55:00 AM
NOTES: Diluted due to matrix.						
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	5.79	0.500		mg/L	1	6/16/2022 4:40:00 PM
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	442	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	16.3	2.50	DH	mg/L	25	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Collection Date: 6/9/2022 7:50:00 PM
Project: 206216
Lab ID: 2206233-009
Matrix: Water
Client Sample ID: **MW25-20220609**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	6.99	0.338	D	mg/L	50	6/20/2022 4:45:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:25:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:25:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/17/2022 1:18:00 AM
Sulfate	21.7	3.00	D	mg/L	5	6/17/2022 1:18:00 AM
NOTES: Diluted due to matrix.						
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	2.29	0.500		mg/L	1	6/16/2022 5:03:00 PM
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	352	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	6.18	2.50	DH	mg/L	25	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Collection Date: 6/9/2022 8:08:00 PM
Project: 206216
Lab ID: 2206233-010
Matrix: Water
Client Sample ID: **MW22-20220609**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	4.07	0.135	D	mg/L	20	6/20/2022 4:49:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:27:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:27:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/17/2022 1:41:00 AM
Sulfate	ND	3.00	D	mg/L	5	6/17/2022 1:41:00 AM
NOTES: Diluted due to matrix.						
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	42.0	0.500		mg/L	1	6/16/2022 5:26:00 PM
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	304	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	19.0	2.50	DH	mg/L	25	6/14/2022 2:56:43 PM

Analytical Report

Work Order: **2206233**
Date Reported: **6/21/2022**

Client: Friedman & Bruya
Project: 206216
Lab ID: 2206233-011
Client Sample ID: **IW61-20220609**

Collection Date: 6/9/2022 9:40:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R76292		Analyst: MS
Methane	4.12	0.338	D	mg/L	50	6/20/2022 4:52:00 PM
Ethene	ND	0.0146		mg/L	1	6/20/2022 4:29:00 PM
Ethane	ND	0.0151		mg/L	1	6/20/2022 4:29:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 36832		Analyst: ALT
Nitrate (as N)	ND	0.500	DH	mg/L	5	6/17/2022 2:05:00 AM
Sulfate	ND	3.00	D	mg/L	5	6/17/2022 2:05:00 AM
NOTES: Diluted due to matrix.						
Total Organic Carbon by SM 5310C				Batch ID: R76207		Analyst: TN
Total Organic Carbon	81.8	2.00	D	mg/L	4	6/16/2022 5:50:00 PM
Total Alkalinity by SM 2320B				Batch ID: R76090		Analyst: TN
Alkalinity, Total (As CaCO3)	472	2.50		mg/L	1	6/13/2022 9:39:13 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R76140		Analyst: SLL
Ferrous Iron	29.0	2.50	DH	mg/L	25	6/14/2022 2:56:43 PM

Work Order: 2206233
CLIENT: Friedman & Bruya
Project: 206216

QC SUMMARY REPORT

Total Alkalinity by SM 2320B

Sample ID: **MB-R76090**	SampType: **MBLK**			Units: **mg/L**		Prep Date: **6/13/2022**		RunNo: **76090**		
Client ID: **MBLKW**	Batch ID: **R76090**					Analysis Date: **6/13/2022**		SeqNo: **1560202**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	ND	2.50									

Sample ID: **LCS-R76090**	SampType: **LCS**			Units: **mg/L**		Prep Date: **6/13/2022**		RunNo: **76090**		
Client ID: **LCSW**	Batch ID: **R76090**					Analysis Date: **6/13/2022**		SeqNo: **1560203**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	110	2.50	100.0	0	110	84	121				

Sample ID: **2206207-001CDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **6/13/2022**		RunNo: **76090**		
Client ID: **BATCH**	Batch ID: **R76090**					Analysis Date: **6/13/2022**		SeqNo: **1560205**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	82.6	2.50						76.60	7.49	20	

Sample ID: **2206214-006BDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **6/13/2022**		RunNo: **76090**		
Client ID: **BATCH**	Batch ID: **R76090**					Analysis Date: **6/13/2022**		SeqNo: **1560506**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	197	2.50						192.7	2.30	20	

Work Order: 2206233
CLIENT: Friedman & Bruya
Project: 206216

QC SUMMARY REPORT

Ferrous Iron by SM3500-Fe B

Sample ID: **MB-R76140**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76140**
Client ID: **MBLKW**	Batch ID: **R76140**		Analysis Date: **6/14/2022**	SeqNo: **1561660**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	ND	0.100									

Sample ID: **LCS-R76140**	SampType: **LCS**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76140**
Client ID: **LCSW**	Batch ID: **R76140**		Analysis Date: **6/14/2022**	SeqNo: **1561661**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	0.424	0.100	0.4000	0	106	85	115				

Sample ID: **2206233-001CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76140**
Client ID: **MW26-20220608**	Batch ID: **R76140**		Analysis Date: **6/14/2022**	SeqNo: **1561663**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	1.26	0.100						1.172	7.54	20	H

Sample ID: **2206233-001CMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76140**
Client ID: **MW26-20220608**	Batch ID: **R76140**		Analysis Date: **6/14/2022**	SeqNo: **1561664**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	1.71	0.100	0.4000	1.172	134	70	130				SH

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Sample ID: **2206233-001CMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76140**
Client ID: **MW26-20220608**	Batch ID: **R76140**		Analysis Date: **6/14/2022**	SeqNo: **1561665**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	1.69	0.100	0.4000	1.172	130	70	130	1.710	1.16	20	H

Work Order: 2206233
CLIENT: Friedman & Bruya
Project: 206216

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **MB-36808**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **MBLKW**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562894**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	0.100									
Sulfate	ND	0.600									

Sample ID: **LCS-36808**	SampType: **LCS**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **LCSW**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562895**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	0.716	0.100	0.7500	0	95.5	90	110				
Sulfate	3.54	0.600	3.750	0	94.5	90	110				

Sample ID: **2206233-004BDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **IW50-20220609**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562915**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	1.00						0		20	DH
Sulfate	ND	6.00						0		20	D

Sample ID: **2206233-004BMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **IW50-20220609**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562916**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	7.20	1.00	7.500	0	96.0	80	120				DH
Sulfate	36.8	6.00	37.50	2.870	90.3	80	120				D

Sample ID: **2206233-004BMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **6/14/2022**	RunNo: **76185**
Client ID: **IW50-20220609**	Batch ID: **36808**		Analysis Date: **6/14/2022**	SeqNo: **1562919**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	7.09	1.00	7.500	0	94.5	80	120	7.200	1.54	20	DH
Sulfate	36.8	6.00	37.50	2.870	90.6	80	120	36.75	0.217	20	D

Work Order: 2206233
CLIENT: Friedman & Bruya
Project: 206216

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **2206233-004BMSD** SampType: **MSD** Units: **mg/L** Prep Date: **6/14/2022** RunNo: **76185**
Client ID: **IW50-20220609** Batch ID: **36808** Analysis Date: **6/14/2022** SeqNo: **1562919**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2206233-009BDUP** SampType: **DUP** Units: **mg/L** Prep Date: **6/14/2022** RunNo: **76185**
Client ID: **MW25-20220609** Batch ID: **36808** Analysis Date: **6/14/2022** SeqNo: **1562924**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	2.00						0		20	DH
Sulfate	21.9	12.0						21.88	0.0914	20	D

Sample ID: **2206233-009BMS** SampType: **MS** Units: **mg/L** Prep Date: **6/14/2022** RunNo: **76185**
Client ID: **MW25-20220609** Batch ID: **36808** Analysis Date: **6/14/2022** SeqNo: **1562925**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	14.1	2.00	15.00	0	93.7	80	120				DH
Sulfate	92.0	12.0	75.00	21.88	93.5	80	120				D

Sample ID: **MB-36832** SampType: **MBLK** Units: **mg/L** Prep Date: **6/16/2022** RunNo: **76259**
Client ID: **MBLKW** Batch ID: **36832** Analysis Date: **6/16/2022** SeqNo: **1564503**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	0.100									
Sulfate	ND	0.600									

Sample ID: **LCS-36832** SampType: **LCS** Units: **mg/L** Prep Date: **6/16/2022** RunNo: **76259**
Client ID: **LCSW** Batch ID: **36832** Analysis Date: **6/16/2022** SeqNo: **1564504**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	0.718	0.100	0.7500	0	95.7	90	110				
Sulfate	3.52	0.600	3.750	0	93.9	90	110				

Work Order: 2206233
CLIENT: Friedman & Bruya
Project: 206216

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **2206300-001EDUP** SampType: **DUP** Units: **mg/L** Prep Date: **6/16/2022** RunNo: **76259**
Client ID: **BATCH** Batch ID: **36832** Analysis Date: **6/16/2022** SeqNo: **1564509**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	1.42	1.00						1.420	0	20	D
Sulfate	13.2	6.00						18.40	33.2	20	D

Sample ID: **2206300-001EMS** SampType: **MS** Units: **mg/L** Prep Date: **6/16/2022** RunNo: **76259**
Client ID: **BATCH** Batch ID: **36832** Analysis Date: **6/16/2022** SeqNo: **1564510**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	8.23	1.00	7.500	1.420	90.8	80	120				D
Sulfate	46.6	6.00	37.50	18.40	75.1	80	120				DS

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2206300-001EMSD** SampType: **MSD** Units: **mg/L** Prep Date: **6/16/2022** RunNo: **76259**
Client ID: **BATCH** Batch ID: **36832** Analysis Date: **6/16/2022** SeqNo: **1564511**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	8.25	1.00	7.500	1.420	91.1	80	120	8.230	0.243	20	D
Sulfate	46.6	6.00	37.50	18.40	75.3	80	120	46.56	0.172	20	DS

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2206310-001ADUP** SampType: **DUP** Units: **mg/L** Prep Date: **6/16/2022** RunNo: **76259**
Client ID: **BATCH** Batch ID: **36832** Analysis Date: **6/16/2022** SeqNo: **1564513**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	10.0						0		20	D
Sulfate	ND	60.0						0		20	D

Work Order: 2206233
CLIENT: Friedman & Bruya
Project: 206216

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **2206310-001AMS** SampType: **MS** Units: **mg/L** Prep Date: **6/16/2022** RunNo: **76259**
Client ID: **BATCH** Batch ID: **36832** Analysis Date: **6/16/2022** SeqNo: **1564516**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	70.0	10.0	75.00	0	93.3	80	120				D
Sulfate	344	60.0	375.0	28.00	84.4	80	120				D

Work Order: 2206233
CLIENT: Friedman & Bruya
Project: 206216

QC SUMMARY REPORT

Total Organic Carbon by SM 5310C

Sample ID: **MB-R76207**	SampType: **MBLK**			Units: **mg/L**		Prep Date: **6/16/2022**		RunNo: **76207**	
Client ID: **MBLKW**	Batch ID: **R76207**					Analysis Date: **6/16/2022**		SeqNo: **1563490**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	Qual
Total Organic Carbon	ND	0.500							

Sample ID: **LCS-R76207**	SampType: **LCS**			Units: **mg/L**		Prep Date: **6/16/2022**		RunNo: **76207**	
Client ID: **LCSW**	Batch ID: **R76207**					Analysis Date: **6/16/2022**		SeqNo: **1563481**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	Qual
Total Organic Carbon	4.75	0.500	5.000	0	95.0	91.5	110		

Sample ID: **2206190-002DDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **6/16/2022**		RunNo: **76207**	
Client ID: **BATCH**	Batch ID: **R76207**					Analysis Date: **6/16/2022**		SeqNo: **1563483**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	Qual
Total Organic Carbon	1.26	0.500					1.192	5.63	20

Sample ID: **2206190-002DMS**	SampType: **MS**			Units: **mg/L**		Prep Date: **6/16/2022**		RunNo: **76207**	
Client ID: **BATCH**	Batch ID: **R76207**					Analysis Date: **6/16/2022**		SeqNo: **1563484**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	Qual
Total Organic Carbon	6.06	0.500	5.000	1.192	97.4	71.5	116		

Sample ID: **2206190-002DMSD**	SampType: **MSD**			Units: **mg/L**		Prep Date: **6/16/2022**		RunNo: **76207**	
Client ID: **BATCH**	Batch ID: **R76207**					Analysis Date: **6/16/2022**		SeqNo: **1563485**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	Qual
Total Organic Carbon	6.19	0.500	5.000	1.192	99.9	71.5	116	6.063	2.02	30

Work Order: 2206233
CLIENT: Friedman & Bruya
Project: 206216

QC SUMMARY REPORT

Dissolved Gases by RSK-175

Sample ID: **LCS-R76292** SampType: **LCS** Units: **ppmv** Prep Date: **6/20/2022** RunNo: **76292**
Client ID: **LCSW** Batch ID: **R76292** Analysis Date: **6/20/2022** SeqNo: **1565340**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	941	0.00675	1,000	0	94.1	68.9	131				
Ethene	966	0.0146	1,000	0	96.6	72	129				
Ethane	972	0.0151	1,000	0	97.2	73.4	128				

Sample ID: **MB-R76292** SampType: **MBLK** Units: **mg/L** Prep Date: **6/20/2022** RunNo: **76292**
Client ID: **MBLKW** Batch ID: **R76292** Analysis Date: **6/20/2022** SeqNo: **1565344**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	ND	0.00675									
Ethene	ND	0.0146									
Ethane	ND	0.0151									

Sample ID: **2206233-001DREP** SampType: **REP** Units: **mg/L** Prep Date: **6/20/2022** RunNo: **76292**
Client ID: **MW26-20220608** Batch ID: **R76292** Analysis Date: **6/20/2022** SeqNo: **1565322**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.00724	0.00675						0.008053	10.6	30	
Ethene	ND	0.0146						0		30	
Ethane	ND	0.0151						0		30	

Sample Log-In Check List

Client Name:	FB	Work Order Number:	2206233
Logged by:	Clare Griggs	Date Received:	6/13/2022 10:57:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes	☑	No	☐	Not Present ☐
2.	How was the sample delivered?	Client				

Log In

3.	Coolers are present?	Yes	☑	No	☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes	☑	No	☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes	☐	No	☐	Not Present ☑
6.	Was an attempt made to cool the samples?	Yes	☑	No	☐	NA ☐
7.	Were all items received at a temperature of >2°C to 6°C *	Yes	☑	No	☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes	☑	No	☐	
9.	Sufficient sample volume for indicated test(s)?	Yes	☑	No	☐	
10.	Are samples properly preserved?	Yes	☑	No	☐	
11.	Was preservative added to bottles?	Yes	☐	No	☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes	☐	No	☑	NA ☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes	☑	No	☐	
14.	Does paperwork match bottle labels?	Yes	☑	No	☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes	☑	No	☐	
16.	Is it clear what analyses were requested?	Yes	☑	No	☐	
17.	Were all holding times able to be met?	Yes	☐	No	☑	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes	☐	No	☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	5.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

2206233

Page # 1 of 1

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 3012 16th Ave W

City, State, ZIP Seattle, WA 98119

Phone # (206) 285-8282 Fax # (206) 283-5044

SUBCONTRACTOR Fremont

PROJECT NAME/NO. 206216

PO # C-231

REMARKS

* = sulfate, nitrate, alkalinity

TURNAROUND TIME

X Standard (1 Week)

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Containers	ANALYSES REQUESTED: TOC	* Sulfate, Nitrate, Alkalinity	~~Nitrite~~	~~Sulfate~~	~~Sulfide~~	~~Alkalinity~~	Ferrous Iron	Methane Ethane Ethene RSK 175			
MW26-20220608		6/8/22	0935	H2O	6	X	X					X	X			
IW04-20220609		6/9/22	0922		3	X	X					X				
MW28-20220609			1140		5		X					X	X			
IW50-20220609			1545		6	X	X					X	X			
MW19-20220609			1615		5		X					X	X			
MW21-20220609			1703		4	X							X			
MW18-20220609			1800		6	X	X					X	X			
MW24-20220609			1842		6	X	X					X	X			
MW25-20220609			1950		6	X	X					X	X			
MW22-20220609			2008		6	X	X					X	X			
EW61-20220609			2140		4	X	X					X	X			

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Ann Webber-Bruya	Friedman & Bruya	6/13/22	0800
Received by:	Justine Pogue	Justine Pogue	FAI	6/13/22	10:57
Relinquished by:					
Received by:					

FORMS\COC\Subcontract.DOC

SiREM
Leading Science · Lasting Solutions

130 Stone Rd. W
Guelph, ON N1G 3Z2
(519) 822-2265

Analytical Results

SiREM File Reference: S-9177

Client: Troy Laundry Property
Client Project Number: 0731-004-08
Date Samples Received: June 13, 2022
Date Samples Analyzed: June 23, 2022

Client Sample ID	SiREM Reference ID	Client Sample Date	Sample Dilution Factor	Lactate	Acetate	Propionate	Formate	Butyrate	Pyruvate
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
IW04-20220609	22-10340	9-Jun-22	50	<0.39	178	45	5.9	29	16
IW50-20220609	22-10341	9-Jun-22	--	--	--	--	--	--	--
MW21-20220609	22-10342	9-Jun-22	50	<0.39	<0.54	<0.31	0.64	<0.41	<0.69
MW18-20220609	22-10343	9-Jun-22	50	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69
MW24-20220609	22-10344	9-Jun-22	50	<0.39	1.0	<0.31	0.92	<0.41	<0.69
MW25-20220609	22-10345	9-Jun-22	50	<0.39	<0.54	<0.31	0.80	<0.41	<0.69
MW22-20220609	22-10346	9-Jun-22	50	<0.39	168	17	0.60	12	1.3
IW61-20220609	22-10347	9-Jun-22	50	<0.39	1.4	<0.31	<0.22	2.5	<0.69
		QL	50	0.39	0.54	0.31	0.22	0.41	0.69

Comments:
Method: Ion Chromatography with Electrical Conductivity Detection
QL = Quantitation limit
< = compound analysed for but not detected, associated value is QL. Sample QL is corrected for dilution.

Analyst:

Alex Sweett, B.Sc.
Laboratory Technician

Results approved:

Michael Healey, B.Sc.
Laboratory Supervisor

Date:

29-Jun-22

Chain-of-Custody Form

SiREM

siremlab.com

180A Market Place Blvd.
Knoxville, TN 37922
(865) 330-0037

Lab # S-9177

Project Name	Troy Laundry Property
Project #	0731-004-08
Project Manager	Levi Fernandes
Email	LFernandes@soundearthinc.com
Company	Sound Earth Strategies
Address	2811 Fairview Avenue East, Suite 2000
	Seattle, Washington 98102
Phone #	(206) 306-1900
Sampler's Signature	
Sampler's Printed Name	Linnea Coleman

Analysis

Preservative: VFA (Volatile Fatty Acids)

Preservative Key
0. None
1. HCL
2. Other
3. Other
4. Other
5. Other
6. Other

Client Sample ID	Lab ID	Sampling Date	Sampling Time	Matrix	# of Containers	VFA	Other Information
IW04-20220609			0922	H_2O	2	X	
IW50-20220609			1545	"	"	X	Both VOA vials Broken. ST
MW21-20220609			1703	"	"	X	
MW18-20220609			1800	"	"	X	One VOA vial Broken. ST
MW24-20220609			1842	"	"	X	
MW25-20220609			1950	"	"	X	
MW22-20220609			2009	"	"	X	
IW61-20220609			2140	"	"		

LMC 6/10/22

Sample Receipt

Cooler Condition: Poor - leaking wet ice melted

Cooler Temperature: KK000056 4.0°C

Custody Seals: Yes ☐ No ☑

Invoice Information

P.O. # 0731-004-08

Bill To: Soundearth Strategies

For Lab Use Only

Both Samples of IW-50 and one vial sample of MW-18 arrived broken. IW-50 is lost. ST

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Linnea Coleman	Printed Name: Susan Thomas	Printed Name	Printed Name	Printed Name	Printed Name
Firm: SoundEarth	Firm: SiREM	Firm	Firm	Firm	Firm
Date/Time: 6/13/22	Date/Time: 6-14-2022 1100	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator: Yellow - Lab Copy: Pink - Retained by Client

SiREM

Chain-of-Custody Form

siremlab.com

1808 Market Place Blvd
Knoxville, TN 37922
1-865-291-4718 or 1-866-251-1747

Lab # S-9197

*Project Name: Tray laundry Property	*Project #: 0731-004-08
*Project Manager: Levi Fernandes	*Company: Sound Earth Strategics
*Email Address: LFernandes@soundearthinc.com	
Address (Street): 2811 Fairview Ave. East, Suite 2000	
City: Seattle / State/Province: WA / Country: USA	
*Phone #: 206-306-1900	
*Sampler's Signature:	*Sampler's Printed Name: Linnea Coleman

Client Sample ID	Sampling Date	Sampling Time	Matrix	# of Containers
IW04 - 20220609	6-9-22	0922	GW VOA Vial	1
MW21 - 20220609		1703		1
MW18 - 20220609		1800		1
MW20 - 20220609		1842		1
MW25 - 20220609		1950		1
MW22 - 20220609		2008		1
IW61 - 20220609		2140		1

Analysis

Gene-Trac DHC	Gene-Trac FGA	Gene-Trac DHB	Gene-Trac DHGM	Gene-Trac SRB	Volatile Fatty Acids	Dissolved hydrocarbon gases	Treatability Study				
					X						
					X						
					V						
					X						
					X						
					X						
					X						
			ST		6-14-2022						

Preservative Key
0. None
1. HCL
2. Other _____
3. Other _____
4. Other _____
5. Other _____
6. Other _____

Other Information

Billing Information	Turnaround Time Requested	For Lab Use Only
P.O. # 0731-004-08	Normal ☑	Cooler Condition: Good
*Bill To: Soundearth Strategies	Rush ☐	Cooler Temperature: 9.9°C
		Custody Seals: Yes ☐ No ☑

For Lab Use Only
Proposal #: _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: Kaitland Cracchiola	Printed Name: Ariadne Piperakis	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: SiREM	Firm: SiREM Guelph	Firm:	Firm:	Firm:	Firm:
Date/Time: 06/14/22 1425	Date/Time: 06/15/22 14:15	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Distribution: White - return to Originator; Yellow - Lab Copy; Pink - Retained by Client
*Mandatory Fields