SoundEarth Strategies, Inc.
1011 SW Klickitat Way, Suite 212
Seattle, Washington 98134

February 21, 2023

Mr. Dirk P. D. Mosis III
USAA Real Estate Company
118 Kitty Kat Lane
Boerne, Texas 78006

Mr. Frank Jakus
Ponte Gadea Seattle LLC
270 Biscayne Boulevard Way, Suite 201
Miami, Florida 33131-2123

SUBJECT: 2022 GROUNDWATER MONITORING REPORT
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North, Seattle, Washington
Cleanup Site ID No. 11690
Project Number: 0731-004-08

Dear Messrs. Mosis and Jakus:

SoundEarth Strategies, Inc. (SoundEarth) has prepared this report to present the results of the 2022 groundwater monitoring events that were conducted at the Troy Laundry Seattle Site (Site). The Site encompasses the property located at 399 Fairview Avenue North and 300 Boren Avenue North in Seattle, Washington (collectively, the Property), as well as the adjacent rights-of-way (ROWs) located north of the Property (Harrison Street), west of the Property (Boren Avenue North), and south of the Property (Thomas Street). The Site also extends onto the adjacent property to the south, known as the Seattle Times Site, located at 1120 John Street (Cleanup Site ID 14494). The Site location is shown on Figure 1.

The groundwater monitoring events summarized below were conducted, and this report has been prepared, pursuant to Exhibit A (Scope of Work and Schedule) to the Prospective Purchaser Consent Decree (PPCD) No. 19-2-07344-6 SEA entered into by and between the Washington State Department of Ecology (Ecology) and Ponte Gadea Seattle LLC. The purpose of this report is to summarize compliance groundwater monitoring work completed during the calendar year 2022, present the results of groundwater elevation measurements and laboratory analytical results, and provide a statistical trend analysis assessment of chlorinated volatile organic compounds (CVOCs) in groundwater at the Site.

2022 GROUNDWATER MONITORING EVENTS

The 2022 groundwater monitoring events were conducted during the second and fourth quarters (June and December, respectively) of 2022 to assess the groundwater quality, flow direction, and gradient of groundwater beneath the Site and to evaluate the effectiveness of the groundwater treatment program

that has been implemented as part of SoundEarth's Interim Action Plan dated August 21, 2013, which was approved by Ecology on October 10, 2013.[1]

The 2022 monitoring events included collecting groundwater data from all monitoring wells in the compliance well network as set forth in Exhibit A of the PPCD, as well as additional Site wells, which consisted of the following:

- **The Property:** MW17 through MW25, IW04, IW06, IW50, IW61, and IW91. As approved by Ecology (see Modifications to the Groundwater Monitoring Program below), groundwater samples were not collected from monitoring wells MW17, MW20, or MW23 or injection well IW91 for chemical analysis during the second and fourth quarter 2022 monitoring events. However, the groundwater level was measured at each monitoring well during the second and fourth quarter 2022 monitoring events.
- **Seattle Times Site:** MW29[1], MW30[2], ONNI-MW-4[3], ONNI-MW-5[2], and ONNI-MW-9[2]. As approved by Ecology (see Modifications to the Groundwater Monitoring Program below), groundwater samples were not collected from monitoring wells ONNI-MW-4 or ONNI-MW-5 for chemical analysis during the second quarter 2022 monitoring event. However, the groundwater level was measured at each monitoring well during the second quarter 2022 monitoring event.

  These five monitoring wells were decommissioned on July 15, 2022, in advance of the redevelopment of the Seattle Times Site. Therefore, the groundwater levels were not measured and groundwater samples were not collected from monitoring wells MW29, MW30, ONNI-MW-4, ONNI-MW-5, or ONNI-MW-9 for chemical analysis during the fourth quarter 2022 monitoring event.
- **Harrison Street ROW:** MW01, MW26, MW32[1], and MW33[1]
- **Boren Avenue North ROW:** MW04, MW07, MW13, MW27, and MW31[1]
- **Thomas Street ROW:** MW28
- **Terry Avenue North:** MW34[4]

This report presents a description of field activities performed during the 2022 groundwater monitoring events and the associated laboratory analytical results. Current and historical groundwater elevations and sample analytical results are presented in Tables 1 through 3.

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[1] *Interim Action Plan, Troy Laundry Property, 307 Fairview Avenue North, Seattle, Washington* dated August 21, 2013 (Interim Action Plan).

[1] Monitoring wells MW29 through MW33 were installed in September 2019 as part of the supplemental remedial investigation, as described in SoundEarth's *Supplemental Remedial Investigation Work Plan, Troy Laundry Site, 300 Boren Avenue North and 399 Fairview Avenue North, Seattle, Washington, Ecology Facility ID: 19135499* dated March 20, 2019. These wells are not sampled under the PPCD but became part of the Site monitoring well network, and results were presented in connection with the progress reports to ensure that all data associated with the Site are readily available to Ecology. Monitoring wells MW29 and MW30 at the Seattle Times Site were decommissioned in July 2022.

[2] Monitoring wells ONNI-MW-4, ONNI-MW-5, and ONNI-MW-9 were not part of the Site monitoring well network but were sampled during the monitoring events as part of the ongoing groundwater monitoring and sampling program at the Site. Monitoring wells ONNI-MW-4, ONNI-MW-5, and ONNI-MW-9 at the Seattle Times Site were decommissioned in July 2022.

[3] Monitoring well MW34 is a replacement for monitoring well MW15, which was damaged during construction activities in 2021 and was replaced in October 2021. This monitoring well is not sampled under the PPCD but it is part of the Site monitoring well network, and results will be presented in connection with the progress reports to ensure that all data associated with the Site are readily available to Ecology.

MODIFICATIONS TO THE GROUNDWATER MONITORING PROGRAM

Modifications to the groundwater monitoring program, as approved by Ecology, included the following:

- As communicated in the PPCD Second Quarter 2022 Progress Report[5], starting in June 2022, collection of groundwater samples for chemical analysis of CVOCs would be discontinued for monitoring wells MW17, MW20, MW23, ONNI-MW-4, and ONNI-MW-5 and injection well IW91.
- As communicated in the PPCD Third Quarter 2022 Progress Report[6], groundwater monitoring wells MW29, MW30, ONNI-MW-4, ONNI-MW-5, and ONNI-MW-9 were decommissioned at the Seattle Times Site on July 15, 2022.

FIELD ACTIVITIES

Upon arrival at the Site for the second and fourth quarter monitoring events, SoundEarth personnel opened the monitoring wells prior to sampling to collect groundwater level measurements. Water levels were permitted to equilibrate with atmospheric pressure for a minimum of 1 hour before groundwater level measurements were collected. Groundwater levels were measured relative to the top of well casing to an accuracy of 0.01 feet using an electronic water level meter.

During both monitoring events, groundwater level measurements were collected from monitoring wells MW17 through MW25 and injection well IW91, located on the Property; monitoring well MW34, located in the Terry Avenue North ROW; monitoring wells MW01, MW26, MW32, and MW33, located in the Harrison Street ROW; monitoring wells MW04, MW07, MW13, MW27, and MW31, located in the Boren Avenue North ROW; and monitoring well MW28, located in the Thomas Street ROW. The groundwater level in monitoring wells MW29, MW30, ONNI-MW-4, ONNI-MW-5, and ONNI-MW-9, located on the Seattle Times Site, was measured only in June 2022 because these monitoring wells were decommissioned in July 2022.

From June 6 through 9, groundwater samples were collected from monitoring wells MW01, MW04, MW07, MW13, MW18, MW19, MW21, MW22, MW24 through MW34, and ONNI-MW-9 and injection wells IW04, IW06, IW50, and IW61. From December 13 to 16, 2022, groundwater samples were collected from the above-mentioned wells except for monitoring wells MW29, MW30, and ONNI-MW-9, which were located on the Seattle Times Site. Sampling was conducted only in June 2022 because these monitoring wells were decommissioned in July 2022.

Groundwater samples were collected from wells in the groundwater monitoring network in accordance with the US Environmental Protection Agency (EPA) *Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures* dated April 1996. Purging and sampling of each monitoring well was performed using a bladder pump (monitoring wells MW01, MW04, MW07, MW13, MW25 through MW34, ONNI-MW-4, ONNI-MW-5, and ONNI-MW-9) or a peristaltic pump (monitoring wells MW17 through MW25 and injection wells IW04, IW06, IW50, IW61, and IW91) with dedicated polyethylene tubing at a maximum

[5] Memo regarding PPCD Second Quarter 2022 Progress Report, Troy Laundry Seattle Site, 300 Boren Avenue North and 399 Fairview Avenue North, Seattle, Washington dated August 24, 2022, from Levi Fernandes and Thomas Cammarata of SoundEarth to Ecology (PPCD Second Quarter 2022 Progress Report).
[6] Memo regarding PPCD Third Quarter 2022 Progress Report, Troy Laundry Seattle Site, 300 Boren Avenue North and 399 Fairview Avenue North, Seattle, Washington dated November 4, 2022, from Levi Fernandes and Thomas Cammarata of SoundEarth to Ecology (PPCD Third Quarter 2022 Progress Report).

flow rate of 250 milliliters per minute. The tubing intake was placed approximately 2 to 3 feet below the surface of the groundwater or mid-screen in each sampled monitoring well. During purging, water quality was monitored using a YSI-brand water quality meter equipped with a flow-through cell. The water quality parameters that were monitored and recorded included temperature, pH, specific conductance, dissolved oxygen, turbidity, and oxidation-reduction potential. Each monitoring well was purged until, at a minimum, the subset of pH, specific conductance, and dissolved oxygen or turbidity had stabilized over at least three successive readings. A field duplicate sample was collected from monitoring well MW25 during the second and fourth quarters for quality assurance/quality control (QA/QC) purposes.

Following purging, groundwater samples were collected from the pump outlet tubing located upstream of the flow-through cell and placed directly into clean, laboratory-prepared sample containers. Each container was labeled with a unique sample identification number, placed on ice in a cooler, and transported to one or more of the following testing laboratories under standard chain-of-custody protocols for laboratory analysis: Friedman & Bruya, Inc. of Seattle, Washington; Fremont Analytical of Seattle, Washington; or SiREM of Knoxville, Tennessee.

The groundwater samples were submitted for analysis of one or more of the following:

- CVOCs, including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), and vinyl chloride (VC) by EPA Method 8260C
- Gasoline-range petroleum hydrocarbons (GRPH) by Northwest Total Petroleum Hydrocarbon (NWTPH) Method NWTPH-Gx
- Diesel-range petroleum hydrocarbons (DRPH) and oil-range petroleum hydrocarbons (ORPH) by Method NWTPH-Dx

Groundwater samples collected from monitoring wells MW04, MW07, MW18, MW19, MW21, MW22, MW24 through MW26, and MW28 and injection wells IW04, IW50, and IW61 were analyzed for one or more of the following natural attenuation parameters:

- Methane, ethane, and ethene by Method RSK 175
- Sulfate, nitrate, and alkalinity by Method SM1845/SM2320B
- Total iron and manganese by EPA Method 200.8
- Ferrous iron by Method SM3500
- Total organic carbon by EPA Method 415.1
- Volatile fatty acids by EPA Methods 300.0 and 300.0 Modified

All groundwater sampling data, including results of natural attenuation parameters, will be uploaded to and available from Ecology's Environmental Information Management system database.

Purge water generated during the monitoring events was placed in an appropriately labeled 55-gallon steel drum and temporarily stored on the Property pending receipt of analytical data and proper disposal.

RESULTS

Groundwater levels and analytical results from the groundwater monitoring and supplemental sampling events are summarized below and presented in Tables 1 through 6. Groundwater elevation contour maps for the second and fourth quarter 2022 sampling events are presented in Figures 2 and 3. Groundwater analytical results for CVOCs are presented on Figure 4.

Second Quarter 2022

Groundwater elevations measured in June 2022 ranged from 13.69 feet North American Vertical Datum of 1988 (NAVD88) at monitoring well MW30 to 17.20 feet NAVD88 at monitoring well MW34. Groundwater elevations were contoured using the water level measurements collected on June 6, 2022 (Figure 2; Table 1). The groundwater contours for the second quarter 2022 monitoring event indicated that groundwater at the Site flowed generally to the southeast with a hydraulic gradient of 0.0061 feet per foot.

Laboratory analytical results from the second quarter 2022 monitoring event were compared to MTCA Method A or B cleanup levels, as applicable, for groundwater and are summarized below (Figure 4; Tables 2 and 3):

- PCE was detected at a concentration exceeding the MTCA Method A cleanup level in the groundwater sample collected from monitoring well MW29, located on the Seattle Times Site. PCE concentrations detected in the remaining groundwater samples were below the laboratory reporting limit and/or MTCA Method A cleanup level.
- TCE was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW04, MW07, and MW27, located in the Boren Avenue North ROW; monitoring well MW29, located on the Seattle Times Site; and monitoring well MW34, located in the Terry Avenue North ROW. TCE concentrations detected in the remaining groundwater samples were below the laboratory reporting limit and/or MTCA Method A cleanup level.
- cis-1,2-DCE was detected at concentrations exceeding the MTCA Method B cleanup level in groundwater samples collected from on-Property monitoring wells MW22 and MW24, on-Property injection well IW61; and monitoring well MW28, located in the Thomas Street ROW. cis-1,2-DCE concentrations detected in the remaining groundwater samples were below the laboratory reporting limit and/or MTCA Method B cleanup level.
- VC was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from on-Property monitoring wells MW18, MW19, MW21, MW22, MW24, and MW25 and injection wells IW04, IW50, and IW61. VC concentrations detected in the remaining groundwater samples were below the laboratory reporting limit and/or MTCA Method A cleanup level.
- trans-1,2-DCE was detected at concentrations below the laboratory reporting limit in the groundwater samples collected from all sampled wells.
- DRPH and/or ORPH were detected at concentrations exceeding MTCA Method A cleanup levels in groundwater samples collected from on-Property monitoring wells MW21 and MW22. These results were flagged by the laboratory as having a chromatographic pattern that did not match the fuel

standard used for quantification. This finding was likely due to the presence of EOS PRO solution (a food-grade oil-water emulsion) in the samples, which originated from the April and May 2016 injection event. The reported concentrations are not considered reflective of actual groundwater conditions at the Property. DPRH and ORPH were detected at concentrations below the laboratory reporting limit and/or MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW13 and MW28.

- GRPH was detected at concentrations below the laboratory reporting limit and/or MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW13, MW21, MW22, and MW28.

Fourth Quarter 2022

Groundwater elevations measured in December 2022 ranged from 14.79 feet NAVD88 at injection well IW91 to 17.35 feet NAVD88 at monitoring well MW34. Groundwater elevations were contoured using the water level measurements collected on December 13, 2022 (Figure 3; Table 1). The groundwater contours indicated that groundwater at the Site flowed generally to the southeast with a hydraulic gradient of 0.0056 feet per foot. The groundwater flow observed at the Site during the second and fourth quarters of 2022 was consistent with the historical flow direction prior the 2020 and 2021 construction dewatering activities that were performed at Block 38 West, which is located upgradient and northwest of the Property.

Laboratory analytical results from the monitoring event were compared to MTCA Method A or B cleanup levels for groundwater and are summarized below (Figure 4; Tables 2 and 3):

- PCE was detected at concentrations below the laboratory reporting limit and/or MTCA Method A cleanup level in groundwater samples collected from all sampled wells.
- TCE was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW04, MW07, and MW27, located in the Boren Avenue North ROW; monitoring well MW26, located in the Harrison Street ROW; and monitoring well MW34, located in the Terry Avenue North ROW. TCE concentrations detected were below the laboratory reporting limit and/or MTCA Method A cleanup level in the remaining groundwater samples.
- cis-1,2-DCE was detected at concentrations exceeding the MTCA Method B cleanup level in the groundwater samples collected from on-Property monitoring wells MW22 and MW24; on-Property injection wells IW50 and IW61; and monitoring well MW28, located in the Thomas Street ROW. cis-1,2-DCE concentrations detected in the remaining groundwater samples were below the laboratory reporting limit and/or MTCA Method B cleanup level.
- VC was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from on-Property monitoring wells MW18, MW19, MW21, MW22, MW24, and MW25, and on-Property injection wells IW04, IW50, and IW61. VC concentrations detected in the remaining groundwater samples were below the laboratory reporting limit and/or MTCA Method A cleanup level.
- trans-1,2-DCE was detected at concentrations below the laboratory reporting limit in groundwater samples collected from all sampled wells.
- DRPH and/or ORPH were detected at concentrations exceeding MTCA Method A cleanup levels in groundwater samples collected from on-Property monitoring wells MW21 and MW22. These

results, in addition to the results of samples collected from monitoring wells MW13 and MW28, were flagged by the laboratory as having a chromatographic pattern that does not match the fuel standard used for quantification. This was likely due to the presence of EOS PRO solution in the samples, which originated from the April and May 2016 injection event. The reported concentrations are not considered reflective of actual groundwater conditions at the Property. DPRH and ORPH were detected at concentrations below the laboratory reporting limit and/or MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW13 and MW28.

- GRPH was detected at concentrations below the laboratory reporting limit and/or MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW13, MW21, MW22, and MW28.

DATA QUALITY REVIEW

SoundEarth performed a QA/QC review of the analytical results, which included a review of accuracy and precision of the data supplied by the laboratory. In addition, the relative percent difference (RPD) was calculated for the field duplicate samples collected by SoundEarth from monitoring well MW25.

RPDs for all detected analytes were below the acceptable limit of 25 percent.

Detections of DRPH and/or ORPH in groundwater samples collected from monitoring wells MW13, MW21, MW22, and MW28 during the second and/or fourth quarter sampling events were flagged by the laboratory as having a chromatographic pattern that does not match the fuel standard used for quantification. This result was due to the presence of EOS PRO solution in the samples, which originated from the April and May 2016 injection event, and the reported concentrations should not be considered accurate.

All other quality control criteria are acceptable for the groundwater samples; therefore, no action is required, and analytical results are usable to meet the project objectives. Laboratory analytical reports are provided in Attachment A.

STATISTICAL TREND ANALYSIS OF PLUME STABILITY

Using Ecology's *Guidance on Remediation of Petroleum-Contaminated Groundwater by Natural Attenuation* dated July 2005 (Module 2), SoundEarth evaluated the stability of the contaminated groundwater plume originating from the Property. Chlorinated solvent (PCE, TCE, cis-1,2-DCE, and VC) results for groundwater samples collected between May 2015 and December 2022 (Table 2) were used to evaluate the stability of the plume. In cases where a monitoring well was installed after 2015, the earliest sample results were used to perform the analysis. The data results from the plume stability analysis are presented in Attachment B.

The stability of the CVOC groundwater plume beneath and downgradient of the Property was evaluated to assess if the plume is expanding, shrinking, or stable. A shrinking or stable plume indicates that the plume is attenuating because of source removal at the Property and intrinsic biodegradation, as well as groundwater treatment implemented at the Property and in the adjacent ROWs. For this report, the stability of the CVOC plume originating at the Property is evaluated separately for PCE and TCE and for cis-1,2-DCE and VC.

Plume Stability: PCE and TCE

Results of the PCE and TCE trend analyses were evaluated in conjunction with the current footprint of the PCE and TCE plume originating at the Property. A trend analysis was only performed for monitoring wells containing PCE and TCE at concentrations exceeding cleanup levels in the fourth quarter of 2022. A trend analysis was not performed for monitoring well MW29 because the well was decommissioned in July 2022.

PCE is not present at concentrations exceeding the laboratory reporting limit and/or cleanup level in groundwater on the Property or in the ROWs. TCE was detected at concentrations exceeding the cleanup level in groundwater samples collected from monitoring wells MW04, MW07, MW26, MW27, and MW34. Findings from the TCE trend analyses are as follows:

- TCE concentrations are stable with time in monitoring wells MW04 and MW27, located in the Boren Avenue North ROW; monitoring well MW26, located in Harrison Street ROW; and monitoring well MW34, located in the Taylor Avenue ROW. The stability of TCE concentrations in this area of the Site suggests an equilibrium between the dissolution of TCE from the source area and natural attention processes in groundwater. The stability of TCE concentrations at monitoring wells MW04, MW26, and MW27 in the fourth quarter of 2022 was similarly observed at the end of the fourth quarter of 2021.
- TCE concentrations are decreasing with time at monitoring well MW07, located in Boren Avenue North ROW. The decrease in the concentration of TCE in the fourth quarter of 2022 was similarly observed at the end of the fourth quarter of 2021.

Plume Stability: cis-1,2-DCE and VC

Results of the cis-1,2-DCE and VC trend analyses were evaluated in conjunction with the current footprint of the cis-1,2-DCE and VC impacts in groundwater. A trend analysis was only performed for monitoring wells containing cis-1,2-DCE and VC at concentrations exceeding cleanup levels in the fourth quarter of 2022, which are primarily located on the Property. cis-1,2-DCE and VC concentrations do not exceed laboratory reporting limits or cleanup levels for groundwater at the monitoring wells in the ROWs, with exception of monitoring well MW28, located in the Thomas Street ROW. The groundwater sample from monitoring well MW28 contained cis-1,2-DCE at a concentration exceeding the MTCA Method B cleanup level. A trend analysis was not performed for monitoring well MW29 because the well was decommissioned in July 2022. Findings from the cis-1,2-DCE and VC trend analyses are as follows:

- cis-1,2-DCE concentrations are decreasing with time in monitoring well MW28, located in the Thomas Street ROW. This trend was similarly observed for cis-1, 2-DCE at the end of the fourth quarter of 2021.
- cis-1,2-DCE concentrations are decreasing with time in groundwater at Property injection wells IW50 and IW61 and increasing with time at monitoring wells MW22 and MW24. The trends for cis-1,2-DCE at injection well IW50 and monitoring well MW24 were similarly observed at the end of the second quarter of 2021; in the second quarter of 2021, the trend for cis-1,2-DCE at injection well IW61 was increasing with time.
- VC concentrations are increasing with time in groundwater at Property injection wells IW04, IW50, and IW61 and monitoring wells MW18, MW19, MW21, MW22, MW24, and MW25. The trends observed for VC at the Property were similarly observed at the end of the fourth quarter of 2021 with the exception of VC in injection well IW50, which was stable over time.

CONCLUSIONS

As of the fourth quarter of 2022, PCE and TCE were either non-detect or detected at concentrations below cleanup levels in all monitoring wells located on the Property. The absence of PCE and TCE on the Property is a direct result of treating groundwater via anaerobic reductive dichlorination. Although cis-1,2-DCE and VC continue to be detected at concentrations exceeding cleanup levels in groundwater on the Property, it is anticipated that cis-1,2-DCE and VC concentrations will decrease when the mass of TCE in groundwater has been completely depleted in the Boren Avenue North and Harrison Street ROWs.

CLOSING

SoundEarth appreciates the opportunity to work with you on this project. Please contact the undersigned at 206-306-1900 if you have any questions or require additional information.

Respectfully,

SoundEarth Strategies, Inc.

Levi Fernandes, PE
Senior Environmental Engineer

Thomas Cammarata, LG, LHG
Principal Geochemist

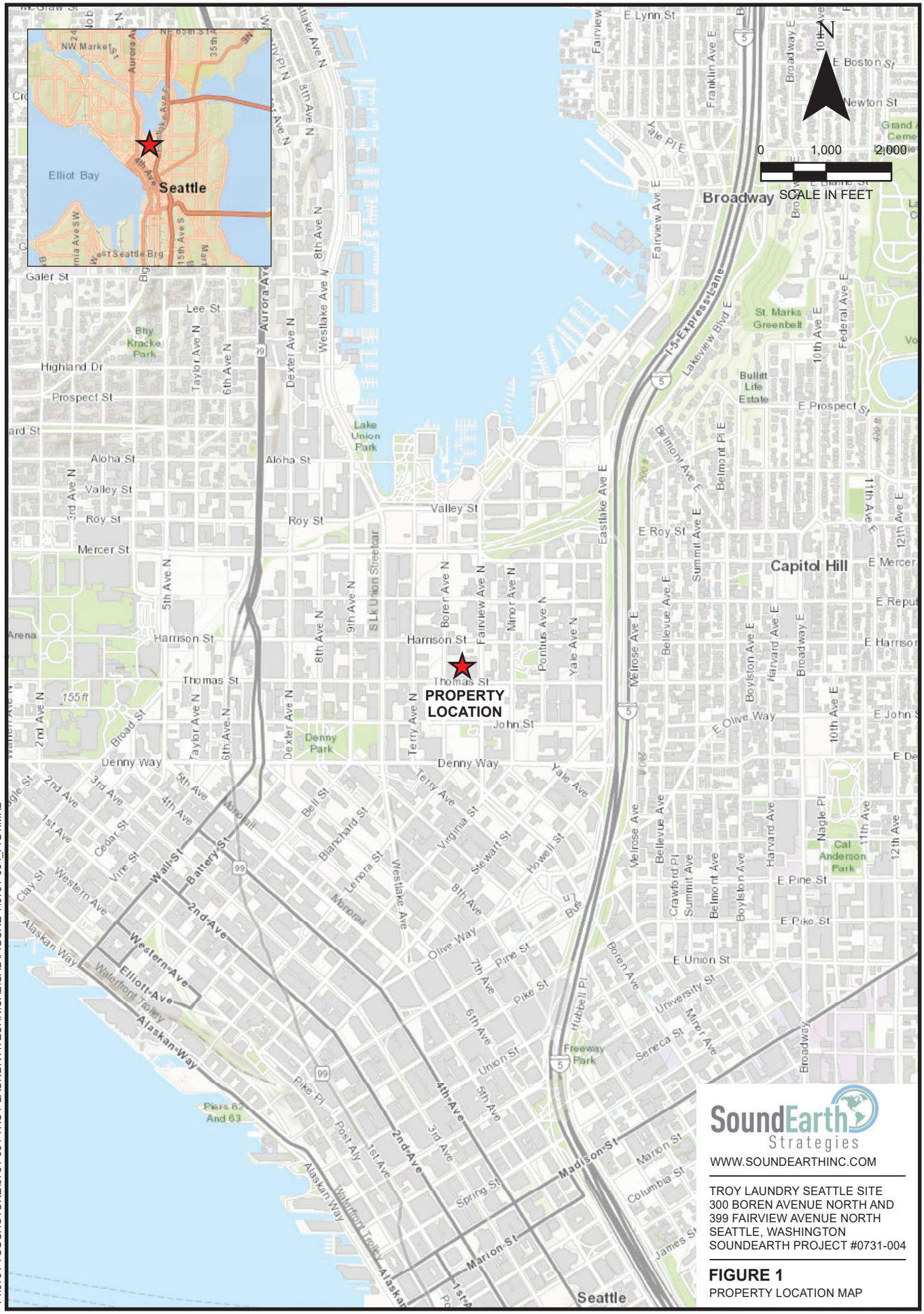
Attachments:
Figure 1, Property Location Map
Figure 2, Groundwater Contour Map with Rose Diagram (June 6, 2022)
Figure 3, Groundwater Contour Map with Rose Diagram (December 13, 2022)
Figure 4, Groundwater Analytical Results for Chlorinated Volatile Organic Compounds
Figure 5, Extent of Troy Property TCE Groundwater Plume - Post-Interim Remedial Action (Q4 2022)
Figure 6, Extent of Troy Property VC/cis-1,2-DCE Groundwater Plume - Post-Interim Remedial Action (Q4 2022)
Table 1, Summary of Groundwater Elevations
Table 2, Groundwater Analytical Results for CVOCs
Table 2A, Summary of Groundwater Analytical Results for CVOCs
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
Second Quarter 2022
Friedman & Bruya, Inc. #206149
Friedman & Bruya, Inc. #206150
Friedman & Bruya, Inc. #206216
Fremont Analytical, #2206176
Fremont Analytical, #2206233
SiREM Lab, #S-9177

Fourth Quarter 2022

Friedman & Bruya, Inc. #212264
Friedman & Bruya, Inc. #212294
Fremont Analytical, #2212384
Fremont Analytical, #2212348
SiREM Lab, #S-9578

B, Plume Stability Analysis Results

FIGURES



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

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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

2/21/2023

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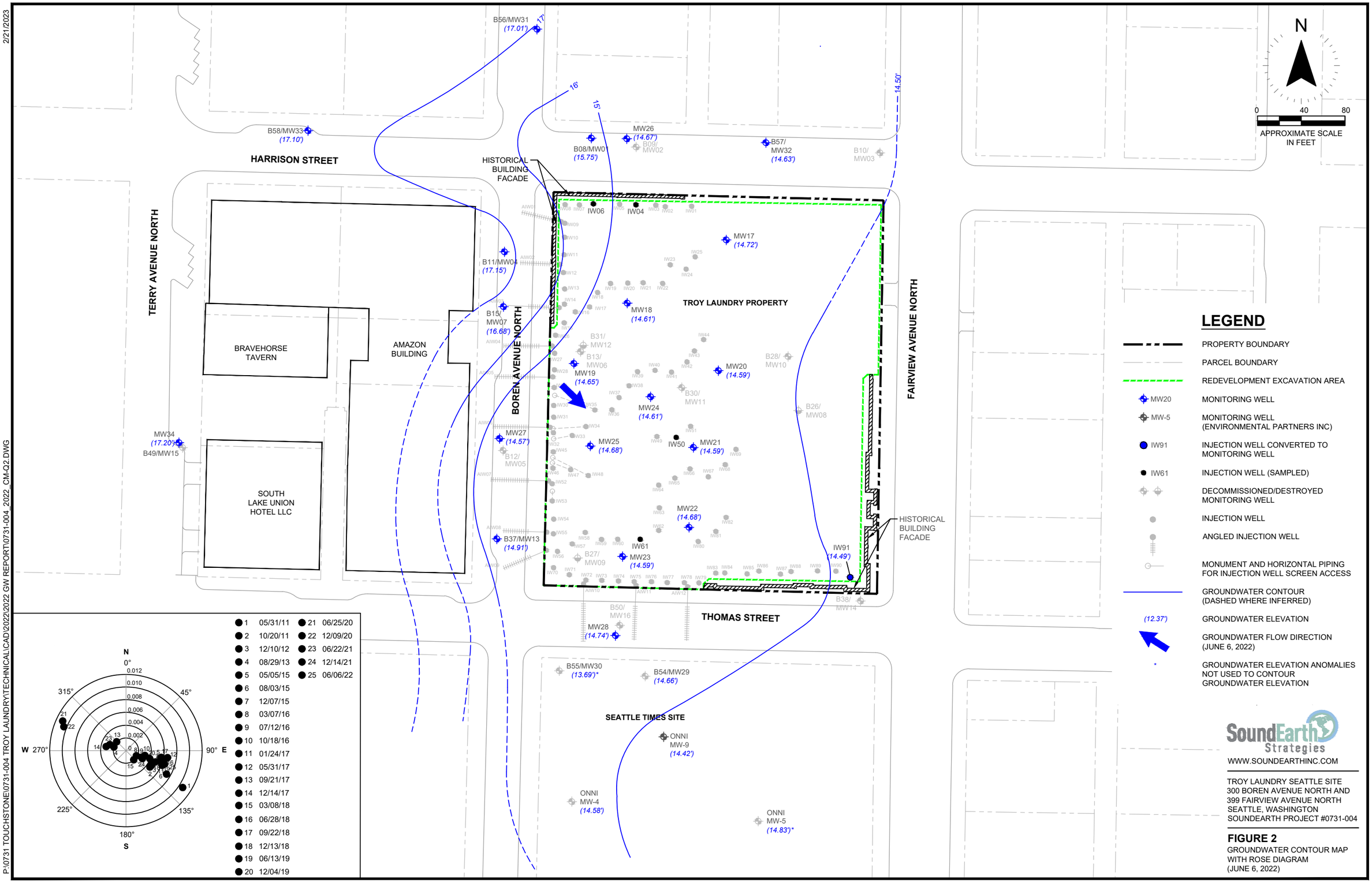

LEGEND

- 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

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		

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

FIGURE 2
GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM
(JUNE 6, 2022)

1/30/2023

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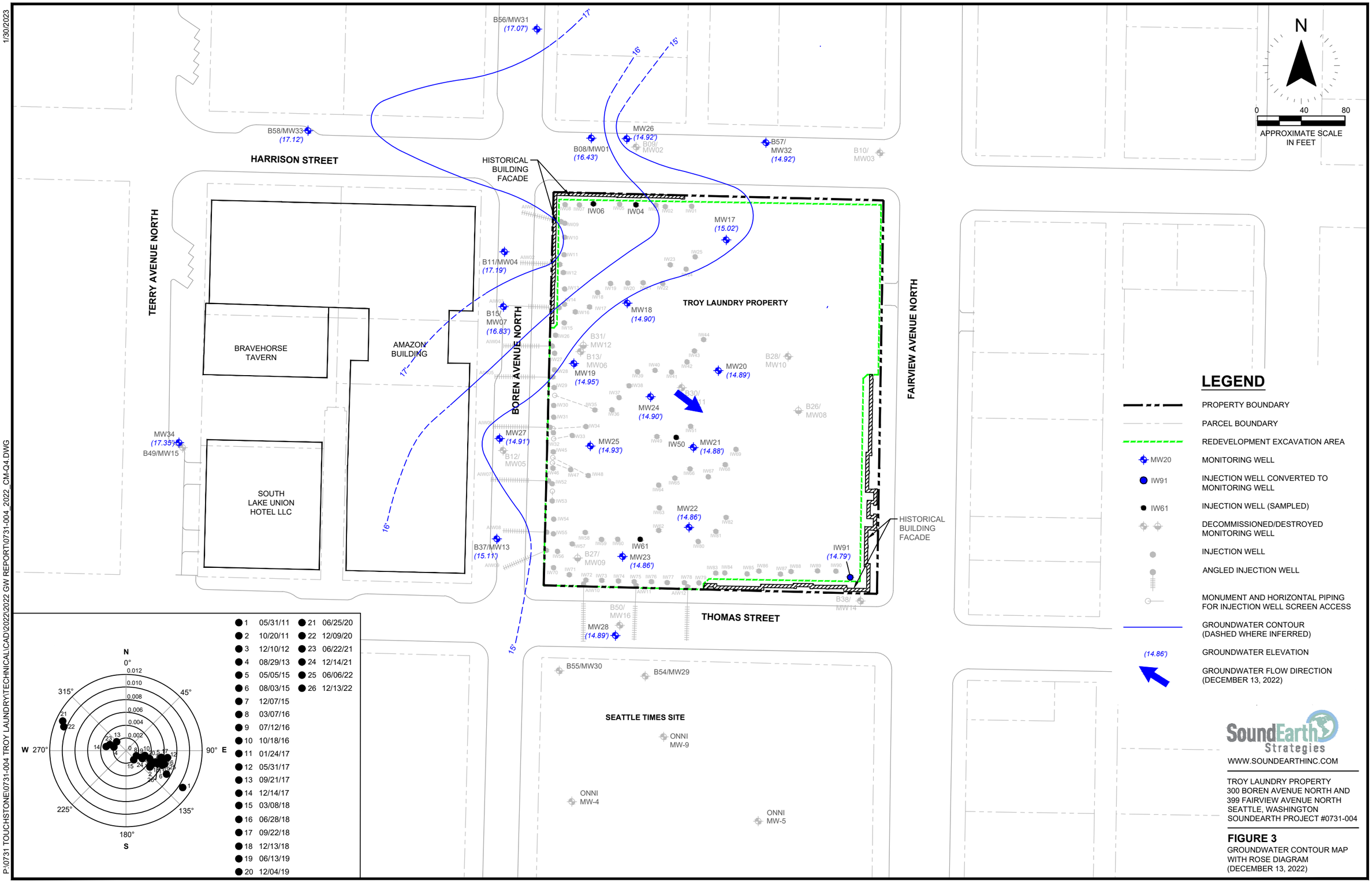

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TROY LAUNDRY PROPERTY
300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 3
GROUNDWATER CONTOUR MAP
WITH ROSE DIAGRAM
(DECEMBER 13, 2022)

2/21/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\20222022 GW REPORT\0731-004_2023_PPCD_GAR-CVOCS.DWG

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	DCE	DCE	Chloride
MW33	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
	12/13/22	<1	<0.5	<1	<1	<0.02

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW01	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
	12/14/22	<1	<1	<1	<1	<0.02

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW31	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
	12/14/22	<1	3.5	<1	<1	<0.02

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW06	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
	12/15/22	1.7	<0.5	<1	<1	<0.02

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW26	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
	12/14/22	<1	10	<1	<1	<0.2

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW32	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
	12/14/22	<1	<0.5	<1	<1	<0.02

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW18	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
	12/15/22	<1	<0.5	<1	<1	1.1

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW04	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
	12/14/22	<1	8.2	<1	<1	<0.02

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW04	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
	12/15/22	<1	<0.5	<1	<1	0.28

Sample Location	Sample Date	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						

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW07	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
	12/14/22	2.5	5.9	<1	<1	<0.02

Sample Location	Sample Date	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						

Sample Location	Sample Date	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
	12/14/22	<1	5.2	<1	<1	<0.02

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW19	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
	12/16/22	<1	<0.5	<1	<1	1.9

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW24	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
	12/16/22	<1	<0.5	64	<1	6.1

Sample Location	Sample Date	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	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW50	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
	12/16/22	4.7	2.1	35	<1	6.4

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW27	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
	12/15/22	<1	16	4.6	<1	<0.02

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW21	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
	12/15/22	<1	<0.5	12	<1	1.4

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW25	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
	12/16/22	3.2	3.8	5.9	<1	2.2

Sample Location	Sample Date	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						

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW13	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
	12/15/22	4.8	0.57	<1	<1	<0.02

Sample Location	Sample Date	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						

Sample Location	Sample Date	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
	12/15/22	2.9	1.2	17	<1	0.067

Sample Location	Sample Date	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
WELL DECOMISSIONED 2022						

Sample Location	Sample Date	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
WELL DECOMISSIONED 2022						

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW22	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
	12/16/22	<1	0.52	58	<1	1.1

Sample Location	Sample Date	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 DECOMISSIONED 2022						

Sample Location	Sample Date	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
WELL DECOMISSIONED 2022						

Sample Location	Sample Date	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 DECOMISSIONED 2022						

Sample Location	Sample Date	PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW61	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
	12/16/22	<1	<0.5	57	<1	2.7

HARRISON STREET

THOMAS STREET

TROY LAUNDRY PROPERTY

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

SEATTLE TIMES SITE

B58/MW33 · B56/MW31 · B08/MW01 · MW26 · B09/MW02 · B57/MW32 · B10/MW03 · IW06 · IW04 · B11/MW04 · MW17 · MW18 · B15/MW07 · B31/MW12 · B13/MW06 · MW19 · MW20 · B28/MW10 · MW24 · B30/MW14 · B26/MW09 · MW34 B49/MW15 · MW27 · B12/MW05 · MW25 · IW50 · MW21 · B37/MW13 · B27/MW08 · IW61 · MW23 · MW22 · IW91 · B38/MW14 · B50/MW16 · MW28 · B55/MW30 · B54/MW29 · ONNI MW-9 · ONNI MW-4 · ONNI MW-5

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0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- 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

SoundEarth Strategies

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

FIGURE 4

GROUNDWATER ANALYTICAL RESULTS FOR CHLORINATED VOLATILE ORGANIC COMPOUNDS

2/21/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2022\2022 GW REPORT\0731-004_2022_FS_Q4_TCE-POST.DWG

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APPROXIMATE SCALE IN FEET

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

IW06

IW04

TERRY AVENUE NORTH

B11/MW04

MW17

TROY LAUNDRY PROPERTY

B15/MW07

MW18

BRAVEHORSE TAVERN

AMAZON BUILDING

BOREN AVENUE NORTH

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

IW50

MW21

MW34

B49/MW15

MW27

B12/ MW05

MW25

SOUTH LAKE UNION HOTEL LLC

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

HISTORICAL BUILDING FACADE

B38/ MW14

THOMAS STREET

B50/ MW16

MW28

B54/MW29

B55/MW30

ONNI MW-9

SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

FAIRVIEW AVENUE NORTH

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
IW91	INJECTION WELL CONVERTED TO MONITORING WELL
IW61	INJECTION WELL (SAMPLED)
	DECOMMISSIONED/DESTROYED MONITORING WELL
	DENOTES TCE CONCENTRATION EXCEEDS APPLICABLE MTCA CLEANUP LEVEL
CVOC	CHLORINATED VOLATILE ORGANIC COMPOUND
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

SoundEarth Strategies

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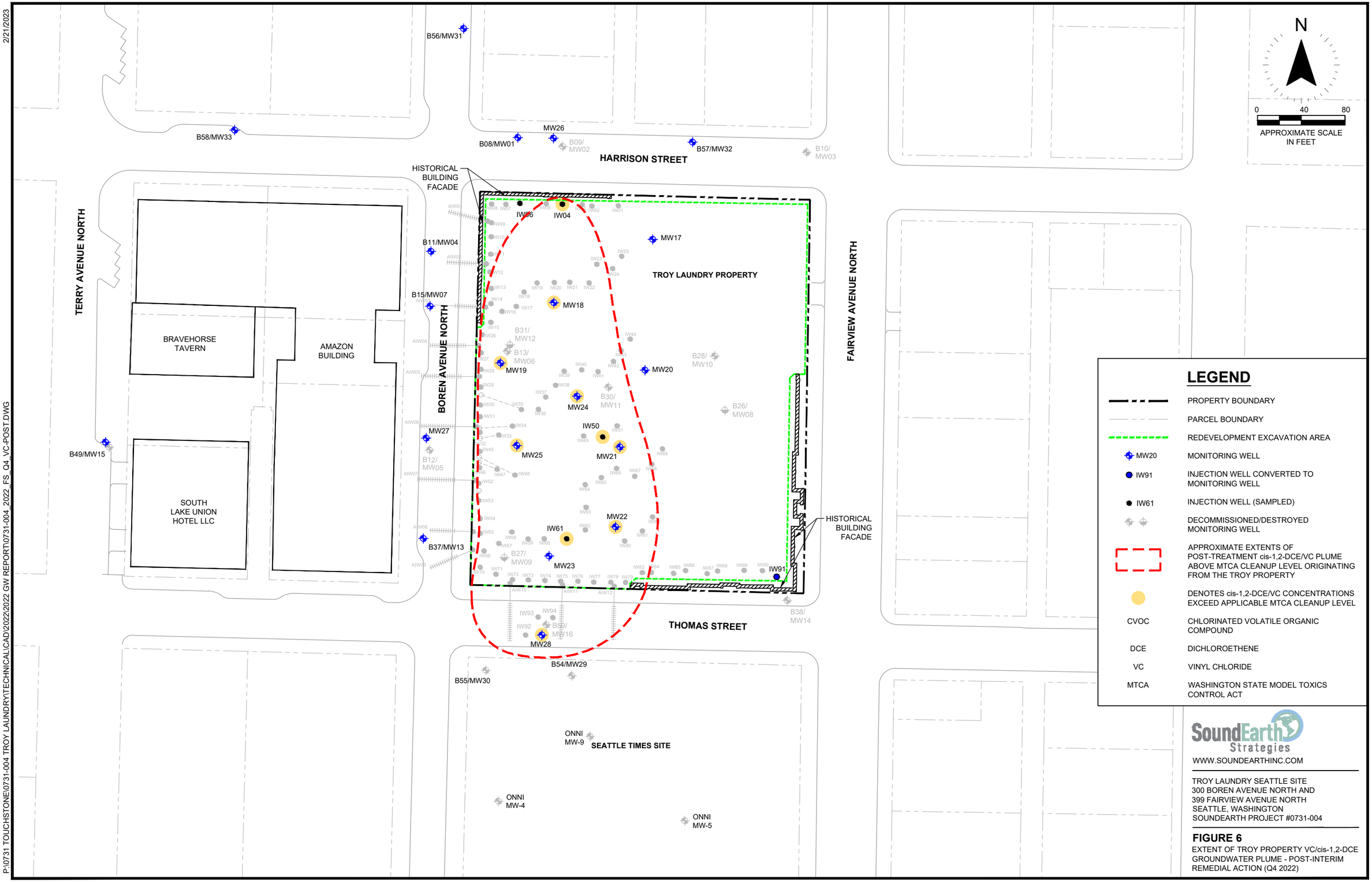
TROY LAUNDRY SEATTLE SITE
300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 5

EXTENT OF TROY PROPERTY TCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q4 2022)

2/21/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2022\2022 GW REPORT\0731-004_2022_FS_Q4_VC-POST.DWG



LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
IW91	INJECTION WELL CONVERTED TO MONITORING WELL
IW61	INJECTION WELL (SAMPLED)
	DECOMMISSIONED/DESTROYED MONITORING WELL
	APPROXIMATE EXTENTS OF POST-TREATMENT cis-1,2-DCE/VC PLUME ABOVE MTCA CLEANUP LEVEL ORIGINATING FROM THE TROY PROPERTY
	DENOTES cis-1,2-DCE/VC CONCENTRATIONS EXCEED APPLICABLE MTCA CLEANUP LEVEL
CVOC	CHLORINATED VOLATILE ORGANIC COMPOUND
DCE	DICHLOROETHENE
VC	VINYL CHLORIDE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

SoundEarth Strategies

WWW.SOUNDEARTHINC.COM

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

FIGURE 6

EXTENT OF TROY PROPERTY VC/cis-1,2-DCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q4 2022)

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
						12/13/22	20.70	15.02

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)
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
						12/13/22	20.44	14.90
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
						12/13/22	22.74	14.95

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)
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
						12/13/22	20.74	14.89
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
						12/13/22	20.70	14.88

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)
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
						12/13/22	20.61	14.86
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
						12/13/22	20.57	14.86

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Seattle, Washington

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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
						12/13/22	19.98	14.90
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
						12/13/22	26.45	14.93

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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)
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
						12/13/22	21.03	14.79
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
						12/13/22	53.63	17.19

Table 1
Summary of Groundwater Elevations
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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)
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
						12/13/22	57.85	16.83

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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	
						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
	90.86					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
						12/13/22	75.75	15.11
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
						12/13/22	68.91	14.91

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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
						12/13/22	43.68	17.07
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
						12/13/22	41.74	17.35
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							

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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
						12/13/22	84.29	14.89
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
						09/19/18	53.93	14.72
	68.65					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
						12/13/22	52.22	16.43
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							

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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
						12/13/22	55.65	14.92
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
						12/13/22	63.46	14.92
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
						12/13/22	39.50	17.12
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
	DECOMMISSIONED 2022							
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
	DECOMMISSIONED 2022							
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
	DECOMMISSIONED 2022							
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
	DECOMMISSIONED 2022							
ONNI-MW-9	107.10	95	110	12	-3	12/14/21	93.60	13.50
						06/06/22	92.68	14.42
	DECOMMISSIONED 2022							
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	WELL 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**
	MW18-20221215	12/15/22	SoundEarth	<1	<0.5	<1	<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)
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**
	MW19-20221216	12/16/22	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**
	MW21-20221215	12/15/22	SoundEarth	<1	<0.5	12	<1	**1.4**
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**
	MW22-20221216	12/16/22	SoundEarth	<1	0.52	**58**	<1	**1.1**
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**
	MW24-20221216	12/16/22	SoundEarth	<1	<0.5	**64**	<1	**6.1**
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**
	MW25-20221216	12/16/22	SoundEarth	3.2	3.8	5.9	<1	**2.2**
	MW99-20221216 (DUP)			3.0	3.7	5.7	<1	**2.1**
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**
	IW04-20221215	12/15/22	SoundEarth	<1	<0.5	<1	<1	**0.28**
MTCA Cleanup Level				**5[(2)]**	**5[(2)]**	**16[(3)]**	**160[(3)]**	**0.2[(2)]**

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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)
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
	IW06-20221215	12/15/22	SoundEarth	1.7	<0.5	<1	<1	<0.02
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**
	IW50-20221216	12/16/22	SoundEarth	4.7	2.1	**35**	<1	**6.4**
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**
	IW61-20221216	12/16/22	SoundEarth	<1	<0.5	**57**	<1	**2.7**
MTCA Cleanup Level				**5[(2)]**	**5[(2)]**	**16[(3)]**	**160[(3)]**	**0.2[(2)]**

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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	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)
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
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
	MW04-20221214	12/14/22	SoundEarth	<1	**8.2**	<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							
MTCA Cleanup Level				**5[(2)]**	**5[(2)]**	**16[(3)]**	**160[(3)]**	**0.2[(2)]**

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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)
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
	MW07-20221214	12/14/22	SoundEarth	2.5	**5.9**	<1	<1	<0.02
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
	MW13-20221214	12/114/22	SoundEarth	4.8	0.57	<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
	MW27-20221215	12/15/22	SoundEarth	<1	**16**	4.6	<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)
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
	MW31-20221214	12/14/22	SoundEarth	<1	3.5	<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
	MW34-20221214	12/14/22	SoundEarth	<1	**5.2**	<1	<1	<0.02
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							
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)
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
	MW28-20221215	12/15/22	SoundEarth	2.9	1.2	**17**	<1	0.067
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
	MW01-20221214	12/14/22	SoundEarth	<1	<0.5	<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							
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
	MW26-20221214	12/14/22	SoundEarth	<1	**10**	<1	<1	<0.2
MTCA Cleanup Level				**5[(2)]**	**5[(2)]**	**16[(3)]**	**160[(3)]**	**0.2[(2)]**

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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)
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
	MW32-20221214	12/14/22	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
	MW33-20221213	12/13/22	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
	DECOMMISSIONED 2022							
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
	DECOMMISSIONED 2022							
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
	DECOMMISSIONED 2022							
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
	DECOMMISSIONED 2022							
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
	DECOMMISSIONED 2022							
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

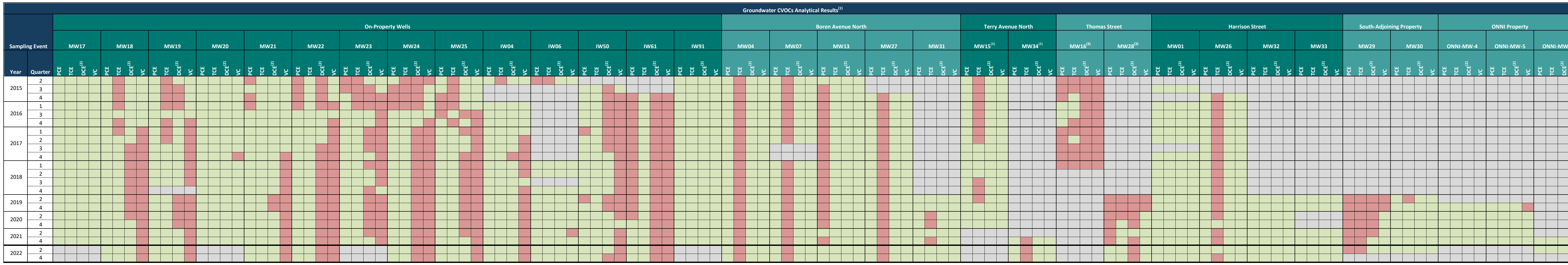
SoundEarth = SoundEarth Strategies, Inc.

TCE = trichloroethene

WAC = Washington Administrative Code

![SoundEarth Strategies]

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



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	--	--	--	--
	MW21-20221215	12/15/22	SoundEarth	**14,000**[x]	**4,200**[x]	200	--	--	--	--
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)
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]	<100	--	--	--	--
	MW22-20221216	12/16/22	SoundEarth	**12,000**[x]	**2,200**[x]	150	--	--	--	--
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)]

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)
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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Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
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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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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)
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]**

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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)
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	--	--	--	--
	MW13-20221214	12/14/22	SoundEarth	88[x]	<280	<100	--	--	--	--
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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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	--	--	--	--
	MW28-20221215	12/15/22	SoundEarth	160[x]	<260	<100	<0.35	<1	<1	<3
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
	MW18-20221215	12/15/22	0.16	--	<02.00[D]	9,320	18.200	1.19[D]	--	0.259[J]	6,840[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
	MW19-20221216	12/16/22	0.19	--	<1.00[D,H]	4,460	10.100	23.3[DH]	--	<6.00[D]	7,040[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
	MW21-20221215	12/15/22	0.14	--	--	--	--	--	--	--	3,230[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
	MW22-20221216	12/16/22	0.13	--	<1.00^{DH}	5,010	5.820	15.0^{DH}	--	<1.95^{DJ}	5,19^{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
	MW24-20221216	12/16/22	0.23	--	<1.00^{DH}	38,900	22.300	14.6^{DH}	--	<6.00^{D}	11,900^{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
	MW25-20221216	12/16/22	0.17	--	<0.500[D,H]	7,600	5.620	5.54[DH]	--	28.6[D]	9,830[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]	--	--	--
	IW04-20221215	12/15/22	0.17	--	<2.00[D]	7,730	16.400	19.3[D]	--	0.970[DJ]	--	--	--
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
	IW50-20221216	12/16/22	0.17	--	<0.500[DH]	5,070	4.160	11.2[DH]	--	4.19[D]	8,070[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
	IW61-20221216	12/16/22	0.25	--	<1.00[D,H]	23,600	34.100	22.1[D,H]	--	<6.00[D]	5,120[D]	<15.1	<14.6

SoundEarth Strategies

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)
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
	MW04-20221214	12/14/22	8.16	--	24.4[D,H]	7.44	0.203	0.0682[J,H]	--	36.7[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
	MW07-20221214	12/14/22	8.46	--	34.2[D,H]	28.0	0.327	0.205[H]	--	39.9[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
	MW28-20221215	12/15/22	2.17	--	<2.00[D]	512	1.340	0.826[H]	--	1.59	13.1	<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[D,H]	587	7.330	1.17[H]	--	17.8[D]	8.05	<15.1	<14.6
	MW26-20221214	12/14/22	3.27	--	0.189[H]	1,270	28.100	1.42[D,H]	--	30.1[D,B]	13.9	<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:

[B]Indicates a detection in the ICB or CCB.

[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

CCB = Continued Calibration Blank

ICB = Initial Calibration Blank

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
	MW18-20221215	12/15/22	6.17	-59.7	0.16	0.86	22.40	14.3	449	6.18

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)
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	0.720	8.47	15.2	373	--
	MW19-20221216	12/16/22	6.17	-49.4	0.19	0.699	12.10	15.4	328	--
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
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)
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
	MW21-20221215	12/15/22	6.82	118.4	0.14	1.650	38.1	14.30	--	104[D]

Table 5
Geochemical and Water Quality Parameters
Troy Laundry Seattle Site
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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)
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
	MW22-20221216	12/16/22	60.9	-13	0.13	0.749	35.60	14.40	289	105[D]

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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
	MW24-20221216	12/16/22	6.26	-24.7	0.23	0.837	9.43	14.70	440	8.08[B]

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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
	MW25-20221216	12/16/22	6.41	-60.2	0.17	0.614	3.2	15.50	260	1.16
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	0.880	14.4	14.30	460	75.6[D]
	IW04-20221215	12/15/22	6.21	-97.1	0.17	0.813	9.96	14.50	312	30.5[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	--	--
	IW06-20221215	12/15/22	7.30	189.9	0.19	1.020	32.60	15.00	--	--
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
	IW50-20221216	12/16/22	7.32	32.2	0.17	1.25	7.40	14.70	400	5.66
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]
	IW61-20221216	12/16/22	7.2	26.7	0.25	1.530	164.0	14.90	474	81.4[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	--	--
	MW31-20221214	12/14/22	6.37	176.2	7.41	0.311	32.6	14.8	--	--

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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	0.700	7.06	15.00	61.6	0.633
	MW04-20221214	12/14/22	6.48	183.3	8.16	0.582	9.11	14.10	211	0.761

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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
	MW07-20221214	12/14/22	6.81	323.7	8.46	0.970	15.1	14.80	32.7	0.756

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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	--	--
	MW13-20221214	12/14/22	6.27	189.7	6.58	0.411	9.39	14.80	--	--

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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	1.10	15.57	--	--
	MW27-20221215	12/15/22	6.43	182.6	0.46	0.497	1.46	14.40	--	--
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	--	--
	MW34-20221214	12/14/22	6.78	321.9	9.82	0.700	29	14.8	--	--
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[D]
	MW16-20170922	09/22/17	6.62	189.4	0.72	0.995	1.35	16.96	--	92.1[D]
	MW16-20171229	12/29/17	6.87	96.9	2.13	0.830	1.95	14.11	--	93.5[D]
	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	06/13/19	6.62	81.3	1.08	0.867	4.22	18.72	424	--
	MW28-20191009	10/09/19	8.1	87.4	1.58	0.789	5.72	16.13	--	--
	MW28-20191204	12/04/19	6.68	161.5	0.24	0.79	7.72	15.49	391	--
	MW28-20200626	06/26/20	6.70	-71.0	0.55	0.734	6.51	16.60	351	--
	MW28-20201211	12/11/20	6.89	158.9	1.47	0.634	18.9	14.37	304	--
	MW28-20210623	06/23/21	6.69	-48.1	3.67	0.723	7.71	19.66	292	--
	MW28-20211216	12/16/21	7.34	85.3	0.44	0.532	--	14.40	223	--
	MW28-20220609	06/09/22	6.79	81.4	1.2	0.60	16.3	15.10	267	--
	MW28-20221215	12/15/22	7.48	175.9	2.17	0.91	47.5	14.90	248	--
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	--	--
	MW01-20221214	12/14/22	6.39	184.7	8.34	0.283	5.7	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)
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
	MW26-20221214	12/14/22	6.93	291.60	3.27	0.75	>200	15.30	139	1.06
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	--	--
	MW32-20221214	12/14/22	7.1	279.9	2.60	0.479	146.0	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	--	--
	MW33-20221213	12/13/22	6.75	133.3	7.56	0.527	29.2	14.6	--	--

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	--	--
	WELL DECOMISSIONED 2022									
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	--	--
	WELL DECOMISSIONED 2022									
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	--	--
	WELL DECOMISSIONED 2022									
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	--	--
	WELL DECOMISSIONED 2022									
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	--	--
	WELL DECOMISSIONED 2022									

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
	MW18-20220609	06/09/22	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	7.97
	MW18-20221215	12/15/22	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	6.18

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
	MW21-20220609	06/09/22	<0.39	<0.54	<0.31	0.64	<0.41	<0.69	--	--	123[D]
	MW21-20221215	12/15/22	<0.39	161	6.1	<0.22	14	4.1	--	--	104[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]
	MW22-20220609	06/09/22	<0.39	168	17	0.6	12	1.3	--	--	42.0
	MW22-20221216	12/16/22	<0.39	191	1.5	<0.22	20	2.5	--	--	105[D]

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)
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
	MW24-20220609	06/09/22	<0.39	1.0	<0.31	0.92	<0.41	<0.69	--	--	5.79
	MW24-20221216	12/16/22	<0.39	9.4	<0.31	<0.22	<0.41	<0.69	--	--	8.08[D]

Table 6
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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)
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
	MW25-20220609	06/09/22	<0.39	<0.54	<0.31	0.80	<0.41	<0.69	--	--	2.29
	MW25-20221216	12/16/22	<0.39	6.5	<0.31	<0.22	<0.41	<0.69	--	--	1.16
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]
	IW04-20220609	06/09/22	<0.39	178	45	5.9	29	16	--	--	75.6[D]
	IW04-20221215	12/15/22	<0.39	7.2	<0.31	<0.22	<0.41	<0.69	--	--	30.5[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
	IW50-20220609	06/09/22	--	--	--	--	--	--	--	--	13.5
	IW50-20221216	12/16/22	<0.39	7.4	<0.31	<0.22	<0.41	<0.69	--	--	5.66

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)
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]
	IW61-20221216	12/16/22	<0.39	12	<0.31	<0.22	<0.41	<0.69	--	--	81.4[D]

NOTES:

[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

Second Quarter 2022

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.	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
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

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	1630
Received by:	McKenzie Elliott	SES	6-8-22	1630
Relinquished by:	McKenzie Elliott	SES	6-8-22	1708
Received by:	Eric Young	FB	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 24, 2022

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

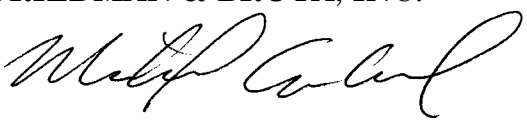
Dear Mr Fernandes:

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 EDD/AIL/WL6

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
MW26-20220608	MW26	–	01AE	6/8/22	0935	H_2O	11				X	X	X	X	X	X	
MW27-20220608	MW27	–	02AE	↓	1117		3				X						TIME 1146
MW13-20220608	MW13	–	03AE		1230		5	X		X	X						
IW06-20220609	IW06	–	04AE	6/9/22	0838		3				X						TIME 0838
IW04-20220609	IW04	–	05AD		0922		7				X		X	X	X	X	
MW28-20220609	MW28	–	06AE		1140		12	X		X	X	X	X	X	X		
MW99-20220609	MW99	–	07AE		1200		3				X						
IW50-20220609	IW50	–	08AD		1545		10				X	X	X	X	X	X	
MW19-20220609	MW19	–	09AD		1615		9				X	X	X	X	X		
MW21-20220609	MW21	–	10AE		1703		9	X		X	X	X				X	
MW18-20220609	MW18	–	11AD		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:	Linnea Coleman	SES	6/10/22	1500
Received by:	Liz Webber-Bruya	FB	6/10/22	1500
Relinquished by:				
Received by:	Samples received at 4 °C			

206216

SAMPLE CHAIN OF CUSTODY

06-10-22

Page # 2 of 2 (603/176/MW6)

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

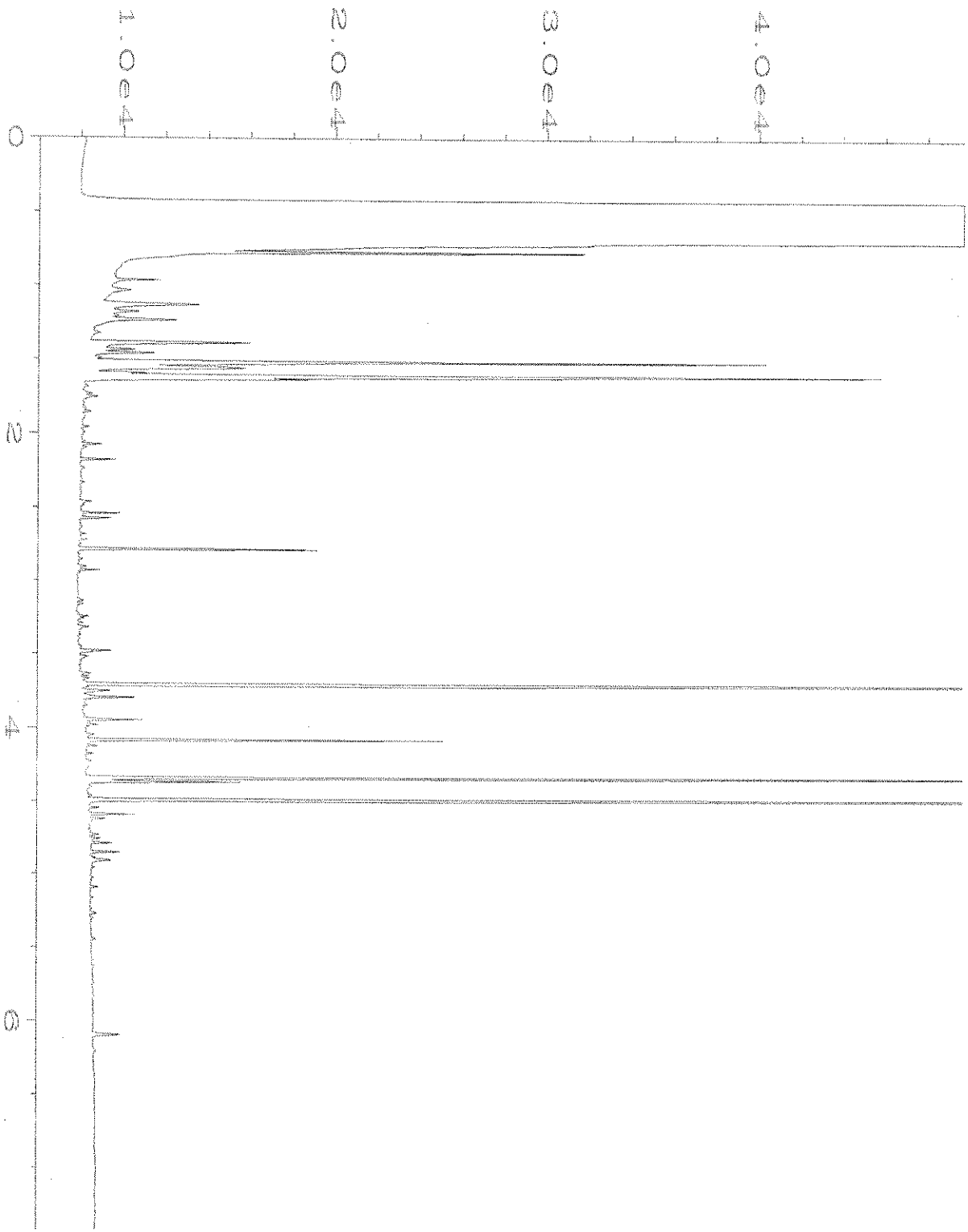
Will call with instructions

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
MW22-20220609	MW22	—	14KB	6/9/22	2008	H_2O	12	X		X	X	X	X	X	X	X	
~~DUP~~ IW61-20220609	IW61	—	15KD	"	2140	"	10				X	X	X	X	X	X	

LAC 6/10/22

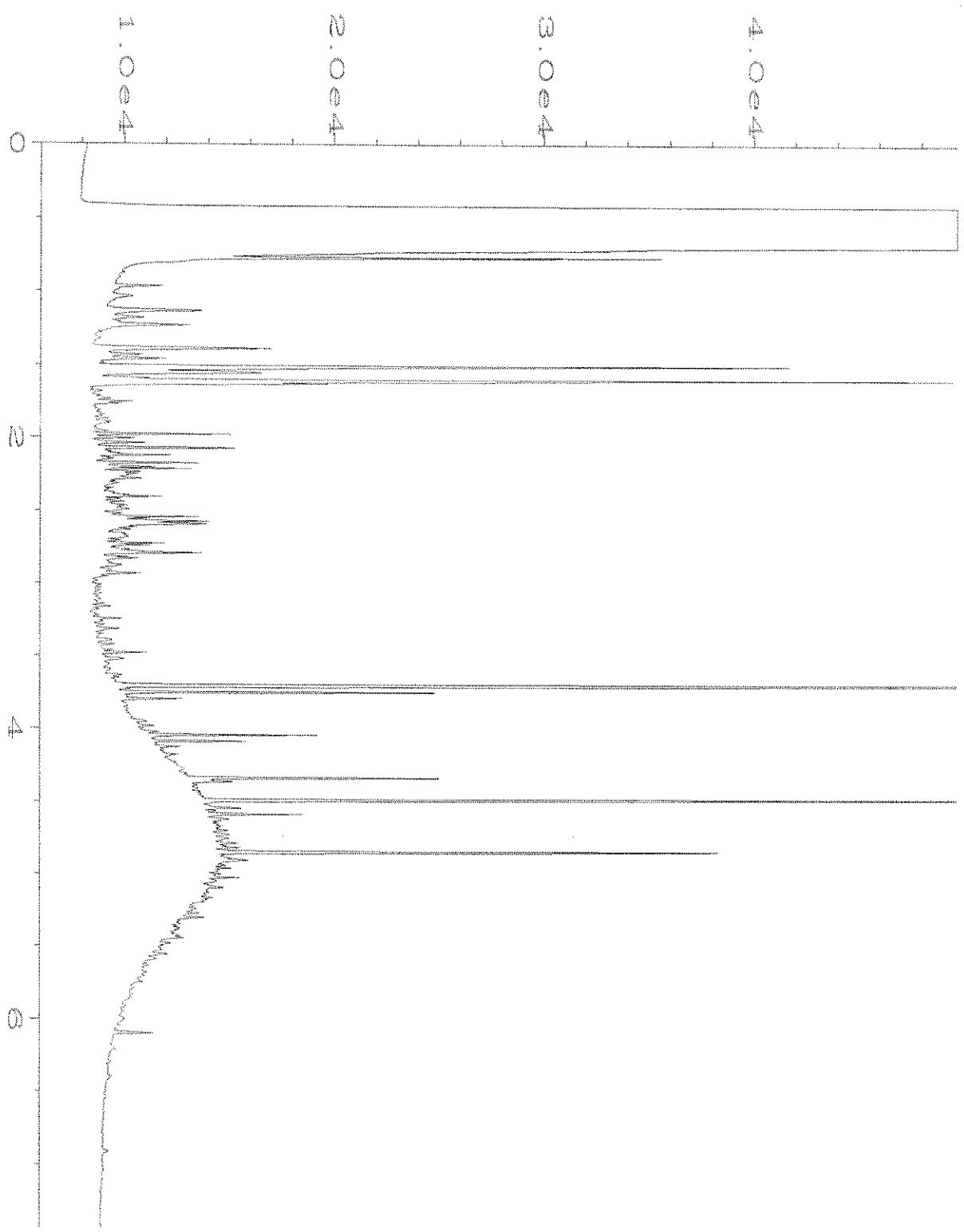
SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Linnea Coleman	SES	6/10/22	1500
Received by:	Liz Webber-Bruya	F?B	6/10/22	1500
Relinquished by:				
Received by:	Samples received at 4 °C			

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

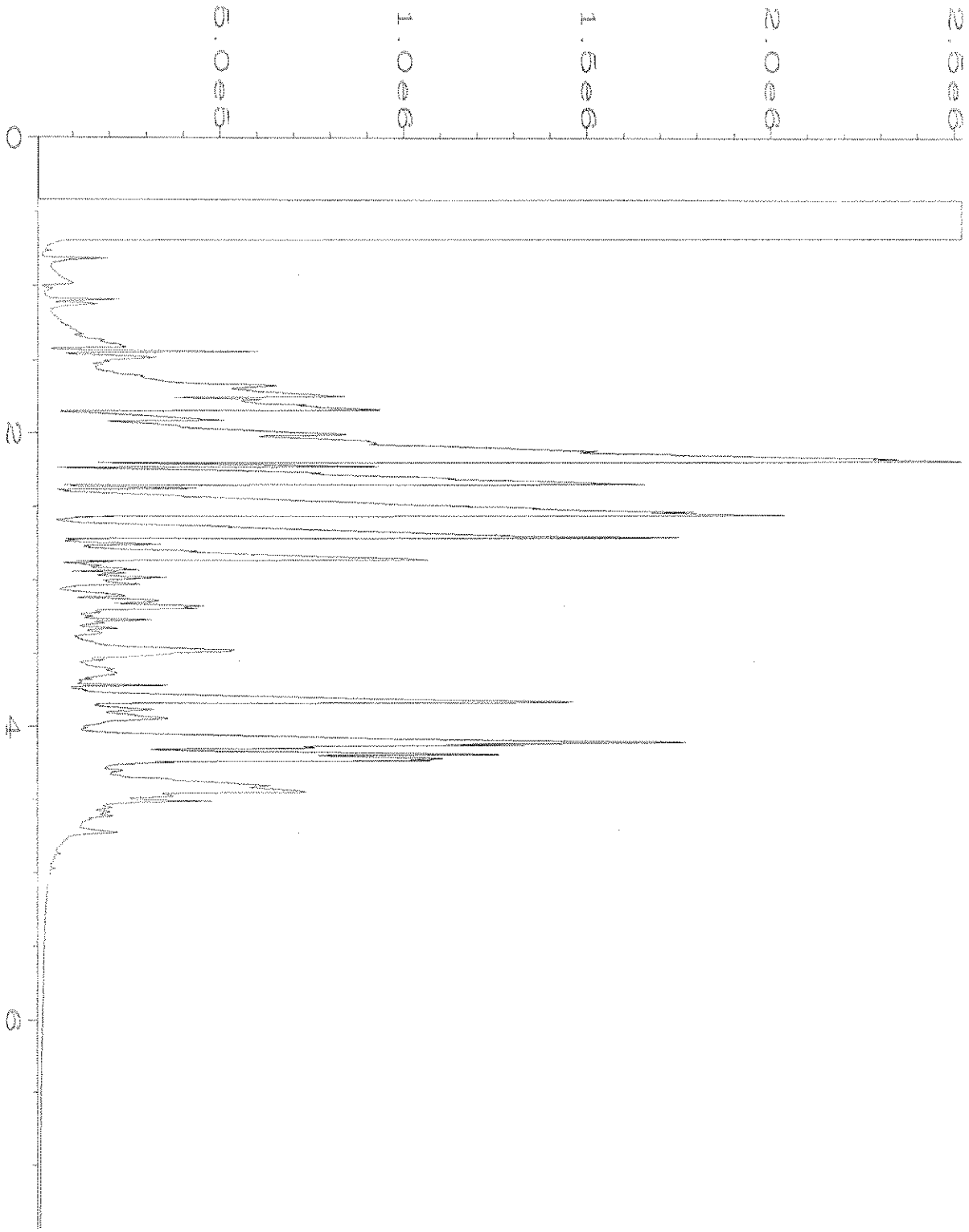


Data File Name : C:\HPCHEM\1\DATA\06-14-22\058F1901.D
Operator : TL
Instrument : GC1
Sample Name : 206216-03
Run Time Bar Code:
Acquired on : 15 Jun 22 00:55 AM
Report Created on: 15 Jun 22 11:25 AM

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



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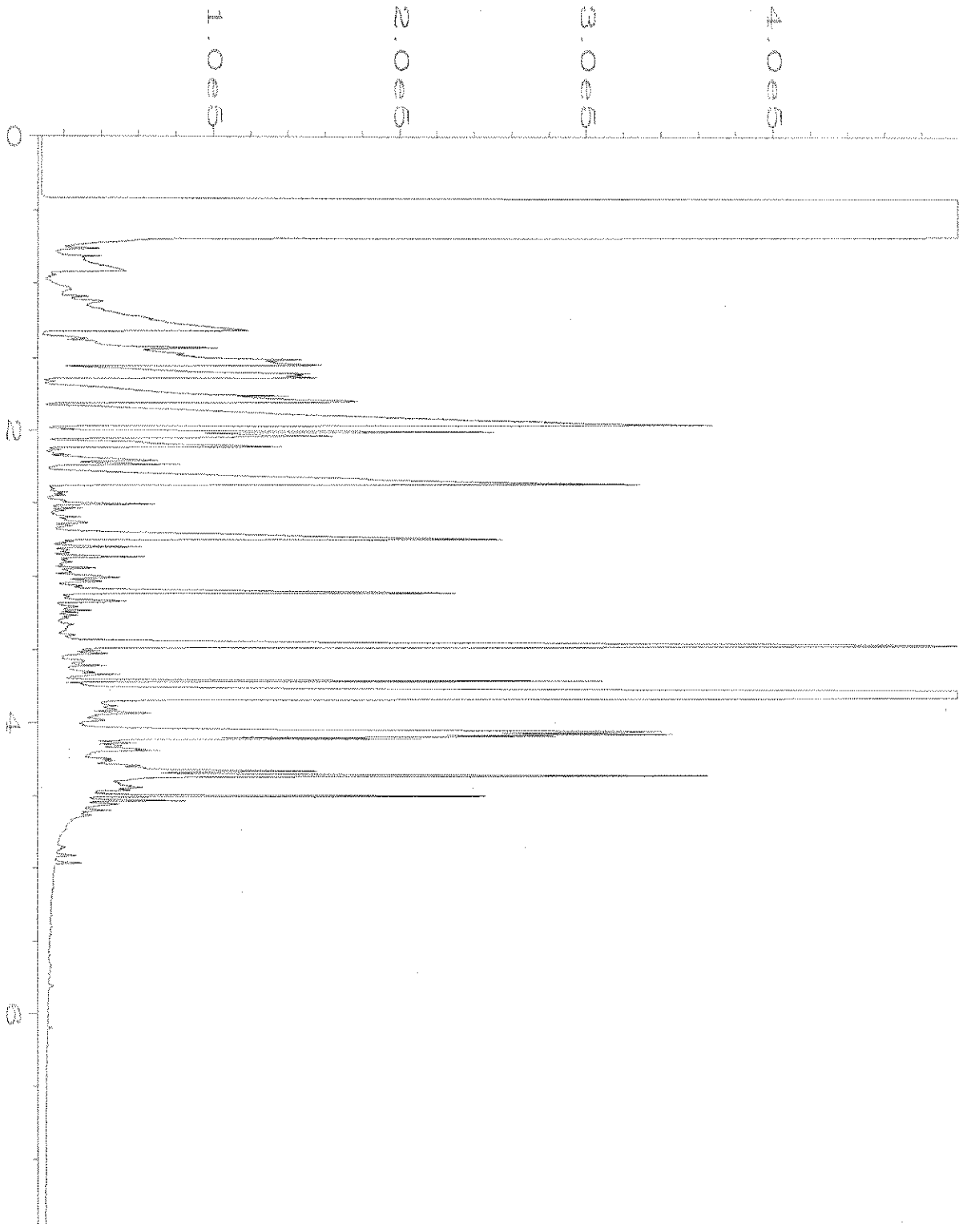
Operator : TL
Instrument : GC1
Sample Name : 206218-10
Run Time Bar Code: 6 J10615
Acquired on : 15 Jun 22 01:24 AM
Report Created on: 15 Jun 22 11:26 AM

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



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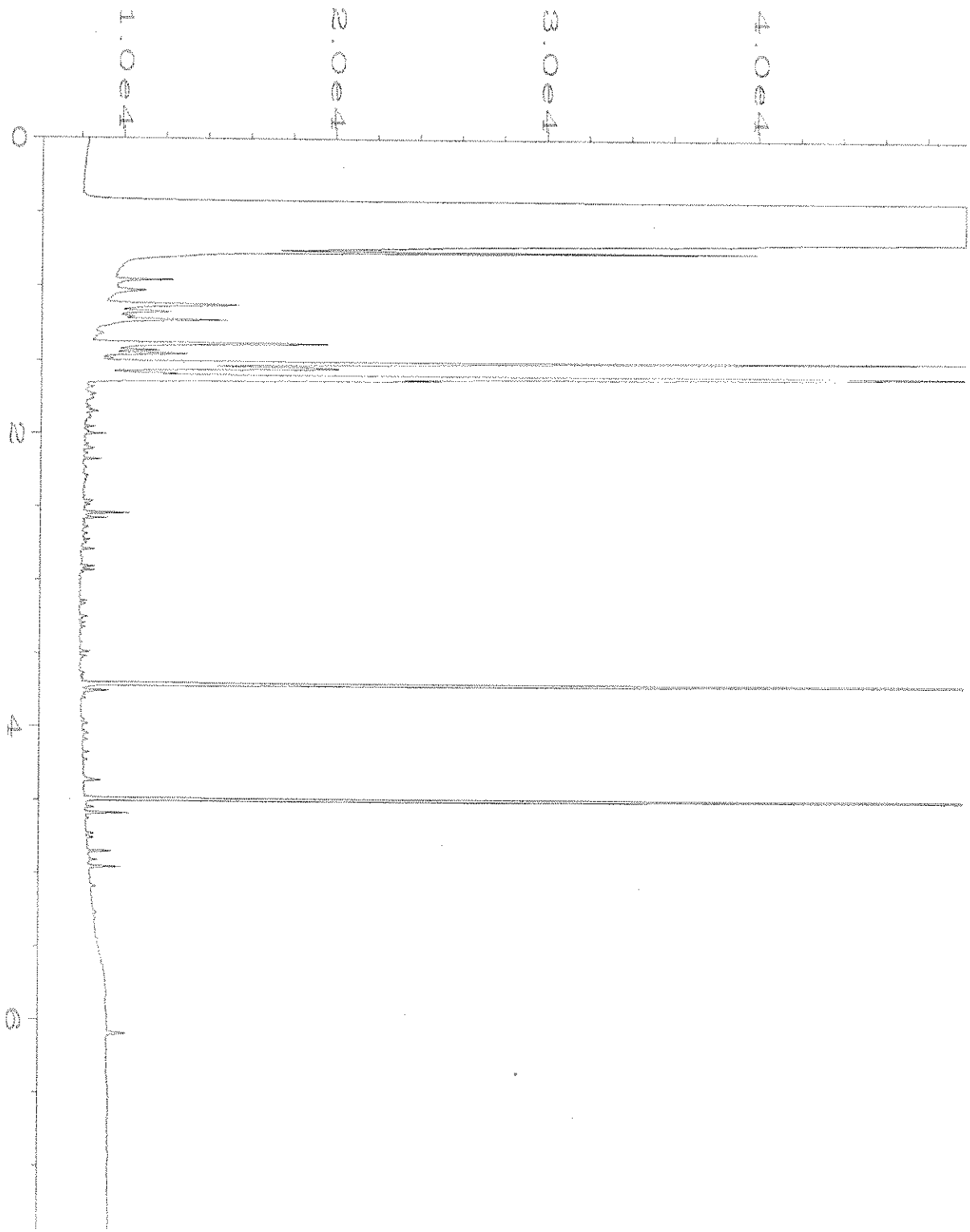
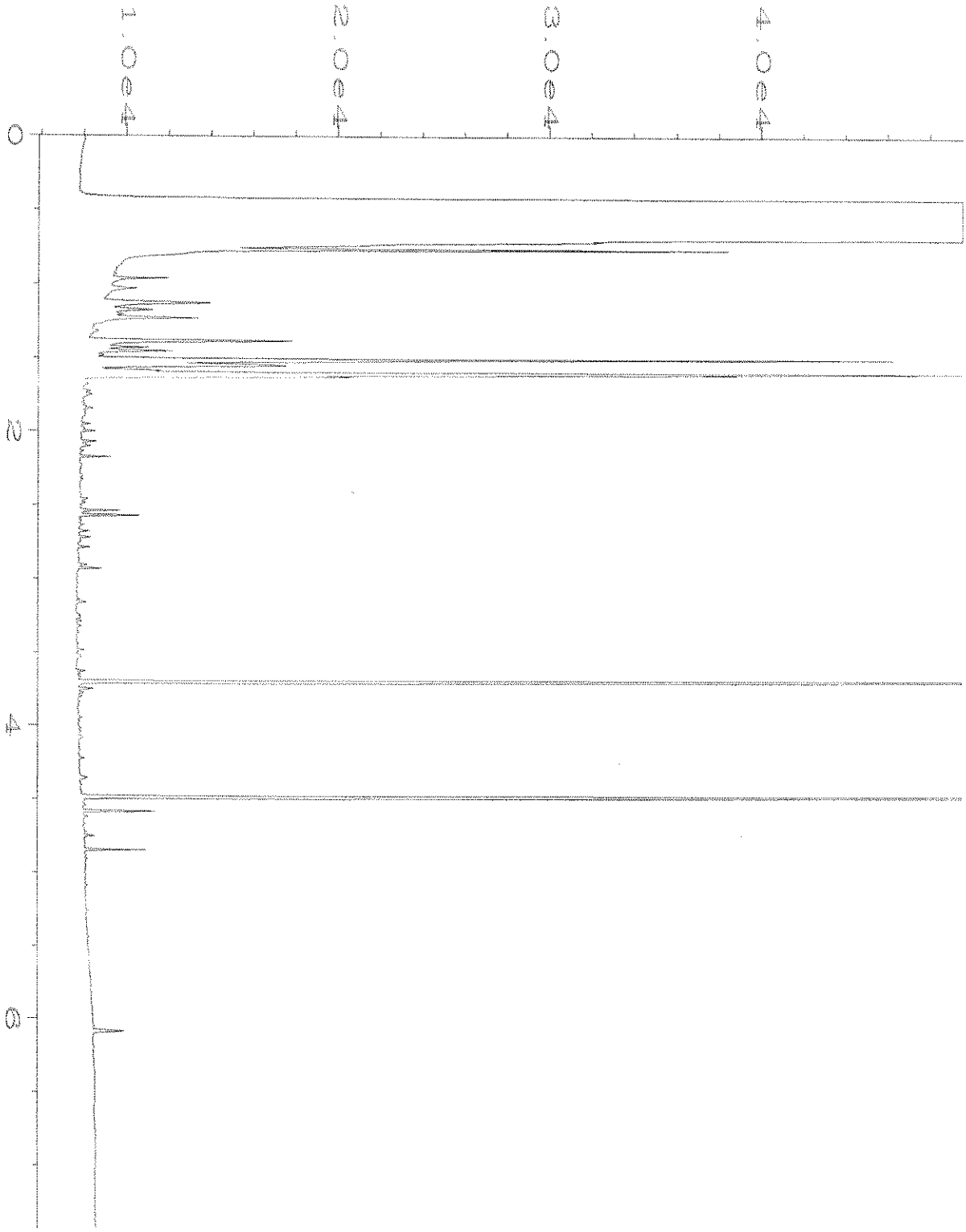
Operator : TL
Instrument : GC1
Sample Name : 206216-14
Run Time Bar Code:
Acquired on : 16 Jun 22 11:56 PM
Report Created on: 17 Jun 22 10:45 AM

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



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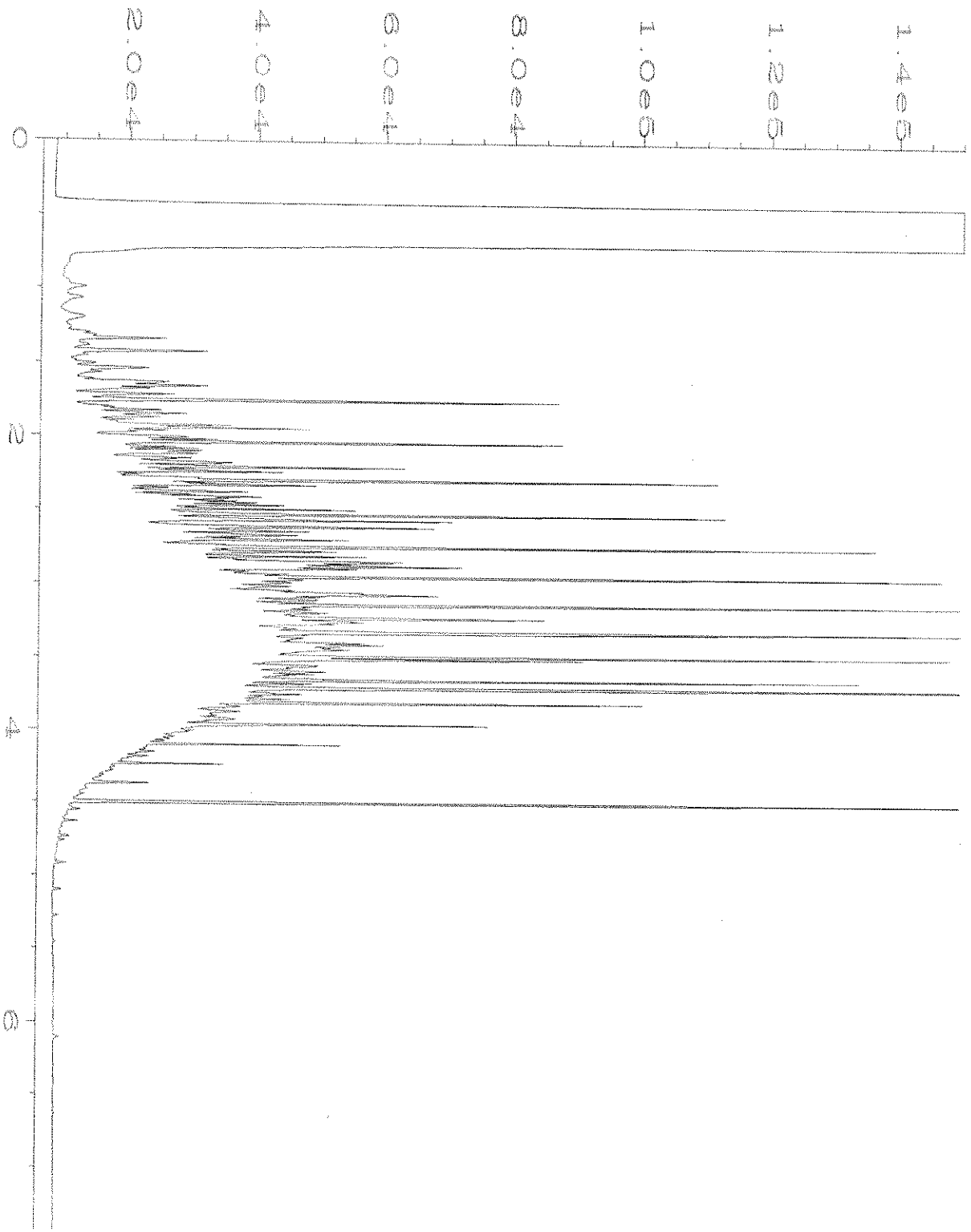
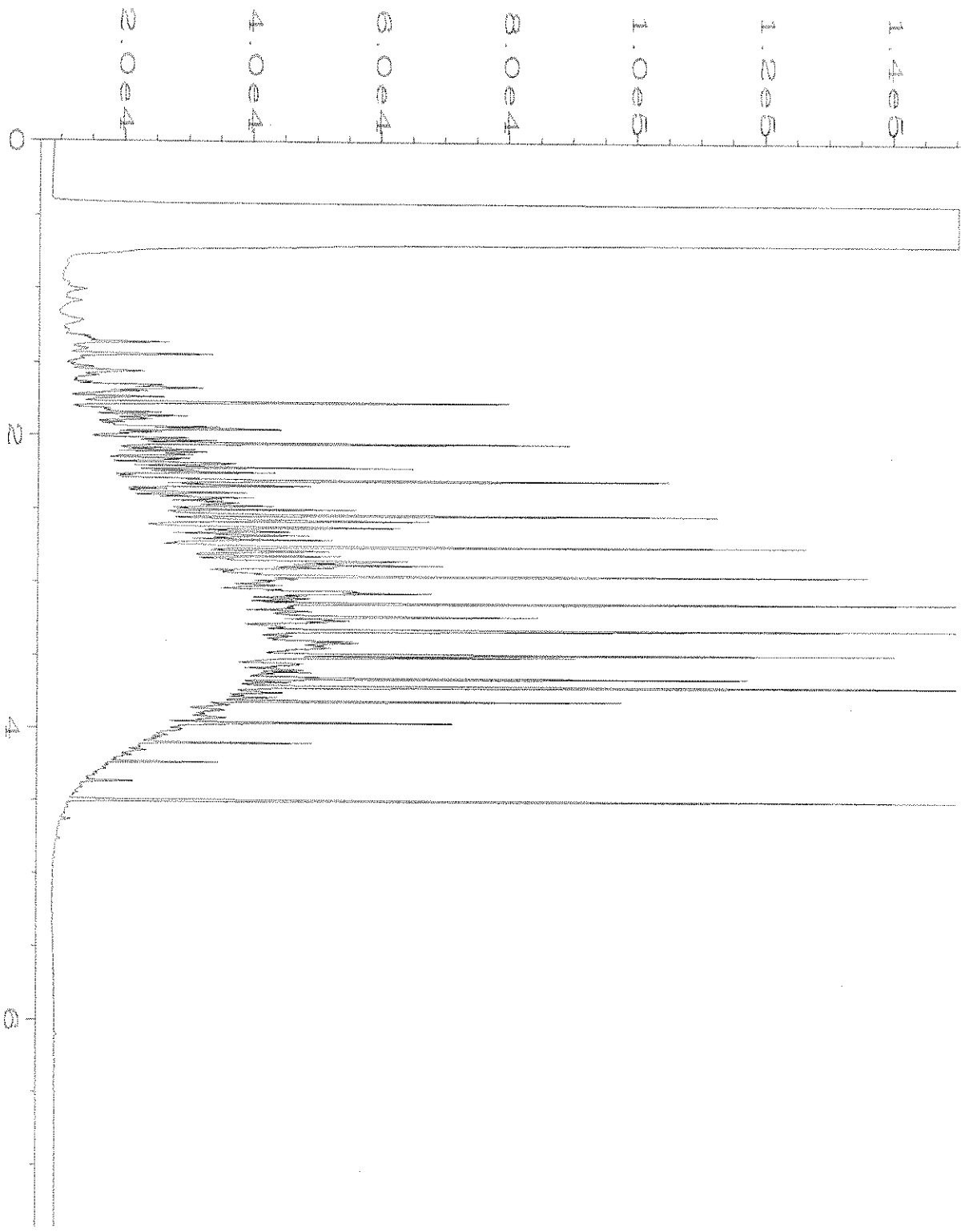
Operator	: TL	Page Number	: 1
Instrument	: GC1	Vial Number	: 48
Sample Name	: 02-1410 mb	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 17
Acquired on	: 14 Jun 22 09:56 PM	Instrument Method	: DX.MTH
Report Created on	: 15 Jun 22 11:26 AM	Analysis Method	: DEFAULT.MTH



Data File Name : C:\HPCHEM\1\DATA\06-14-22\003F0201.D
Operator : TL
Instrument : GC1
Sample Name : 500 Dx 65-122F
Run Time Bar Code:
Acquired on : 14 Jun 22 05:55 AM
Report Created on: 15 Jun 22 11:26 AM

Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 2
Instrument Method: DX.MTH
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: 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	Sulfate	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	FBI	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

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
Collection Date: 6/9/2022 9:40:00 PM
Project: 206216
Lab ID: 2206233-011
Matrix: Water
Client Sample ID: **IW61-20220609**

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	RPDLimit	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	RPDLimit	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	RPDLimit	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	RPDLimit	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	RPDLimit	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

SiREM

Chain-of-Custody Form

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

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	Preservative: VFA (Volatile Fatty Acids)	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 4.1.0°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-9177

*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
MW24 - 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

P.O. # 0731-004-08

Billing Information
*Bill To: Sound earth Strategies

Turnaround Time Requested
Normal ☑
Rush ☐

For Lab Use Only
Cooler Condition: Good
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

Fourth Quarter 2022

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.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 3, 2023

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 December 15, 2022 from the SOU_0731-004-08_ 20221215, F&BI 212264 project. There are 31 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
SOU0103R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 15, 2022 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-004-08_ 20221215, F&BI 212264 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
212264 -01	MW33-20221213
212264 -02	MW32-20221214
212264 -03	MW01-20221214
212264 -04	MW26-20221214
212264 -05	MW31-20221214
212264 -06	MW34-20221214
212264 -07	MW13-20221214
212264 -08	MW07-20221214
212264 -09	MW04-20221214
212264 -10	MW27-20221215
212264 -11	MW28-20221215
212264 -12	IW04-20221215
212264 -13	IW06-20221215
212264 -14	MW18-20221215
212264 -15	MW21-20221215

The samples marked for RSK dissolved gasses, sulfate, nitrate, alkalinity, ferrous iron, and TOC analyses were sent to Fremont Analytical. The report is enclosed.

All quality control requirements were acceptable.

Date of Report: 01/03/23
Date Received: 12/15/22
Project: SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted: 12/19/22
Date Analyzed: 12/19/22

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 50-150)
MW13-20221214 212264-07	<100	109
MW28-20221215 212264-11	<100	124
MW21-20221215 212264-15	200	111
Method Blank 02-2933 MB	<100	118

Date of Report: 01/03/23
Date Received: 12/15/22
Project: SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted: 12/16/22
Date Analyzed: 12/16/22

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)
MW13-20221214 212264-07 1/0.4	88 x	<280	127
MW28-20221215 212264-11 1/0.4	160 x	<260	127
MW21-20221215 212264-15 1/0.4	14,000 x	4,200 x	ip
Method Blank 02-3011 MB	<50	<250	129

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW26-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/19/22	Lab ID:	212264-04 x50
Date Analyzed:	12/19/22	Data File:	212264-04 x50.102
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	28,100
Manganese	1,270

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW07-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/19/22	Lab ID:	212264-08
Date Analyzed:	12/19/22	Data File:	212264-08.108
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	327
Manganese	28.0

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW04-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/19/22	Lab ID:	212264-09
Date Analyzed:	12/19/22	Data File:	212264-09.109
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	203
Manganese	7.44

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW28-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/19/22	Lab ID:	212264-11 x10
Date Analyzed:	12/19/22	Data File:	212264-11 x10.105
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	1,340
Manganese	512

Analysis For Total Metals By EPA Method 200.8

Client ID:	IW04-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/19/22	Lab ID:	212264-12 x50
Date Analyzed:	12/19/22	Data File:	212264-12 x50.106
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	16,400
Manganese	7,730

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW18-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/19/22	Lab ID:	212264-14 x50
Date Analyzed:	12/19/22	Data File:	212264-14 x50.107
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	18,200
Manganese	9,320

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/19/22	Lab ID:	I2-910 mb
Date Analyzed:	12/19/22	Data File:	I2-910 mb.037
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:	MW33-20221213	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-01
Date Analyzed:	12/16/22	Data File:	121621.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	96	72	130

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:	MW32-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-02
Date Analyzed:	12/16/22	Data File:	121622.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	103	72	130

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:	MW01-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-03
Date Analyzed:	12/16/22	Data File:	121623.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	102	72	130

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:	MW26-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-04
Date Analyzed:	12/16/22	Data File:	121624.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	10
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW31-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-05
Date Analyzed:	12/16/22	Data File:	121625.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
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:	MW34-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-06
Date Analyzed:	12/16/22	Data File:	121626.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	5.2
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW13-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-07
Date Analyzed:	12/16/22	Data File:	121627.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	0.57
Tetrachloroethene	4.8

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW07-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-08
Date Analyzed:	12/16/22	Data File:	121628.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	98	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	5.9
Tetrachloroethene	2.5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW04-20221214	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-09
Date Analyzed:	12/16/22	Data File:	121629.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	94	84	115
4-Bromofluorobenzene	97	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	8.2
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW27-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-10
Date Analyzed:	12/16/22	Data File:	121630.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	78	126
Toluene-d8	96	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	4.6
Trichloroethene	16
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW28-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-11
Date Analyzed:	12/16/22	Data File:	121631.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.067
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	17
Trichloroethene	1.2
Tetrachloroethene	2.9
Benzene	<0.35
Toluene	<1
Ethylbenzene	<1
m,p-Xylene	<2
o-Xylene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	IW04-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-12
Date Analyzed:	12/16/22	Data File:	121633.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	97	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.28
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:	IW06-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-13
Date Analyzed:	12/16/22	Data File:	121632.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	<1
Trichloroethene	<0.5
Tetrachloroethene	1.7

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW18-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-14
Date Analyzed:	12/16/22	Data File:	121634.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	78	126
Toluene-d8	95	84	115
4-Bromofluorobenzene	98	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.1
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:	MW21-20221215	Client:	SoundEarth Strategies
Date Received:	12/15/22	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	212264-15
Date Analyzed:	12/16/22	Data File:	121635.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	96	84	115
4-Bromofluorobenzene	98	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.4
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:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_0731-004-08_ 20221215, F&BI 212264
Date Extracted:	12/16/22	Lab ID:	02-2969 mb
Date Analyzed:	12/16/22	Data File:	121615.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	96	72	130

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: 01/03/23
Date Received: 12/15/22
Project: SOU_0731-004-08_ 20221215, F&BI 212264

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

Laboratory Code: 212258-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	110	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	110	70-130

Date of Report: 01/03/23
Date Received: 12/15/22
Project: SOU_0731-004-08_ 20221215, F&BI 212264

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	90	101	70-130	12

Date of Report: 01/03/23
Date Received: 12/15/22
Project: SOU_0731-004-08_ 20221215, F&BI 212264

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

Laboratory Code: 212279-01 (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	184	99	95	70-130	4
Manganese	ug/L (ppb)	20	38.9	95	88	70-130	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Iron	ug/L (ppb)	100	100	85-115
Manganese	ug/L (ppb)	20	99	85-115

Date of Report: 01/03/23
Date Received: 12/15/22
Project: SOU_0731-004-08_ 20221215, F&BI 212264

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

Laboratory Code: 212264-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.2	99	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	104	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
Trichloroethene	ug/L (ppb)	10	<1	97	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	102	50-150
Benzene	ug/L (ppb)	10	<0.35	104	50-150
Toluene	ug/L (ppb)	10	<1	102	50-150
Ethylbenzene	ug/L (ppb)	10	<1	103	50-150
m,p-Xylene	ug/L (ppb)	20	<2	103	50-150
o-Xylene	ug/L (ppb)	10	<1	105	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	106	103	70-130	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	107	105	70-130	2
cis-1,2-Dichloroethene	ug/L (ppb)	10	108	106	70-130	2
Trichloroethene	ug/L (ppb)	10	99	98	70-130	1
Tetrachloroethene	ug/L (ppb)	10	102	105	70-130	3
Benzene	ug/L (ppb)	10	106	105	70-130	1
Toluene	ug/L (ppb)	10	101	104	70-130	3
Ethylbenzene	ug/L (ppb)	10	102	106	70-130	4
m,p-Xylene	ug/L (ppb)	20	102	105	70-130	3
o-Xylene	ug/L (ppb)	10	105	108	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.

SAMPLE CHAIN OF CUSTODY

12/15/22 VW4/I3/N4 Page # 1 of 2

212264

Send Report To Levi Fernandes, cc ~~Clare Jochim~~ 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 8260	DRPH/ORPH by NWTPH-Dx	cVOCs * by EPA 8260C	Methane, Ethane, Ethene by RSK175	Sulfate, Nitrate, Alkalinity by SM18345/SM2320B	Total Fe and Mn by EPA 200.8	Fe 2+ by SM 3500	TOC By EPA 415.1	Notes
MW33-20221213	MW33	—	01 A-C	12/13/22	1554	H2O	3				X						
MW32-20221214	MW32	—	02	12/14/22	0946		3				X						
MW01-20221214	MW01	—	03	"	1003		3				X						
MW26-20221214	MW26	—	04 A-J		1117		10				X	X	X	X	X	X	
MW31-20221214	MW31	—	05 A-C		1212		3				X						
MW34-20221214	MW34	—	06		1345		3				X						
MW13-20221214	MW13	—	07 A-E		1436		5	X	X	X	X	X	X				Gx, Dx, cVOCs
MW07-20221214	MW07	—	08 A-J		1543		10	X			X	X	X	X	X	X	no Gx
MW04-20221214	MW04	—	09		1615		10				X	X	X	X	X	X	
MW27-20221215	MW27	—	10 A-C	12/15/22	0935		3				X						
MW28-20221215	MW28	—	11 A-K		1031		11	X	X	X	X	X	X	X	X		
~~EW04~~ EW04-20221215	EW04	—	12 A-G		1345		7				X		X	X	X	X	
EW06-20221215	EW06	—	13 A-C		1408		3				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:	Linnea Coleman	SES	12/15/22	~~12~~ 1744
Received by:	JOE MOHAMMED	FBI	12/15/22	1744
Relinquished by:	Samples received at ~~6~~ 3 °C			
Received by:		12.15 JM		

212264) ~~212264~~ (NP) Linnea Cokeman

SAMPLE CHAIN OF CUSTODY

12/15/22 NW4 / I-3 / NW4

Page # 2 of 2

Send Report To Levi Fernandes, cc ~~Chris Pacific~~

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

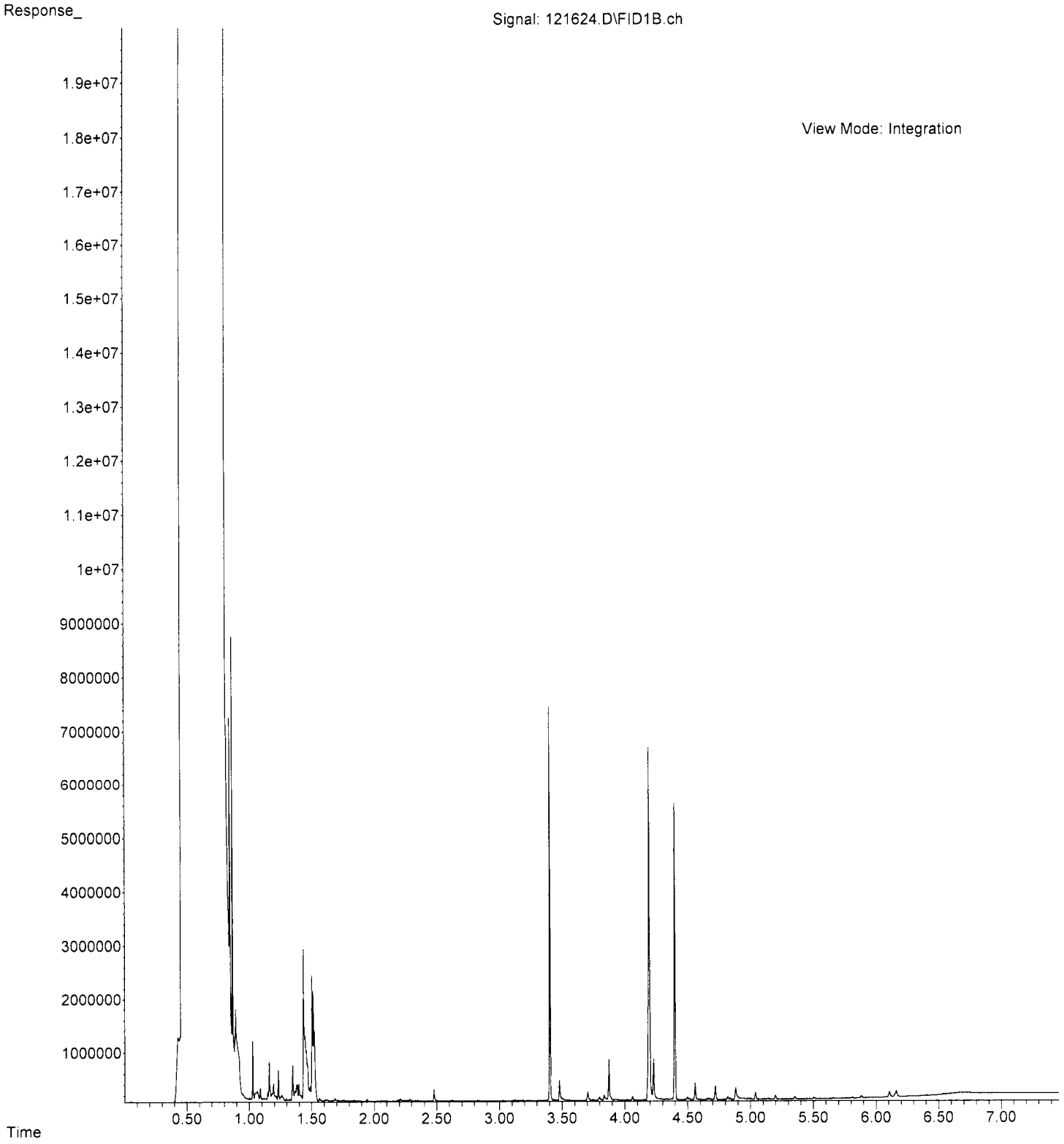
Return samples

Will call with instructions

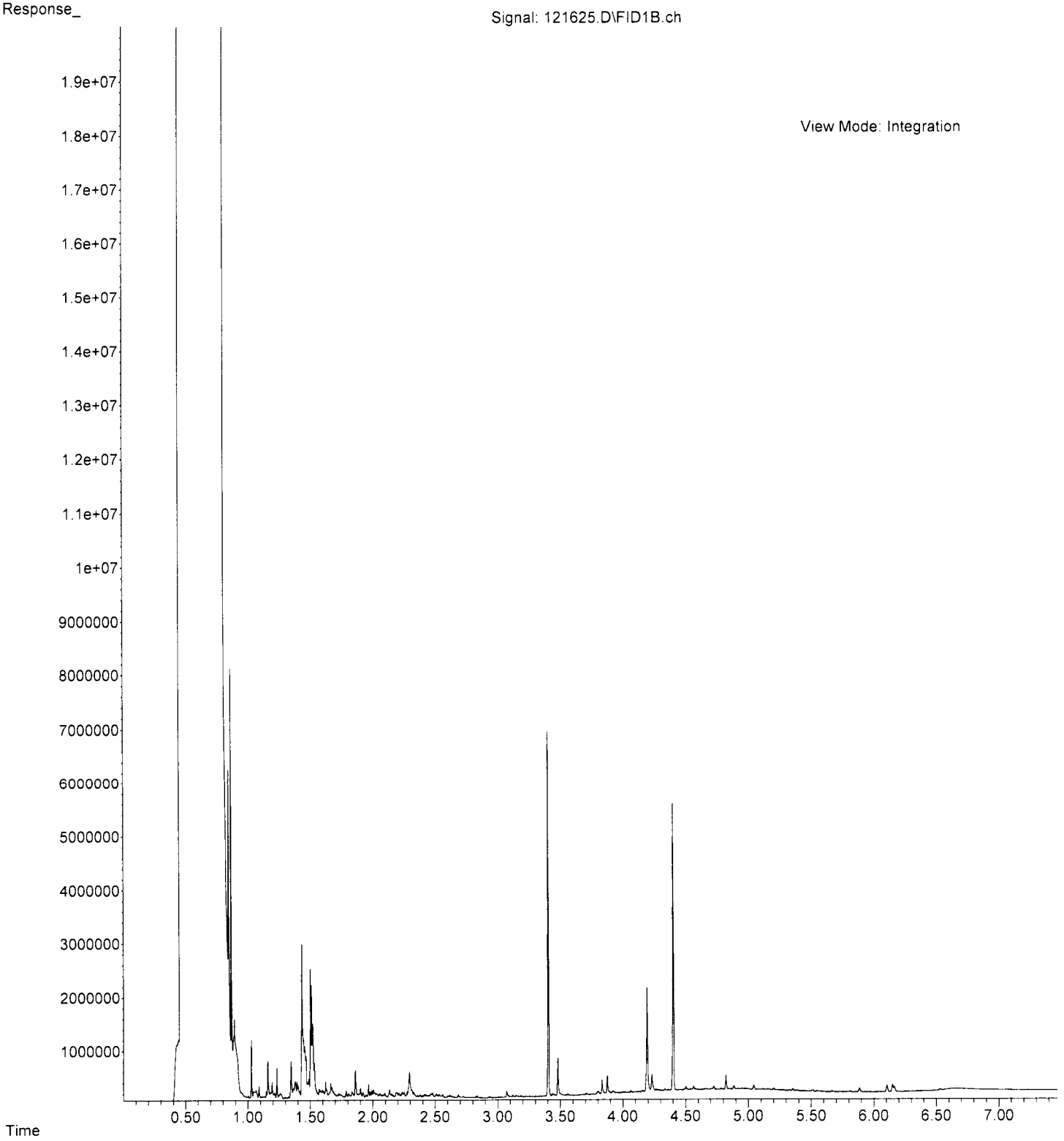
Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	GRPH by NWTPH-Gx	BTEX by EPA 8021B	DRPH/ORPH by NWTPH-Dx	cVOCs * by EPA 8260C	Methane, Ethane, Ethene by RSK175	Sulfate, Nitrate, Alkalinity by SM1845/SM2320B	Total Fe and Mn by EPA 200.8	Fe 2+ by SM 3500	TOC By EPA 415.1	Notes
MW18-20221215	MW18	—	14 A-J	12/15/22	1505	H2O	10				X	X	X	X	X	X	
MW21-20221215	MW21	—	15 A-I	12/15/22	1546	H2O	9	X		X	X	X				X	
						Ltoc 12/15/22											

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:	Linnea Cokeman	SES	12/15/22	1744
	Received by:	JOE MOHAMMED	FBI	12/15/22	1744
	Relinquished by:	Samples received at 8.3 °C			
	Received by:		12/15 JM		

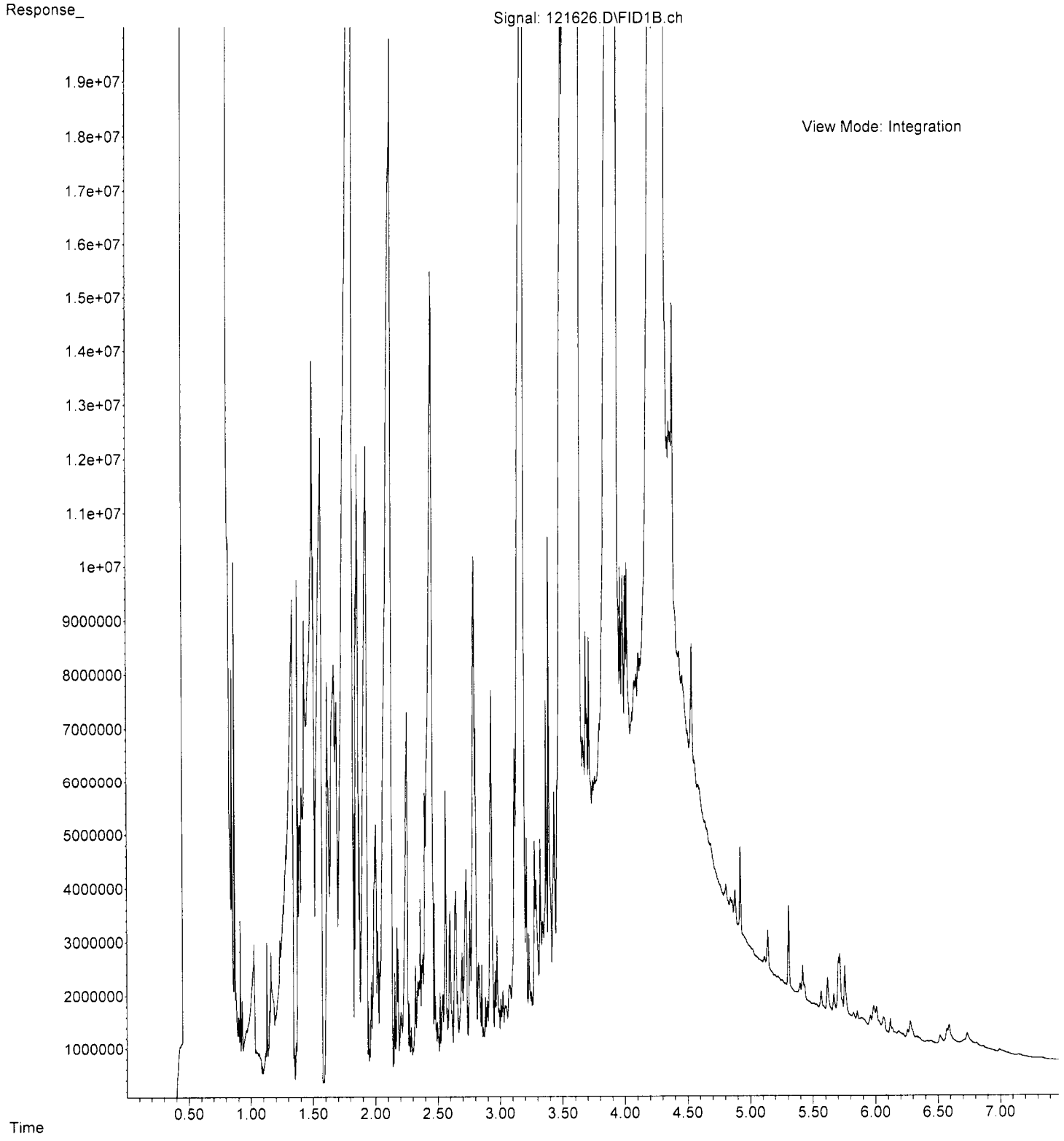
File :D:\GC10\GC10_Data\12-16-22\121624.D
Operator : TL
Acquired : 16 Dec 2022 14:33 using AcqMethod DX.M
Instrument : GC10
Sample Name: 212264-07
Misc Info :
Vial Number: 50



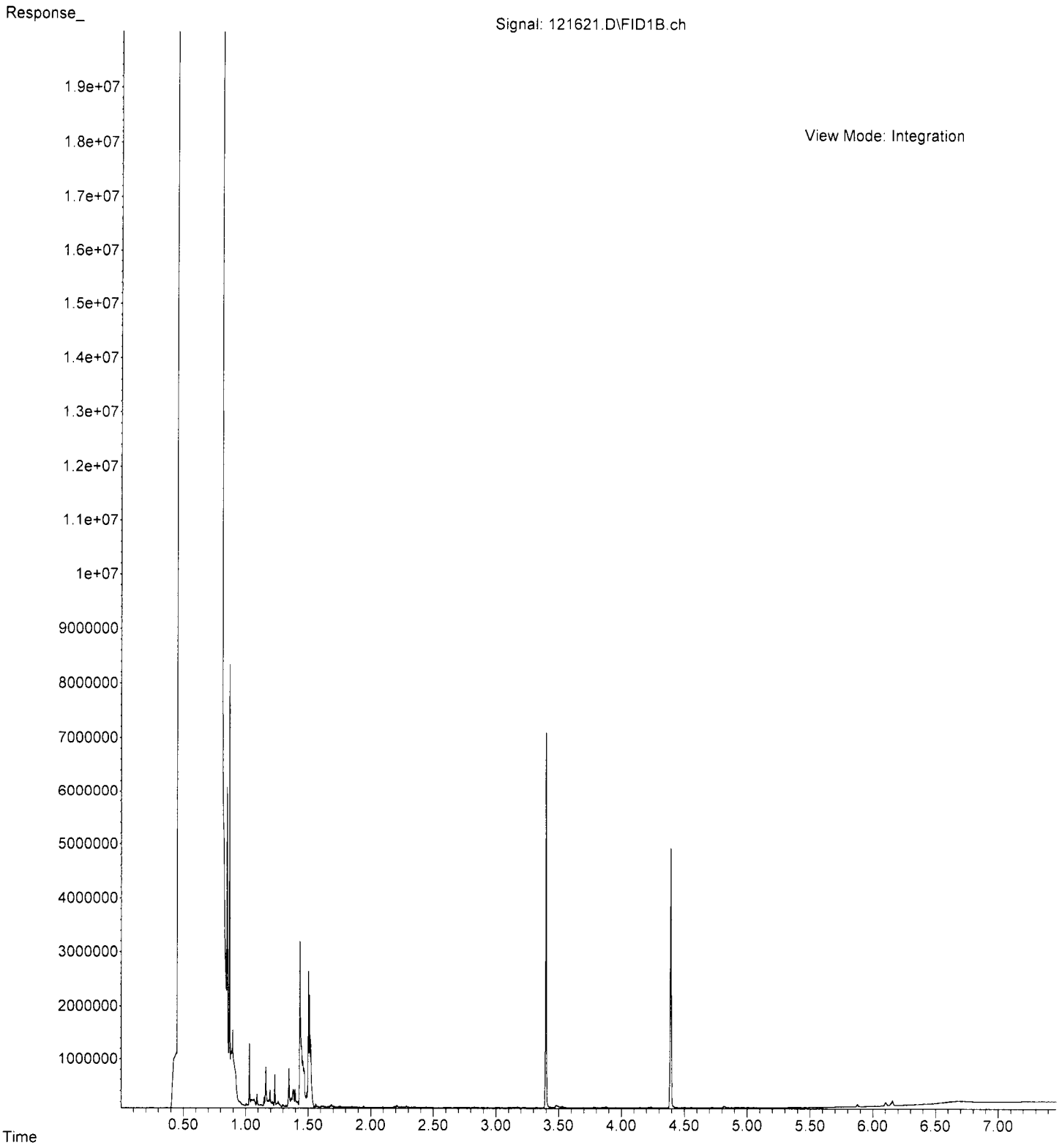
File :D:\GC10\GC10_Data\12-16-22\121625.D
Operator : TL
Acquired : 16 Dec 2022 14:44 using AcqMethod DX.M
Instrument : GC10
Sample Name: 212264-11
Misc Info :
Vial Number: 51



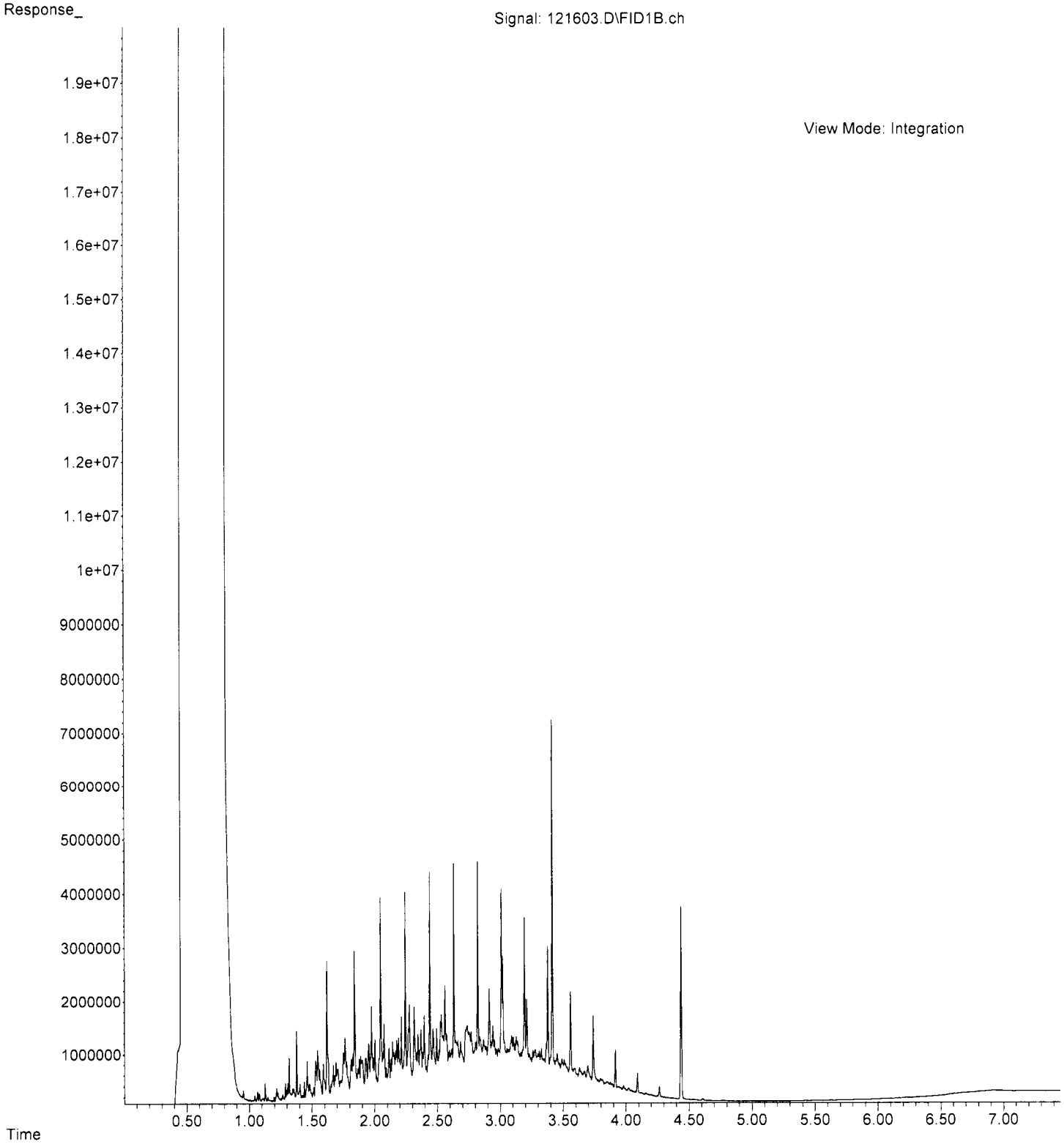
File :D:\GC10\GC10_Data\12-16-22\121626.D
Operator : TL
Acquired : 16 Dec 2022 14:56 using AcqMethod DX.M
Instrument : GC10
Sample Name: 212264-15
Misc Info :
Vial Number: 52



File :D:\GC10\GC10_Data\12-16-22\121621.D
Operator : TL
Acquired : 16 Dec 2022 13:57 using AcqMethod DX.M
Instrument : GC10
Sample Name: 02-3011 mb
Misc Info :
Vial Number: 47



File :D:\GC10\GC10_Data\12-16-22\121603.D
Operator : TL
Acquired : 16 Dec 2022 08:42 using AcqMethod DX.M
Instrument : GC10
Sample Name: 500 DX 67-143B
Misc Info :
Vial Number: 3



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.

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www.friedmanandbruya.com

January 3, 2023

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 December 16, 2022 from the SOU_0731-004-08_ 20221216, F&BI 212294 project. There are 24 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
SOU0103R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 16, 2022 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-004-08_ 20221216, F&BI 212294 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SoundEarth Strategies
212294 -01	MW19-20221216
212294 -02	MW25-20221216
212294 -03	IW50-20221216
212294 -04	MW99-20221216
212294 -05	MW22-20221216
212294 -06	IW61-20221216
212294 -07	MW24-20221216

The samples marked for RSK dissolved gasses, sulfate, nitrate, alkalinity, ferrous iron, and TOC analyses were sent to Fremont Analytical. The report is enclosed.

All quality control requirements were acceptable.

Date of Report: 01/03/23
Date Received: 12/16/22
Project: SOU_0731-004-08_ 20221216, F&BI 212294
Date Extracted: 12/19/22
Date Analyzed: 12/20/22

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 50-150)
MW22-20221216 212294-05	150	117
Method Blank 02-2933 MB	<100	118

Date of Report: 01/03/23
Date Received: 12/16/22
Project: SOU_0731-004-08_ 20221216, F&BI 212294
Date Extracted: 12/21/22
Date Analyzed: 12/22/22

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)
MW22-20221216 212294-05 1/0.4	12,000 x	2,200 x	110
Method Blank 02-3034 mb	<50	<250	115

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW19-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/20/22	Lab ID:	212294-01 x50
Date Analyzed:	12/20/22	Data File:	212294-01 x50.133
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	10,100
Manganese	4,460

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW25-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/20/22	Lab ID:	212294-02 x20
Date Analyzed:	12/21/22	Data File:	212294-02 x20.056
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	5,620
Manganese	7,600

Analysis For Total Metals By EPA Method 200.8

Client ID:	IW50-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/20/22	Lab ID:	212294-03 x50
Date Analyzed:	12/20/22	Data File:	212294-03 x50.135
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	4,160
Manganese	5,070

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW22-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/20/22	Lab ID:	212294-05 x50
Date Analyzed:	12/20/22	Data File:	212294-05 x50.136
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	5,820
Manganese	5,010

Analysis For Total Metals By EPA Method 200.8

Client ID:	IW61-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/20/22	Lab ID:	212294-06 x100
Date Analyzed:	12/20/22	Data File:	212294-06 x100.137
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	34,100
Manganese	23,600

Analysis For Total Metals By EPA Method 200.8

Client ID:	MW24-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/20/22	Lab ID:	212294-07 x100
Date Analyzed:	12/20/22	Data File:	212294-07 x100.142
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Iron	22,300
Manganese	38,900

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/20/22	Lab ID:	I2-911 mb
Date Analyzed:	12/20/22	Data File:	I2-911 mb.101
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:	MW19-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/21/22	Lab ID:	212294-01
Date Analyzed:	12/21/22	Data File:	122113.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	78	126
Toluene-d8	93	84	115
4-Bromofluorobenzene	97	72	130

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:	MW25-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/21/22	Lab ID:	212294-02
Date Analyzed:	12/21/22	Data File:	122114.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	78	126
Toluene-d8	93	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.2
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	5.9
Trichloroethene	3.8
Tetrachloroethene	3.2

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	IW50-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/21/22	Lab ID:	212294-03
Date Analyzed:	12/21/22	Data File:	122115.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	6.4
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	35
Trichloroethene	2.1
Tetrachloroethene	4.7

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW99-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/21/22	Lab ID:	212294-04
Date Analyzed:	12/21/22	Data File:	122120.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	96	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	5.7
Trichloroethene	3.7
Tetrachloroethene	3.0

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW22-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/21/22	Lab ID:	212294-05
Date Analyzed:	12/21/22	Data File:	122116.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	96	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	58
Trichloroethene	0.52
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	IW61-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/21/22	Lab ID:	212294-06
Date Analyzed:	12/21/22	Data File:	122117.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	72	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.7
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	57
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW24-20221216	Client:	SoundEarth Strategies
Date Received:	12/16/22	Project:	SOU_0731-004-08_ 20221216
Date Extracted:	12/21/22	Lab ID:	212294-07
Date Analyzed:	12/21/22	Data File:	122118.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	96	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	6.1
trans-1,2-Dichloroethene	<1
cis-1,2-Dichloroethene	64
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_ 20221216
Date Extracted:	12/21/22	Lab ID:	02-2977 mb
Date Analyzed:	12/21/22	Data File:	122107.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	96	84	115
4-Bromofluorobenzene	100	72	130

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: 01/03/23
Date Received: 12/16/22
Project: SOU_0731-004-08_ 20221216, F&BI 212294

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

Laboratory Code: 212258-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	110	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	110	70-130

Date of Report: 01/03/23
Date Received: 12/16/22
Project: SOU_0731-004-08_ 20221216, F&BI 212294

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)	1000	91	104	70-130	13

Date of Report: 01/03/23
Date Received: 12/16/22
Project: SOU_0731-004-08_ 20221216, F&BI 212294

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

Laboratory Code: 212307-01 (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	287	114	112	70-130	2
Manganese	ug/L (ppb)	20	12.6	94	97	70-130	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Iron	ug/L (ppb)	100	97	85-115
Manganese	ug/L (ppb)	20	96	85-115

Date of Report: 01/03/23
Date Received: 12/16/22
Project: SOU_0731-004-08_ 20221216, F&BI 212294

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

Laboratory Code: 212281-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.2	105	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	113	50-150
Trichloroethene	ug/L (ppb)	10	<1	98	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	104	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	103	100	70-130	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	104	104	70-130	0
cis-1,2-Dichloroethene	ug/L (ppb)	10	106	107	70-130	1
Trichloroethene	ug/L (ppb)	10	97	96	70-130	1
Tetrachloroethene	ug/L (ppb)	10	102	100	70-130	2

Date of Report: 01/03/23
Date Received: 12/16/22
Project: SOU_0731-004-08_ 20221216, F&BI 212294

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

Laboratory Code: 212281-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.2	105	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	113	50-150
Trichloroethene	ug/L (ppb)	10	<1	98	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	104	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	103	100	70-130	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	104	104	70-130	0
cis-1,2-Dichloroethene	ug/L (ppb)	10	106	107	70-130	1
Trichloroethene	ug/L (ppb)	10	97	96	70-130	1
Tetrachloroethene	ug/L (ppb)	10	102	100	70-130	2

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.

22294 Linnea Coleman

SAMPLE CHAIN OF CUSTODY

12/16/22 I1/M2/VW2

Page # 1 of 1

Send Report To Levi Fernandes, ~~cc Clare Tochilin~~

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
MW19-20221216	MW19	–	01A-I	12/16/22	0912	H2O	9				X	X	X	X	X		
MW25-20221216	MW25	–	02A-J		1050		10				X	X	X	X	X	X	
IW50-20221216	IW50	–	03		1104		10				X	X	X	X	X	X	
MW99-20221216	MW99	–	04A-C		1200		3									X	cVOC* only
MW22-20221216	MW22	~	05A-L		1250		12	X		X	X	X	X	X	X	X	
IW61-20221216	IW61	–	06A-J		1234		10				X	X	X	X	X	X	
MW24-20221216	MW24	~	07	↓	1423	↓	10				X	X	X	X	X	X	

12/16/22 Linnea

Samples received at 4 °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	12/16/22	1720
Received by:		Eric Young	F&B	12/16/22	1722
Relinquished by:					
Received by:					

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

Friedman & Bruya
Michael Erdahl
5500 4th Ave S
Seattle, WA 98108

RE: 212294
Work Order Number: 2212384

December 28, 2022

Attention Michael Erdahl:

Fremont Analytical, Inc. received 6 sample(s) on 12/19/2022 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: *12/28/2022*

CLIENT: Friedman & Bruya
Project: 212294
Work Order: 2212384

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2212384-001	MW19-20221216	12/16/2022 9:12 AM	12/19/2022 11:16 AM
2212384-002	MW25-20221216	12/16/2022 10:50 AM	12/19/2022 11:16 AM
2212384-003	IW50-20221216	12/16/2022 11:04 AM	12/19/2022 11:16 AM
2212384-004	MW22-20221216	12/16/2022 12:50 PM	12/19/2022 11:16 AM
2212384-005	IW61-20221216	12/16/2022 12:34 PM	12/19/2022 11:16 AM
2212384-006	MW24-20221216	12/16/2022 2:23 PM	12/19/2022 11:16 AM

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

Case Narrative

WO#: **2212384**
Date: **12/28/2022**

CLIENT: Friedman & Bruya
Project: 212294

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: **2212384**
Date Reported: **12/28/2022**

Client: Friedman & Bruya
Collection Date: 12/16/2022 9:12:00 AM
Project: 212294
Lab ID: 2212384-001
Matrix: Water
Client Sample ID: **MW19-20221216**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	7.04	0.338	D	mg/L	50	12/21/2022 12:59:00 PM
Ethene	ND	0.0146		mg/L	1	12/21/2022 12:15:00 PM
Ethane	ND	0.0151		mg/L	1	12/21/2022 12:15:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 38892		Analyst: AT
Nitrate (as N)	ND	1.00	DH	mg/L	10	12/21/2022 11:54:00 AM
Sulfate	ND	6.00	D	mg/L	10	12/21/2022 11:54:00 AM
Total Alkalinity by SM 2320B				Batch ID: R80726		Analyst: SS
Alkalinity, Total (As CaCO3)	328	2.50		mg/L	1	12/27/2022 11:00:00 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80585		Analyst: SLL
Ferrous Iron	23.3	7.50	DH	mg/L	50	12/19/2022 11:47:00 AM

Analytical Report

Work Order: **2212384**
Date Reported: **12/28/2022**

Client: Friedman & Bruya
Collection Date: 12/16/2022 10:50:00 AM
Project: 212294
Lab ID: 2212384-002
Matrix: Water
Client Sample ID: **MW25-20221216**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	9.83	0.338	D	mg/L	50	12/21/2022 1:02:00 PM
Ethene	ND	0.0146		mg/L	1	12/21/2022 12:19:00 PM
Ethane	ND	0.0151		mg/L	1	12/21/2022 12:19:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 38892		Analyst: AT
Nitrate (as N)	ND	0.500	DH	mg/L	5	12/21/2022 12:17:00 PM
Sulfate	28.6	3.00	D	mg/L	5	12/21/2022 12:17:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R80744		Analyst: AT
Total Organic Carbon	1.16	0.700		mg/L	1	12/27/2022 1:20:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80726		Analyst: SS
Alkalinity, Total (As CaCO3)	260	2.50		mg/L	1	12/27/2022 11:00:00 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80585		Analyst: SLL
Ferrous Iron	5.54	3.75	DH	mg/L	25	12/19/2022 11:47:00 AM

Analytical Report

Work Order: **2212384**
Date Reported: **12/28/2022**

Client: Friedman & Bruya
Collection Date: 12/16/2022 11:04:00 AM
Project: 212294
Lab ID: 2212384-003
Matrix: Water
Client Sample ID: **IW50-20221216**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	8.07	0.338	D	mg/L	50	12/21/2022 1:05:00 PM
Ethene	ND	0.0146		mg/L	1	12/21/2022 12:23:00 PM
Ethane	ND	0.0151		mg/L	1	12/21/2022 12:23:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 38892		Analyst: AT
Nitrate (as N)	ND	0.500	DH	mg/L	5	12/21/2022 12:40:00 PM
Sulfate	4.19	3.00	D	mg/L	5	12/21/2022 12:40:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R80744		Analyst: AT
Total Organic Carbon	5.66	0.700		mg/L	1	12/27/2022 3:09:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80726		Analyst: SS
Alkalinity, Total (As CaCO3)	400	2.50		mg/L	1	12/27/2022 11:00:00 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80585		Analyst: SLL
Ferrous Iron	11.2	3.75	DH	mg/L	25	12/19/2022 11:47:00 AM

Analytical Report

Work Order: **2212384**
Date Reported: **12/28/2022**

Client: Friedman & Bruya
Collection Date: 12/16/2022 12:50:00 PM
Project: 212294
Lab ID: 2212384-004
Matrix: Water
Client Sample ID: **MW22-20221216**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	5.19	0.338	D	mg/L	50	12/21/2022 1:07:00 PM
Ethene	ND	0.0146		mg/L	1	12/21/2022 12:29:00 PM
Ethane	ND	0.0151		mg/L	1	12/21/2022 12:29:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 38892		Analyst: AT
Nitrate (as N)	ND	1.00	DH	mg/L	10	12/21/2022 1:03:00 PM
Sulfate	1.95	6.00	DJ	mg/L	10	12/21/2022 1:03:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	105	7.00	D	mg/L	10	12/22/2022 5:52:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80726		Analyst: SS
Alkalinity, Total (As CaCO3)	289	2.50		mg/L	1	12/27/2022 11:00:00 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80585		Analyst: SLL
Ferrous Iron	15.0	3.75	DH	mg/L	25	12/19/2022 11:47:00 AM

Analytical Report

Work Order: **2212384**
Date Reported: **12/28/2022**

Client: Friedman & Bruya
Collection Date: 12/16/2022 12:34:00 PM
Project: 212294
Lab ID: 2212384-005
Matrix: Water
Client Sample ID: **IW61-20221216**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	5.12	0.338	D	mg/L	50	12/21/2022 1:09:00 PM
Ethene	ND	0.0146		mg/L	1	12/21/2022 12:31:00 PM
Ethane	ND	0.0151		mg/L	1	12/21/2022 12:31:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 38892		Analyst: AT
Nitrate (as N)	ND	1.00	DH	mg/L	10	12/21/2022 1:26:00 PM
Sulfate	ND	6.00	D	mg/L	10	12/21/2022 1:26:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	81.4	7.00	D	mg/L	10	12/22/2022 6:23:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80726		Analyst: SS
Alkalinity, Total (As CaCO3)	474	2.50		mg/L	1	12/27/2022 11:00:00 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80585		Analyst: SLL
Ferrous Iron	22.1	3.75	DH	mg/L	25	12/19/2022 11:47:00 AM

Analytical Report

Work Order: **2212384**
Date Reported: **12/28/2022**

Client: Friedman & Bruya
Collection Date: 12/16/2022 2:23:00 PM
Project: 212294
Lab ID: 2212384-006
Matrix: Water
Client Sample ID: **MW24-20221216**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	11.9	0.338	D	mg/L	50	12/21/2022 1:14:00 PM
Ethene	ND	0.0146		mg/L	1	12/21/2022 12:42:00 PM
Ethane	ND	0.0151		mg/L	1	12/21/2022 12:42:00 PM
Ion Chromatography by EPA Method 300.0				Batch ID: 38892		Analyst: AT
Nitrate (as N)	ND	1.00	DH	mg/L	10	12/21/2022 1:50:00 PM
Sulfate	ND	6.00	D	mg/L	10	12/21/2022 1:50:00 PM
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	8.08	7.00	D	mg/L	10	12/22/2022 6:54:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80726		Analyst: SS
Alkalinity, Total (As CaCO3)	440	2.50		mg/L	1	12/27/2022 11:00:00 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80585		Analyst: SLL
Ferrous Iron	14.6	3.75	DH	mg/L	25	12/19/2022 11:47:00 AM

Work Order: 2212384
CLIENT: Friedman & Bruya
Project: 212294

QC SUMMARY REPORT

Total Alkalinity by SM 2320B

Sample ID: **MB-R80726**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **12/27/2022**	RunNo: **80726**
Client ID: **MBLKW**	Batch ID: **R80726**		Analysis Date: **12/27/2022**	SeqNo: **1669759**

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-R80726**	SampType: **LCS**	Units: **mg/L**	Prep Date: **12/27/2022**	RunNo: **80726**
Client ID: **LCSW**	Batch ID: **R80726**		Analysis Date: **12/27/2022**	SeqNo: **1669760**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	103	2.50	100.0	0	103	81.3	118				

Sample ID: **2212384-001BDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **12/27/2022**	RunNo: **80726**
Client ID: **MW19-20221216**	Batch ID: **R80726**		Analysis Date: **12/27/2022**	SeqNo: **1669762**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	348	2.50						327.6	5.97	20	

Work Order: 2212384
CLIENT: Friedman & Bruya
Project: 212294

QC SUMMARY REPORT

Ferrous Iron by SM3500-Fe B

Sample ID: **MB-R80585**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80585**
Client ID: **MBLKW**	Batch ID: **R80585**		Analysis Date: **12/19/2022**	SeqNo: **1666210**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	ND	0.150									

Sample ID: **LCS-R80585**	SampType: **LCS**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80585**
Client ID: **LCSW**	Batch ID: **R80585**		Analysis Date: **12/19/2022**	SeqNo: **1666211**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	0.446	0.150	0.4000	0	111	85	115				

Sample ID: **2212384-002CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80585**
Client ID: **MW25-20221216**	Batch ID: **R80585**		Analysis Date: **12/19/2022**	SeqNo: **1666214**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	6.39	3.75						5.539	14.3	20	DH

Sample ID: **2212384-002CMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80585**
Client ID: **MW25-20221216**	Batch ID: **R80585**		Analysis Date: **12/19/2022**	SeqNo: **1666215**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	17.2	3.75	10.00	5.539	117	70	130				DH

Sample ID: **2212384-002CMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80585**
Client ID: **MW25-20221216**	Batch ID: **R80585**		Analysis Date: **12/19/2022**	SeqNo: **1666216**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	18.0	3.75	10.00	5.539	124	70	130	17.25	4.03	30	DH

Work Order: 2212384
CLIENT: Friedman & Bruya
Project: 212294

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **MB-38892**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80730**
Client ID: **MBLKW**	Batch ID: **38892**		Analysis Date: **12/19/2022**	SeqNo: **1669874**

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-38892**	SampType: **LCS**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80730**
Client ID: **LCSW**	Batch ID: **38892**		Analysis Date: **12/19/2022**	SeqNo: **1669875**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	0.717	0.100	0.7500	0	95.6	90	110				
Sulfate	3.55	0.600	3.750	0	94.7	90	110				

Sample ID: **2212384-002BDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80730**
Client ID: **MW25-20221216**	Batch ID: **38892**		Analysis Date: **12/19/2022**	SeqNo: **1669878**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	2.00						0	0	20	DH
Sulfate	30.0	12.0						29.58	1.48	20	D

Sample ID: **2212384-002BMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80730**
Client ID: **MW25-20221216**	Batch ID: **38892**		Analysis Date: **12/19/2022**	SeqNo: **1669879**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	13.7	2.00	15.00	0	91.5	80	120				D
Sulfate	98.7	12.0	75.00	29.58	92.2	80	120				D

Sample ID: **2212384-002BMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **12/19/2022**	RunNo: **80730**
Client ID: **MW25-20221216**	Batch ID: **38892**		Analysis Date: **12/19/2022**	SeqNo: **1669880**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	13.9	2.00	15.00	0	92.4	80	120	13.72	1.02	20	D
Sulfate	99.2	12.0	75.00	29.58	92.8	80	120	98.70	0.505	20	D

Work Order: 2212384
CLIENT: Friedman & Bruya
Project: 212294

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **2212384-002BMSD** SampType: **MSD** Units: **mg/L** Prep Date: **12/19/2022** RunNo: **80730**
Client ID: **MW25-20221216** Batch ID: **38892** Analysis Date: **12/19/2022** SeqNo: **1669880**

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

Work Order: 2212384
CLIENT: Friedman & Bruya
Project: 212294

QC SUMMARY REPORT

Total Organic Carbon by SM 5310C

Sample ID: **LCS-80697**	SampType: **LCS**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **LCSW**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669271**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	5.19	0.700	5.000	0	104	90	110				

Sample ID: **2212377-005BDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **BATCH**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669278**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	1.55	0.700						1.526	1.75	20	

Sample ID: **2212377-005BMS**	SampType: **MS**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **BATCH**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669279**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	6.68	0.700	5.000	1.526	103	68.3	120				

Sample ID: **2212377-005BMSD**	SampType: **MSD**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **BATCH**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669280**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	6.65	0.700	5.000	1.526	103	68.3	120	6.675	0.345	30	

Sample ID: **2212348-003DDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **BATCH**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669303**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	0.778	0.700						0.7610	2.21	20	

Work Order: 2212384
CLIENT: Friedman & Bruya
Project: 212294

QC SUMMARY REPORT

Total Organic Carbon by SM 5310C

Sample ID: **2212348-003DMS** SampType: **MS** Units: **mg/L** Prep Date: **12/22/2022** RunNo: **80697**
Client ID: **BATCH** Batch ID: **R80697** Analysis Date: **12/22/2022** SeqNo: **1669304**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	5.95	0.700	5.000	0.7610	104	68.3	120				

Sample ID: **MB-80744** SampType: **MBLK** Units: **mg/L** Prep Date: **12/27/2022** RunNo: **80744**
Client ID: **MBLKW** Batch ID: **R80744** Analysis Date: **12/27/2022** SeqNo: **1670116**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	ND	0.700									

Sample ID: **LCS-80744** SampType: **LCS** Units: **mg/L** Prep Date: **12/27/2022** RunNo: **80744**
Client ID: **LCSW** Batch ID: **R80744** Analysis Date: **12/27/2022** SeqNo: **1670117**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	5.13	0.700	5.000	0	103	90	110				

Sample ID: **2212384-002DDUP** SampType: **DUP** Units: **mg/L** Prep Date: **12/27/2022** RunNo: **80744**
Client ID: **MW25-20221216** Batch ID: **R80744** Analysis Date: **12/27/2022** SeqNo: **1670119**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	1.27	0.700						1.156	9.16	20	

Sample ID: **2212384-002DMS** SampType: **MS** Units: **mg/L** Prep Date: **12/27/2022** RunNo: **80744**
Client ID: **MW25-20221216** Batch ID: **R80744** Analysis Date: **12/27/2022** SeqNo: **1670120**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	6.23	0.700	5.000	1.156	101	68.3	120				

Work Order: 2212384
CLIENT: Friedman & Bruya
Project: 212294

QC SUMMARY REPORT

Total Organic Carbon by SM 5310C

Sample ID: **2212384-002DMSD** SampType: **MSD** Units: **mg/L** Prep Date: **12/27/2022** RunNo: **80744**
Client ID: **MW25-20221216** Batch ID: **R80744** Analysis Date: **12/27/2022** SeqNo: **1670121**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	5.88	0.700	5.000	1.156	94.5	68.3	120	6.230	5.73	30	

Work Order: 2212384
CLIENT: Friedman & Bruya
Project: 212294

QC SUMMARY REPORT

Dissolved Gases by RSK-175

Sample ID: **LCS** SampType: **LCS** Units: **ppmv** Prep Date: **12/21/2022** RunNo: **80723**
Client ID: **LCSW** Batch ID: **R80723** Analysis Date: **12/21/2022** SeqNo: **1669752**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	1,060	0.00675	1,000	0	106	68.9	131				
Ethene	1,050	0.0146	1,000	0	105	72	129				
Ethane	1,050	0.0151	1,000	0	105	73.4	128				

Sample ID: **MBLK** SampType: **MBLK** Units: **mg/L** Prep Date: **12/21/2022** RunNo: **80723**
Client ID: **MBLKW** Batch ID: **R80723** Analysis Date: **12/21/2022** SeqNo: **1669737**

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: **2212348-001AREP** SampType: **REP** Units: **mg/L** Prep Date: **12/21/2022** RunNo: **80723**
Client ID: **BATCH** Batch ID: **R80723** Analysis Date: **12/21/2022** SeqNo: **1669713**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.0142	0.00675						0.01394	1.72	30	
Ethene	ND	0.0146						0	0	30	
Ethane	ND	0.0151						0	0	30	

Sample Log-In Check List

Client Name:	**FB**	Work Order Number:	**2212384**
Logged by:	**Elisabeth Samoray**	Date Received:	**12/19/2022 11:16:00 AM**

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:	12/19/2022
By Whom:	Elisabeth Samoray	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Sample 1 missing a H2SO4 poly		
Client Instructions:	Cancel test for this volume		

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	4.4

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

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

2212384

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. 212294

PO # D-69

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	DSK 175	Sulfate	Nitrate	Alkalinity	TOC	Ferrous Iron		Notes
MW19-20221216		12/16/22	0912	water					x	x	x	x	x	x		
MW25-20221216			1050						x	x	x	x	x	x		
IW50-20221216			1104						x	x	x	x	x	x		
MW22-20221216			~~1200~~ 1250						x	x	x	x	x	x		
IW61-20221216			1051234						x	x	x	x	x	x		
MW24-20221216			1423						x	x	x	x	x	x		

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	12/19/22	1000AM
Received by:	Clare O'Connor	Clare O'Connor	FAI	12/19/22	11:16
Relinquished by:					
Received by:					

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

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

2212384

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. 212294

PO # D-69

REMARKS Updated per MEs request - ES 12/19/22

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	DSK 175	Sulfate	Nitrate	Alkalinity	TOC	Ferrous Iron		Notes
MW19-20221216		12/16/22	0912	water					X	X	X	X	~~X~~	X		
MW25-20221216			1050						X	X	X	X	X	X		
IW50-20221216			1104						X	X	X	X	X	X		
MW22-20221216			~~1200~~ 1250						X	X	X	X	X	X		
IW61-20221216			1051234						X	X	X	X	X	X		
MW24-20221216			1423						X	X	X	X	X	X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Michael Erdahl	Friedman & Bruya	12/19/22	1000AM
Received by: Clare O'Connor	Clare O'Connor	FAI	12/19/22	11:16
Relinquished by:				
Received by:				

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
5500 4th Ave S
Seattle, WA 98108

RE: 212264
Work Order Number: 2212348

December 29, 2022

Attention Michael Erdahl:

Fremont Analytical, Inc. received 7 sample(s) on 12/16/2022 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: *12/29/2022*

CLIENT: Friedman & Bruya
Project: 212264
Work Order: 2212348

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2212348-001	MW26-20221214	12/14/2022 11:17 AM	12/16/2022 10:05 AM
2212348-002	MW07-20221214	12/14/2022 3:43 PM	12/16/2022 10:05 AM
2212348-003	MW04-20221214	12/14/2022 4:15 PM	12/16/2022 10:05 AM
2212348-004	MW28-20221215	12/15/2022 10:31 AM	12/16/2022 10:05 AM
2212348-005	IW04-20221215	12/15/2022 1:45 PM	12/16/2022 10:05 AM
2212348-006	MW18-20221215	12/15/2022 3:05 PM	12/16/2022 10:05 AM
2212348-007	MW21-20221215	12/15/2022 3:46 PM	12/16/2022 10:05 AM

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

Case Narrative

WO#: **2212348**
Date: **12/29/2022**

CLIENT: Friedman & Bruya
Project: 212264

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: **2212348**
Date Reported: **12/29/2022**

Client: Friedman & Bruya
Collection Date: 12/14/2022 11:17:00 AM
Project: 212264
Lab ID: 2212348-001
Matrix: Water
Client Sample ID: **MW26-20221214**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	0.0139	0.00675		mg/L	1	12/21/2022 11:43:00 AM
Ethene	ND	0.0146		mg/L	1	12/21/2022 11:43:00 AM
Ethane	ND	0.0151		mg/L	1	12/21/2022 11:43:00 AM
Ion Chromatography by EPA Method 300.0				Batch ID: 38861		Analyst: AT
Nitrate (as N)	0.189	0.100	H	mg/L	1	12/20/2022 12:21:00 AM
Sulfate	30.1	12.0	DB	mg/L	20	12/17/2022 12:12:00 AM
NOTES: B - Indicates a detection in the ICB or CCB.						
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	1.06	0.700		mg/L	1	12/22/2022 12:28:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80754		Analyst: SS
Alkalinity, Total (As CaCO3)	139	2.50		mg/L	1	12/28/2022 10:22:41 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80538		Analyst: SLL
Ferrous Iron	1.42	0.750	DH	mg/L	5	12/16/2022 10:50:00 AM

Analytical Report

Work Order: **2212348**
Date Reported: **12/29/2022**

Client: Friedman & Bruya
Collection Date: 12/14/2022 3:43:00 PM
Project: 212264
Lab ID: 2212348-002
Matrix: Water
Client Sample ID: **MW07-20221214**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	ND	0.00675		mg/L	1	12/21/2022 11:49:00 AM
Ethene	ND	0.0146		mg/L	1	12/21/2022 11:49:00 AM
Ethane	ND	0.0151		mg/L	1	12/21/2022 11:49:00 AM
Ion Chromatography by EPA Method 300.0				Batch ID: 38861		Analyst: AT
Nitrate (as N)	34.2	2.00	DH	mg/L	20	12/17/2022 12:36:00 AM
Sulfate	39.9	12.0	D	mg/L	20	12/17/2022 12:36:00 AM
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	0.756	0.700		mg/L	1	12/22/2022 12:57:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80754		Analyst: SS
Alkalinity, Total (As CaCO3)	32.7	2.50		mg/L	1	12/28/2022 10:22:41 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80538		Analyst: SLL
Ferrous Iron	0.205	0.150	H	mg/L	1	12/16/2022 10:50:00 AM

Analytical Report

Work Order: **2212348**
Date Reported: **12/29/2022**

Client: Friedman & Bruya
Collection Date: 12/14/2022 4:15:00 PM
Project: 212264
Lab ID: 2212348-003
Matrix: Water
Client Sample ID: **MW04-20221214**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	ND	0.00675		mg/L	1	12/21/2022 11:51:00 AM
Ethene	ND	0.0146		mg/L	1	12/21/2022 11:51:00 AM
Ethane	ND	0.0151		mg/L	1	12/21/2022 11:51:00 AM
Ion Chromatography by EPA Method 300.0				Batch ID: 38861		Analyst: AT
Nitrate (as N)	24.4	2.00	DH	mg/L	20	12/17/2022 12:59:00 AM
Sulfate	36.7	12.0	D	mg/L	20	12/17/2022 12:59:00 AM
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	0.761	0.700		mg/L	1	12/22/2022 1:16:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80754		Analyst: SS
Alkalinity, Total (As CaCO3)	211	2.50		mg/L	1	12/28/2022 10:22:41 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80538		Analyst: SLL
Ferrous Iron	0.0682	0.150	JH	mg/L	1	12/16/2022 10:50:00 AM

Analytical Report

Work Order: **2212348**
Date Reported: **12/29/2022**

Client: Friedman & Bruya
Collection Date: 12/15/2022 10:31:00 AM
Project: 212264
Lab ID: 2212348-004
Matrix: Water
Client Sample ID: **MW28-20221215**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	0.131	0.00675		mg/L	1	12/21/2022 11:53:00 AM
Ethene	ND	0.0146		mg/L	1	12/21/2022 11:53:00 AM
Ethane	ND	0.0151		mg/L	1	12/21/2022 11:53:00 AM
Ion Chromatography by EPA Method 300.0				Batch ID: 38861		Analyst: AT
Nitrate (as N)	ND	2.00	D	mg/L	20	12/17/2022 1:22:00 AM
Sulfate	1.59	0.600		mg/L	1	12/20/2022 12:44:00 AM
Total Alkalinity by SM 2320B				Batch ID: R80754		Analyst: SS
Alkalinity, Total (As CaCO3)	248	2.50		mg/L	1	12/28/2022 10:22:41 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80538		Analyst: SLL
Ferrous Iron	0.826	0.150	H	mg/L	1	12/16/2022 10:50:00 AM

Analytical Report

Work Order: **2212348**
Date Reported: **12/29/2022**

Client: Friedman & Bruya
Collection Date: 12/15/2022 1:45:00 PM
Project: 212264
Lab ID: 2212348-005
Matrix: Water
Client Sample ID: **IW04-20221215**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Ion Chromatography by EPA Method 300.0				Batch ID: 38861		Analyst: AT
Nitrate (as N)	ND	2.00	D	mg/L	20	12/17/2022 1:45:00 AM
Sulfate	0.970	3.00	DJ	mg/L	5	12/20/2022 1:07:00 AM
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	30.5	7.00	D	mg/L	10	12/22/2022 2:39:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80754		Analyst: SS
Alkalinity, Total (As CaCO3)	312	2.50		mg/L	1	12/28/2022 10:22:41 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80538		Analyst: SLL
Ferrous Iron	19.3	7.50	D	mg/L	50	12/16/2022 10:50:00 AM

Analytical Report

Work Order: **2212348**
Date Reported: **12/29/2022**

Client: Friedman & Bruya
Collection Date: 12/15/2022 3:05:00 PM
Project: 212264
Lab ID: 2212348-006
Matrix: Water
Client Sample ID: **MW18-20221215**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	6.84	0.338	D	mg/L	50	12/21/2022 12:06:00 PM
Ethene	ND	0.0146		mg/L	1	12/21/2022 11:56:00 AM
Ethane	ND	0.0151		mg/L	1	12/21/2022 11:56:00 AM
Ion Chromatography by EPA Method 300.0				Batch ID: 38861		Analyst: AT
Nitrate (as N)	ND	2.00	D	mg/L	20	12/17/2022 2:08:00 AM
Sulfate	0.259	0.600	J	mg/L	1	12/20/2022 1:31:00 AM
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	6.18	0.700		mg/L	1	12/22/2022 4:04:00 PM
Total Alkalinity by SM 2320B				Batch ID: R80754		Analyst: SS
Alkalinity, Total (As CaCO3)	449	2.50		mg/L	1	12/28/2022 10:22:41 AM
Ferrous Iron by SM3500-Fe B				Batch ID: R80538		Analyst: SLL
Ferrous Iron	1.19	0.750	D	mg/L	5	12/16/2022 10:50:00 AM

Analytical Report

Work Order: **2212348**
Date Reported: **12/29/2022**

Client: Friedman & Bruya
Collection Date: 12/15/2022 3:46:00 PM
Project: 212264
Lab ID: 2212348-007
Matrix: Water
Client Sample ID: **MW21-20221215**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dissolved Gases by RSK-175				Batch ID: R80723		Analyst: LB
Methane	3.23	0.135	D	mg/L	20	12/21/2022 12:04:00 PM
Ethene	ND	0.0146		mg/L	1	12/21/2022 11:58:00 AM
Ethane	ND	0.0151		mg/L	1	12/21/2022 11:58:00 AM
Total Organic Carbon by SM 5310C				Batch ID: R80697		Analyst: AT
Total Organic Carbon	104	2.80	D	mg/L	4	12/22/2022 4:24:00 PM

Work Order: 2212348
CLIENT: Friedman & Bruya
Project: 212264

QC SUMMARY REPORT

Total Alkalinity by SM 2320B

Sample ID: **MB-R80754**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **12/28/2022**	RunNo: **80754**
Client ID: **MBLKW**	Batch ID: **R80754**		Analysis Date: **12/28/2022**	SeqNo: **1670425**

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-R80754**	SampType: **LCS**	Units: **mg/L**	Prep Date: **12/28/2022**	RunNo: **80754**
Client ID: **LCSW**	Batch ID: **R80754**		Analysis Date: **12/28/2022**	SeqNo: **1670426**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	103	2.50	100.0	0	103	81.3	118				

Sample ID: **2212348-001BDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **12/28/2022**	RunNo: **80754**
Client ID: **MW26-20221214**	Batch ID: **R80754**		Analysis Date: **12/28/2022**	SeqNo: **1670428**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	140	2.50						139.4	0.765	20	

Work Order: 2212348
CLIENT: Friedman & Bruya
Project: 212264

QC SUMMARY REPORT

Ferrous Iron by SM3500-Fe B

Sample ID: **MB-R80538** SampType: **MBLK** Units: **mg/L** Prep Date: **12/16/2022** RunNo: **80538**
Client ID: **MBLKW** Batch ID: **R80538** Analysis Date: **12/16/2022** SeqNo: **1665255**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	ND	0.150									

Sample ID: **LCS-R80538** SampType: **LCS** Units: **mg/L** Prep Date: **12/16/2022** RunNo: **80538**
Client ID: **LCSW** Batch ID: **R80538** Analysis Date: **12/16/2022** SeqNo: **1665256**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	0.429	0.150	0.4000	0	107	85	115				

Sample ID: **2212348-003CDUP** SampType: **DUP** Units: **mg/L** Prep Date: **12/16/2022** RunNo: **80538**
Client ID: **MW04-20221214** Batch ID: **R80538** Analysis Date: **12/16/2022** SeqNo: **1665260**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	ND	0.150						0.06824	200	20	H

Sample ID: **2212348-003CMS** SampType: **MS** Units: **mg/L** Prep Date: **12/16/2022** RunNo: **80538**
Client ID: **MW04-20221214** Batch ID: **R80538** Analysis Date: **12/16/2022** SeqNo: **1665261**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	0.508	0.150	0.4000	0.06824	110	70	130				H

Sample ID: **2212348-003CMSD** SampType: **MSD** Units: **mg/L** Prep Date: **12/16/2022** RunNo: **80538**
Client ID: **MW04-20221214** Batch ID: **R80538** Analysis Date: **12/16/2022** SeqNo: **1665262**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ferrous Iron	0.460	0.150	0.4000	0.06824	97.9	70	130	0.5083	9.97	30	H

Work Order: 2212348
CLIENT: Friedman & Bruya
Project: 212264

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **MB-38861**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **12/15/2022**	RunNo: **80630**
Client ID: **MBLKW**	Batch ID: **38861**		Analysis Date: **12/16/2022**	SeqNo: **1667362**

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-38861**	SampType: **LCS**	Units: **mg/L**	Prep Date: **12/15/2022**	RunNo: **80630**
Client ID: **LCSW**	Batch ID: **38861**		Analysis Date: **12/16/2022**	SeqNo: **1667363**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	0.676	0.100	0.7500	0	90.1	90	110				
Sulfate	3.50	0.600	3.750	0	93.3	90	110				

Sample ID: **2212334-002ADUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **12/15/2022**	RunNo: **80630**
Client ID: **BATCH**	Batch ID: **38861**		Analysis Date: **12/16/2022**	SeqNo: **1667366**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	111	5.00						112.6	1.25	20	D
Sulfate	204	30.0						210.0	2.85	20	D

Sample ID: **2212334-002AMS**	SampType: **MS**	Units: **mg/L**	Prep Date: **12/15/2022**	RunNo: **80630**
Client ID: **BATCH**	Batch ID: **38861**		Analysis Date: **12/16/2022**	SeqNo: **1667367**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	143	5.00	37.50	112.6	82.4	80	120				DE
Sulfate	382	30.0	187.5	210.0	91.5	80	120				D

Sample ID: **2212334-002AMSD**	SampType: **MSD**	Units: **mg/L**	Prep Date: **12/15/2022**	RunNo: **80630**
Client ID: **BATCH**	Batch ID: **38861**		Analysis Date: **12/16/2022**	SeqNo: **1667368**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	144	5.00	37.50	112.6	82.7	80	120	143.5	0.0697	20	DE
Sulfate	382	30.0	187.5	210.0	91.5	80	120	381.7	0.0131	20	D

Work Order: 2212348
CLIENT: Friedman & Bruya
Project: 212264

QC SUMMARY REPORT

Ion Chromatography by EPA Method 300.0

Sample ID: **2212334-002AMSD** SampType: **MSD** Units: **mg/L** Prep Date: **12/15/2022** RunNo: **80630**
Client ID: **BATCH** Batch ID: **38861** Analysis Date: **12/16/2022** SeqNo: **1667368**

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

Sample ID: **2212349-003DDUP** SampType: **DUP** Units: **mg/L** Prep Date: **12/16/2022** RunNo: **80630**
Client ID: **BATCH** Batch ID: **38861** Analysis Date: **12/16/2022** SeqNo: **1667370**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	ND	1.00						0	0	20	D
Sulfate	3.94	6.00						3.980	1.01	20	DJ

Sample ID: **2212349-003DMS** SampType: **MS** Units: **mg/L** Prep Date: **12/16/2022** RunNo: **80630**
Client ID: **BATCH** Batch ID: **38861** Analysis Date: **12/16/2022** SeqNo: **1667371**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrate (as N)	6.98	1.00	7.500	0	93.1	80	120				D
Sulfate	38.4	6.00	37.50	3.980	91.7	80	120				D

Work Order: 2212348
CLIENT: Friedman & Bruya
Project: 212264

QC SUMMARY REPORT

Total Organic Carbon by SM 5310C

Sample ID: **LCS-80697**	SampType: **LCS**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **LCSW**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669271**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	5.19	0.700	5.000	0	104	90	110				

Sample ID: **2212377-005BDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **BATCH**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669278**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	1.55	0.700						1.526	1.75	20	

Sample ID: **2212377-005BMS**	SampType: **MS**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **BATCH**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669279**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	6.68	0.700	5.000	1.526	103	68.3	120				

Sample ID: **2212377-005BMSD**	SampType: **MSD**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **BATCH**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669280**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	6.65	0.700	5.000	1.526	103	68.3	120	6.675	0.345	30	

Sample ID: **2212348-003DDUP**	SampType: **DUP**			Units: **mg/L**		Prep Date: **12/22/2022**		RunNo: **80697**		
Client ID: **MW04-20221214**	Batch ID: **R80697**					Analysis Date: **12/22/2022**		SeqNo: **1669303**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	0.778	0.700						0.7610	2.21	20	

Work Order: 2212348
CLIENT: Friedman & Bruya
Project: 212264

QC SUMMARY REPORT

Total Organic Carbon by SM 5310C

Sample ID: **2212348-003DMS** SampType: **MS** Units: **mg/L** Prep Date: **12/22/2022** RunNo: **80697**
Client ID: **MW04-20221214** Batch ID: **R80697** Analysis Date: **12/22/2022** SeqNo: **1669304**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	5.95	0.700	5.000	0.7610	104	68.3	120				

Work Order: 2212348
CLIENT: Friedman & Bruya
Project: 212264

QC SUMMARY REPORT

Dissolved Gases by RSK-175

Sample ID: **LCS** SampType: **LCS** Units: **ppmv** Prep Date: **12/21/2022** RunNo: **80723**
Client ID: **LCSW** Batch ID: **R80723** Analysis Date: **12/21/2022** SeqNo: **1669752**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	1,060	0.00675	1,000	0	106	68.9	131				
Ethene	1,050	0.0146	1,000	0	105	72	129				
Ethane	1,050	0.0151	1,000	0	105	73.4	128				

Sample ID: **MBLK** SampType: **MBLK** Units: **mg/L** Prep Date: **12/21/2022** RunNo: **80723**
Client ID: **MBLKW** Batch ID: **R80723** Analysis Date: **12/21/2022** SeqNo: **1669737**

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: **2212348-001AREP** SampType: **REP** Units: **mg/L** Prep Date: **12/21/2022** RunNo: **80723**
Client ID: **MW26-20221214** Batch ID: **R80723** Analysis Date: **12/21/2022** SeqNo: **1669713**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methane	0.0142	0.00675						0.01394	1.72	30	
Ethene	ND	0.0146						0	0	30	
Ethane	ND	0.0151						0	0	30	

Sample Log-In Check List

Client Name:	FB	Work Order Number:	2212348
Logged by:	Elisabeth Samoray	Date Received:	12/16/2022 10:05:00 AM

Chain of Custody

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

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 1	5.4

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

SUBCONTRACT SAMPLE CHAIN OF CUSTODY

2212348

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 #
212264	D-68

REMARKS

Please Email Results

TURNAROUND TIME

X 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	RSK	Sulfate, Nitrate, Alkalinity	Fe2+ Ferrous Iron	TOC				Notes
MW26-20221214		12/14/22	1117	water					X	X	X	X				
MW07-20221214			1543						X	X	X	X				
MW04-20221214			1615						X	X	X	X				
MW28-20221215		12/15/22	1031						X	X	X					
IW04-20221215			1345							X	X	X				
MW18-20221215			1505						X	X	X	X				
MW21-20221215			1546						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:		Michael Erdahl	Friedman & Bruya	12/16/22	0745 AM
Received by:		Katherine Porter	FAI	12/16/22	10:05
Relinquished by:					
Received by:					

SiREM
Leading Science · Lasting Solutions

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

Analytical Results

SiREM File Reference: S-9578

Client: Sound Earth Strategies
Client Project Number: 0731-004
Date Samples Received: December 20, 2022
Date Samples Analyzed: December 30, 2022

Client Sample ID	SiREM Reference ID	Client Sample Date	Sample Dilution Factor	Lactate	Acetate	Propionate	Formate	Butyrate	Pryuvate
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW21-20221215	22-12663	15-Dec-22	50	<0.39	161	6.1	<0.22	14	4.1
IW04-20221215	22-12664	15-Dec-22	50	<0.39	7.2	<0.31	<0.22	<0.41	<0.69
MW18-20221215	22-12665	15-Dec-22	50	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69
MW25-20221216	22-12666	16-Dec-22	50	<0.39	6.5	<0.31	<0.22	<0.41	<0.69
IW50-20221216	22-12667	16-Dec-22	50	<0.39	7.4	<0.31	<0.22	<0.41	<0.69
IW61-20221216	22-12668	16-Dec-22	50	<0.39	12	<0.31	<0.22	<0.41	<0.69
MW22-20221216	22-12669	16-Dec-22	50	<0.39	191	1.5	<0.22	20	2.5
MW24-20221216	22-12670	16-Dec-22	50	<0.39	9.4	<0.31	<0.22	<0.41	<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:

Kela Ashworth, B.Sc.
Senior Laboratory Technician

Date: 3-Jan-23

SiREM

Chain-of-Custody Form

siremlab.com

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

Lab # S-9578

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

Analysis

Preservative: 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	Volatile Fatty Acids	Other Information
MW21-20221215		12/15/22	1546	H2O	2	X	
IW04-20221215			1345			X	
MW18-20221215			1505			X	
MW25-20221216		12/16/22	1050			X	
IW50-20221216			1104			X	
IW61-20221216			1234			X	
MW22-20221216			1250			X	
MW24-20221216			1423			X	

Sample Receipt
Cooler Condition: Intact
Cooler Temperature: 6.4 +0.0=6.4
Custody Seals: Yes ☐ No ☒

Invoice Information
P.O. # 0731-004-08
Bill To: Sound Earth Strategies

For Lab Use Only
Not associated with any Bottle Order.

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature: Kyra Williams	Signature	Signature	Signature	Signature
Printed Name: Linnea Coleman	Printed Name: Kyra Williams	Printed Name	Printed Name	Printed Name	Printed Name
Firm: SoundEarth	Firm: SiREM	Firm	Firm	Firm	Firm
Date/Time: 12/19/22 0900	Date/Time: 122022 1000	Date/Time	Date/Time	Date/Time	Date/Time

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

SiREM

Canadian Shipping Address:
130 Stone Road West
Guelph, Ontario N1G 3Z2
PH: 1-519-822-2265
Toll Free PH: 1-866-251-1747
www.siremlab.com

U.S. Shipping Address:
180B Market Place Blvd
Knoxville, TN 37922
PH: 1-865-330-0037
Toll Free PH: 1-866-251-1747

Chain of Custody (COC) Record

Lab # S-9578

Project Name: Troy Laundry Property	Project # (Optional): 0731-004
Project Manager: Levi Fernandes	Proposal #
Company: Sound Earth Strategies	Email Address: LFernandes@soundearthinc.com
Address (Street): 2811 Fairview Avenue, Ease Suite 2000	
City	State/Province / Country
Phone #: 206-306-1900	
Sampler's Signature	Sampler's Printed Name

Client Sample ID	Sampling Date	Sampling Time	Matrix	Number of Containers	Sample Preservative	Analysis: Volatile Fatty Acids	Other Information (Optional)	Sample ID
MW21-20221215	12/20/22		GW	2		X		
IW04-20221215	12/20/22		GW	2		X		
MW18-20221215	12/20/22		GW	2		X		
MW25-20221216	12/20/22		GW	2		X		
IW50-20221216	12/20/22		GW	2		X		
IW61-20221216	12/20/22		GW	2		X		
MW22-20221216	12/20/22		GW	2		X		
MW24-20221216	12/20/22		GW	2		X		

_____ of _____ COCs

For Lab Use Only
SiREM Database Info
Recorded By: _____
Date: _____

Billing Information (Optional)
P.O. #: 0731-004-08
Bill To: Sound Earth Strategies

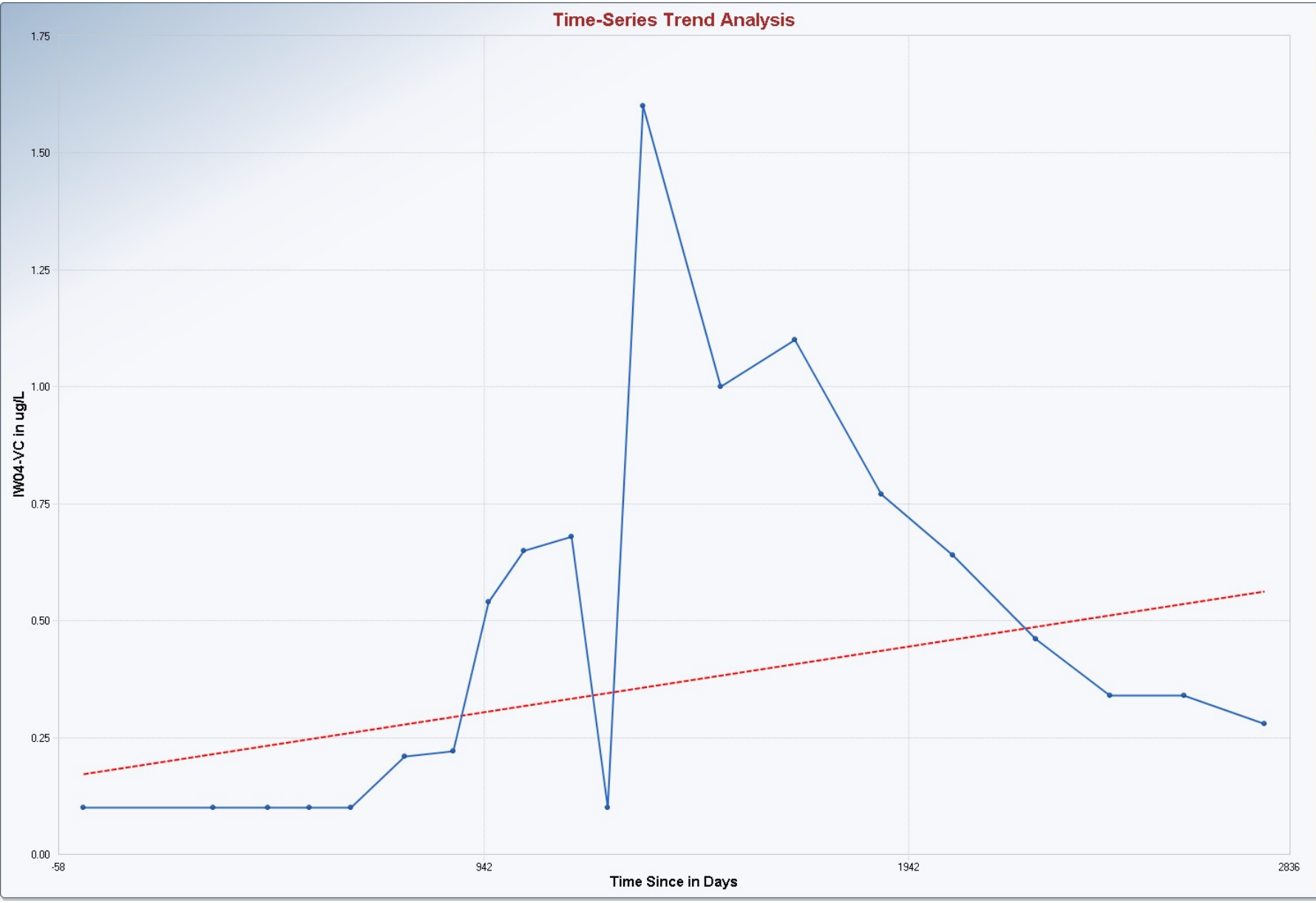
For Lab Use Only
Observed Cooler Temperature (°C): 6.7
Corrected Cooler Temperature (°C): N/A
Thermometer ID: 0078
Cooler Number (if applicable): _____
Custody Seals Intact: ☐ Yes ☐ No ☐ Not Applicable
Custody Seal Number (if applicable): _____

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: Sydne Spinella	Signature: Jentaday	Signature:	Signature:	Signature:	Signature:
Printed Name: Sydne Spinella	Printed Name: JENNACA CUNDAPAY	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: SiREM	Firm: SiREM	Firm:	Firm:	Firm:	Firm:
Date/Time: 12-20-22 1630	Date/Time: 22-DEC-22 @ 09 20	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Please note: The SiREM Knoxville location does not have a loading dock and cannot accept shipments from trucks without a lift gate.

ATTACHMENT B
PLUME STABILITY ANALYSIS RESULTS

Injection Well IW04



Time-Series Trend Analysis

# Events/Time Periods	20

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0001
Theil-Sen Intercept	0.1727

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	73.1605
M2	116.8395
LCL of Slope	0.0001
UCL of Slope	0.0004

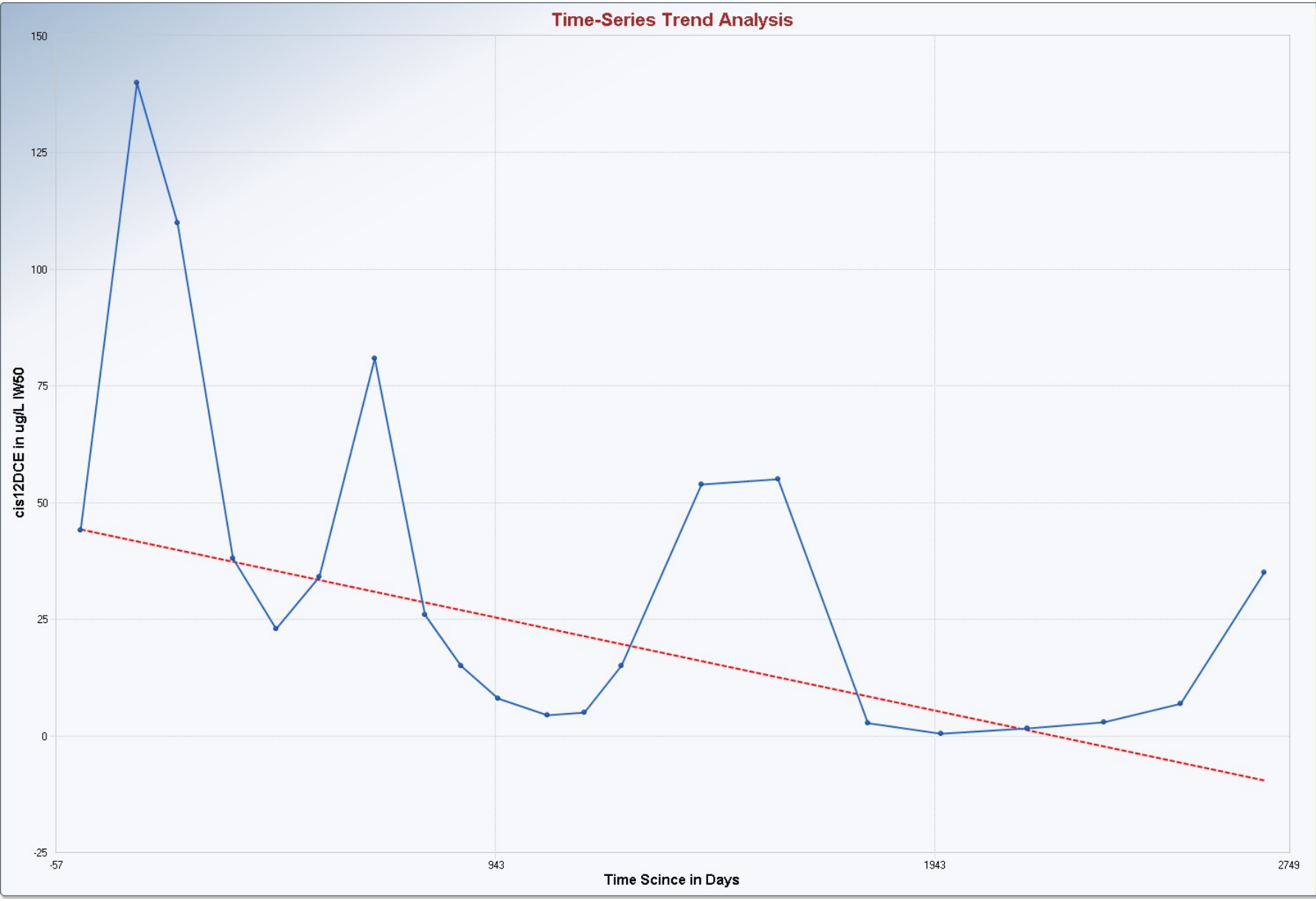
Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	30.3425
M-K Test Value (S)	68
Tabulated p-value	0.0140

Significant evidence of an increasing trend

Injection Well IW50



Time-Series Trend Analysis

# Events/Time Periods	21

Theil-Sen Trend Line (Red)

Theil-Sen Slope	-0.0200
Theil-Sen Intercept	44.2226

Theil-Sen Trend Analysis

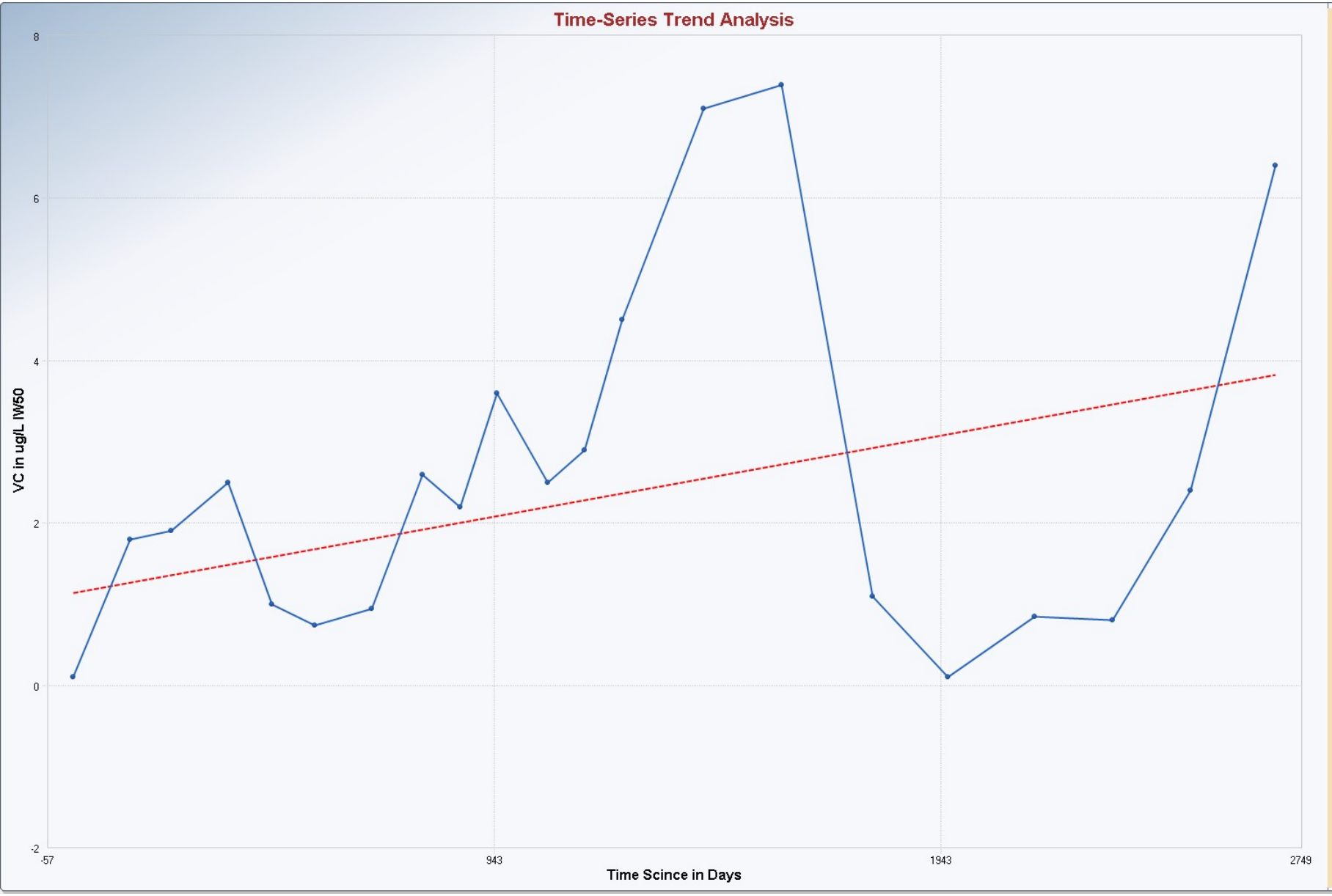
Level of Significance	0.1500
M1	81.1751
M2	128.8249
LCL of Slope	-0.0311
UCL of Slope	-0.0113

Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	33.1009
M-K Test Value (S)	-97
Tabulated p-value	0.0020

Significant evidence of a decreasing trend



Time-Series Trend Analysis

# Events/Time Periods	21

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0010
Theil-Sen Intercept	1.1391

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	81.1860
M2	128.8140
LCL of Slope	0.0000
UCL of Slope	0.0023

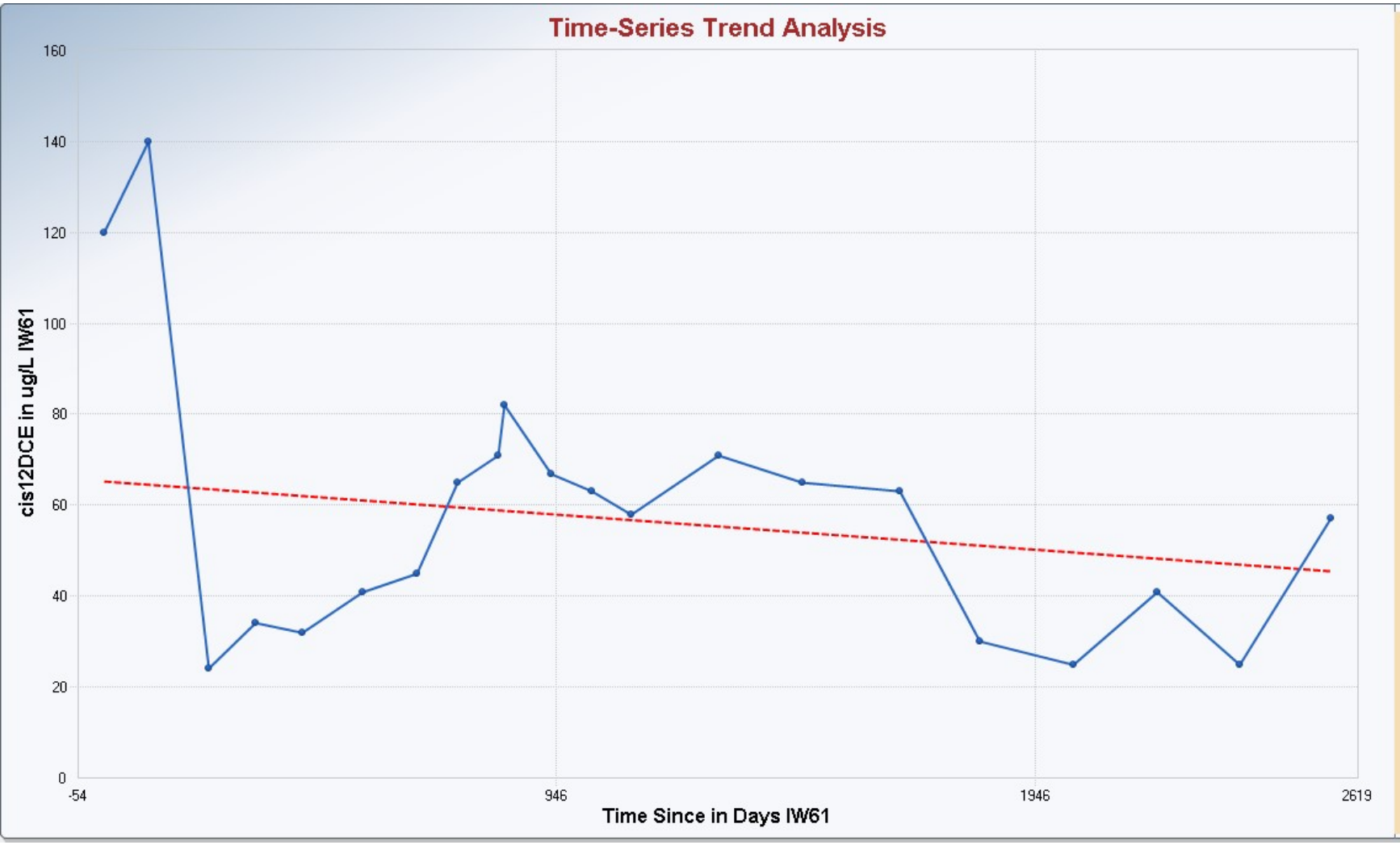
Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	33.0857
M-K Test Value (S)	46
Tabulated p-value	0.0880

Significant evidence of an increasing trend

Injection Well IW61



Time-Series Trend Analysis

# Events/Time Periods	21

Theil-Sen Trend Line (Red)

Theil-Sen Slope	-0.0076
Theil-Sen Intercept	65.1418

Theil-Sen Trend Analysis

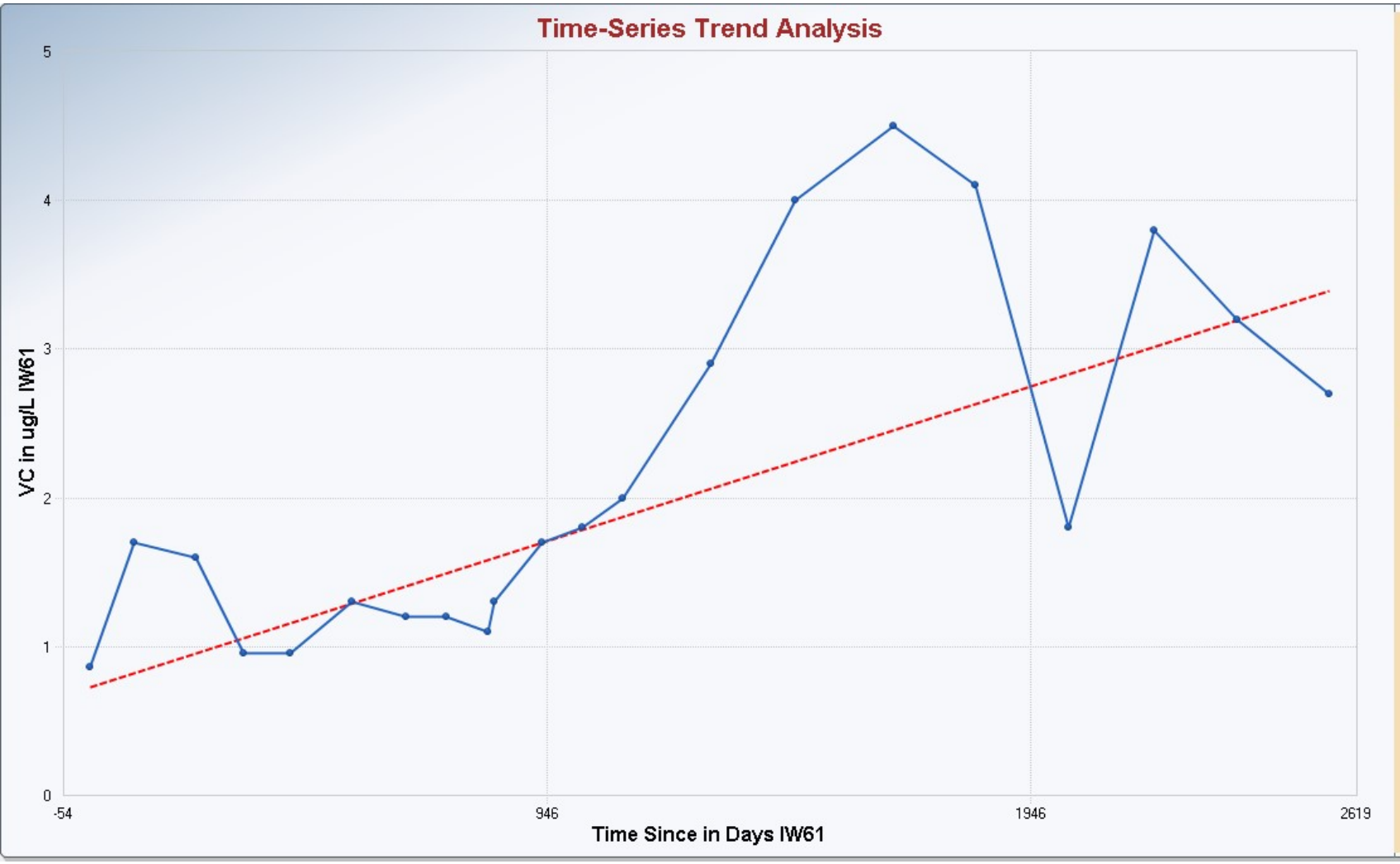
Level of Significance	0.1500
M1	81.2187
M2	128.7813
LCL of Slope	-0.0245
UCL of Slope	0.0005

Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	33.0404
M-K Test Value (S)	-39
Tabulated p-value	0.1340

Significant evidence of a decreasing trend



Time-Series Trend Analysis

# Events/Time Periods	21

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0010
Theil-Sen Intercept	0.7284

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	81.2187
M2	128.7813
LCL of Slope	0.0007
UCL of Slope	0.0015

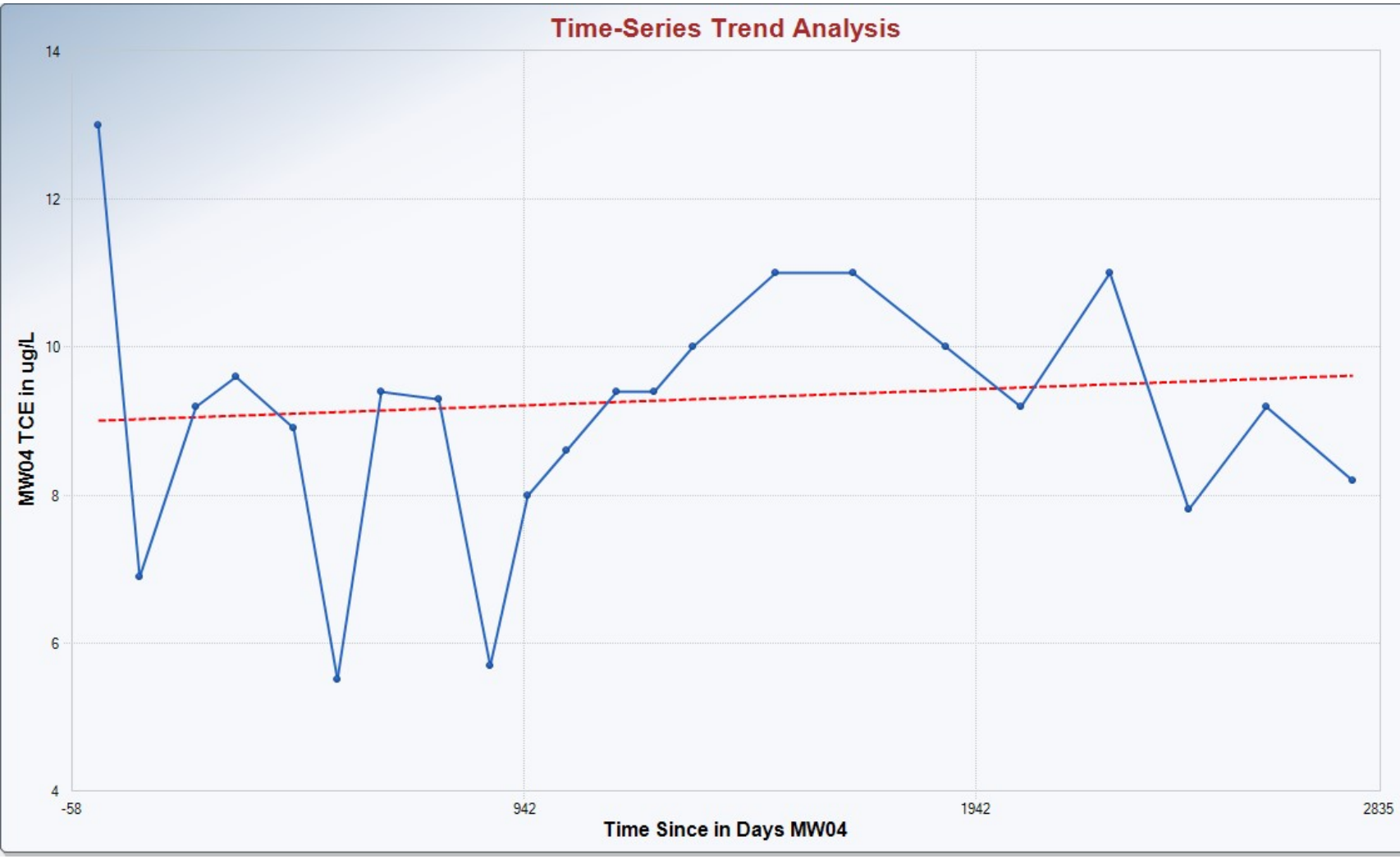
Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	33.0404
M-K Test Value (S)	127
Tabulated p-value	0.0000

Significant evidence of an increasing trend

Monitoring Well MW04



Time-Series Trend Analysis

# Events/Time Periods	22

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0002
Theil-Sen Intercept	9.0159

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	90.0966
M2	140.9034
LCL of Slope	-0.0002
UCL of Slope	0.0010

Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	35.2940
M-K Test Value (S)	23
Tabulated p-value	0.2700

Insufficient evidence of a significant trend

Monitoring Well MW07

Time-Series Trend Analysis

# Events/Time Periods	23

Theil-Sen Trend Line (Red)

Theil-Sen Slope	-0.0025
Theil-Sen Intercept	17.2464

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	99.3294
M2	153.6706
LCL of Slope	-0.0036
UCL of Slope	-0.0015

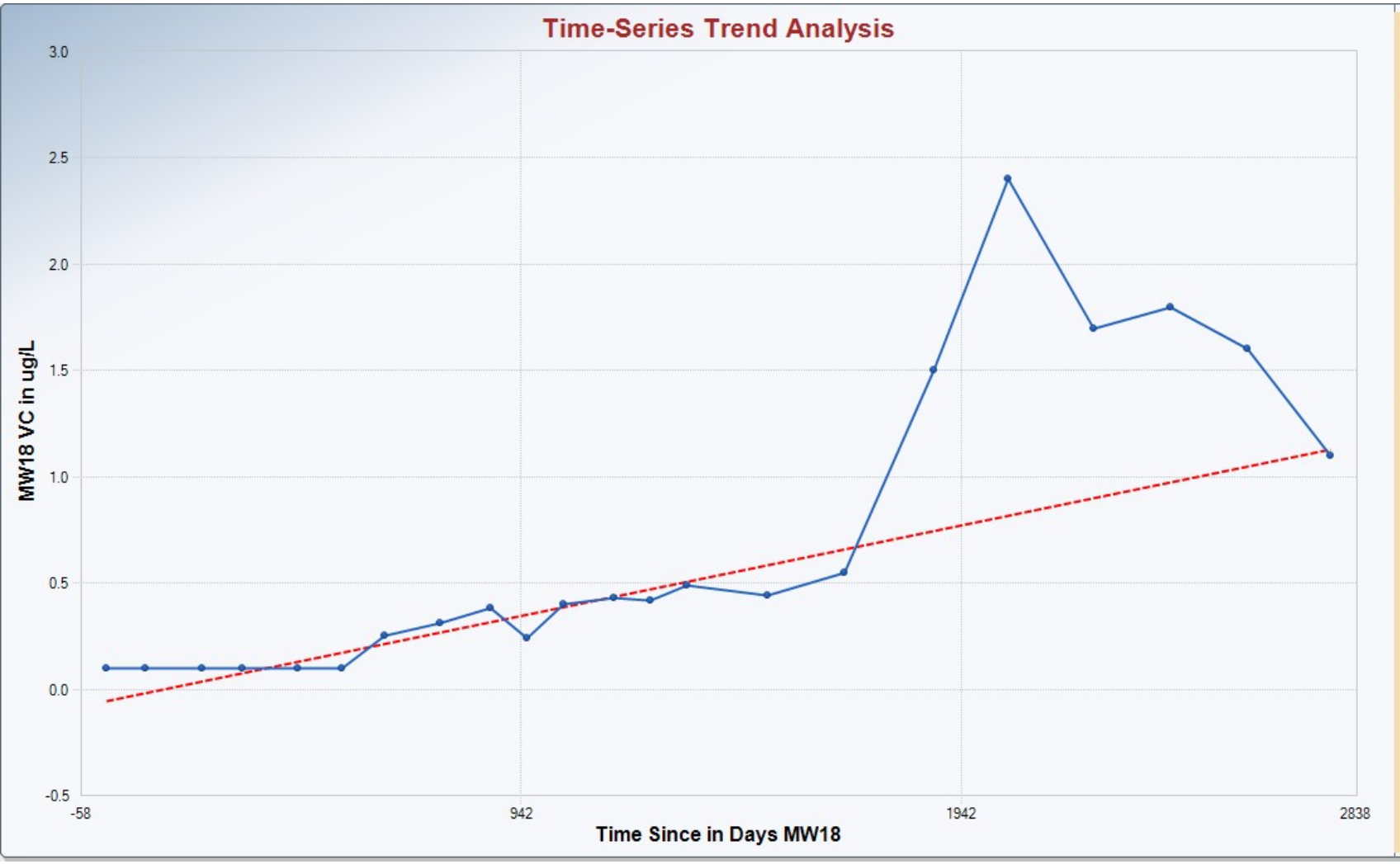
Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	37.7492
M-K Standardized Val (S)	-3.0199
Appx. Critical Value (0.15)	-1.0364
Approximate p-value (S)	0.0013

Significant evidence
of a decreasing trend

Monitoring Well MW18



Time-Series Trend Analysis

# Events/Time Periods	22

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0004
Theil-Sen Intercept	-0.0581

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	90.2637
M2	140.7363
LCL of Slope	0.0004
UCL of Slope	0.0006

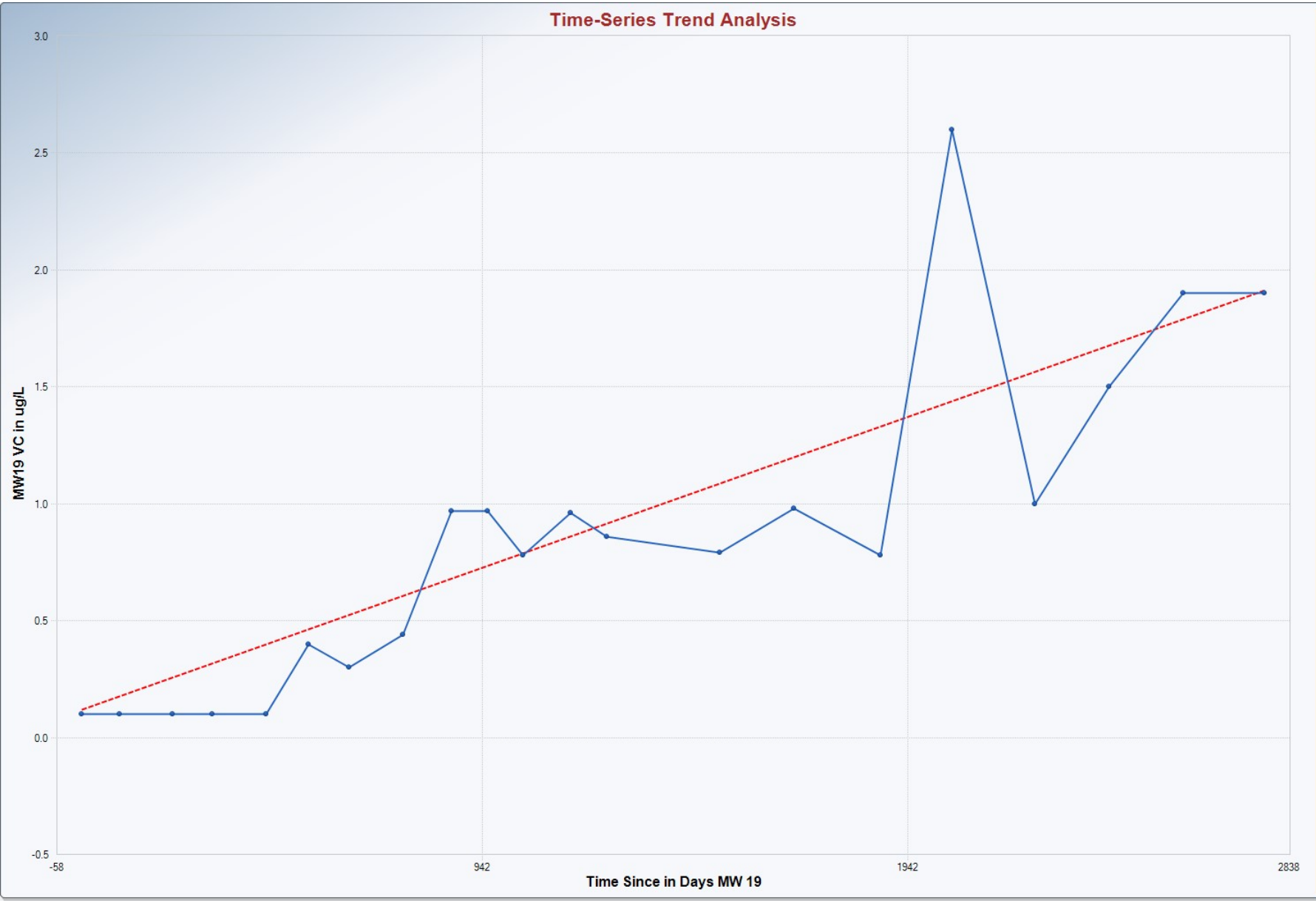
Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	35.0619
M-K Test Value (S)	186
Tabulated p-value	0.0000

Significant evidence of an increasing trend

Monitoring Well MW19



Time-Series Trend Analysis

# Events/Time Periods	21

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0006
Theil-Sen Intercept	0.1207

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	81.3790
M2	128.6210
LCL of Slope	0.0005
UCL of Slope	0.0007

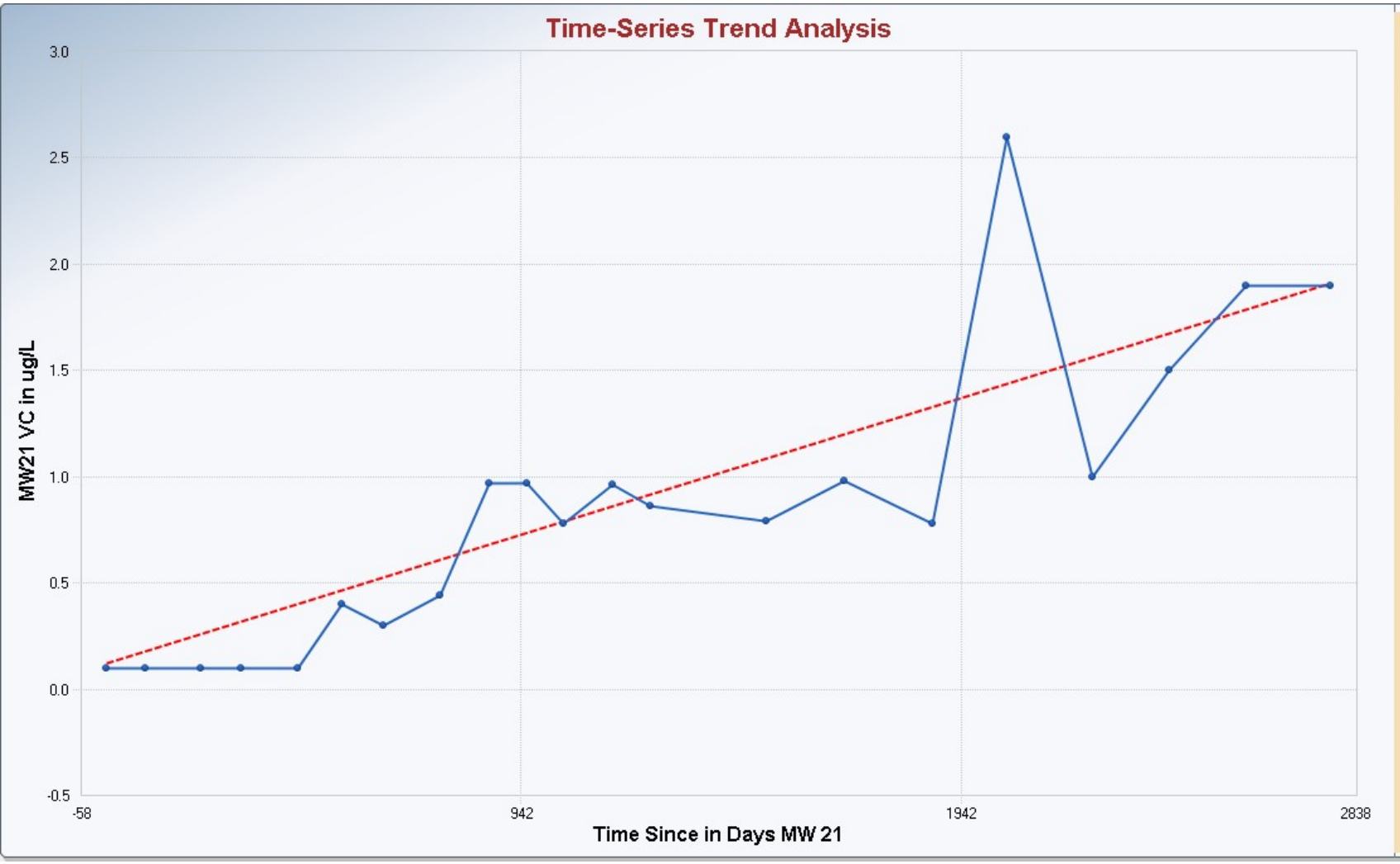
Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	32.8177
M-K Test Value (S)	153
Tabulated p-value	0.0000

Significant evidence of an increasing trend

Monitoring Well MW21



Time-Series Trend Analysis

# Events/Time Periods	21

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0006
Theil-Sen Intercept	0.1207

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	81.3790
M2	128.6210
LCL of Slope	0.0005
UCL of Slope	0.0007

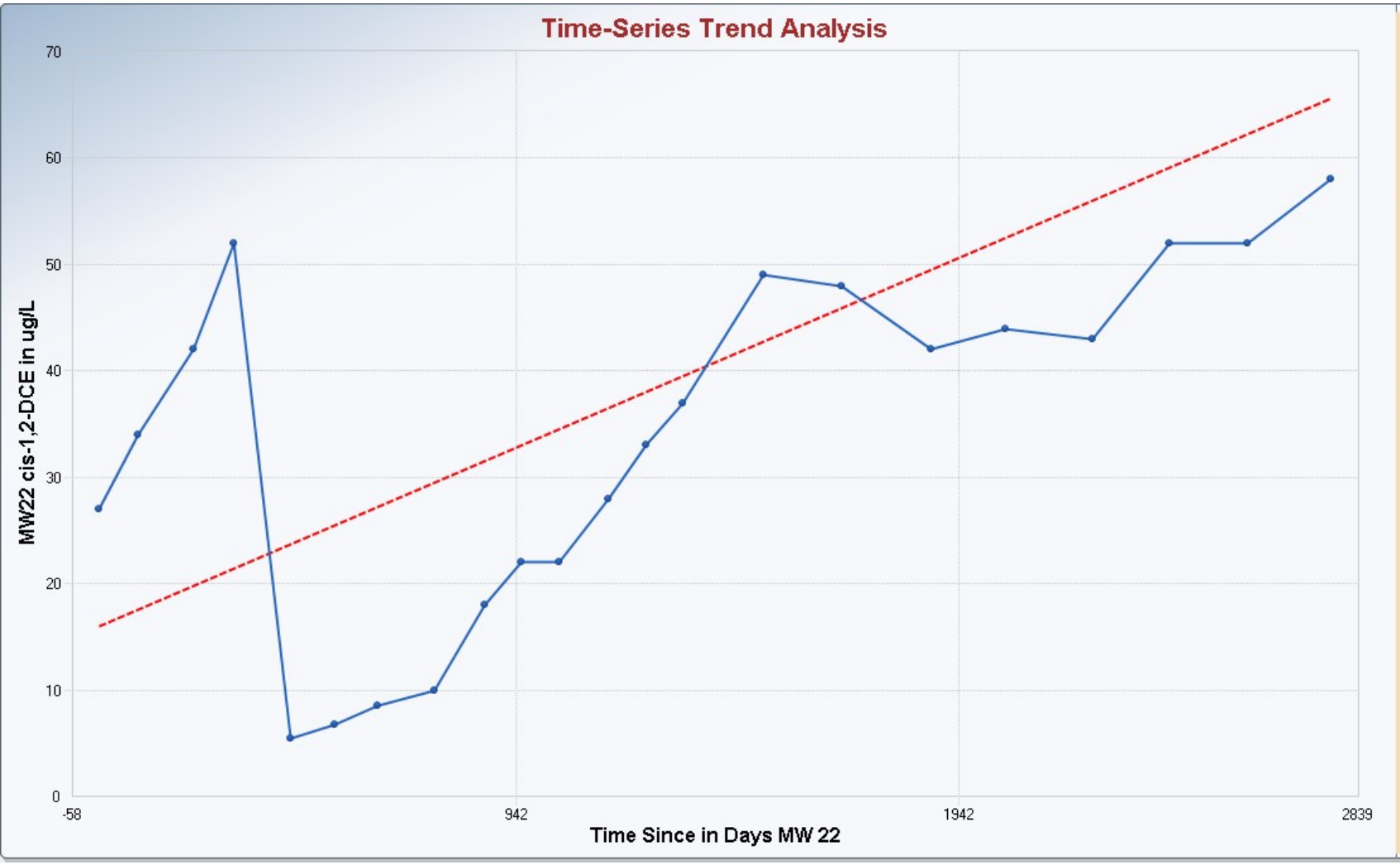
Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	32.8177
M-K Test Value (S)	153
Tabulated p-value	0.0000

Significant evidence of an increasing trend

Monitoring Well MW22



Time-Series Trend Analysis

# Events/Time Periods	22

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0179
Theil-Sen Intercept	15.9464

Theil-Sen Trend Analysis

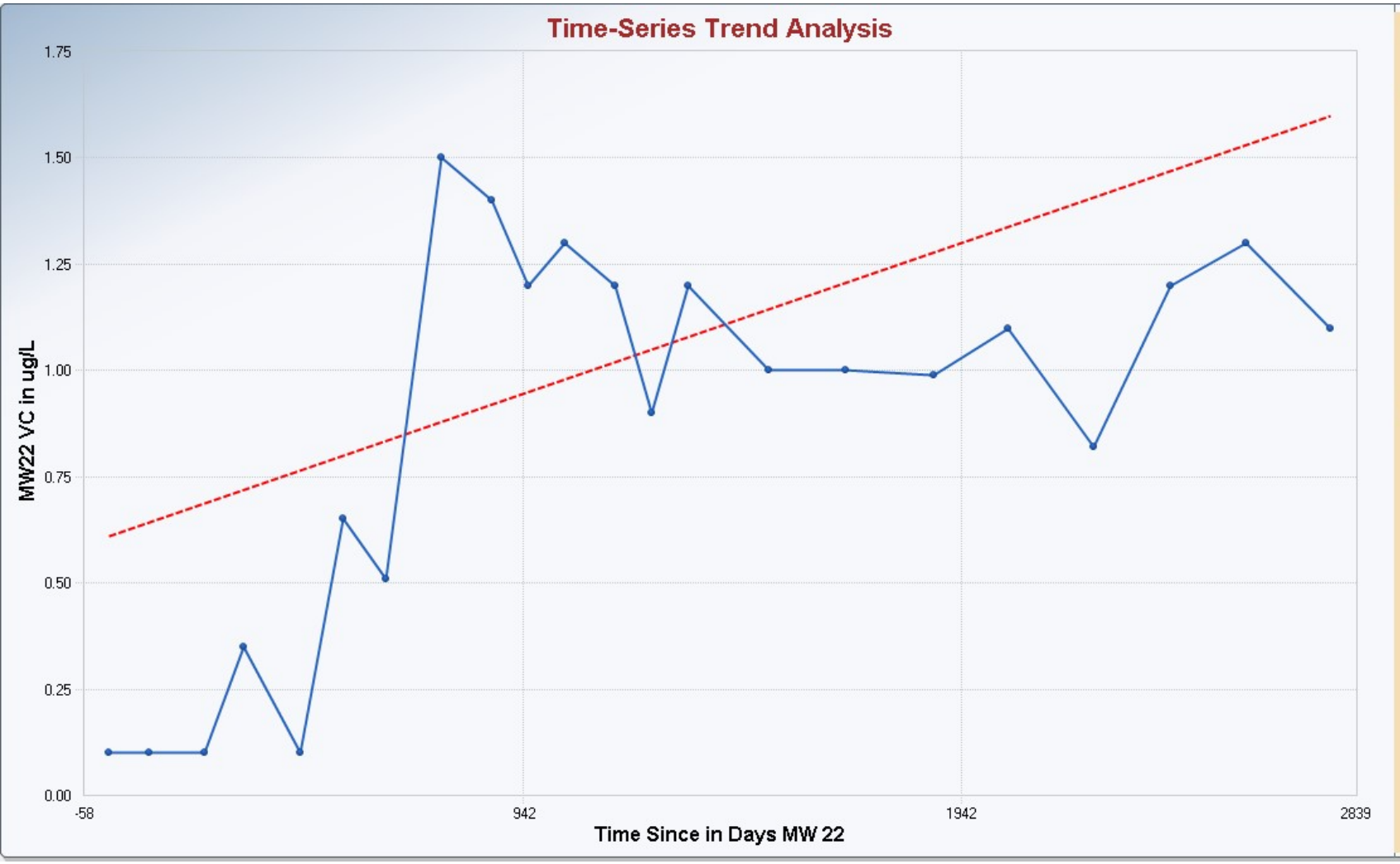
Level of Significance	0.1500
M1	90.0321
M2	140.9679
LCL of Slope	0.0106
UCL of Slope	0.0220

Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	35.3836
M-K Test Value (S)	128
Tabulated p-value	0.0000

Significant evidence of an increasing trend



Time-Series Trend Analysis

# Events/Time Periods	22

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0004
Theil-Sen Intercept	0.6109

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	90.1817
M2	140.8183
LCL of Slope	0.0001
UCL of Slope	0.0005

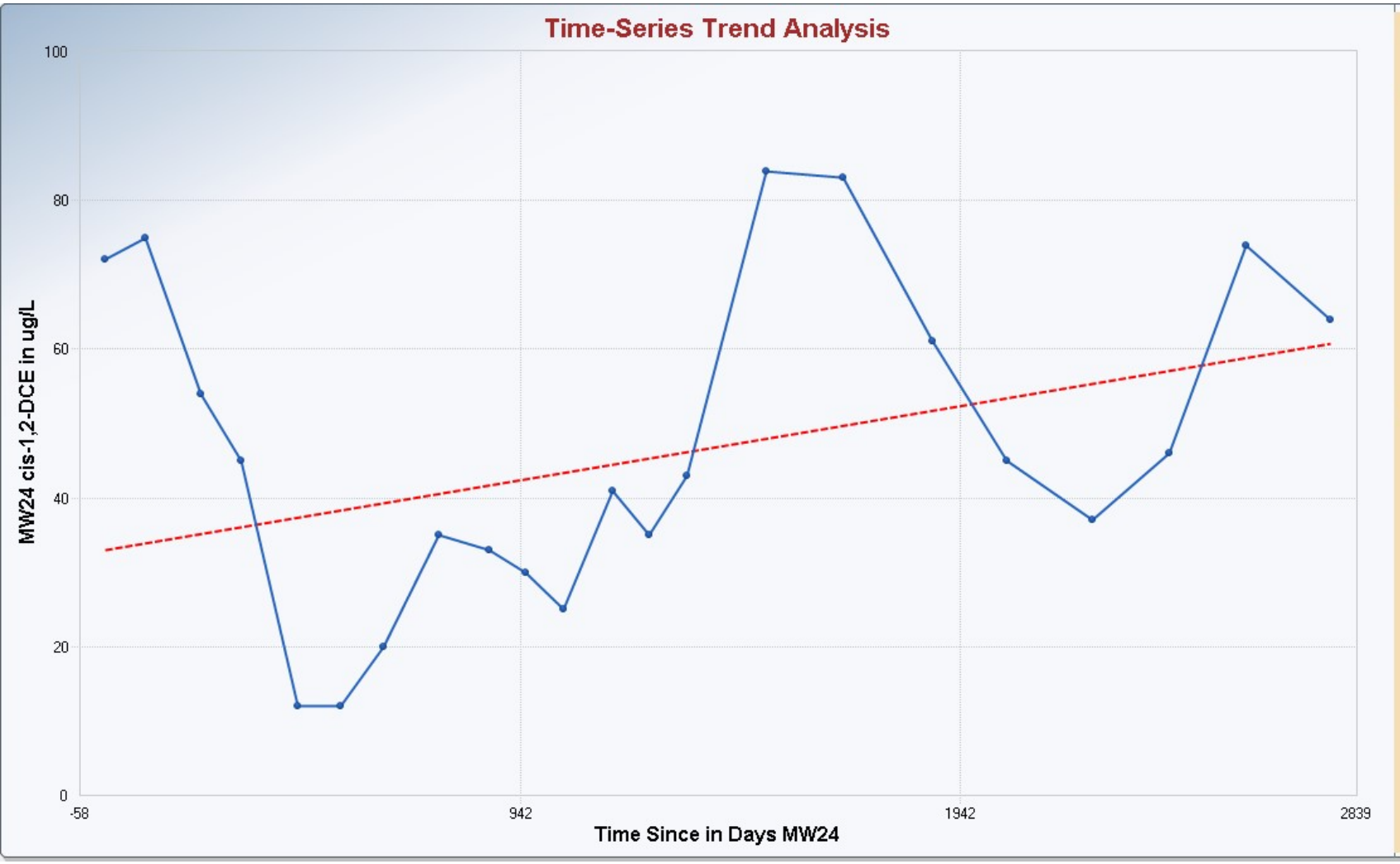
Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	35.1757
M-K Test Value (S)	80
Tabulated p-value	0.0110

Significant evidence of an increasing trend

Monitoring Well MW24



Time-Series Trend Analysis

# Events/Time Periods	22

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0100
Theil-Sen Intercept	33.0773

Theil-Sen Trend Analysis

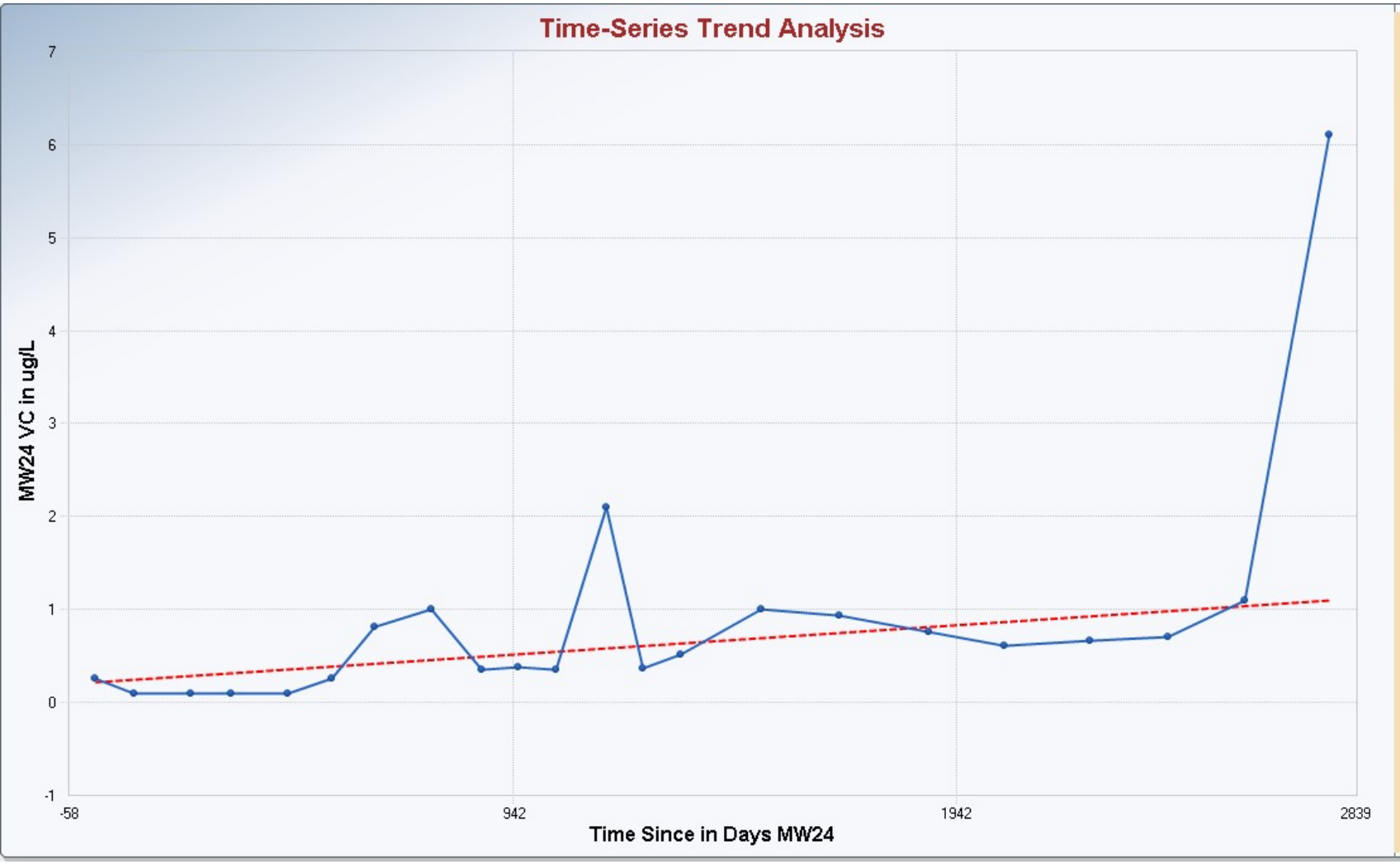
Level of Significance	0.1500
M1	90.0050
M2	140.9950
LCL of Slope	0.0000
UCL of Slope	0.0186

Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	35.4213
M-K Test Value (S)	54
Tabulated p-value	0.0640

Significant evidence of an increasing trend



Time-Series Trend Analysis

# Events/Time Periods	22

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0003
Theil-Sen Intercept	0.2117

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	90.0932
M2	140.9068
LCL of Slope	0.0003
UCL of Slope	0.0004

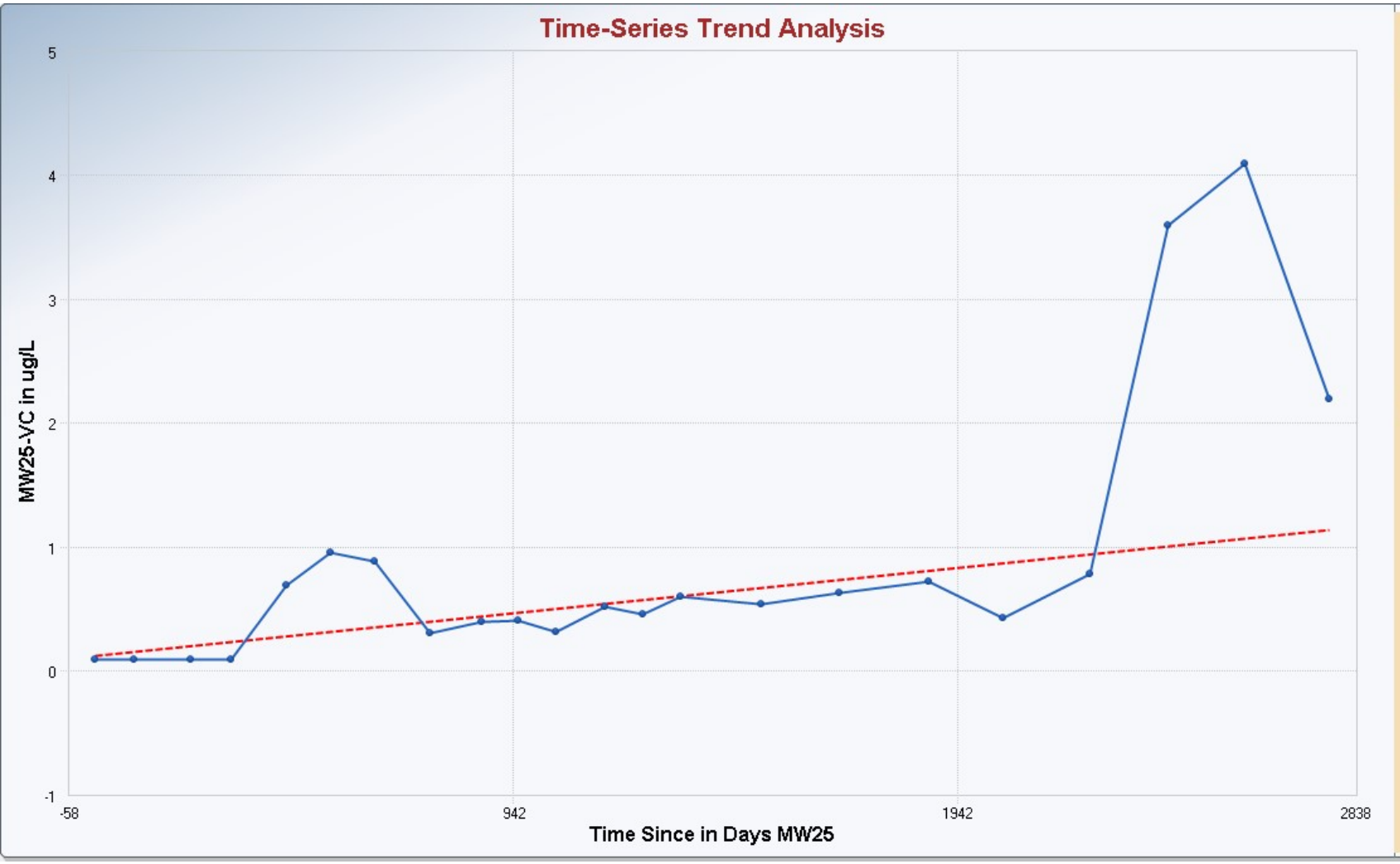
Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	35.2987
M-K Test Value (S)	130
Tabulated p-value	0.0000

Significant evidence of an increasing trend

Monitoring Well MW25



Time-Series Trend Analysis

# Events/Time Periods	22

Theil-Sen Trend Line (Red)

Theil-Sen Slope	0.0004
Theil-Sen Intercept	0.1305

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	90.0626
M2	140.9374
LCL of Slope	0.0003
UCL of Slope	0.0005

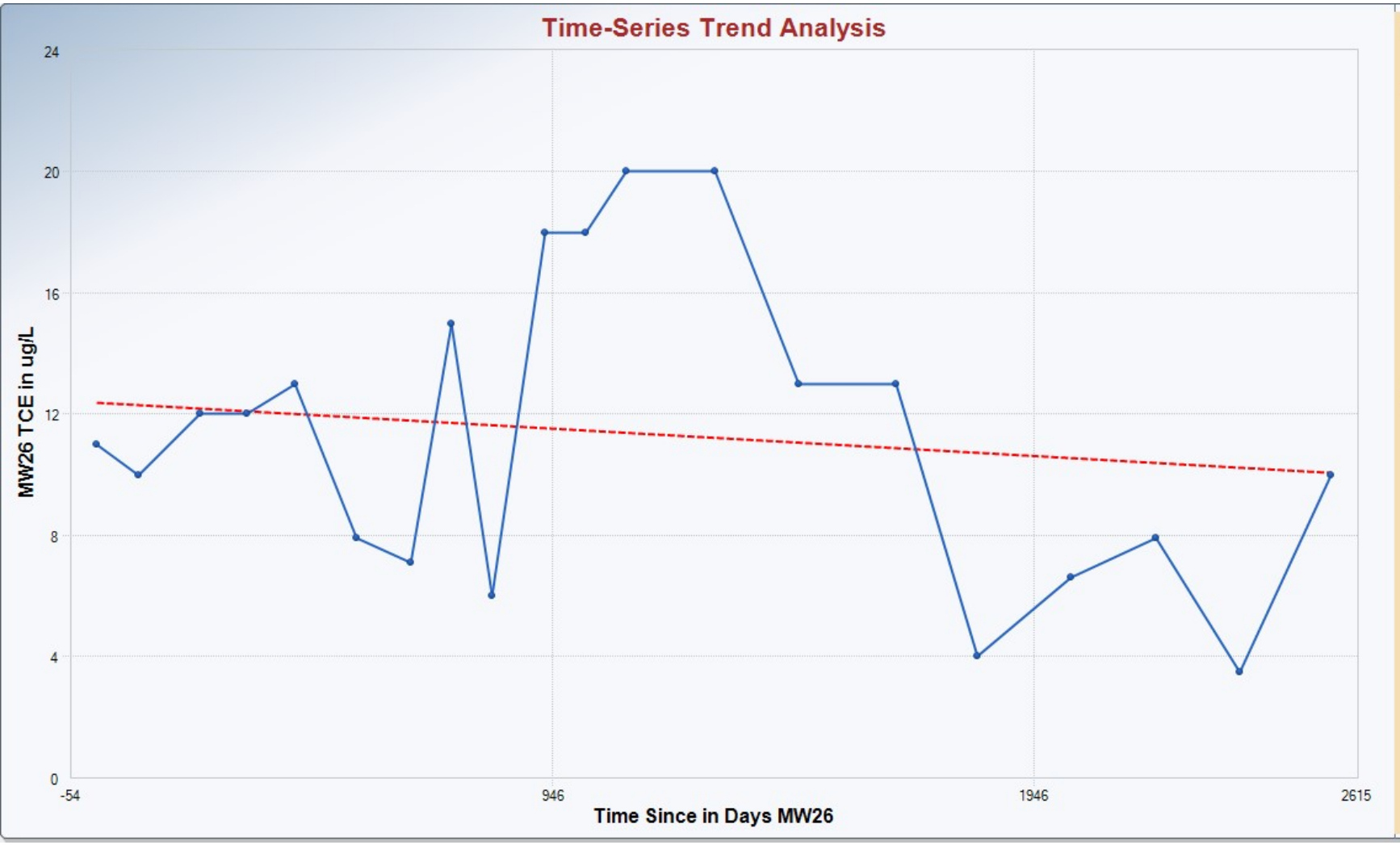
Statistically significant evidence of an increasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	35.3412
M-K Test Value (S)	131
Tabulated p-value	0.0000

Significant evidence of an increasing trend

Monitoring Well MW26



Time-Series Trend Analysis

# Events/Time Periods	20

Theil-Sen Trend Line (Red)

Theil-Sen Slope	-0.0009
Theil-Sen Intercept	12.3800

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	72.9168
M2	117.0832
LCL of Slope	-0.0032
UCL of Slope	0.0014

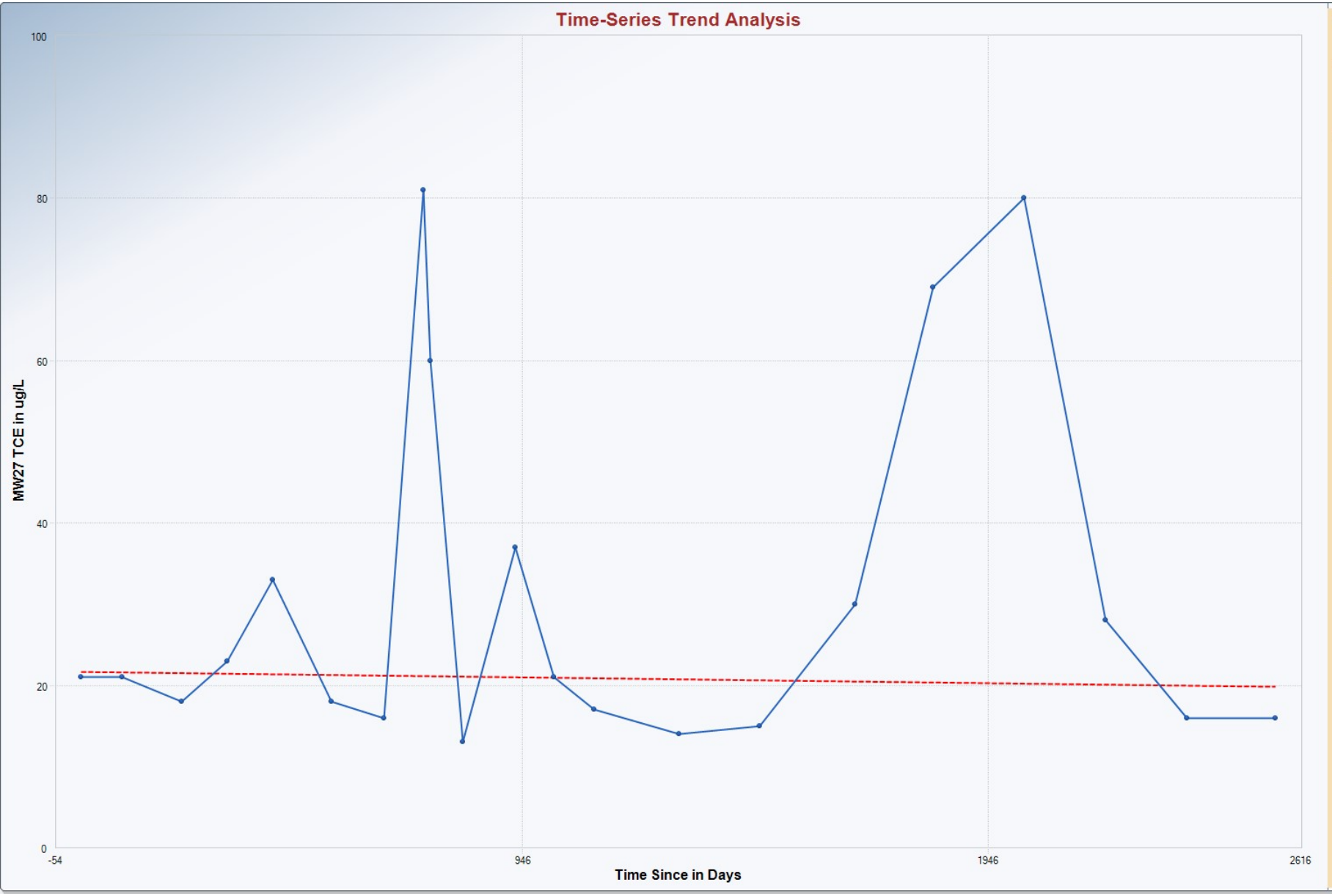
Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	30.6812
M-K Test Value (S)	-18
Tabulated p-value	0.2930

Insufficient evidence of a significant trend

Monitoring Well MW27



Time-Series Trend Analysis

# Events/Time Periods	21

Theil-Sen Trend Line (Red)

Theil-Sen Slope	-0.0007
Theil-Sen Intercept	21.6801

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	81.2550
M2	128.7450
LCL of Slope	-0.0037
UCL of Slope	0.0054

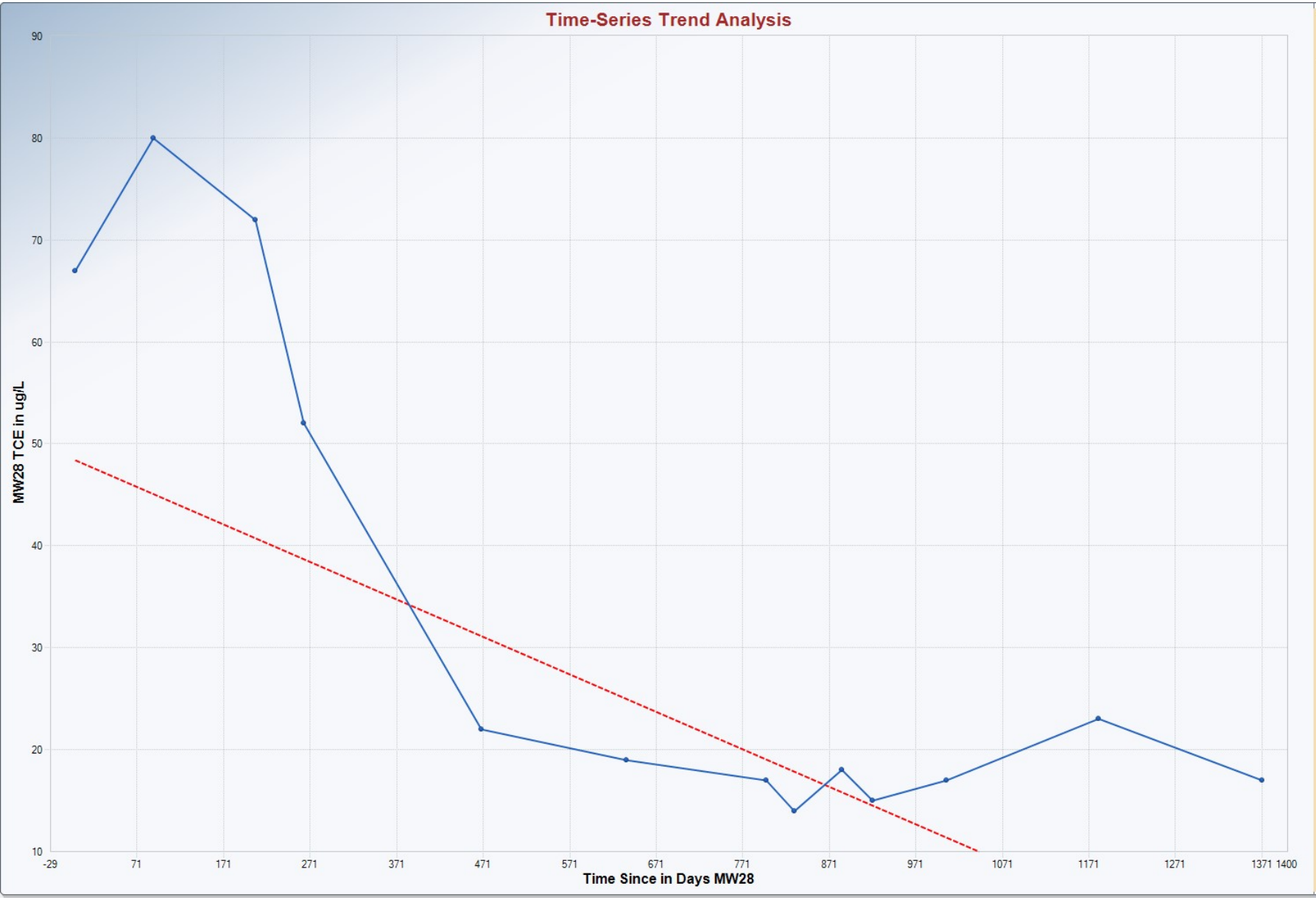
Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	32.9899
M-K Test Value (S)	-9
Tabulated p-value	0.4170

Insufficient evidence of a significant trend

Monitoring Well MW28



Time-Series Trend Analysis

# Events/Time Periods	13

Theil-Sen Trend Line (Red)

Theil-Sen Slope	-0.0368
Theil-Sen Intercept	48.4042

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	27.2831
M2	50.7169
LCL of Slope	-0.0610
UCL of Slope	-0.0129

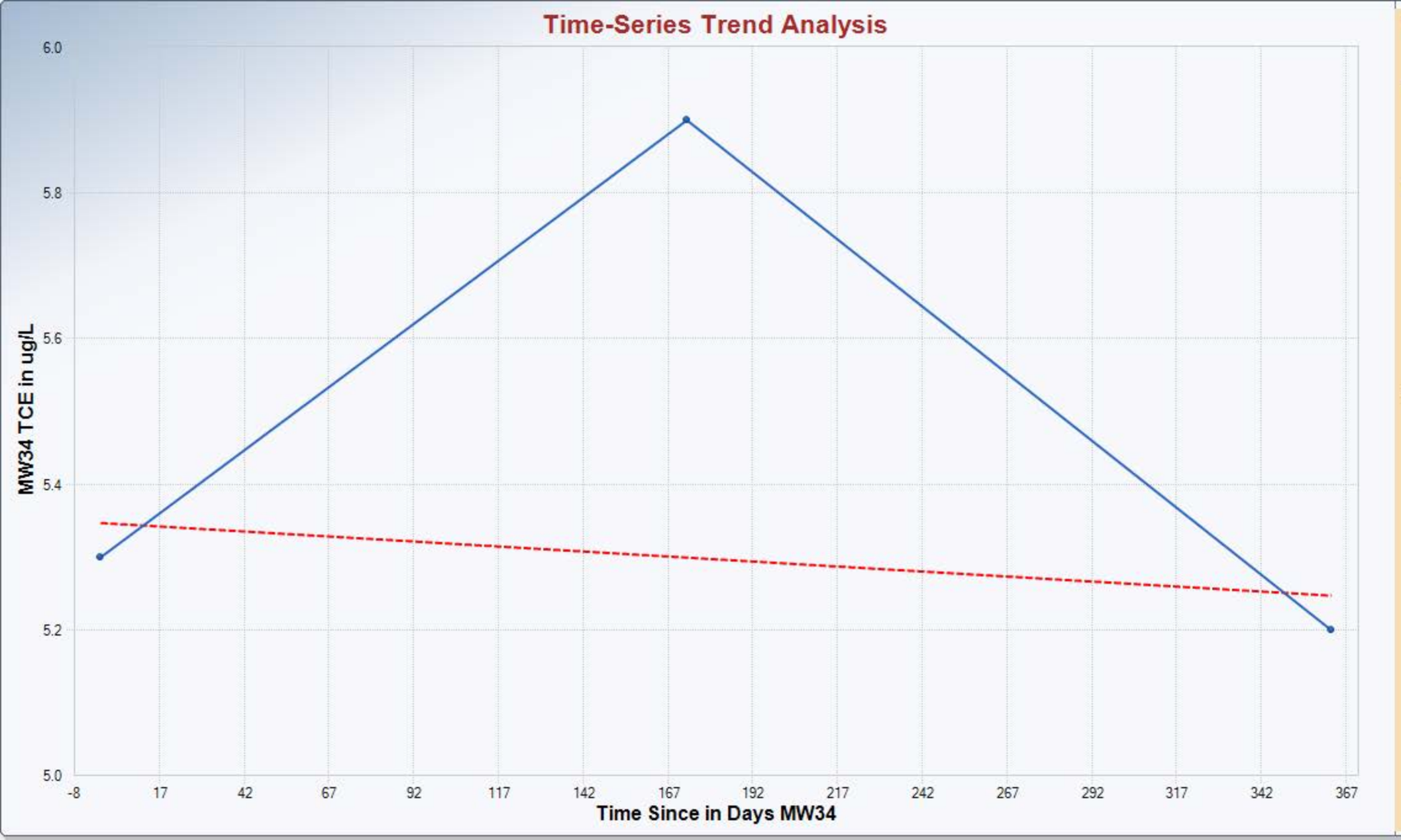
Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	16.2788
M-K Test Value (S)	-43
Tabulated p-value	0.0050

Significant evidence of a decreasing trend

Monitoring Well MW34



Time-Series Trend Analysis

# Events/Time Periods	3

Theil-Sen Trend Line (Red)

Theil-Sen Slope	-0.0003
Theil-Sen Intercept	5.3477

Theil-Sen Trend Analysis

Level of Significance	0.1500
M1	0.1218
M2	2.8782
LCL of Slope	-0.0033
UCL of Slope	0.0030

Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Analysis

Standard Deviation of S	1.9149
M-K Test Value (S)	-1

Tabulated p-value

Insufficient evidence of a significant trend