SoundEarth Strategies, Inc.
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FINAL FEASIBILITY STUDY REPORT

Property:
Troy Laundry Seattle Site
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington
Ecology Facility ID: 19135499

Prepared for:
Touchstone SLU LLC
1425 Fourth Avenue, Suite 200
Seattle, Washington

TB TS/RELP LLC
9830 Colonnade Boulevard, Suite 600
San Antonio, Texas

Report Date:
March 26, 2025

Final Feasibility Study Report

Prepared for:

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399 Fairview Avenue North
Seattle, Washington 98121
Ecology Facility ID: 19135499

Project No.: 0731-004-07

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March 26, 2025

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ACRONYMS AND ABBREVIATIONS

µg/L	micrograms per liter
AS	air sparge
AO	Agreed Order No. DE 8996
ARAR	applicable or relevant and appropriate requirement
bgs	below ground surface
cis-1,2-DCE	cis-1,2-dichloroethene
CLARC	Cleanup Levels and Risk Calculation
COC	contaminant of concern
CPOC	conditional point of compliance
CSM	conceptual site model
CVOC	chlorinated volatile organic compound
DHC	*Dehalococcoides* genus
DRPH	diesel-range petroleum hydrocarbons
EC	Environmental Covenant
Ecology	Washington State Department of Ecology
Ecology Climate Guidance	Washington State Department of Ecology's Sustainable Remediation: Climate Change Resiliency and Green Remediation dated November 2017, revised January 2023
EHD Map	Washington State Department of Health's Environmental Health Disparities Map
EJ Screening Tool	Environmental Justice Screening and Mapping Tool
EOS	edible oil substrate
EPA	US Environmental Protection Agency
EPI	Environmental Partners, Inc. aka TRC Companies, Inc.
ERD	enhanced reductive dechlorination
Final FS Report	Final Feasibility Study Report
Final RI Report	Final Remedial Investigation Report
FS Report	Feasibility Study Report
GAC	granular activated carbon
GRPH	gasoline-range petroleum hydrocarbons
IRA	interim remedial action
mcl	maximum contaminant level

ACRONYMS AND ABBREVIATIONS (CONTINUED)

mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MNA	monitored natural attenuation
MTCA	Washington State Model Toxics Control Act
NAVD88	North American Vertical Datum 1988
O&M	operation and maintenance
ORPH	oil-range petroleum hydrocarbons
PAC	powdered activated carbon
PCE	tetrachloroethene
Property	Troy Laundry property located at 300 Boren Avenue North and 399 Fairview Avenue North in Seattle, Washington
RAO	remedial action objective
RCW	Revised Code of Washington
RI Report	remedial investigation report
RL	remediation level
ROW	right-of-way
SDOT	Seattle Department of Transportation
Site	the Property; portions of the rights-of-way to the north, south, and west of the Property; and the northern portion of the adjoining former Seattle Times property located to the south across the Thomas Street ROW where groundwater contaminated with tetrachloroethene; trichloroethene; cis-1,2-dichloroethene, and/or vinyl chloride originating from the Property have come to be located
Seattle Times Site	the south-adjoining property located at 1120 John Street in Seattle, Washington located across the Thomas Street right-of-way (Washington State Department of Ecology Cleanup Site ID No. 14495, Facility Site ID 4377754, and King County Parcel Number 1986200525)
SoundEarth	SoundEarth Strategies, Inc.
SSI	statistically significant increase
SVE	soil vapor extraction
TCE	trichloroethene
TEE	Terrestrial Ecological Evaluation
Touchstone	Touchstone SLU LLC and TB TS/RELP LLC
UIC	underground injection control
USC	United States Code
UST	underground storage tank

VC	vinyl chloride
VFA	volatile fatty acid
WAC	Washington Administrative Code
WA DOH	Washington State Department of Health Environmental Health Disparities Map

EXECUTIVE SUMMARY

On behalf of Touchstone SLU LLC and TB TS/RELP LLC (collectively Touchstone), SoundEarth Strategies, Inc. (SoundEarth) has prepared this Final Feasibility Study Report (Final FS Report) for the Troy Laundry Seattle Site located at 300 Boren Avenue North and 399 Fairview Avenue North in Seattle, Washington (Site). The Site encompasses the following areas:

- The Troy Laundry property located at 300 Boren Avenue North and 399 Fairview Avenue North in Seattle, Washington (Property).
- Portions of the rights-of-way (ROWs) to the north, south, and west of the Property.
- The northern portion of the adjoining former Seattle Times property located at 1120 John Street in Seattle, Washington (Seattle Times Site; Ecology Cleanup Site ID No. 14495, Facility Site ID 4377754, and King County Parcel Number 1986200525). The Seattle Times Site is located to the south across the Thomas Street ROW and is where groundwater contaminated with tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC) originating from the Property has come to be located.

This FS Report was prepared in accordance with Agreed Order No. DE 8996 between Touchstone and the Washington State Department of Ecology (Ecology) and the requirements of Chapters 173-340-351 and 173-340-360 of the Washington Administrative Code, following the completion of an Ecology-approved Remedial Investigation Report (RI Report) for the Site. The RI Report sufficiently defines the nature and extent of contamination and characterizes the Site for the purpose of developing and evaluating cleanup action alternatives in this FS Report.

An interim remedial action (IRA) was conducted at the Site between 2014 and 2017 in conjunction with the redevelopment of the Property. The redevelopment required a lot line–to–lot line excavation that extended to approximately 70 feet below street grade. The IRA included the removal of underground storage tanks containing solvents and petroleum hydrocarbons and 97,000 tons of chlorinated solvent–contaminated soil as part of the Property development mass excavation. The IRA also included treating groundwater containing chlorinated volatile organic compounds (CVOCs) using enhanced reductive dechlorination (ERD) technology that included the injection of edible oil substrate into groundwater in May and June 2015 and in April and May 2016, followed by bioaugmentation in June 2017.

As of the fourth quarter of 2023, PCE and TCE were not detected at concentrations exceeding the laboratory reporting limit or cleanup levels in groundwater beneath the Property, except for PCE in injection well IW50 and TCE in monitoring well MW25. Prior to the fourth quarter of 2023, PCE and TCE concentrations in the wells were below cleanup levels for the previous eight rounds of sampling, which suggests the detections in Q4 2023 are anomalous and likely represent a sampling artifact or temporary desorption of PCE and TCE from the soil to the dissolved phase.

cis-1,2-DCE and/or VC concentrations exceed the cleanup levels in several monitoring wells located on the Property. Statistical trend analyses generally demonstrate that cis-1,2-DCE and VC concentrations in groundwater samples collected from beneath the Property are increasing with time, which is expected because of ERD groundwater treatment.

cis-1,2-DCE and VC were not detected at concentrations exceeding the laboratory reporting limits or cleanup levels for groundwater in the ROWs. PCE or TCE was detected at concentrations exceeding the

cleanup level in groundwater samples collected from monitoring wells MW04, MW07, MW13, MW26, MW27, and MW34, which are located in the ROWs. As of the fourth quarter of 2023, statistical trend analyses demonstrate that the PCE or TCE concentrations detected in groundwater samples from the ROWs are either declining or the trend is statistically undetermined.

The RI Report defined the extent of CVOC-contaminated groundwater at the Site after implementation of the IRA. In addition, the RI Report documented through two indoor air sampling events that the vapor intrusion pathway is incomplete and indoor air is not a medium of concern for the Site.

Based on the results of the RI Report and the findings from performance of the IRA and recent pilot study activities, this FS Report was prepared to develop and evaluate cleanup action alternatives to address remaining CVOCs in groundwater at the Site.

The four cleanup action alternatives that were developed and evaluated include the following:

- Cleanup Action Alternative 1, Monitored Natural Attenuation (MNA) and Environmental Covenant
- Cleanup Action Alternative 2, In Situ ERD and Environmental Covenant with MNA
- Cleanup Action Alternative 3, In Situ Powder Activated Carbon Adsorption and Environmental Covenant with MNA

Cleanup Action Alternative 1 (MNA) has been selected as the recommended remedial alternative because it is technically feasible, implementable, sustainable, protective of human health and environment, and cost-effective. Selection of MNA recognizes that the source of CVOCs was removed to the maximum extent practicable as part of the IRA during redevelopment of the Property.

Based on the disproportionate cost analysis, it was determined that the incremental benefit of implementing an active treatment alternative compared to MNA is not warranted based on the following conclusions:

- The CVOC impacts in groundwater do not pose a risk to human health or the environment given the depth to groundwater beneath the Site.
- There is no direct or indirect exposure pathway or receptor.
- The overall mass of the CVOC plume has significantly declined over time.
- The benefit from additional in situ groundwater treatment will be *de minimis* given the low CVOC concentrations remaining in groundwater.

Cleanup Action Alternative 1 will include continued groundwater monitoring and sampling, data analysis to confirm that the footprint of the CVOC groundwater plume remains stable or continues to decline over time. The recording of an environmental covenant with an institutional control will ensure there is no direct contact with or ingestion of contaminated groundwater.

This executive summary is presented solely for introductory purposes, and the information contained in this section should be used only in conjunction with the full text of this report.

1.0 INTRODUCTION

On behalf of Touchstone SLU LLC and TB TS/RELP LLC (collectively Touchstone), SoundEarth Strategies, Inc. (SoundEarth) has prepared this Feasibility Study Report (FS Report) for the Troy Laundry Seattle Site located at 300 Boren Avenue North and 399 Fairview Avenue North in Seattle, Washington (Site). The Site encompasses the following:

- The Troy Laundry property located at 300 Boren Avenue North and 399 Fairview Avenue North in Seattle, Washington (Property). The location of the Property is shown on Figure 1.
- Portions of the rights-of-way (ROWs) to the north, south, and west of the Property.
- The northern portion of the adjoining former Seattle Times property, located at 1120 John Street in Seattle, Washington (Seattle Times Site; Ecology Cleanup Site ID No. 14495, Facility Site ID 4377754, and King County Parcel Number 1986200525). The Seattle Times Site is located to the south across the Thomas Street ROW and is where groundwater contaminated with tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC) originating from the Property has come to be located.

This Final Feasibility Study Report (Final FS Report) was prepared under the authority of Agreed Order No. DE 8996 between Touchstone and the Washington State Department of Ecology (Ecology; AO). The Final FS Report includes data gathered following the completion of an Ecology-approved Remedial Investigation Report (RI Report) for the Site (Final RI Report; SoundEarth 2020).

The Final RI Report included data and information obtained through implementation of an interim remedial action (IRA) and information obtained pursuant to investigation conducted under Prospective Purchaser Consent Decree No. 19-2-07344-6 SEA for the Property between Ecology and Ponte Gadea Seattle LLC. This FS Report was developed in accordance with the AO and with the requirements of Chapters 173-340-351 and 173-340-360 of the Washington Administrative Code (WAC 173-340-351 and 173-340-360).

1.1 SITE BACKGROUND

According to historical records, Troy Laundry operated as one of the Pacific Northwest's largest laundry and dry cleaning facilities. At least 15 underground storage tanks (USTs) containing heating oil, fuel, and dry cleaning solvents and several aboveground storage tanks containing propane, wash water, water-softening agents, dry cleaning solvents, and heating oil were used on the Property throughout its operation (Figure 2).

An RI was initiated at the Property in 1985 and completed in 2019. The RI Report documented the release and the nature and extent of gasoline-, diesel-, and oil-range petroleum hydrocarbons (GRPH, DRPH, and ORPH, respectively); PCE; TCE; cis-1,2-DCE; and VC released to soil and groundwater. The areas affected by releases of contaminants from the Property are presented on Figure 3. The RI activities included advancing 59 borings and installing 33 groundwater monitoring wells, performing a vapor intrusion assessment, and conducting groundwater monitoring and sampling events.

SoundEarth conducted an IRA at the Site between 2014 and 2017 in conjunction with the redevelopment of the Property. The redevelopment required a lot line–to–lot line excavation that extended to a depth of 70 feet below street grade. The IRA included the removal of USTs containing solvents and petroleum hydrocarbons and 97,000 tons of chlorinated volatile organic compound (CVOC)–contaminated soil as

part of the Property development mass excavation. The IRA also included treating CVOC–contaminated groundwater using enhanced reductive dechlorination (ERD) technology. The ERD groundwater treatment included the injection of edible oil substrate (EOS) in May and June 2015 and April and May 2016, followed by bioaugmentation in June 2017. As a result of groundwater treatment and natural attenuation processes, concentrations of PCE and its degradation products have declined in groundwater throughout the Site.

Currently, the Troy Block development at the Property occupies the full city block bounded by Harrison Street to the north, Fairview Avenue North to the east, Thomas Street to the south, and Boren Avenue North to the west. The development includes two office towers and a five-level underground parking garage (levels P1 through P5) with 1,120 parking stalls. The North Tower consists of 13 stories with 418,999 square feet of rentable space, and the South Tower consists of 12 stories with 392,521 square feet of rentable space. Both towers are currently leased and occupied by Amazon. The development also includes approximately 1 acre of public open space between the two towers. The lowest level of the underground parking garage covers the entire subsurface area of the Property, and there are no areas where there could be any direct contact with residual groundwater contamination beneath the Property.

1.2 SUPPLEMENTAL SITE INVESTIGATION ACTIVITIES

Previous investigations and the IRA conducted at the Site were performed in consultation with Ecology and in accordance with the AO and are summarized in Sections 3.0 through 6.0 of the Final RI Report (SoundEarth 2020). The locations of soil borings and monitoring wells are shown on Figure 4 and illustrated in cross-sections on Figures 5 through 8. Soil, groundwater, and indoor air analytical results are summarized in Tables 1 through 9.

Since approval of the RI Report in 2020, SoundEarth has conducted supplemental site investigation activities at the Site that have included eight groundwater monitoring and sampling events (in the second and fourth quarters of 2020, 2021, 2022, and 2023) and a pilot study. The supplemental site investigation and pilot study activities and results are summarized in the following sections.

1.2.1 2020 Second and Fourth Quarter Groundwater Monitoring and Sampling Events

Groundwater monitoring and sampling events were performed in June and December 2020 (second and fourth quarters, respectively). The groundwater elevation contour map for June and December 2020 events are shown on Figures 9 and 10, respectively. Results of the 2020 groundwater monitoring and sampling event are presented below.

- PCE was detected at concentrations exceeding the cleanup level in groundwater samples collected from monitoring wells MW13, MW28, and MW29 and injection well IW61 (only in the second quarter of 2020).
- TCE was detected at concentrations exceeding the cleanup level in groundwater samples collected from monitoring wells MW04, MW07, MW26 (only in the second quarter of 2020), MW27, MW28 (only in the second quarter of 2020), MW29, and MW31.
- cis-1,2-DCE and/or VC were detected at concentrations exceeding the cleanup level in groundwater samples collected from monitoring wells MW18, MW19, MW21 through MW25, MW28, and MW29 and injection wells IW04, IW50, and IW61.

The groundwater elevation contours for the second quarter 2020 monitoring event indicated that groundwater at the Site flowed generally to the west-northwest. This groundwater flow direction is a departure from the flow to the south-southeast that was observed during previous groundwater monitoring and sampling events performed at the Property. The change in groundwater flow direction to the west-northwest can be attributed to the hydraulic influence of construction dewatering associated with a redevelopment project northwest of the Property.

A comprehensive discussion of the 2020 groundwater monitoring and sampling events and results, including a statistical analysis to evaluate the stability of the contaminated groundwater plume, is presented in the 2020 Groundwater Monitoring Report (SoundEarth 2021).

1.2.2 2021 Second and Fourth Quarter Groundwater Monitoring and Sampling Events

Groundwater monitoring and sampling events were performed in June and December 2021 (second and fourth quarters, respectively). The groundwater elevation contour map for June and December 2021 events are shown on Figures 11 and 12, respectively. Results of the 2021 groundwater monitoring and sampling events are presented below.

- PCE was not present at concentrations exceeding the laboratory reporting limit or cleanup level in groundwater on the Property. PCE was detected at a concentration exceeding the cleanup level in monitoring wells MW13 (only in the fourth quarter of 2021) located on the Boren Avenue North ROW and monitoring wells MW28 and MW29, located in the Thomas Street ROW and northern portion of the Seattle Times Site, respectively.
- TCE was detected at concentrations exceeding the cleanup level in groundwater samples collected from monitoring wells MW04, MW07, MW26, MW27, MW31 (only in the fourth quarter of 2021) and MW34 (only in the fourth quarter of 2021). TCE was detected at a concentration exceeding the cleanup level in a groundwater sample collected from monitoring well MW29.
- cis-1,2-DCE and/or VC were detected at concentrations exceeding the cleanup level in groundwater samples collected from on-Property monitoring wells MW18, MW19, and MW21 throughMW25 and from on-Property injection wells IW04, IW06, IW50, and IW61. cis-1,2-DCE and VC were not detected at concentrations exceeding laboratory reporting limits or cleanup levels in groundwater samples collected from the monitoring wells in the ROWs, except for cis-1,2-DCE in monitoring well MW28, which is located in the Thomas Street ROW.

The groundwater elevation contours for the second quarter 2021 monitoring event indicated that groundwater at the Site flowed generally to the west-northwest, as it did in 2020, due to ongoing construction dewatering associated with a redevelopment project northwest of the Property.

A comprehensive discussion of the 2021 groundwater monitoring and sampling events and results, including a statistical analysis to evaluate the stability of the contaminated groundwater plume, is presented in the 2021 Groundwater Monitoring Report (SoundEarth 2022).

1.2.3 Powdered Activated Carbon Pilot Study

In support of developing remedial alternatives, a pilot test was performed in consultation with Ecology to evaluate the efficacy of using powdered activated carbon (PAC) to reduce CVOC

concentrations in groundwater. In early April 2021, three injection wells (IW92, IW93, and IW94) were constructed upgradient of monitoring well MW28 in the Thomas Street ROW. The injection wells were installed to an approximate depth of 5 feet North American Vertical Datum 1988 (NAVD88) with a screened interval of between 5 and 15 feet NAVD, which is consistent with the screened interval for monitoring well MW28. The injection well locations are shown on Figure 4. Injection well construction logs for injection wells IW92, IW93, and IW94 are provided in Appendix A.

In late April 2021, an injection slurry was prepared that consisted of 55 pounds of PAC mixed with 150 gallons of potable water in an aboveground tank (one batch). The PAC injection slurry was delivered to the newly installed injection wells and two existing angled injection wells (AIW10 and AIW11) under moderate injection pressure. Two batches of slurry were delivered to injection wells IW92, IW93, and IW94 and two-and-a-half batches were delivered to angled injection wells AIW10 and AIW11 for a total of 11 batches delivered. As the delivery of the PAC slurry to the subsurface progressed, injection rates diminished, likely due to clogging of the soil pores given the presence of low-permeability soils. If further injections were performed beneath the Thomas Street ROW, it is anticipated the aerial distribution and contact with CVOC-contaminated groundwater would be limited.

Pilot study performance groundwater monitoring was performed in May 2021 (approximately 1 month following injections), in August and September 2021 (approximately 4 and 5 months following the injections), and concurrently with the semiannual groundwater monitoring program (second and fourth quarters of 2021 and 2022). Performance monitoring consisted of the collection of groundwater samples from monitoring well MW28 and submission of the samples for analysis of CVOCs.

PCE and TCE concentrations have decreased in groundwater samples collected from monitoring well MW28 following the PAC injections. In the second and fourth quarters of 2022 (i.e., approximately 14 and 20 months following the injections, respectively) and 2023, PCE and TCE were detected at concentrations below the cleanup level in groundwater samples collected from monitoring well MW28. The pilot study results indicate that the observed reductions in PCE and TCE concentrations are attributed to absorption by the PAC and/or natural attenuation processes.

1.2.4 2022 Second and Fourth Quarter Groundwater Monitoring and Sampling Events

Groundwater monitoring and sampling events were performed in June and December 2022 (second and fourth quarters, respectively). In July 2022, five monitoring wells (MW29, MW30, ONNI-MW-4, ONNI-MW-5, and ONNI-MW-9) were decommissioned on the Seattle Times Site. The groundwater elevation contour map for the June and December 2022 events are shown on Figures 13 and 14, respectively. Results of the 2022 groundwater monitoring and sampling event are presented below.

- PCE was not present at concentrations exceeding the laboratory reporting limit or cleanup level in groundwater samples collected from wells on the Property or in the ROWs. PCE was detected at a concentration exceeding the cleanup level in monitoring well MW29 in the second quarter 2022.
- TCE was detected at concentrations exceeding the cleanup level in groundwater samples collected from monitoring wells MW04, MW07, MW26 (only during the second quarter 2022), MW27, and MW34. TCE was detected at a concentration

exceeding the cleanup level in monitoring well MW29 in the second quarter of 2022.

- cis-1,2-DCE and/or VC were detected at concentrations exceeding the 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. cis-1,2-DCE and VC were not detected at concentrations exceeding laboratory reporting limits or cleanup levels in groundwater samples collected from the monitoring wells in the ROWs, except for cis-1,2-DCE in monitoring well MW28, which is located in the Thomas Street ROW.

For the second and fourth quarters of 2022, the groundwater elevation contours indicated that groundwater at the Site flowed generally to the southeast. The groundwater flow direction is similar to what was observed prior to the construction dewatering activities for the project northwest of the Property.

A comprehensive discussion of the 2022 groundwater monitoring and sampling events and results, including a statistical analysis to evaluate the stability of the contaminated groundwater plume, is presented in the 2022 Groundwater Monitoring Report (SoundEarth 2023).

1.2.5 2023 Second and Fourth Quarter Groundwater Monitoring and Sampling Events

Groundwater monitoring and sampling events were performed in June and December 2023 (second and fourth quarters, respectively). The groundwater elevation contour map for the June and December 2023 events are shown on Figures 15 and 16, respectively. Results of the 2023 groundwater monitoring and sampling event are presented below.

- PCE was detected at a concentration exceeding the cleanup level in groundwater samples collected from on-Property injection well IW50 (only during the second quarter) and monitoring well MW13 located in the Boren Avenue North ROW (only during the second quarter) and monitoring well MW29R, located on the Former Seattle Times Site.
- TCE was detected at concentrations exceeding the cleanup level in groundwater samples collected from on-Property monitoring well MW25 (only during the second quarter); monitoring wells MW04, MW07 (only during the second quarter), and MW27 (only during the second quarter), located in the Boren Avenue North ROW; monitoring well MW26, located in the Harrison Street ROW; monitoring well MW34 (only during the second quarter), located in the Terry Avenue North ROW; and monitoring well MW29R (only during the second quarter), located on the Former Seattle Times Site.
- cis-1,2-DCE and/or VC were detected at concentrations exceeding the 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. cis-1,2-DCE was also detected at a concentration exceeding the cleanup level in the groundwater sample collected from monitoring well MW29R (only during the second quarter), located on the Former Seattle Times Site. cis-1,2-DCE and VC were not detected at concentrations exceeding laboratory

reporting limits or cleanup levels in groundwater samples collected from the monitoring wells in the ROWs.

For the second and fourth quarters of 2023, the groundwater elevation contours indicated that groundwater at the Site flowed generally to the southeast.

A comprehensive discussion of the 2023 groundwater monitoring and sampling events and results, including a statistical analysis to evaluate the stability of the contaminated groundwater plume, is presented Section 2.0 and in the 2023 Groundwater Monitoring Report (SoundEarth 2024).

2.0 STATISTICAL TREND ANALYSIS

SoundEarth performed a statistical trend analysis to evaluate the trend of concentrations of CVOCs in the groundwater at monitoring wells at the Site for groundwater samples collected between May 2015 and December 2023 (Tables 3 and 3A). In cases where a monitoring well was installed after 2015, the earliest sample results were used to perform the trend analysis. Wells not included in the trend analysis did not contain CVOCs at the concentrations above the laboratory reporting limits or groundwater cleanup levels for the previous four groundwater sampling events. Results from the trend analysis are used to inform the conceptual site model for the Site.

The "target wells" used to perform the trend analyses include:

- On-Property Wells: Monitoring wells MW18, MW19, MW21, MW22, MW24, and MW25 and injection wells IW04, IW50, and IW61
- ROW Wells: Monitoring wells MW04, MW07, MW13, MW26 through MW28, and MW34
- Former Seattle Times Wells: Monitoring wells MW29 and MW29R

The trend in CVOC concentrations at each target well (i.e., increasing, decreasing, or stable) were analyzed using the Mann-Kendall non-parametric trend analysis method as presented in the EPA *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water* (Wiedemeier et al. 1998). The trend analysis was performed using EPA Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations dated June 2022 (ProUCL version 5.2.00); CVOC results reported as non-detect were entered at half the laboratory reporting limit to perform the trend analyses.

Results from the trend analyses are summarized in Table 10. The output from the Mann-Kendall trend analysis is provided in Appendix B. The performance of CVOC concentrations over time in the groundwater at the target wells is present in Charts A to Q in Appendix B. A trend analysis for monitoring well MW29 was performed by combining analytical results from monitoring wells MW29 and MW29R, which are located on the Former Seattle Times Site.

2.1 PCE AND TCE TREND ANALYSIS

In 2023, PCE was detected at concentrations exceeding the groundwater cleanup level in groundwater samples collected from on-Property injection well IW50 and monitoring well MW13 located in the Boren Avenue ROW, and TCE was detected at concentrations exceeding the groundwater cleanup level in groundwater samples collected from on-Property monitoring well MW25 and monitoring wells MW04, MW07, MW26, MW27, and MW34, located in the ROWs. PCE and TCE concentrations were evaluated for the trend analysis in conjunction with the current footprint of the PCE and TCE groundwater plume originating at source areas located both on and upgradient/cross-gradient from the Property.

As of the fourth quarter of 2023, findings from the PCE and TCE trend analysis are as follows:

- The trend analysis for PCE at on-Property injection well IW50 indicates there is insufficient evidence to identify a significant trend as of the fourth quarter of 2023. In the second quarter of 2023, the concentration of PCE in the groundwater at injection well IW50 was 2.5 times less than the groundwater cleanup level. The fluctuations of PCE concentrations likely result from periodic desorption of PCE from solid phase to the dissolved phase (which is eventually biologically degraded), PCE leaching from the soil due to changes in groundwater elevation, and/or analytical variability. As shown in Chart A, the performance of PCE in groundwater at injection well IW50 has generally declined since January 2017. PCE concentrations were below the laboratory reporting limit or groundwater cleanup level for eight sampling events prior to the fourth quarter of 2023.
- The trend analysis for PCE in the groundwater at monitoring well MW13 located in the Boren Avenue ROW indicates a decreasing concentration with time. As shown in Chart B, the performance of PCE in the groundwater shows an occasional fluctuation in PCE concentrations but overall decline in concentrations since August 2015. The fluctuations in the PCE concentrations may result from periodic desorption of PCE from solid phase to the dissolved phase, PCE leaching from the soil due changes in groundwater elevation, and/or analytical variability.
- The trend analysis for PCE in the groundwater at monitoring well MW29-29R located on the Former Seattle Times Site indicates the concentration of PCE in the groundwater is stable. As shown in Chart C, the performance of PCE concentrations has declined and has remained relatively constant since October 2019.
- The trend analysis for TCE in the groundwater at monitoring well MW25 located on the Property indicates decreasing concentrations with time. As shown in Chart D, the performance of TCE concentrations has shown a dramatic decline since May 2015.
- The trend analyses for TCE in the groundwater at monitoring wells MW04 and MW07 located in the Boren Avenue ROW indicate decreasing concentrations with time, which was also observed in the fourth quarter of 2022. The performances of TCE in the groundwater over time at monitoring well MW04 and MW07 are shown in Charts E and F.
- Trend analysis for TCE in the groundwater at monitoring well MW26 located in the Harrison Street ROW indicates a decreasing concentration with time. The performance of TCE in the groundwater at monitoring well MW26 over time is shown in Chart G. The trend analysis for the TCE concentrations in the groundwater at monitoring well MW27 located in the Boren Avenue ROW indicates the concentrations of TCE in the groundwater are stable. The performance of TCE in the groundwater at monitoring well MW27 is shown in Chart H.
- The trend analysis for TCE concentrations in the groundwater at monitoring well MW34 located in the Terry Street ROW is stable with time. The performance of TCE in groundwater at monitoring well MW34 is shown in Chart I.
- The trend analysis for TCE in the groundwater at monitoring well MW29-29R located on the Former Seattle Times Site indicates the concentration of TCE in the groundwater is stable. As shown in Chart B, the performance of TCE concentrations has declined and has remained relatively constant since October of 2018.

2.2 CIS-1,2-DCE AND VC TREND ANALYSIS

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 groundwater plume originating from the Property. In 2023, cis-1,2-DCE and/or VC were detected at concentrations exceeding the applicable groundwater 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. As of the fourth quarter of 2023, findings from the cis-1,2-DCE and VC trend analysis are as follows:

- The trend analysis for cis-1,2-DCE concentrations in the groundwater at monitoring well MW28 located in the Thomas Street ROW indicates a decreasing trend with time. This condition was also observed in the fourth quarter of 2022. The performance of cis-1,2-DCE in the groundwater at monitoring well MW28 with time is shown in Chart J. The chart shows a dramatic decline in the concentration of cis-1,2-DCE since June 2019. The absence of cis-1,2-DCE and VC suggest conditions in the groundwater are optimum for aerobic biodegradation in this part of the aquifer beneath the Thomas Street ROW.
- The trend analyses for cis-1,2-DCE concentrations in groundwater at on-Property monitoring well MW22 shows an increasing trend with time. The trend analysis for monitoring well MW24 indicates the cis-1,2-DCE concentration in the groundwater is stable. The trend analyses for cis-1,2-DCE concentrations in groundwater at on-Property injection well IW61 shows an increasing trend with time. The performance of cis-1,2-DCE in the groundwater at monitoring wells MW22, MW24, and IW61 are shown in Charts K, L, and M, respectively. The charts show an increase in cis-1,2-DCE concentrations since July 2016, which is the results of degradation of PCE and TCE to cis-1,2-DCE as anticipated.
- The trend analysis for cis-1,2-DCE concentrations in groundwater at on-Property injection well IW50 indicates a decreasing trend. As shown in Chart A, the performance of cis-1,2-DCE in the groundwater at injection well IW50 shows that concentrations periodically fluctuate with time. The fluctuation may be due to seasonal fluctuations in the groundwater elevation, which results in adsorption and desorption of CVOCs from solid phase to dissolved phase. This periodic desorption leads to a temporary increase in the concentration of 1,2-cis-DCE.
- The trend analysis for cis-1,2-DCE in the groundwater at monitoring well MW29-29R located on the Former Seattle Times Site indicates a decreasing tend. As shown in Chart C, the performance of cis-1,2-DCE concentrations has declined since October 2018.
- The trend analyses for VC concentrations in the groundwater at on-Property monitoring wells MW18, MW19, MW21, MW22, MW24, and MW25 and injection wells IW04 and IW61 indicate an increasing trend. The concentrations of VC over time at monitoring wells MW18, MW19, MW21, MW22, MW24, and MW25 and injection wells IW04 and IW61 are shown on Charts K, L, M, N, O, P, and Q. The increase in the concentration of VC with time suggests there is ongoing residual PCE and/or TCE mass at the Property, which degrades to cis-1,2-DCE that then degrades to VC.
- The trend analysis for VC concentrations in groundwater at on-Property injection well IW50 located on the Property indicates an increasing trend. As shown in Chart A, the performance of VC concentration in the groundwater at injection well IW50 occasionally fluctuates with time. The fluctuation may be due to seasonal fluctuations in the groundwater elevation, resulting in adsorption and desorption of CVOCs from solid phase to the dissolved phase. This periodic desorption leads to a temporary increase in the concentration of VC.

- The trend analysis for VC in the groundwater at monitoring well MW29-29R located on the Former Seattle Times Site indicates that trend is undeterminable. As shown in Chart C, the performance of VC concentrations has declined since October 2018.

While the overall statistical trend in VC concentrations on the Property is increasing with time, engineering controls on the Property protect the vapor intrusion pathway, which is documented in the two vapor intrusion studies performed at the Property (SoundEarth 2019).

In areas downgradient of the Property in the Thomas Street ROW and on the Seattle Times Site, VC is absent in the groundwater. These represent optimum conditions to reduce human health risk when considered in conjunction with continued adherence to remediation levels (RLs) for roadway excavation workers to protect the inhalation pathway in the Thomas Street ROW and with RLs and engineering controls to protect the vapor intrusion pathway on the Seattle Times Site.

These conditions support the conclusion that additional active treatment of the groundwater is not warranted since treating residual concentrations of PCE and/or TCE in the ROWs and on the Property would only increase VC concentrations in the groundwater in the ROW and beneath the Seattle Times Site. Given the high solubility, higher toxicity, and greater volatility of VC compared to PCE, TCE, and cis-1,2-DCE, the absence of VC or low concentrations of VC are the preferred conditions for the protection of human health and the environment.

3.0 CONCEPTUAL SITE MODEL

This section discusses the components of the conceptual site model (CSM) developed for the Site. Included in the following sections are a discussion of the confirmed and suspected source areas, affected environmental media, fate and transport mechanisms, contaminants of concern, and exposure pathways and potential receptors; an updated Terrestrial Ecological Evaluation (TEE); and a CSM summary. The CSM serves as the basis for developing technically feasible cleanup alternatives and selecting a final cleanup action.

Based on results of the RI, the Property is a confirmed source of CVOCs in groundwater at the Property, in the Boren Avenue ROW, and downgradient of the Property at Seattle Times Site. CVOCs in the groundwater originating from the Property are comingled with yet unknown source area located upgradient and cross gradient from the Property.

The following subsections provide a summary of the likely sources and extents of the COCs on and off the Property that were identified during the RI. Figures 5 through 35 provide visual representations of the information presented below.

3.1 ON-PROPERTY CONFIRMED AND SUSPECTED SOURCE AREAS

3.1.1 <u>On-Property Chlorinated and Stoddard Solvents in Soil and Groundwater</u>

The results of the RIs and IRAs conducted at the Site indicate that the chlorinated solvent and Stoddard solvent impacts detected in soil and groundwater beneath the Property, in a portion of the south-adjacent Thomas Street ROW, and on the northern portion of the Seattle Times Site are primarily the result of releases from the Troy Laundry facility that operated on the Property from 1927 through 1985. Historical building plans indicate that the bulk of the dry cleaning operations after the mid-1960s were conducted on the southwestern portion of the Property (Figure 2). Consistent with this information, the highest concentrations of chlorinated solvents in soil were

historically located near the center of the Property in the vicinity of the former loading dock, and the highest concentrations of GRPH as Stoddard solvent were observed to the south of the three closed-in-place USTs under the former Troy Building on the southwestern portion of the Property. The distribution of solvents in soil and groundwater on the Property and in groundwater in the Thomas Street ROW and on the northern portion of the Seattle Times Site indicates that the primary sources of the releases were located at the loading dock and UST cluster on the Property (Figure 2), although additional smaller releases from other source areas may have contributed to shallow solvent contamination elsewhere on the Property.

3.1.1.1 PCE and TCE in Groundwater

The results of groundwater monitoring events performed prior to implementation of the groundwater treatment program at the Property confirmed that PCE was present at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from on-Property monitoring wells MW21 through MW25 and injection well IW61. Since groundwater treatment was implemented in 2015 and 2017, and due to ongoing anaerobic deductive dechlorination, the PCE and TCE plume footprint on the Property has decreased considerably. This decrease is evident when comparing the plume footprint in 2015 (Figure 18) with the plume footprint in 2023 (Figure 32). As of the fourth quarter of 2023, PCE and TCE were not detected at concentrations exceeding the laboratory reporting limit or cleanup levels in groundwater beneath the Property, except for PCE in injection well IW50 and TCE in monitoring well MW25 in the fourth quarter of 2023. Prior to the fourth quarter of 2023, PCE and TCE concentrations in the wells were below cleanup levels for the previous eight rounds of sampling, which suggests this condition is anomalous and likely represents a sampling artifact or temporary desorption of PCE and TCE from the soil to the dissolved phase.

3.1.1.2 cis-1,2-DCE and VC in Groundwater

The presence of cis-1,2-DCE and VC is attributed to anaerobic reductive dechlorination of PCE and/or TCE on the Property, as well as additional TCE from unknown, upgradient off-Property source areas. As anticipated, and as shown in Figures 19 and 33, the cis-1,2-DCE and VC plume footprint has expanded across the Property following implementation of the groundwater treatment program. During the two most recent groundwater monitoring events performed in the second and fourth quarter of 2023, the results of groundwater monitoring sampling at the Property indicate that cis-1,2-DCE and/or VC are present at concentrations exceeding the applicable MTCA Method A and B cleanup levels, respectively, in samples collected from on-Property monitoring wells MW18, MW19, MW21, MW22, MW24, and MW25 and injection wells IW04, IW50, and IW61.

3.1.1.3 Petroleum Hydrocarbons in Groundwater

The results of groundwater monitoring events performed following treatment of groundwater on the Property indicate that DRPH and/or ORPH were detected at concentrations exceeding the MTCA Method A cleanup levels in groundwater samples collected from on-Property monitoring wells MW18, MW19, and MW21 through MW25.

For DRPH and ORPH, each sample was flagged by the laboratory as having a chromatographic pattern that did not match the fuel standard used for quantification. Additionally, these concentrations were detected in samples collected following the 2015 and 2016 EOS injection events. GRPH concentrations detected in groundwater samples collected from monitoring well

MW21 were not flagged by the laboratory; however, GRPH was not detected in groundwater until after the 2016 injection event (groundwater monitoring began in May 2015; Table 4). It is SoundEarth's opinion that the GRPH, DRPH, and/or ORPH detections are due to the presence of the EOS solution originating from the 2015 and 2016 injection events and are not considered reflective of actual petroleum constituents in groundwater on the Property.

3.2 OFF-PROPERTY CONFIRMED AND SUSPECTED SOURCE AREAS

3.2.1 PCE in Groundwater

The groundwater beneath adjacent Boren Avenue and Harrison Street ROWs has primarily contained TCE, which has been attributed to a release from yet unknown source areas located upgradient and cross gradient of Property. In this area of the Site, there is comingling of CVOCs originating at the Property and off-property source areas. This conclusion is supported by the presence of PCE in groundwater monitoring wells MW5 (decommissioned in 2015) and MW13 (located at the intersection of Boren Avenue North and Thomas Street) which is RI and Interim Cleanup Action confirmed originated at the Property.

PCE has been detected at concentrations exceeding the MTCA cleanup level in monitoring well MW29 (decommissioned in July 2022) and MW29R, which is located on the northwestern portion of the Seattle Times Site. The presence of PCE in groundwater at monitoring well MW29 and MW29R can be attributed to a release of CVOC at the Property.

3.2.2 TCE in Groundwater

Groundwater monitoring results have demonstrated that TCE is the primary contaminant of concern in the Boren Avenue North, Harrison Street, and Terry Avenue North ROWs. As of the fourth quarter of 2023, the TCE has been detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from ROW monitoring wells MW04, MW26, and MW34. TCE in groundwater can primarily be attributed to a release of chlorinated solvents from sources upgradient of the Property, although some TCE may have reached ROWs adjacent to the Property during periods when groundwater flowed northwest. The presence of TCE in the groundwater at monitoring well MW34, located in the Terry Avenue ROW, is unlikely related to release of CVOCs at the Property because the well is located approximately 250 to 300 feet east and hydraulic upgradient of the Property. TCE observed in groundwater collected from monitoring well MW29 (decommissioned in July 2022) and MW29R on the northwestern portion of the Seattle Times Site can be attributed to the degradation of PCE released on the Property following implementation of the groundwater treatment program.

3.2.3 cis-1,2-DCE and VC in Groundwater

cis-1,2-DCE and VC were not detected at concentrations above laboratory reporting limits and/or MTCA Method A cleanup levels in groundwater collected upgradient of the Property from monitoring wells MW04, MW07, MW13, MW15, MW26, MW27, and MW31, which are in the Boren Avenue North or Harrison Street ROWs. cis-1,2-DCE and/or VC in groundwater on the Property and downgradient of the Property in the Thomas Street ROW and on the northern portion of the Seattle Times Site can be attributed to the degradation of PCE and TCE following implementation of the groundwater treatment program.

As of the fourth quarter of 2023, cis-1,2-DCE and VC were detected at concentrations below the cleanup level in groundwater collected from monitoring wells MW29R and MW35 on the Seattle Times Site. VC was present at concentrations slightly exceeding the MTCA Method A cleanup level

in one groundwater sample collected from monitoring well ONNI-MW-5 on the Seattle Times Site during the fourth quarter 2019 sampling event. However, VC was not detected at concentrations above laboratory reporting limits when monitoring well ONNI-MW-5 was initially sampled by Environmental Partners, Inc. n/k/a TRC Companies, Inc. (TRC) in 2018 (EPI 2018) or when resampled by SoundEarth in 2020 and 2021. Monitoring well ONNI-MW-5 was decommissioned in July 2022 during the redevelopment of the Seattle Times Site.

3.2.4 TCE in Shallow Soil and Perched Groundwater

Prior to redevelopment, shallow CVOC impacts to soil and perched groundwater were present on the central portion of the Property at depths of approximately 20 to 30 feet below ground surface (bgs). Of the 59 borings advanced at the Property, three borings (B21, B22, and B27) were advanced approximately 20 to 40 feet north of the southern boundary of the Property (Figure 4). SoundEarth collected soil samples from the borings at sample depth intervals of 5 to 10 feet to depths ranging from 5 to 110 feet bgs. These soil samples did not contain PCE, TCE, cis-1,2-DCE, or VC at concentrations above laboratory reporting limits, with the exception of one sample collected at 5 feet bgs in boring B21, which contained a PCE concentration of 0.28 milligrams per kilogram (mg/kg). Borings B21, B22, and B27 are located approximately 80 to 90 feet from the Seattle Times Site, with the Thomas Street ROW separating the Property and the Seattle Times Site.

Following redevelopment excavation activities at the Property, 28 confirmation soil samples were collected from the southern sidewall of the mass excavation, adjacent to the Thomas Street ROW, at depths of approximately 5 to 70 feet bgs (27 to 95 feet NAVD88). None of these samples contained CVOCs at concentrations above laboratory reporting limits.

3.2.4.1 TCE in Shallow Soil Beneath the Seattle Times Site

In May 2018, TRC performed a subsurface investigation at the Seattle Times Site. As part of that investigation, 16 soil borings (U1 through U16) were advanced proximate to the former Ink Room, Northern UST Complex and Fuel Dispenser, and Maintenance Garage, which were formerly located on the northern portion of the Seattle Times Site. The USTs were reported to contain waste oils and liquids, heating oil, diesel and gasoline fuel, and petroleum- and solvent-based inks.

Borings U1 through U16 were advanced to depths of 20 to 25 feet bgs. Reconnaissance groundwater samples collected from borings U10 through U13 contained TCE at concentrations ranging from 1.9 to 7.9 µg/L. The reconnaissance groundwater sample collected from boring U11 at a depth of 25 feet bgs contained PCE at a concentration of 1.2 µg/L. A soil sample collected from boring U11 at a depth of 15 feet bgs contained TCE at a concentration of 0.021 mg/kg. Breakdown products of TCE were not detected in the soil and reconnaissance groundwater samples collected from the TRC borings.

Following its 2013 investigation at the Seattle Times Site, TRC concluded that the TCE detected in shallow soil and groundwater originated from a source on the Seattle Times Site and not the Property. In its Limited Subsurface Investigation Report dated August 16, 2013 (EPI 2013), EPI states that “TCE is a known contaminant from the Troy Laundry site adjacent to the north of the subject property; however, a water sample collected from a shallow ground water well installed on the northern property boundary did not contain detectable concentrations of TCE. This suggests that the TCE detected in shallow ground water may be from an on-site source.”

During SoundEarth's 2019 supplemental monitoring well installation activities, borings B54 and B55 were advanced on the northern portion of the Seattle Times Site and completed as groundwater monitoring wells MW29 and MW30 to depths of approximately 105 feet bgs (0 feet NAVD88) and 106 feet bgs (-1.8 feet NAVD88), respectively. TCE was detected at concentrations exceeding the MTCA Method A cleanup level in two soil samples collected from borings B54 and B55: 0.093 mg/kg and 0.033 mg/kg, respectively. Analytical results for soil samples collected from borings B54 and B55 correspond to analytical results of soil samples collected from borings advanced by EPI in 2018.

The results of the investigations described above confirm that the release of chlorinated solvents on the Property have not impacted shallow soil or shallow groundwater at the Seattle Times Site, based on the following conclusions:

- Prior to redevelopment, shallow groundwater contaminated with PCE and its breakdown products was present at the Property at depths of 20 to 30 feet bgs. However, the shallow groundwater was encountered in only 4 of 59 soil borings near the center of the Property. Shallow groundwater at the Seattle Times Site primarily contains TCE with no breakdown products. If a release at the Property was impacting shallow soil and groundwater at the Seattle Times Site, PCE and its breakdown products would be present in groundwater.
- TCE was detected at depths of 15 to 30 feet bgs in soil samples collected from borings advanced by EPI and SoundEarth at the Seattle Times Site. The borings were advanced proximate to the former Ink Room, Northern UST Complex and Fuel Dispenser, and Maintenance Garage. TCE and/or other solvents were not detected in either: (1) soil samples collected at depths of 5 to 110 feet bgs on the southern portion of the Property from borings B21, B22, and B27; or (2) soil samples collected from the southern sidewall of the redevelopment excavation at depths of 5 to 70 feet bgs. There is no mechanism to transport solvents from the Property to shallow soils on the Seattle Times Site. Therefore, the TCE in the shallow soil at the Seattle Times Site is the result of a release on the Seattle Times Site, most likely from the former Ink Room, Northern UST Complex and Fuel Dispenser, and/or Maintenance Garage.
- The primary solvent of concern in the soil at the Seattle Times Site is TCE, while the primary solvents of concern in soil and groundwater at the Property are PCE and its breakdown products. Because PCE and its breakdown products are not present in the shallow soil at the Seattle Times Site, the source of TCE originated from the Seattle Times Site. This conclusion is supported by the fact that shallow reconnaissance groundwater samples collected by TRC proximate to the former Ink Room, Northern UST Complex and Fuel Dispenser, and Maintenance Garage contained only TCE, not PCE, except for in one reconnaissance groundwater sample collected from boring U11 at a depth of 25 feet bgs.

The TCE impacts identified in the shallow soil on the Seattle Times Site are attributed to a release at the Seattle Times Site and not a release from the Property due to the horizontal distance between shallow TCE impacts identified on the Seattle Times Site and the TCE originating from the Property, the discontinuous nature of the perched groundwater zone, the elevation change between the Property and the Seattle Times Site, the inferred northwesterly flow of perched groundwater due to local topography, and the lack of a defined transport mechanism.

3.3 CONTAMINANTS AND MEDIA OF CONCERN

Based on the findings of the RI for the Site, the contaminants of concern at the Site include PCE, TCE, cis-1,2-DCE, and VC in groundwater located beneath the western half of the Property; portions of the north-, west-, and south-adjoining ROWs; and the northern portion of the Seattle Times Site. The CVOCs in groundwater beneath the Site are confirmed to be present at concentrations requiring cleanup in accordance with the AO.

Previous investigations at the Site identified GRPH (as Stoddard solvent), DRPH, and ORPH as contaminants of concern. Petroleum hydrocarbons previously present in soil at the Site were removed during the 2014 to 2015 construction excavation (SoundEarth 2016), with the exception of a small area of inaccessible petroleum-contaminated soil along the northern sidewall along Harrison Street (approximately 10 feet east to west at an approximate elevation of 32 feet NAVD88).

GRPH, DRPH, and ORPH detected in groundwater samples are attributable to the presence of EOS and its polar breakdown products in groundwater. This conclusion is supported by the detection of petroleum hydrocarbons in groundwater samples being flagged by the laboratory as having a chromatographic pattern that did not match the fuel standard used for quantification. In addition, residual petroleum contamination at or outside the Property boundary is in the vadose zone in areas that are fully capped and contained. Therefore, the petroleum hydrocarbon source has been removed or contained, and petroleum hydrocarbons are no longer considered contaminants of concern for the Site. Any residual GRPH present in groundwater can be attributed to residual EOS given the fact that GRPH was not detected in groundwater prior to implementation of the treatment. An example of this condition is the sporadic presence of GRPH in groundwater at monitoring well MW21 (Table 4).

Soil on the Property identified as containing CVOCs at concentrations exceeding cleanup levels was removed during the remedial excavation conducted as part of the IRA, except for a small area of inaccessible CVOC-contaminated soil along the western Property boundary along Boren Avenue North (approximately 100 feet north to south at approximate elevations between 80 and 20 feet NAVD88). Soil is no longer a medium of concern for the Site because CVOC-contaminated soil was removed by mass excavation during redevelopment and residual contaminated soil was capped with the lowest level of the underground parking garage. Any residual CVOC soil contamination that may be present in the ROWs outside the boundaries of the Property is capped by hardscapes (e.g., buildings, concrete, asphalt pavement). Based on analytical results of sidewall soil samples and soil samples collected from soil borings advanced during the IRA, the soil contamination in the ROWs, if present, would only be encountered at depths greater than 15 feet bgs. In accordance with MTCA, a depth of 15 feet bgs is a reasonable estimate of the depth of soil that could be excavated and distributed at the soil surface in the ROWs under a construction scenario. Therefore, no human exposure via direct contact or other exposure pathways related to the soil will occur.

The results of SoundEarth's 2018 and 2019 vapor intrusion assessment demonstrated contaminants of concern were in compliance with applicable MTCA indoor air cleanup levels for indoor air (SoundEarth 2018, 2019). Therefore, the vapor intrusion pathway is incomplete and soil vapor and indoor air are not media of concern for the Troy building.

3.4 CONTAMINANT FATE AND TRANSPORT OF CHLORINATED SOLVENTS

This section includes a discussion of the transport mechanisms and environmental fate of chlorinated solvents in the subsurface.

3.4.1 Transport Mechanisms Affecting Distribution of Chlorinated Solvents in the Subsurface

Chlorinated solvents released to the environment are transported in groundwater in a dissolved phase and in partially saturated and unsaturated soil in a vapor phase. In groundwater, chlorinated solvents are transported through advection and dispersion and in the vapor phase by advection and diffusion.

The primary mechanism for transport of chlorinated solvents originating at the Property is advection and dispersion in groundwater. Transportation of chlorinated solvents in soil vapor at the Property has been eliminated because of the removal of source areas and has been confirmed by the vapor intrusion assessment performed at the Property (SoundEarth 2018, 2019).

PCE and its degradation products in groundwater at the Site have migrated in the direction of groundwater flow by advection and dispersion transport. Given the relatively flat groundwater gradient at the Site and the heterogenous texture of the primary regional water-bearing zone, particularly in the southern half of the Property and beneath the Thomas Street ROW, the footprint of the chlorinated solvent plume has been primarily confined to the Property, to portions of the Thomas Street and Boren Avenue North ROWs, and to the northern portion of the Seattle Times Site.

3.4.2 Environmental Fate of Chlorinated Solvents in the Subsurface

Once PCE enters the subsurface, chemical attenuation processes such as direct mineralization and reductive dechlorination may cause a natural reduction or breakdown of PCE into nontoxic components such as ethene, ethane, chloride, and carbon dioxide. Biological attenuation processes such as reductive dechlorination may also affect the reduction of PCE in soil and groundwater under conducive subsurface conditions. Degradation of CVOCs also occurs in groundwater as a result of advection and dispersion, sorption, volatilization, and dilution resulting from the exchange of uncontaminated groundwater for contaminated groundwater in the aquifer.

The transport of PCE and its degradation products is retarded in groundwater by adsorption on organic matter in the aquifer and heterogenous soil texture within the regional aquifer. The heterogeneous soil texture beneath the Thomas Street and Boren Avenue North ROWs inhibits the migration of CVOCs in groundwater. Furthermore, the relatively flat groundwater gradient at the Property reduces the downgradient migration of PCE and its degradation products.

An indication of ongoing reductive dechlorination of PCE is the presence of degradation compounds that include TCE, cis-1,2-DCE, trans-1,2-dichloroethene, and VC. The soil and groundwater analytical data for the Site indicate that concentrations of TCE and cis-1,2-DCE have been detected in the vadose zone, the discontinuous perched interval, and the primary regional water-bearing zone beneath the Site, which means that biological and natural attenuation processes are occurring. These findings are consistent with data generated from the borings and wells completed throughout the Site. The implemented groundwater treatment program has enhanced the attenuation of PCE and its degradation products occurring in groundwater beneath the Property and enhanced the degradation of the off-Property groundwater contamination migrating towards the Site.

3.4.3 Enhanced Reductive Dechlorination

The implementation of ERD at the Site enhanced the degradation of PCE and its degradation products by producing anaerobic conditions in groundwater. These conditions, compared to baseline conditions, are represented by low concentrations of dissolved oxygen, negative

oxidation-reduction potentials, an increase in the concentrations of fatty acids, a reduction of sulfate and ferric iron, and an increase in the concentrations of methane and ethene. As the EOS carbon substrate is depleted, the groundwater chemistry will revert to aerobic conditions that are more conducive to the intrinsic mineralization of low concentrations of VC in groundwater to nontoxic end products like ethene, carbon dioxide, water, and chloride. The literature indicates the first order decay rate of VC under aerobic conditions is 1.5 to 2 orders of magnitude greater than that under anaerobic degradation (US Geological Survey 2012).

Currently, groundwater geochemistry indicates anaerobic conditions are present on the Property, as does the continued degradation of cis-1,2-DCE to VC. Off-property concentrations of TCE in the ROWs remain relatively stable as a result of the aerobic condition of the groundwater, which has also promoted the aerobic degradation of cis-1,2-DCE and VC in groundwater beneath the ROWs. Given the high solubility and greater volatility of VC compared PCE, TCE, and cis-1,2-DCE, the absence of VC is the preferred condition for the protection of human health and the environment.

3.5 EXPOSURE PATHWAYS AND POTENTIAL RECEPTORS

This section discusses the confirmed and potential human health and ecological exposure pathways at the Site with the goals of: (1) identifying those pathways requiring remediation to reduce or eliminate risks to human health or the environment; and (2) applying the findings to the development of feasible remedial technologies. Pathways associated with each media of potential concern are described below.

3.5.1 Exposure Pathways: Soil

The IRA and subsequent redevelopment of the Property eliminated soil as a medium of concern at the Site. At a few locations on the western and northern Property boundaries, one or more CVOCs were detected at concentrations slightly exceeding applicable cleanup levels. However, the mechanisms for exposure to COCs in the soil have been eliminated.

- **Direct Contact Pathway:** The direct contact/ingestion pathway for soil is not complete because the mass excavation during the IRA removed the majority of contaminated soil. The remaining soil on the Property was capped with five levels of underground parking and adjacent ROWs are capped with hardscapes (e.g., concrete and asphalt pavement).
- **Inhalation Pathway:** The inhalation pathway is not complete because residual CVOC concentrations in soil were mitigated by engineering controls, including a vapor barrier beneath the lowest level of the underground parking garage and a continuously operating HVAC system in the parking garage. The vapor intrusion assessment conducted at the Property confirmed that the inhalation pathway for soil is not complete.
- **Soil to Groundwater Leaching Pathway:** The soil to groundwater leaching pathway is not complete. The pathway was eliminated by mass removal of the soil during redevelopment and the capping of the soil with the underground parking garage. The paved hardscapes in the ROWs have minimized the potential for infiltration of surface water into the soil underlying the Site.

Soil samples collected from borings advanced in the ROWs adjacent to the Property either do not contain COCs at concentrations above applicable soil cleanup levels or contain contaminated soil at a depth greater than 15 feet bgs (mainly in the primary regional water-bearing zone). Per WAC 173-

340-740(6)(d), a depth of 15 feet bgs is a reasonable estimate of the depth of soil that could be excavated and disturbed in the ROWs under a construction scenario.

3.5.2 Exposure Pathways: Groundwater

The IRA and subsequent redevelopment of the Property eliminated exposure to potentially contaminated shallow perched groundwater and deep groundwater in the primary regional water-bearing zone. Perched groundwater on the Property was removed during the mass removal of soil during redevelopment. Perched groundwater containing CVOCs has not been identified in any areas outside the boundaries of the Property.

The primary regional water-bearing zone at the Site contains one or more CVOCs at concentrations exceeding the cleanup levels presented in the AO. However, the mechanisms for exposure to CVOCs in groundwater at the Site have been eliminated:

- **Direct Contact Pathway**: The direct contact pathway for groundwater is not complete because groundwater containing CVOCs in the primary regional water-bearing zone occurs at depths of at least 60 to 80 feet bgs. Any direct contact with groundwater during groundwater sampling events will be mitigated using personal protective equipment. Future institutional controls will prohibit beneficial use of or access to groundwater at the Site.
- **Inhalation Pathway**: The inhalation pathway at the Property is not complete because of the underground parking garage cap, the presence of a vapor barrier beneath the lowest parking level, and a continuously operating HVAC system in the parking garage. The inhalation pathway in the ROW is not complete for roadway excavation workers because the CVOC concentrations detected in groundwater samples collected from the ROWs do not exceed the proposed groundwater RLs for roadway excavation workers for the inhalation pathway. The proposed RLs for roadway excavation workers are presented in Table 5-2.
- There is no inhalation pathway for the Seattle Times Site because the concentration of CVOCs, except for TCE, in groundwater beneath the Seattle Times Site do not exceed the proposed groundwater commercial RLs for the inhalation pathway. In the second quarter of 2022, TCE was detected at a concentration exceeding the proposed groundwater RL for a commercial worker in a sample collected from monitoring well MW29 (decommissioned in July 2022). In 2023, PCE, TCE, and cis-1,2-DCE were not detected at concentrations exceeding the proposed RL for a commercial worker in a sample collected from monitoring well MW29R. The new building design for the Seattle Times Site includes five levels of underground parking and a sub-slab vapor barrier that covers the footprint of the building. These engineering controls will further eliminate the inhalation pathway on the Seattle Times Site. The proposed RLs for a commercial worker are presented in Table 5-2.
- **Ingestion Pathway**: The ingestion pathway for groundwater is not complete for the Site because groundwater at the Site is not a source of drinking water. Further, groundwater at the Site will never be used for a drinking water supply, as outlined in Section 3.8, Regional Aquifer Determination. In addition, an environmental convent will be placed on the Seattle Times Site following completion of remedial activities.

3.5.3 Exposure Pathway: Soil Vapor

The IRA and subsequent redevelopment of the Property eliminated contaminated soil and groundwater vapor as media of concern at the Property. In March 2018 and February 2019, SoundEarth conducted a soil vapor intrusion assessment and supplemental vapor intrusion assessment for air in the on-Property building and for ambient outdoor air (SoundEarth 2018, 2019). The results of the indoor and outdoor air sampling demonstrated that contaminants of concern complied with indoor air cleanup levels. In a letter dated July 8, 2019, Ecology confirmed that no further assessment of indoor air quality at the Troy building is required based on the results of the vapor intrusion assessments (Ecology 2019).

3.6 TERRESTRIAL ECOLOGICAL EVALUATION

A TEE is required by WAC 173-340-7940 at locations where a release of a hazardous substance to soil has occurred. The TEE is intended to assess potential risk to plants and animals that live entirely or primarily on affected land. The TEE takes into account the Site area, Site land use, Site habitat quality, likelihood that the Site will attract wildlife, and CVOCSs occurring in Site soil.

The Site qualifies for a TEE exclusion per WAC 173-340-7491(1)(a)(b) on the basis that soil contamination occurs at a depth of at least 15 feet bgs and is covered by physical barriers that prevent exposure to plants and wildlife (Appendix D of the Final RI Report [SoundEarth 2020]). No further consideration of ecological impacts is required under MTCA.

3.7 CSM SUMMARY

The nature and extent of the CVOC plume originating from the Property has been fully delineated. Analysis of CVOC concentrations in groundwater identified beneath the Boren Avenue North and Harrison Street ROWs, located upgradient of the Property, and in shallow perched soil and groundwater on the south-adjacent Seattle Times Site, indicate that these impacts are not related to a source originating from the Property. However, as shown on Figure 34, the portion of the Boren Avenue North and Harrison Street ROWs in the vicinity of monitoring wells MW04, MW07, MW26, and MW27 has been identified as an area where potential commingling of CVOC impacts originating from the Property and TCE impacts originating upgradient or cross-gradient of the Property has occurred.

As shown on Figure 34, as of the fourth quarter of 2024, the CVOC plume originating from the Property has migrated west beneath the Boren Avenue North ROW, south-southeast beneath Thomas Street ROWs, and south beneath the northwestern portion of the Seattle Times Site. On the Property, the cross-gradient eastern extent of the CVOC plume is bounded by monitoring wells MW17 and MW20 and injection well IW91. West of the Property, in the Boren Avenue North ROW, the Troy CVOC plume is bounded monitoring wells MW04, MW07, MW13, and MW27. At monitoring wells MW04, MW07, and MW27, the CVOC plume is comingled with TCE originating from a yet unknown upgradient source area. The downgradient southern extent of the CVOC plume is bounded by monitoring well MW35 located on the northwestern portion of the Seattle Times Site.

The IRA, engineering controls, and natural attenuation processes have eliminated the direct contact, ingestion, and inhalation pathways at the Site. Long-term groundwater monitoring will continue to ensure that residual contamination in groundwater at the Site does not pose a threat to human health or the environment.

3.8 REGIONAL AQUIFER DETERMINATION

The regional aquifer beneath the Site is not considered a current or future source of drinking water under Section 12.32.10 (A) of Title 12 of the King County Board of Health; the King County Coordinated Water Supply Plan; and Chapter 70.116 of the Revised Code of Washington (RCW 70.116). Further, the regional aquifer is not considered a drinking water source by the City of Seattle.

The lines of evidence to support these conclusions are summarized below, followed by a discussion of applicable or relevant and appropriate requirements (ARARs) in Section 4.0 that restrict the domestic use of groundwater in the South Lake Union neighborhood where the Site is located.

3.8.1 Site-Specific Considerations

The main conditions considered for the determination that groundwater beneath the Site is not and will not be used for domestic consumption are presented below.

- **Site Groundwater as a Drinking Water Source.** The groundwater at the Site does not serve as a current source of drinking water. A total of 70 percent of the drinking water for the City of Seattle is sourced from the municipal Cedar River and South Fork Tolt River watersheds located in King County. Chester Morse Lake, located in the upper region of the Cedar River, supplies the remaining 30 percent of drinking water to the City of Seattle. The City of Seattle municipal water supplies serve more than 1.4 million people in the Puget Sound area and will do so for the foreseeable future. Regulations exist that prohibit the installation of domestic drinking water wells in the City of Seattle (see below).
- **Location of Drinking Water Supplies for the City of Seattle.** Ecology's website currently indicates that there are no drinking water supply wells within 1 mile of the Site (Ecology 2023). The nearest public water supply wells are located approximately 20 miles south of the Site and are operated by the City of Seattle during the summer only. These wells are too distant to have influence on groundwater beneath the Site or in the South Lake Union neighborhood. Furthermore, the public water supply wells are screened in a different geological formation as the Highline Intermediate and Deep Aquifers. The uppermost aquifer in the well field is Vashon Stade Advanced Outwash (Qva) and occurs approximately 250 to 400 feet above mean sea level (approximately NAVD88 246 to 396 feet).

  The following additional rules and regulations are in place that prohibit the use of groundwater for domestic consumption at the Site and in the South Lake Union neighborhood:

  - **Section 12.32.10 (A) of Title 12 of the King County Board of Health:** Users of water at the Site and throughout the City of Seattle are required to connect to an existing public water supply system under Section 12.32 (1a, b, and c) (2)(3).
  - **WAC 246-290 and 246-291, Public Water Systems:** Domestic water is supplied to the Site and the South Lake Union neighborhood by an Ecology-approved Group A Water Supply System managed by the City of Seattle.
  - **King County Coordinated Water Supply Plan (RCW 70.116):** Regional groundwater beneath the Site and the South Lake Union neighborhood is

not part of an approved Coordinated Water Supply System Plan in King County. Therefore, the neighborhood's groundwater is not considered a critical water supply by the county.

- **WAC 173-160, Well Construction Standards:** Domestic drinking water wells cannot be located within a certain minimum distance of known potential sources of contamination such as hazardous waste sites like those present in the South Lake Union neighborhood (WAC 173-360-171[3][a][iv]).

3.8.2 Criteria for Not Designating Site Groundwater as a Source of Drinking Water

The regional aquifer does not serve as a current and will not serve as a future source of drinking water. Specifically:

- There are no known uses of groundwater from the regional aquifer beneath the Site and the South Lake Union neighborhood for drinking water purposes.
- The City of Seattle's municipal watershed system is located well outside the city limits and will continue to be so for the foreseeable future. The nearest domestic water supply wells are located 20 miles south of the Site.
- The regional aquifer beneath the Site is hydraulically connected to Elliott Bay, which is a saline surface water body that is not suitable as a source of domestic water.
- There are no drinking water wells located in the vicinity of the Site or that are hydraulically connected to the Site.

4.0 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

Under WAC 173-340-351 and 173-340-710, other applicable laws (ARARs) include regulatory cleanup standards, standards of control, and other environmental requirements, criteria, or limitations established under state or federal law that specifically address a contaminant, remedial action, location, or other circumstances at a site. Remedial actions conducted under MTCA must comply with the substantive requirements of the ARARs but are exempt from their procedural requirements (WAC 173-340-710[9]).This exemption applies to state and local permitting requirements under the Washington State Water Pollution Control Act, Solid Waste Management Act, Hazardous Waste Management Act, Clean Air Act, State Fisheries Code, and Shoreline Management Act.

ARARS were screened to assess their applicability to the Site. Table 4-1 summarizes the preliminary ARARs for the Site.

Table 4-1: Preliminary ARARs for the Site

Preliminary ARAR	Citation or Source
MTCA Statute	RCW 70A.305
MTCA Cleanup Statute and Regulation	WAC 173-340
State Group A Public Water Supplies	WAC 246-290
Ecology, Toxics Cleanup Program (Guidance to Be Considered)	*Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action*, Review DRAFT, October 2009, Publication No. 09-09-047

Preliminary ARAR	Citation or Source
State Environmental Policy Act	RCW 43.21C
State Uniform Environmental Covenants Act	RCW 64.70
King County Board of Health	Title 12, Section 12.32.10 (A)
Federal Clean Water Act	33 United States Code (USC) 1251 et seq.
State Water Pollution Control Act	RCW 90.48
Comprehensive Environmental Response, Compensation, and Liability Act of 1980	42 USC 9601 et seq. and Part 300 of Title 40 of the Code of Federal Regulations (40 CFR 300)
The Fish and Wildlife Coordination Act	16 USC 661-667e; the Act of March 10, 1934; Ch. 55; 48 Stat. 401
Endangered Species Act	16 USC 1531 et seq.; 50 CFR 17, 225, and 402
Native American Graves Protection and Repatriation Act	25 USC 3001 through 3013; 43 CFR 10 and Washington's Indian Graves and Records Law (RCW 27.44)
Archaeological Resources Protection Act	16 USC 470aa et seq.; 43 CFR 7
Washington Dangerous Waste Regulations	WAC 173-303
Solid Waste Management Act	WAC 173-304 and 173-351
Indian Graves and Records	RCW 27.53
Human Remains	RCW 68.50
Abandoned and Historic Cemeteries and Graves	RCW 68.60
Occupational Safety and Health Administration Regulations	29 CFR 1910 and 1926
Washington Department of Labor and Industries Regulations	WAC 296
Water Quality Standards for Ground Water	WAC 173-200
Department of Transportation Hazardous Materials Regulations	40 CFR 100 through 185
Washington State Water Well Construction Act	WAC 173-160
City of Seattle regulations, codes, and standards	All applicable or relevant and appropriate regulations, codes, and standards
King County regulations, codes, and standards	All applicable or relevant and appropriate regulations, codes, and standards

5.0 CLEANUP STANDARDS FOR THE SITE

The selected cleanup standards for the Site must comply with the MTCA cleanup regulations specified in WAC 173-340, applicable state and federal laws, and the remedial action objectives (RAOs) as presented in Section 5.1, Remedial Action Objectives.

5.1 CLEANUP LEVELS

5.1.1 Groundwater Cleanup and Remediation Levels

Cleanup levels are based on the protection of human health and the environment from all applicable exposure pathways and receptors, considering the most beneficial use of groundwater in the regional aquifer beneath the Site. The proposed groundwater RLs are based on the

protection of the inhalation pathway for commercial workers at the Property and for roadway excavation workers in the ROWs.

The following pathways were considered for the establishment of groundwater cleanup levels and proposed RLs at the Site:

- **Protection of drinking water.** The default assumption under MTCA is that the most beneficial use of groundwater is for human consumption. Groundwater in the regional aquifer beneath the Site is not currently and is unlikely to become a source of drinking water for the City of Seattle based on previous discussion in Section 3.8. Because there is no ingestion pathway for groundwater beneath the Site, groundwater cleanup levels under WAC 173-340-720(3) and (4) for this exposure pathway are not applicable.
- **Protection of indoor air**. A vapor intrusion assessment was conducted at the Property in 2018 and 2019. Results of that assessment indicated that CVOCs and petroleum hydrocarbons were detected at concentrations below MTCA residential indoor air cleanup levels and indoor RLs for commercial workers in indoor air (SoundEarth 2018, 2019). In addition, CVOCs were detected at concentrations below the proposed RLs in groundwater samples collected from the ROWs, which is protective of the inhalation pathway for roadway excavation workers in the ROWs. Based on a review of the indoor air results, Ecology has confirmed that the analytical results demonstrated the contaminants of concern complied with MTCA and that no further assessments are necessary (Ecology 2019).
- **Protection of surface water resources**. Although the regional aquifer flows toward Elliott Bay, the southern boundary of the CVOC groundwater plume is defined by monitoring well MW35 located on the northwestern portion of the Seattle Times Site (Figure 34). Therefore, surface water resources are protected for human health (via the consumption of aquatic organisms) and ecological receptors.
- **Protection of sediment quality.** Given the stability of the CVOC plume at the Site and the Site's distance from Elliott Bay, CVOC-contaminated groundwater originating at the Site would not impact sediment quality. Also, CVOCs are not regulated under the Sediment Management Standards (WAC 173-204) due to chemical properties that prevent CVOCs from partitioning into sediments.

5.1.2 Potential Promulgated Standard for the Site

Because groundwater beneath the Site will not be used for domestic consumption and the overall footprint of the CVOC groundwater plume is stable, the following ARARs were used to identify concentrations that may serve as groundwater cleanup levels for the Site:

- Surface Water Cleanup Standards, MTCA: WAC 173-730(3)
- Washington State Surface Water Quality Standards: WAC 173-201A
- Washington State Group A Public Water Supplies: WAC 246-290
- MTCA Regulation: WAC 173-340-355
- MTCA Regulation: WAC 173-340-720 (3)(4)

- National Toxics Rule: 40 CFR 13
- Federal Clean Water Act Regulation 304

5.1.3 Groundwater Cleanup and Proposed Remediation Levels

Because groundwater is the only media of concern at the Site, groundwater cleanup levels and proposed RLs have been established to demonstrate that contaminants of concern comply with MTCA cleanup standards. The groundwater cleanup levels and proposed RLs are presented in Tables 5-1 and 5-2, respectively.

Groundwater cleanup levels will be applied to CVOCs at the conditional point of compliance (CPOC) for the Site, as discussed in Section 5.2. The proposed groundwater RLs will apply to commercial workers at the Property and roadway excavation workers in the ROWs, respectively. The proposed groundwater RLs are based on the protection of the inhalation pathway. Groundwater cleanup levels and proposed RLs for the Site are as follows:

Table 5-1: Groundwater Cleanup Levels

Contaminant of Concern	Cleanup Level (µg/L)	Regulations
PCE	5	MTCA Method A, WAC 173-340-720 and table values in Cleanup Levels and Risk Calculation (CLARC)
TCE	5	
cis-1,2-DCE	16	MTCA Methods A and B, WAC 173-340-720 and table values in CLARC
VC	0.2	

Table 5-2: Proposed Groundwater RLs

Contaminant of Concern	Commercial Worker Groundwater RLs at the Property (µg/L)	Roadway Excavation Worker Groundwater RLs in the ROWs (µg/L)	Regulations
PCE	120	760	Table values in CLARC, Ecology's *Guidance for Evaluating Vapor Intrusion in Washington State: Investigation and Remedial Action* dated 2009, revised 2022 (Ecology 2009), and Ecology's South Lake Union Group Memorandum (Ecology 2022a)
TCE	12	40	
cis-1,2-DCE	1,600	10,000	
VC	1.6	9.9	

5.2 POINT OF COMPLIANCE

The point of compliance is the location where the cleanup levels that are set in accordance with WAC 173-340 will be measured and cannot be exceeded. Once the cleanup levels have been attained at the defined points of compliance, the impacts present beneath the Site will no longer be considered a threat to human health or the environment.

The standard point of compliance for groundwater under MTCA is "throughout the site from the uppermost level of the saturated zone extending vertically to the lowest depth which could potentially be affected by the site" (WAC 173-340-720 [8]). However, per MTCA (WAC 173-340-720[8]), where it can be

demonstrated that it is not practicable to meet the cleanup levels throughout the Site in a reasonable restoration time frame, and/or it is not technically possible to design, construct, and implement a reliable and cost-effective remedy to clean up the entire Site, a CPOC may be approved by Ecology.

For the Site, a CPOC is warranted because it is not practicable to meet the cleanup levels throughout the Site because there is an ongoing upgradient source of TCE commingling with the CVOC plume originating from the Property. This source of TCE will continue to impact groundwater quality beneath the Boren Avenue North and Harrison Street ROWs and the Property for the foreseeable future.

The CPOCs for the Site will be established at the following monitoring wells:

- MW04, MW07, and MW27
- MW26
- MW28
- MW29R and MW35

Compliance groundwater monitoring and sampling for the Site will be performed at monitoring wells where CVOCs were detected at concentrations exceeding groundwater cleanup levels). The groundwater compliance monitoring and sampling well network will include:

- MW18, MW19, MW21, MW22, MW23, MW24, MW25, IW04, IW50, and IW61 on the Property
- MW04, MW07, MW13, and MW27 in the Boren Avenue North ROW
- MW26 in the Harrison Street ROW
- MW28 in the Thomas Street ROW
- MW29R and MW35 on the Former Seattle Times Site (see Appendix A for monitoring well construction logs)

Groundwater monitoring events will be performed semiannually for the first 2 years (2024 and 2025). If the plume under the Troy Laundry building, the ROWs, and Former Seattle Time Site is stable or decreasing based on statistical trend analyses, the frequency of monitoring may be reduced to annual (alternating between June [second quarter] and December [fourth quarter]) for the third, fourth, fifth, sixth, and seventh years. Long-term groundwater monitoring and sampling and statistical evaluation will be performed in consultation with Ecology.

Regulatory compliance with MTCA groundwater cleanup standards at the Site will be achieved when CVOCs are detected at concentrations below cleanup levels (Table 5-1) in groundwater samples collected from the CPOCs wells (MW04, MW07, MW26, MW27, MW28, MW29R, and MW35) for four consecutive groundwater monitoring events. At that time, SoundEarth will consult with Ecology regarding the necessity for ongoing compliance groundwater monitoring and sampling as part of the periodic review process. Groundwater compliance for protection of the inhalation pathway for commercial workers at the Property and the roadway excavation workers in the ROWs is achieved when CVOCs are detected at concentrations below the proposed RLs in samples collected during four consecutive groundwater monitoring events (Table 5-2).

As of the second and fourth quarters of 2023, VC was detected at concentrations exceeding the proposed commercial worker RL in select groundwater monitoring wells located on the Property. However, results of SoundEarth's 2018 and 2019 vapor intrusion assessment have demonstrated that contaminants of concern are in compliance with applicable MTCA indoor air cleanup levels for indoor air (SoundEarth 2018, 2019). CVOCs have not been detected at concentrations exceeding the proposed roadway excavation worker RL since implementation of the IRA.

5.3 ENVIRONMENTAL JUSTICE

SoundEarth conducted an evaluation of potential impacts to likely vulnerable populations and overburdened communities in the vicinity of the Site in accordance with Ecology's *Implementation Memorandum No. 25: Identifying Likely Vulnerable Populations and Overburdened Communities under the Cleanup Regulations* dated January 2024 (Memorandum No. 25). The purpose of this evaluation is to identify and reduce the impact of environmental and health disparities in Washington State, to improve the health of Washington State residents, and to support Ecology's determinations regarding site prioritization, cleanup decisions, and site hazard rankings.

In accordance with Memorandum No. 25, potentially exposed populations are likely to include vulnerable populations or overburdened communities if the population meets any of the following criteria:

- The potentially exposed population is located in a census tract that ranks a 9 or 10 on the Environmental Health Disparities Index from the Washington State Department of Health's Environmental Health Disparities Map (EHD Map).
- The potentially exposed population is located in a census tract that is at or above the 80th Washington State percentile of the Demographic Index from the EPA's Environmental Justice Screening and Mapping Tool (EJ Screening Tool); or
- The potentially exposed population is located in a census tract that is at or above the 80th Washington State percentile of the Supplemental Demographic Index from the EJ Screening Tool.

SoundEarth used the EPA EJ Screening Tool and the Washington State Department of Health Environmental Health Disparities Map (WA DOH Map) to evaluate whether vulnerable populations are present in the vicinity of the Site. The EJ Screening Tool considers 13 environmental justice indexes and supplemental indexes reflecting 13 environmental indicators. According to the EPA guidance regarding use of the EJ Screening Tool, areas with index scores exceeding the 80th percentile nationally should be considered as potential candidates for further review, including considering other factors and sources of information such as health-based information, local knowledge, proximity and exposure to environmental hazards, susceptible populations, unique exposure pathways, or other environmental and socioeconomic information. SoundEarth used the EJ Screening Tool to evaluate the census track containing the Site and surrounding area (census track 73.03), which comprise a portion of the census tracts evaluated by the WA DOH Map and represent a total population of approximately 1,240 residents.

Results from the EJ Screening Tool for communities in the vicinity of the Site indicate that environmental justice index scores exceeded the 80th percentile nationally for only 1 of the 13 indexes, identified as Air Toxics Cancer Risk. Environmental justice indexes exceeded the statewide 80th percentile for 8 of the 13 indexes, including diesel particulate matter, air toxics risks, traffic proximity, proximity to Superfund sites, proximity to hazardous waste facilities, and proximity to UST facilities.

The EJ Screening Tool also includes seven socioeconomic indicators for factors including demographics, income, employment, language barriers, education, and age. These indicators provide additional information on whether a community may be more vulnerable to environmental impacts. The EJ Screening Tool socioeconomic indicator scores for the communities in the vicinity of the Site were generally consistent with or less than indicator scores for the City of Seattle as a whole, indicating that communities proximate to the Site are not more vulnerable to environmental harms due to socioeconomic factors.

The WA DOH Map is an interactive mapping tool that compares communities across the state for environmental health disparities. It shows pollution assessments such as diesel emissions and ozone, proximity to hazardous waste sites, and measures like poverty and cardiovascular disease. The WA DOH Map was used to evaluate census track 73.03 comprising the Site and surrounding area. Results from the WA DOH Map indicate that census tracts comprising the Site and surrounding area are ranked 8 out of 10 and 9 out of 10 for potential environmental health disparities, evaluated based on environmental exposures, environmental effects, socioeconomic factors, and sensitive populations. However, the WA DOH Map indicates that the same census tract scores 5 out of 10 for environmental risk due to socioeconomic factors, indicating that communities in the vicinity of the Site generally are at low to moderate risk of environmental harms due to factors such as education, income, housing costs, unemployment, and transportation expenses.

Based on the above analysis, the Site is in proximity to vulnerable populations and overburdened communities. However, these results are generally consistent with the results for the City of Seattle as a whole, indicating that the potentially exposed populations proximate to the Site generally are not more vulnerable or overburdened than other populations in the City of Seattle. Significantly, the highest index scores for potentially exposed populations proximate to the Site are attributable to emissions from heavy vehicle traffic due to the location of the Site in a highly developed urban area proximate to major roadways.

Based on the results from the EJ Screening Tool evaluation, review of the WA DOH Map, and the location of the Site in a highly developed area in the City of Seattle, further evaluation of the impact of the Site on environmental justice factors is not warranted. Although the threshold determination does not indicate that vulnerable populations or overburdened communities were impacted by the Site contamination, redevelopment and cleanup activities at the Site have protected human health and the environment and eliminated the potential exposure of hazardous substances attributed to the Site to all human receptors, including vulnerable populations and overburdened communities.

5.4 CLIMATE CHANGE

In accordance with WAC 173-340-350(6)(f), SoundEarth evaluated current and projected local and regional climatological characteristics to determine whether these characteristics could affect the migration of hazardous substances or the resilience of cleanup action alternatives for the Site. According to Ecology's Sustainable Remediation: Climate Change Resiliency and Green Remediation dated November 2017, revised January 2023 (Ecology 2017; Ecology Climate Guidance), sea level rise, flooding, extreme precipitation, wildfires, landslides and erosion, and drought are the climate-related impacts that generally pose the highest potential risk for upland cleanup sites. Based on this evaluation and the location of the Site in a highly developed area in Seattle, current and projected local and regional climatological characteristics are not anticipated to affect the migration of hazardous substances or the resilience of cleanup action alternatives at the Site. A summary of this evaluation is presented in the following sections.

5.5 SEA LEVEL RISE

The Site is located at an elevation of approximately 80 feet NAVD88 and approximately 1,500 south of Lake Union. The Lake has an elevation of approximately 30 feet NAV88. According to the Ecology Climate Guidance, high projections estimate up to 4 feet of sea level rise by the year 2100. The water level of Lake Union is controlled at an elevation of approximately 20 to 22 feet above sea level, and the high projections for sea level rise would remain less than the height of the dam that regulates the water level of Lake Union. Sea level rise likely would not affect the surface elevation of Lake Union and as a result is not likely to affect the migration of hazardous substances or the resilience of cleanup action alternatives at the Site.

5.6 FLOODING

SoundEarth reviewed Federal Emergency Management Agency flood maps for the area in the vicinity of the Site, which indicated that the Site is in an area of minimal flood hazard. As described above, sea level rise is not anticipated to affect the Site, and inundation due to sea level rise is not a concern. In addition, the water level of Lake Union is maintained at a consistent elevation by a dam and spillway and is unlikely to cause flooding in the surrounding area. The completed redevelopment of the Site consists of a building that covers almost the entire ground surface. Based on these conditions, flooding is not likely to affect the migration of hazardous substances or the resilience of cleanup action alternatives at the Site.

5.7 WILDFIRES

The Ecology Climate Guidance indicates there is an increased risk of wildfires which is a potential climate related hazard in areas proximate to forests or grasslands. Due to the location of the Site in a highly developed area of Seattle, the risk of wildfires is unlikely.

5.8 LANDSLIDE AND EROSION

The Site is located in a relatively flat and highly developed area of Seattle, with minimal exposed ground surface that could create a landslide or erosion hazard. Due to the flat and highly developed nature of South Lake Union and much of the ground surface in the vicinity of the Site, there is an extremely low risk of landslides and erosion.

6.0 TECHNICAL ELEMENTS

RAOs are used to define the technical elements of the technology screening and to select remedial alternatives for detailed evaluation of remedial alternatives for the Site. The technical elements address ARARs, contaminants of concern, media of concern, and cleanup standards applicable to the Site.

6.1 REMEDIAL ACTION OBJECTIVES

RAOs are statements of the goals that a remedial alternative should achieve to be retained for further consideration as part of the FS. The purpose of establishing RAOs for a site is to provide remedial alternatives that protect human health and the environment (WAC 173-340-351). In addition, RAOs are designed to:

- Implement administrative principles for cleanup (WAC 173-340-130).
- Meet the requirements, procedures, and expectations for conducting an FS and developing cleanup action alternatives, as discussed in WAC 173-340-351 through 173-340-370.
- Develop cleanup levels (WAC 173-340-700 through 173-340-760) and remedial alternatives that are protective of human health and the environment.

RAOs must address the following threshold requirements from WAC 173-340:

- Protect human health and the environment.
- Comply with cleanup levels.
- Comply with applicable state and federal laws.
- Provide for compliance monitoring.

7.0 FEASIBILITY STUDY

The purpose of this FS is to develop and evaluate cleanup action alternatives to facilitate selection of the final cleanup action at the Site in accordance with WAC 173-340-351. This FS includes screening of potentially feasible remedial technologies and development of cleanup action alternatives intended to achieve the objectives described in Section 6.1, Remedial Action Objectives. The cleanup action alternatives are evaluated with respect to threshold and other requirements for cleanup actions set forth under MTCA.

This FS evaluates the cleanup action alternatives and identifies those that are not effective, not technically possible, or whose costs are disproportionate under the provisions of WAC 173-340-360(5). The FS also provides the basis for identifying a preferred cleanup action alternative. Details regarding the implementation of the selected cleanup action alternative for the Site will be documented in a Cleanup Action Plan.

7.1 EXPECTATIONS FOR CHLORINATED SOLVENT CLEANUP SITES

Following completion of the IRA, the cleanup of the Site involves remediation of residual CVOCs in groundwater. Full restoration is often not possible at sites with CVOC contamination in groundwater due to many factors, including depth of the contamination, varying hydraulic conditions, persistence in low permeability layers, and limitations of remedial technologies (Kavanaugh, Michael C. and Rao P. Suresh C. 2003; Interstate Technology & Regulatory Council 2002). As early as 1993, the US Environmental Protection Agency (EPA) recognized the difficulty of degradation of residual concentrations of cis-1,2-DCE and VC after implementation of ERD technologies (e.g., establishment of conducive geochemical conditions and presence of *Dehalococcoides* genus [DHC] bacteria to promote complete reductive dechlorination). In these circumstances, further degradation of residual concentrations of cis-1,2-DCE and VC becomes technically impracticable, and existing technologies are unable to achieve full compliance with applicable cleanup standards within a reasonable restoration time frame (EPA 1993).

7.2 IDENTIFICATION AND EVALUATION OF TECHNOLOGIES

Remedial components (technologies) were evaluated with respect to the degree to which they comply with the cleanup requirements set forth in MTCA. A cleanup action alternative must satisfy all the minimum threshold requirements for RAOs, as outlined in Section 5.1. WAC 173 340-360 (3) also requires the cleanup action alternative to:

- Use permanent solutions to the maximum extent practicable.
- Provide for a reasonable restoration time frame.
- Consider public concerns on the proposed cleanup action alternative.

Using the above criteria, remedial technologies were evaluated and screened for effectiveness, ability to implement, and relative cost. SoundEarth produced a short list of these remedial technologies for further

inclusion in the development of cleanup action alternatives. Table 11 summarizes the remedial component screening process.

The remedial technologies that passed the screening process include the following:

- **Reductive Dechlorination (Anaerobic Bioremediation).** Reductive dechlorination is a proven remedial technology for CVOCs. The fermentation of edible oil by indigenous microorganisms injected into the groundwater produces a rapid and significant reduction in dissolved oxygen concentrations in the saturated zone resulting in anaerobic conditions (i.e., negative oxidation-reduction potential). The anaerobic zone extends beyond the injection radius of influence of the edible oil itself and enhances attenuation of contaminants both upgradient and cross-gradient of the active treatment zone. The edible oil serves as a permeable reactive barrier, which reduces the flux of the contaminant mass downgradient of the active treatment zone. Reductive dechlorination is a biotic process completed by anaerobic bacteria. Complete dechlorination of PCE produces nontoxic chloride, ethene, and ethane gas.
- **Powdered Activated Carbon.** Due to its high ratio of surface area to volume, PAC adsorbs to and immobilizes CVOC molecules that come into contact with it. This adsorption reduces contaminant concentrations in groundwater through a mass transfer process.
- **Monitored Natural Attenuation.** Contaminants released to the environment at concentrations that pose risks to human health or the environment are subject to natural attenuation processes such as advection and dispersion, volatilization, diffusion, and biotic and abiotic reactions. These naturally occurring attenuation processes are distinguished from an engineered remedy employed to increase the rate of remediation above the rate observed through the "natural" processes. Natural attenuation is the most cost-effective means for achieving cleanup levels as long as there is no threat to human health or the environment presented by the contamination while it attenuates.

  MNA refers to the methods used to evaluate whether natural attenuation processes are effectively remediating a contaminant plume, and if so, at what rate. To be consistent with the expectations for natural attenuation as provided under MTCA, MNA is generally retained as a complimentary remedial component to other engineered remedial components rather than as a stand-alone or sole remedial component. However, MNA can be considered a stand-alone remedial measure if site conditions conform to the expectations listed in WAC 173-340-370(7), as follows:

  - Source control (including removal and/or treatment of hazardous substances) has been conducted to the maximum extent practicable.
  - Leaving contaminants in place during the restoration time frame does not pose an unacceptable threat to human health or the environment.
  - There is evidence that natural biodegradation or chemical degradation is occurring and will continue to occur within a reasonable time frame.
  - Appropriate monitoring requirements are conducted to ensure that the natural attenuation process is taking place and that human health and the environment are protected.
- **Air Sparge with Soil Vapor Extraction.** Air sparge (AS) combined with soil vapor extraction (SVE; collectively, AS/SVE) is a proven technology for the remediation of CVOCs in groundwater. AS delivers compressed air to the saturated zone to enhance aerobic

bioremediation using increased oxygen levels and strip volatile compounds from the water. SVE induces a pressure and concentration gradient in the subsurface that causes volatile compounds to desorb from the soil and flow with the vapor stream to a common collection point for discharge or treatment. SVE also collects the stripped compounds from the AS process.

- **Environmental Covenant.** If residual groundwater contamination remains on the Site after the cleanup action is implemented, an environmental covenant (EC) would be recorded to ensure there is no direct contact with contaminated groundwater under alternative land use scenarios.

7.3 DEVELOPMENT OF CLEANUP ACTION ALTERNATIVES AND DESCRIPTIONS

The evaluation of remedial alternatives considered the practicable remedial components confirmed to be effective at treating CVOCs in groundwater. SoundEarth also considered whether Site-specific constraints would preclude application of a remediation technology due to the creation of a greater risk to human health and/or the environment or that such constraints could result in the remedial technology being technically or administratively infeasible to implement.

The four cleanup action alternatives that were retained for additional consideration, which are described in more detail in the following subsections, are as follows:

- Cleanup Action Alternative 1, MNA and EC
- Cleanup Action Alternative 2, In Situ Reductive Dechlorination and EC with MNA
- Cleanup Action Alternative 3, In Situ PAC Adsorption and EC with MNA

7.3.1 Common Components and Basic Assumptions

The following assumptions are common to all of the cleanup action alternatives:

- As of the fourth quarter of 2023, PCE and TCE were not detected at concentrations exceeding the laboratory reporting limit or cleanup levels in groundwater beneath the Property, except for PCE in injection well IW50 and TCE in monitoring well MW25 in one monitoring event. cis-1,2-DCE and/or VC were detected at concentrations exceeding the cleanup level in groundwater monitoring wells MW18, MW19, MW21, MW22, MW24, and MW25 and injection wells IW04, IW50, and IW61, all of which are located on the Property.

  The geochemical condition of groundwater beneath the Property is currently anaerobic due to the EOS injections and supports biodegradation of PCE and TCE via the anaerobic reductive dechlorination process. The evidence for anaerobic conditions in groundwater beneath the Property are the presence of dissolved oxygen at concentrations below 1 milligram per liter (mg/L); low oxidation-reduction potential (i.e., negative values); detection of methane; dissolved organics at concentration greater than 5 mg/L, which is indicative of the presence of an organic substrate acting as an electron donor; and the presence of fatty acids, which is indicative of the fermentation of EOS.

  As EOS is depleted, groundwater will gradually restore to pre-injection aerobic conditions. Under slightly aerobic conditions, cis-1,2-DCE and VC will degrade more rapidly compared to under anaerobic conditions. The literature indicates

the first order decay rate of cis-1,2-DCE and VC under aerobic conditions is 1.5 to 2 orders of magnitude greater than that under anaerobic degradation (US Geological Survey 2012). Natural attenuation, including both abiotic and biotic degradation, will continue to be relied upon for degradation of cis-1,2-DCE and VC on the Property.

- Impacted soil and groundwater removed from the Site that is generated during monitoring well installation and groundwater monitoring would be properly characterized for proper off-site disposal at a permitted facility.
- Monitoring and injection wells installed at the Site would be decommissioned when cleanup standards are met.
- An EC would be recorded against the Property and Former Seattle Times Site in accordance with WAC 173-340-440. Periodic reviews would be performed to confirm that the terms of the EC are satisfied.

7.3.2 Cleanup Action Alternative 1: MNA and EC

Cleanup Action Alternative 1 relies on MNA processes for continued degradation of CVOCs at the Site to attain compliance with cleanup levels. Source control has been performed to the maximum extent practicable because the bulk of the CVOC-contaminated soils has been removed through mass soil excavation completed as part of the IRA and Property redevelopment. In addition, the implementation of ERD at the Site has enhanced the degradation of PCE and its degradation products.

In 2022 and 2023, PCE and/or TCE were detected at concentrations exceeding the cleanup levels in now-decommissioned monitoring well MW29 (decommissioned in July 2022) and replacement monitoring well MW29R, which is located on the Seattle Times Site. The footprint of the CVOC groundwater plume in the Thomas Street ROW will continue to decrease as the PCE flux in groundwater located upgradient of monitoring well MW29R is reduced by groundwater treatment (PAC injections) and natural attenuation processes. This anticipated reduction is based on the observed and/or statistical decline in PCE concentrations over time in groundwater samples collected from monitoring wells MW13 and MW28 (Tables 3 and 3A).

Cleanup Action Alternative 1 would consist of the following:

- Groundwater monitoring would be performed to ensure that natural attenuation processes are occurring, demonstrating that the CVOC plume is decreasing over time and confirming that contaminants of concern are in compliance with groundwater cleanup levels at the CPOC monitoring wells. Per Ecology's email dated February 20, 2024 (Ecology 2024), groundwater monitoring would be performed semiannually in 2024 and 2025 and annually (one event per year, alternating between June and December) thereafter for 30 years. Groundwater monitoring would include the collection of groundwater samples for analysis of CVOCs, total organic carbon (TOC), volatile fatty acids (VFA), and MNA parameters (Ecology 2022b). Groundwater cleanup level compliance would be attained at a given monitoring or injection well when CVOCs are detected at concentrations below cleanup levels in samples collected from those wells over four consecutive

quarters of sampling. The compliance groundwater monitoring well network is shown on Figure 36.

- An EC would be recorded for the Property and Seattle Times Site to ensure there is no direct contact with contaminated groundwater under alternative land use scenarios.

The FS-level cost estimate for this cleanup action alternative is presented in Table 12. The estimated present worth cost is approximately **$1,272,000**. Alternative 1 estimated cost is based on a 30-year restoration timeframe.

7.3.3 Cleanup Action Alternative 2: In Situ Reductive Dechlorination and EC with MNA

Cleanup Action Alternative 2 includes the injection of EOS to provide a substrate for the native microbial population (i.e., biostimulation) and to promote the bioremediation of CVOCs present in saturated zone soil and groundwater via the anaerobic reductive dechlorination pathway. The EOS solution would be delivered to existing or newly installed vertical injection wells in the Thomas Street ROW and existing vertical and angled injection wells on the southwestern portion of the Property and in the Boren Avenue North and Thomas Street intersection. This cleanup action alternative would also include the injection of microbial consortium (i.e., for bioaugmentation) into the subsurface consisting of DHC bacteria to promote complete reductive dechlorination to ethene/ethane, which would prevent cis-1,2-DCE and VC stall or accumulation. Natural attenuation processes, predominantly biological degradation of cis-1,2-DCE and VC under anaerobic or aerobic conditions, would be relied upon for continued degradation of CVOCs in groundwater beneath the Property and following active treatment in the Boren Avenue North and Thomas Street ROWs.

Figure 37 provides an illustration of the conceptual implementation of this cleanup action alternative, including the layout of the injection program. Cleanup Action Alternative 2 would consist of the following:

- A request to update the existing underground injection control (UIC) registration would be submitted.
- A Seattle Department of Transportation (SDOT) Street Use permit would be secured to install the new injection wells and perform injections in Thomas Street.
- Four new vertical injection wells would be installed in the Thomas Street ROW (IW95 through IW98).
- The EOS injection solution would be prepared by mixing the EOS stock material with potable water in an aboveground mixing tank(s).
- The EOS solution would be delivered to the subsurface under gravity or moderate injection pressure via the following: newly installed injection wells (IW95 through IW98), existing vertical injection wells (IW55, IW56, IW70 through IW73, and IW92 through IW94), and/or angled injection wells (AIW08 through AIW11).
- Following biostimulation and a period of acclimation, the DHC bioaugmentation solution would be delivered to the subsurface using select injection wells.
- Groundwater monitoring would be performed on a quarterly basis for up to 10 years and include the collection of groundwater samples for analysis of CVOCs,

TOC, VFA, and/or MNA parameters and annually (one event per year alternating between June and December) thereafter for 30 years. Groundwater cleanup level compliance would be attained at a given monitoring or injection well when CVOCs are detected at concentrations below cleanup levels in samples collected from those wells over four consecutive quarters of sampling.

- An EC would be recorded for the Property and Former Seattle Times Site to ensure there is no direct contact with contaminated groundwater under alternative land use scenarios.

The FS-level cost estimate for this cleanup action alternative is presented in Table 13. The estimated present worth cost is approximately **$2,715,000**. Alternative 2 estimated cost is based on a 10-year restoration timeframe.

7.3.4 Cleanup Action Alternative 3: In Situ PAC Adsorption and EC with MNA

Cleanup Action Alternative 3 includes the injection of PAC to adsorb and immobilize CVOCs present in saturated zone soil and groundwater. This adsorption process reduces COC concentrations in groundwater through a mass transfer process. The PAC would be delivered to existing and newly installed vertical injection wells in the Thomas Street ROW and existing vertical and angled injection wells located on the southwestern portion of the Property and in the Boren Avenue North and Thomas Street intersection. Natural attenuation processes would be relied upon for continued degradation of CVOCs (i.e., predominately biological degradation of cis-1,2-DCE and VC under anaerobic or aerobic conditions) in groundwater beneath the Property and following active treatment in the Boren Avenue North and Thomas Street ROWs.

Figure 38 provides an illustration of the conceptual implementation of this cleanup action alternative, including the layout of the injection program. Cleanup Action Alternative 3 would consist of the following:

- A request to update the existing UIC registration would be submitted.
- An SDOT Street Use permit would be secured to install the new injection wells and perform injections in the Thomas Street ROW.
- Four new vertical injection wells would be installed in the Thomas Street ROW (IW95 through IW98).
- The PAC slurry would be prepared at a mix ratio of 55 pounds of PAC for every 150 gallons of potable water in an aboveground mixing tank (equal to one batch).
- The PAC slurry would be delivered to the subsurface under gravity or moderate pressure via the following: newly installed injection wells (IW95 through IW98), existing vertical injection wells (IW55, IW56, IW70 through IW73, and IW92 through IW94), and/or angled injection wells (AIW08 through AIW11).
- Groundwater monitoring would be performed on a quarterly basis for up to 10 years and include the collection of groundwater samples for analysis of CVOCs, TOC, VFA, and/or MNA parameters and annually (one event per year alternating between June and December) thereafter for 30 years. Groundwater cleanup level compliance would be attained at a given monitoring or injection well when CVOCs are detected at concentrations below cleanup levels in samples collected from those wells over four consecutive quarters of sampling.

- An EC would be recorded for the Property and Former Seattle Times Site to ensure there is no direct contact with contaminated groundwater under alternative land use scenarios.

The FS-level cost estimate for this cleanup action alternative is presented in Table 14. The estimated present worth cost is approximately **$2,625,000**. Alternative 3 estimated cost is based on a 10-year restoration timeframe.

7.4 EVALUATION OF CLEANUP ACTION ALTERNATIVES

This section presents the criteria used to evaluate the potentially feasible remedial alternatives with respect to the RAOs established for the Site. Remedial components were identified in accordance with the requirements set forth in MTCA under WAC 340-351, and the focused screening of potential remedial components was conducted using the requirements and procedures for selecting cleanup actions as set forth in MTCA under WAC 173-340-360. The criteria used to evaluate and compare applicable remedial alternatives were derived from WAC 173-340-360(3) and include the following:

- **Protectiveness.** The overall protectiveness of human health and the environment, including the degree to which existing risks are reduced, the time required to reduce risk at the facility and attain cleanup standards, the risks resulting from implementing the cleanup action alternative, and improvement of overall environmental quality.
- **Permanence.** The degree to which the cleanup action alternative permanently reduces the toxicity, mobility, or volume of hazardous substances, including the adequacy of the cleanup action alternative in destroying the hazardous substances, the reduction or elimination of hazardous substance releases and the sources of releases, the degree of irreversibility of the waste treatment process, and the characteristics and quantity of treatment residuals generated during the treatment process.
- **Effectiveness over the Long Term.** The degree of certainty that the cleanup action alternative will be successful, the reliability of the cleanup action alternative during the period over which hazardous substances are expected to remain on the Site, and the magnitude of residual risk associated with the contaminated soil and/or groundwater components. The following types of cleanup action components, presented in descending order, may be used as a guide when assessing the relative degree of long-term effectiveness of the chosen cleanup action alternative:
  - Reuse or recycling
  - Destruction or detoxification
  - Immobilization or solidification
  - On-site or off-site disposal in an engineered, lined, and monitored facility
  - On-site isolation or containment with attendant engineering controls
  - Institutional controls and monitoring
  - Provide resilience to climate change
- **Management of Short-Term Risks.** The risk to human health and the environment associated with the cleanup action alternative during its construction and implementation, and the effectiveness of measures that will be taken to manage such risks.

- **Technical and Administrative Implementability.** The ability to implement the cleanup action alternative, including consideration of the technical feasibility of the cleanup action alternative, administrative and regulatory requirements, permitting, scheduling, size, complexity, monitoring requirements, access for construction operations and monitoring, and integration with the future development plans for the Property.
- **Consideration of Public Concerns.** The protection of the public interest, including considerations of perception, protection of the community, trust in the cleanup and involved parties, and impact on the surrounding areas.
- **Cultural Resource Protection.** The protection of cultural resources is intended to avoid, minimize, or mitigate adverse effects from remedial actions on archaeological and historic archaeological sites, historic buildings and structures, traditional cultural places, sacred sites, and other cultural resources.
- **Vulnerable Populations and Overburdened Communities**. The protection of populations threatened by a contaminated site includes a likely vulnerable population or overburdened community. The MTCA Cleanup Regulations define the terms "vulnerable population" and "overburdened community" to mean a geographic area where vulnerable populations face combined, multiple environmental harms and health impacts, and include, but are not limited to, highly impacted communities.

7.5 COMPARISION OF CLEANUP ACTION ALTERNATIVES

A summary of the evaluation of the cleanup action alternatives described above using the MTCA evaluation criteria (WAC 173-340-360[3]) is presented below:

- **Protectiveness.** Each of the cleanup action alternatives provides a high degree of protectiveness given that the source of CVOCs has been removed through mass excavation and CVOC concentrations in groundwater have decreased significantly following implementation of groundwater treatment. In addition, the concrete floor slab and foundation walls of the on-Property underground parking garage and surrounding concrete and asphalt hardscapes in the ROWs throughout the Site serve as a barrier against direct contact with subsurface contamination. Each of the cleanup action alternatives ranked equally for protectiveness because groundwater beneath the Site will not be used or accessed as drinking water based on regulatory statute and such use will be further prohibited through an EC.
- **Permanence.** Each of the cleanup action alternatives provides a high degree of permanence because source removal and groundwater treatment has significantly reduced the toxicity, mobility, and mass of CVOCs at the Site. Also, the majority of the mass of CVOCs has been removed from the Site under the IRA. Therefore, whether implemented under a passive approach (MNA) or an active approach (ERD application or PAC injections), additional groundwater treatment would only result in the removal of de minimis quantity of CVOC mass at the Site. Each of the cleanup action alternatives ranked equally for permanence because the CVOC mass at the Site has been removed to the maximum extent practicable.
- **Effectiveness over the Long Term.** Cleanup Action Alternative 2 scored the lowest for long-term effectiveness because there is potential for incomplete reductive dechlorination to occur following an ERD application, resulting in the generation of cis-1,2-DCE and VC and possible expansion of the footprint of the CVOC plume on the Seattle Times Site.

Based on the PCE detections at now-decommissioned monitoring well MW29 and replacement monitoring well MW29R and after applying stoichiometric calculations, it is estimated that VC would be generated in excess of 3 µg/L.

The injection of carbon substrate to injection wells located in the Thomas Street ROW will result in successful remediation of PCE and TCE, as demonstrated and observed on the Property. However, given the high solubility of VC in groundwater, there is potential for VC generated in the Thomas Street ROW to migrate to the Seattle Times Site. This downgradient advancement of the VC plume would pose a risk to human health via the vapor intrusion pathway at the Seattle Times Site and would require treatment and/or installation of engineering controls at the Seattle Times Site.

For Cleanup Action Alternative 3, results of the PAC pilot study indicated a decrease in PCE and TCE to concentrations below cleanup levels. However, during the pilot test, the delivery of the PAC slurry to the subsurface via injection wells IW92 through IW94 and angled injection wells AIW10 through AIW12 became increasingly more difficult likely due to clogging of the soil pores. Given the presence of low-permeability soils, it is anticipated that further injections beneath the Thomas Street ROW would result in limited aerial distribution and contact with CVOC-contaminated groundwater.

There are no known climate change impacts that have a high likelihood of occurring and severely compromising its long-term effectiveness of Cleanup Action Alternatives 1 through 3. The proposed Cleanup Action Alternatives will not impact sea level rise, air quality, temperature, or potential for wildfires since the cleanup action alternatives rely on in-situ treatment and intrinsic remediation.

Overall, Cleanup Action Alternatives 1 and 3 ranked highest and equally because they do not have the potential to exacerbate the CVOC groundwater plume that would result in compounding an environmental issue in the Thomas Street ROW and on the Seattle Times Site.

- **Management of Short-Term Risks.** Cleanup Action Alternative 1 scored the highest for this criterion because there is minimal risk associated with contacting contaminated groundwater during low-flow groundwater sampling. Cleanup Action Alternatives 2 and 3 ranked equally given the safety hazards associated with performing work in the Thomas Street ROW (i.e., implementing traffic control measures, encountering subsurface utilities).
- **Technical and Administrative Implementability.** Cleanup Action Alternative 1 scored the highest for this criterion because groundwater monitoring is straightforward to implement and has been routinely performed at the Site. Cleanup Action Alternatives 2 and 3 ranked lower because both cleanup actions require obtaining street use permits, installing injection wells, and performing injections in the Thomas Street ROW under protection provided by traffic control measures and the presence of a uniformed police officer. In addition, installation of injection wells in the Thomas Street ROW poses a safety concern specifically related to the potential for encountering dense clusters of subsurface utilities recently installed by the City of Seattle in the Thomas Street ROW in the form of an east-to-west-aligned power and communication utility corridor beneath Thomas Street ROW.
- **Consideration of Public Concerns.** There are no known active public concerns regarding the specific impacts at the Site. For all of the cleanup action alternatives, human and ecological receptors are protected given that groundwater at the Site will not be used for domestic consumption and that the CVOC groundwater plume is stable. In addition, exposure pathways

to soil and groundwater via direct contact, inhalation, and soil leaching to groundwater are incomplete.

Cleanup Action Alternatives 2 and 3 would temporarily affect traffic flow in the Thomas Street ROW during the installation of injection wells and the injection process. Cleanup Action Alternative 1 has relatively no impact to the public given that only groundwater monitoring and sampling would be performed in the ROWs.

- **Cultural Resource Protection**. There are no known impacts on cultural resources from the proposed Cleanup Action Alternatives 1 through 3. The Site is located in the South Lake Union district, which has hosted residential housing and industrial and commercial facilities since 1887 (The Johnson Partnership 2011).
- **Vulnerable Populations and Overburdened Communities**. There is no impact to vulnerable populations and overburdened communities in the vicinity of the Site. The interim remedial action performed at the Site has mitigated potential any environmental harms vulnerable populations and overburdened communities.

As indicated in Table 16, after weighting factors are used for each of the evaluation criteria, Cleanup Action Alternative 1 achieved the highest-ranking score (9.0) compared to Cleanup Action Alternatives 2 and 3, which achieved scores of 7.0and 7.8, respectively.

7.6 RESTORATION TIME FRAME

Restoration time frame is an important consideration when comparing remedial alternatives. Because the DCA tables include only a summary of the overall restoration time frames associated with each of the proposed alternatives, a detailed discussion is included below. The following section provides details on the anticipated restoration time frames associated with the various technologies proposed and impacted media.

- **Cleanup Action Alternative 1: MNA and EC.** Cleanup Action Alternative 1 relies on MNA processes for continued degradation of CVOCs at the Site to attain compliance with cleanup levels. For Cleanup Action Alternative 1, the restoration time frame to achieve cleanup levels is estimated to be 30 to 50 years. The restoration time is primarily affected by the rate of decay of VC in the groundwater. Anaerobic conditions in the groundwater beneath the Property are not conducive to a rapid degradation of VC. The rate of decay of VC will begin to accelerate when aerobic conditions are present in the groundwater, which could take several decades.
- **Cleanup Action Alternative 2: In Situ Reductive Dechlorination and EC with MNA.** Cleanup Action Alternative 2 relies on the injection of EOS into the existing injection well network to provide a substrate for the native microbial population (i.e., biostimulation) and to promote the bioremediation of CVOCs present in saturated zone soil and groundwater via the anaerobic reductive dechlorination pathway. The estimated restoration time frame for Cleanup Action Alternative 2 is 30 to 50 years because the remedy will likely increase the mass of vinyl chloride in the groundwater. Therefore, VC will remain in the groundwater above the groundwater cleanup level until aerobic conditions are present in the groundwater, which are more conducive to the degradation of VC than are anaerobic conditions.
- **Cleanup Action Alternative 3: In Situ PAC Adsorption and EC with MNA.** Cleanup Action Alternative 3 relies on the injection of PAC to adsorb and immobilize CVOCs present in saturated zone soil and groundwater. Cleanup Action Alternative 3 is estimated to achieve

groundwater cleanup levels and the anticipated restoration time frame throughout the Site is 30 to 50 years because PAC would only be injected in the Thomas Street ROW, while the remedy for the remainder of the Site is MNA through transition of anaerobic to aerobic conditions for degradation of VC. Furthermore, PAC's ability to adsorb and immobilize CVOCs present in saturated zone soil and groundwater is finite, and any residual CVOCs in the groundwater after the PAC is spent will degrade by intrinsic bioremediation.

7.7 DISPROPORTIONATE COST ANALYSIS AND RANKING CRITERIA

The purpose of a disproportionate cost analysis is to facilitate selection of the cleanup action alternative that would provide the highest degree of permanence to the maximum extent practicable. Costs are considered disproportionate if the incremental costs of one cleanup action alternative exceed the incremental benefit achieved by a more expensive cleanup action alternative.

7.7.1 Cleanup Action Alternative Cost Estimating

- **Capital Costs.** These costs include expenditures for equipment, labor, and materials necessary to install a remedial action. Indirect costs may be incurred for engineering, financial, or other services not directly involved with installation of remedial cleanup action alternatives but necessary for completion of this activity.
- **O&M Costs.** O&M costs are post-construction costs necessary to provide effective implementation of the cleanup action alternative. Such costs may include but are not limited to operating labor, maintenance materials and labor, disposal of residues, and administrative, insurance, and licensing costs.
- **Monitoring Costs.** These costs are incurred as a result of monitoring activities associated with remedial activities. Cost items may include sampling labor, laboratory, analyses, and report preparation.
- **Present Worth Analysis.** Present worth analysis provides a method of evaluating and comparing costs that occur over different time periods by discounting all future expenditures to the present year. The present worth cost or value represents the amount of money that would be sufficient to cover all costs associated with a remedial alternative if it was invested in Year 0 and disbursed as needed. The assumptions necessary to derive a present worth cost are inflation rate, discount rate, and period of performance. A discount rate, which is similar to an interest rate, is used to account for the time value of money.

Because it is assumed that all capital costs are incurred in Year 0, the present worth analysis is performed only on annual O&M and monitoring costs. The total present worth for a given cleanup action alternative is equal to the sum of the capital costs and the present worth of annual O&M and monitoring costs over the anticipated life cycle of the cleanup action alternative.

Using these criteria, the present worth costs for Cleanup Action Alternatives 1 through 4 are approximately as follows and detailed in Tables 12 through 15, respectively:

- Cleanup Action Alternative 1: $1,272,000
- Cleanup Action Alternative 2: $2,715,000
- Cleanup Action Alternative 3: $2,625,000

As indicated above, the costs to implement Cleanup Action Alternatives 2 and 3 are approximately 2.5 times higher than the cost of Cleanup Action Alternative 1. The ranking score for Cleanup Action Alternative 1 is higher than Cleanup Action Alternatives 2 and 3. Chart 1 plots the relative cost and ranking scores, and Chart 2 plots the cost-to-benefit ratios for the four cleanup action alternatives to illustrate the relative costs and benefits afforded by each cleanup action alternative. The charts demonstrate that Cleanup Action Alternative 1 exhibits the lowest (best) cost-to-benefit ratio compared to those of Cleanup Action Alternatives 2 and 3.

PCE and TCE concentrations are stable in the ROWs and beneath the Seattle Times Site. In the Thomas Street ROW, the stability of the CVOC plume and aerobic groundwater conditions are acting to inhibit the downgradient migration and formation of VC, which is more volatile and soluble compared to PCE, TCE, and cis-1,2-DCE. Over time, PCE and TCE concentrations on the Seattle Times Site will decline due to groundwater treatment and natural attenuation processes, including advection and dispersion, diffusion, sorption, volatilization, and biodegradation. Over time, it is anticipated that the groundwater geochemistry will revert to aerobic conditions beneath the Property, which are also conducive to direct oxidation of cis-1,2-DCE and VC in groundwater.

Overall, the incremental benefit associated with the added cost to implement an active treatment cleanup action alternative such as ERD application or PAC injections compared to that of MNA is not warranted. The CVOC impacts in groundwater do not pose a risk to human health or the environment given the depth of groundwater beneath the Site, the groundwater will not be used as a source for drinking water, and the footprint of the CVOC groundwater plume is stable.

8.0 PREFERRED CLEANUP ACTION ALTERNATIVE

After performing the analysis and ranking of cleanup action alternatives in accordance with MTCA, Cleanup Action Alternative 1 is the most feasible and cost-effective remedy. Cleanup Action Alternative 1 is the recommended alternative for the Property because it achieves the RAOs, meets the requirements set forth in WAC 173-340-360 and WAC 173-340-370, and is favorable with respect to the established evaluation and ranking criteria. Finally, Cleanup Action Alternative 1 exhibits the lowest cost-to-benefit ratio compared to the other cleanup action alternatives.

9.0 VAPOR INTRUSION ASSESSMENT – FORMER SEATTLE TIME PROPERTY

Touchstone will conduct 2 years of semiannual indoor air monitoring in the parking garage of Onni's new building located on the Former Seattle Time Property once it is completed and its air handling units are operational. SoundEarth will perform indoor air sampling following similar procedures presented in SoundEarth's Vapor Intrusion Assessment Work Plan, dated January 25, 2018, and Supplemental Vapor Intrusion Assessment Work Plan, dated February 12, 2019 (SoundEarth 2018, 2019). SoundEarth will prepare a work plan for the Onni vapor intrusion assessment under separate cover and submit the work plan to Ecology for concurrence before implementation.

It is Touchstone's understanding that Ecology agrees that if CVOCs concentrations are below method reporting limit or MTCA Indoor Air Method B cleanup levels for unrestricted uses no additional air monitoring will be required. This condition assumes the Onni building will include residential living. The proposed indoor air cleanup levels for the Onni building are as follows:

Table 9-1: Proposed Indoor Air Cleanup Level – Onni Building

Contaminant of Concern	Unrestricted Use Indoor Air Cleanup Level ($\mu g/m^3$)	Regulations
PCE	9.62	Table values in CLARC 2024
TCE	0.334	
cis-1,2-DCE	18.3	
VC	0.284	

10.0 CONTINGENCY ACTIONS

For the Troy Site, the projected restoration time for the preferred remedial action (natural attenuation remedy with an environmental covenant) is 30 years. In this time frame, the CVOC concentrations in the groundwater at the Site are anticipated to reach compliance with groundwater cleanup levels at the CPOC wells.

On the Troy Property, compliance will be achieved when CVOC concentrations in the groundwater are less than RLs for the protection of indoor air for a commercial exposure scenario. On the Onni Property, compliance will be achieved when CVOC concentrations are less than groundwater cleanup levels.

CVOC concentrations in the groundwater are expected to fluctuate and decrease over time due to a variety of factors, including: (1) an ongoing unresolved source of TCE in the groundwater in areas upgradient of the Boren Avenue ROW, (2) sampling and analytical variability, (3) seasonal fluctuations in the groundwater elevations, and (4) desorption of CVOCs from soil to the groundwater where it can degrade in the dissolved phase.

Touchstone will be prepared to implement contingency actions if future CVOC concentrations exceed screening levels for indoor air quality at the Site, either on the Troy Property or on the Onni Property, as described below. These contingency actions include mitigation measures, if deemed necessary and appropriate, to alleviate screening level exceedances for indoor air quality.

10.1 TROY PROPERTY

The chemistry of the groundwater beneath the Troy Property is expected to change over time from anaerobic to aerobic due to the continuing decline of anthropogenic carbon substrate in the groundwater. Under aerobic conditions, VC in the groundwater will mineralize to non-toxic end products.

However, since VC concentrations are increasing with time and currently exceed the commercial screening level for the protection of indoor air, a contingency plan will be implemented if there is a statistically significant increase (SSI) in the VC concentrations in the groundwater. To be declared an SSI, the change in VC concentrations must be significant after accounting for anticipated variability in the sample data due to the factors outlined previously.

To determine if an SSI has occurred for VC results, SoundEarth will follow guidance presented in EPA Statistical Analysis of Groundwater Monitoring Data for RCRA Facilities, dated 2019 (EPA 2019), and

perform analysis for SSI testing using ProUCL version 5.2.00. The SSI test will assess variability over time in groundwater beneath the Troy Property. The results from the SSI test will be more representative of the overall stability of the plume than changes in VC concentrations at individual wells.

June 2024 analytical results at groundwater monitoring wells with VC concentrations exceeding the groundwater RL or showing an increasing statistical trend will act as the baseline results to determine if SSI has occurred in the future. Baseline results will be compared to groundwater analytical results for samples collected after June 2024. As with the baseline results, concentrations of VC exceeding the groundwater RL or showing an increasing statistical trend at monitoring wells at the Troy Property will be used to determine if SSI has occurred. No SSI will have occurred if the mean of the VC baseline is greater than or equal to the future VC sample results at the 95 percent level of significance (baseline VC mean >= future VC result). An SSI will occur if the mean of the baseline is less than the future VC sample results at the 95 percent level of significance (baseline VC mean < future VC result) over two consecutive groundwater sample events. If an SSI is verified, a contingency action will be implemented. The first stage of the contingency action will include two semiannual indoor air sampling events at the Troy Property. SoundEarth will perform indoor air sampling following procedures presented in SoundEarth's Vapor Intrusion Assessment Work Plan, dated January 11, 2018, and SoundEarth's Supplemental Vapor Intrusion Assessment Work Plan, dated May 21, 2018 (SoundEarth 2018, 2019).

If results from two semiannual events indicate VC concentrations exceed indoor air cleanup standards, mitigation measures will be considered with Ecology and implemented as a second stage of contingency action to alleviate any potential risk to human health. Mitigation measures may include the following, listed in likely order of preference:

- Modifying or upgrading the parking garage ventilation system.
- Installing and maintaining a sub-slab depressurization system (e.g., extracting soil gas from select existing injection wells).
- Implementing in-situ groundwater remediation, such as: (a) carbon substrate addition and bioaugmentation (i.e., anaerobic reductive dechlorination), or (b) oxygen enhancement of aerobic oxidation.

At 6 and 12 months after implementation of a mitigation measure, SoundEarth will perform two indoor air sampling events to confirm the efficacy of mitigation measures on indoor air quality. Based on the results of these air sampling events, no further mitigation will be required if indoor air results are below screening levels. If exceedances persist, additional mitigation measures will be proposed for Ecology review and approval.

10.2 SEATTLE TIMES SITE (ONNI PROPERTY)

A trend analysis performed at the end of the fourth quarter of 2023, which combined groundwater results for MW29 and MW29R (total of 10 sampling events) on the Onni Property, showed no statistically determinable trends in the concentrations of PCE and TCE and decreasing statistical trends in the concentrations of cis-1,2-DCE and VC. Currently, in MW29R, the PCE and TCE concentrations exceed groundwater screening levels for the protection of indoor air for a residential exposure scenario but are less than groundwater screening levels for the protection of indoor air for a commercial exposure scenario.

After the Onni building is completed, Ecology requires 2 years of semiannual indoor air monitoring. If after 2 years of indoor air sampling, concentrations of CVOCs are below residential cleanup levels, Ecology will

not require additional indoor air monitoring, irrespective of the concentration of CVOCs in the groundwater. However, if concentrations of CVOCs exceed the MTCA Method B groundwater screening levels and concentrations of CVOCs in the indoor air exceed cleanup levels, a contingency action will be implemented to mitigate the potential impacts to indoor air quality in the parking garage at the Onni building.

If a contingency action is implemented, Touchstone will perform two semiannual indoor air sampling events at the Onni Property based upon a work plan to be approved by Ecology. If results from two semiannual events establish that concentrations of COCs exceed indoor air cleanup standards, then vapor mitigation measures may be implemented similar to those described for the Troy Property after Ecology review and approval.

At 6 and 12 months after the implementation of the mitigation measure, SoundEarth will perform two indoor air sampling events to confirm the efficacy of mitigation measures on indoor air quality. Based on the results of these air sampling events, no further mitigation will be required if indoor air results are below screening levels. If exceedances persist, mitigation measures will be proposed for Ecology review and approval.

10.3 RIGHTS-OF-WAY

CVOC concentrations in groundwater within the ROWs do not exceed Roadway Excavation Groundwater RLs that are protective of the inhalation pathway for excavation workers. This condition has been present in the groundwater beneath the ROWs for several years. Given the decrease in CVOC concentrations in the groundwater in the ROWs demonstrated over time and the absence of current risk to excavation workers, no contingency action plan is needed for the ROWs. The City of Seattle, through the Seattle Department of Transportation, will receive a notice letter regarding the groundwater contamination beneath the ROWs as part of the process of finalizing Environmental Covenants for the Troy Property and for the Onni Property.

11.0 LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with SoundEarth's agreement with the client. This report is solely for the use and information of the client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report are derived, in part, from data gathered by others, and from conditions evaluated when services were performed, and are intended only for the client, purposes, locations, time frames, and project parameters indicated. SoundEarth does not warrant and is not responsible for the accuracy or validity of work performed by others, nor from the impacts of changes in environmental standards, practices, or regulations subsequent to performance of services. SoundEarth does not warrant the use of segregated portions of this report.

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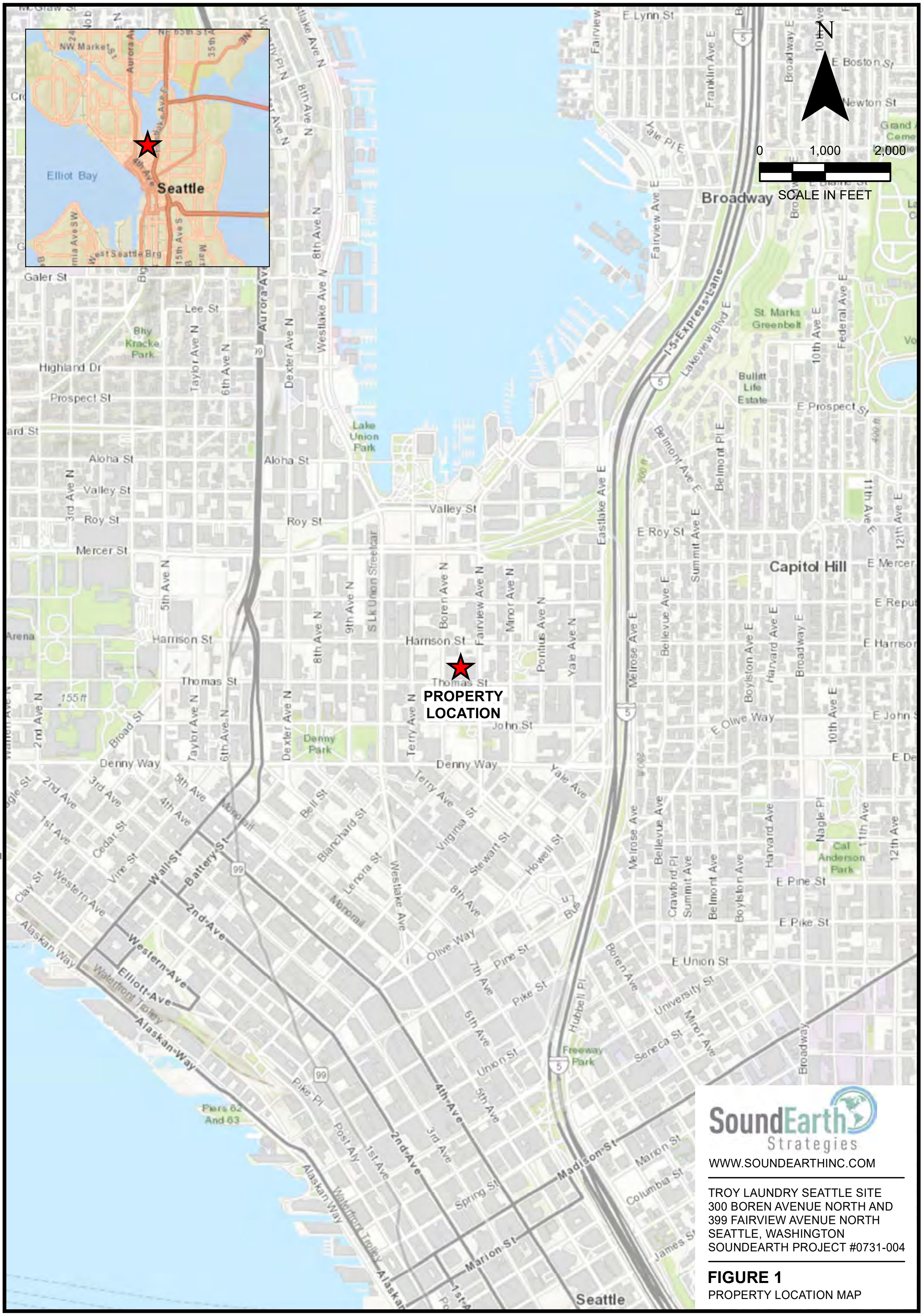
FIGURES



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

FIGURE 1
PROPERTY LOCATION MAP

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

4/3/2023

HARRISON STREET

1100s (ODDS)

DAVID SMITH BUILDING (1925)

APPROXIMATE LOCATION OF FORMER 10,000-GALLON PROPANE TANK

GPR ANOMALY

FORMER 8,000-GALLON GASOLINE UST

MOKAS BUILDING (1960)

POSSIBLE VENT LINE

GPR ANOMALY

300-GALLON UST

AMAZON HEADQUARTERS BUILDING

APPROXIMATE LOCATION OF TWO 12,000-GALLON USTs AND ONE 1,000-GALLON UST

FORMER OIL TANK

FORMER PUMP ISLAND

VENT LINES

FORMER TANK

SUMP

2,000-GALLON GASOLINE USTS

SHED

BOILER ROOM

FORMER ASTs

BRINE PIT

VENT/FILL LINES

TRENCH

300s (EVENS)

FORMER CLEANING

FORMER SALON

FORMER VAULT ROOM

FUR VAULT (1948)

FORMER REPAIRING

FORMER OIL TANK

FORMER TRANSFORMER

FORMER BOILERS

INDUSTRIAL LAUNDRY (1946)

VENT

FORMER PRESSURIZED WATER TANK

8,000-GALLON SOLVENT UST

2" FLOOR DRAIN

TRANSFORMER VAULT

CLEAN OUT

ASTs

FORMER BOILER

DECOMMISSIONED WATER SUPPLY WELL

WATER PIT

FORMER AIR COMPRESSOR

LOADING DOCK

3,000-GALLON (DUMP TANK)

VAULTS

VAULT

VAULT

HOT WATER BOILER

TRENCH

VIC. SOLVENT SAVER

PUMP

1,000-GALLON (CIRCULATING)

350-GALLON (STA DRI TANK)

FORMER 1,000-GALLON SOLVENT STORAGE TANKS

FORMER FINISHING AREA

FORMER TUMBLING AREA

FORMER DRY CLEAN AREA

(EXPLOSION PROOF AREAS)

BOREN AVENUE NORTH

TROY BUILDING (1926)

300s (ODDS)

FAIRVIEW AVENUE NORTH

6"-DEEP SUMP

FLOOR DRAIN

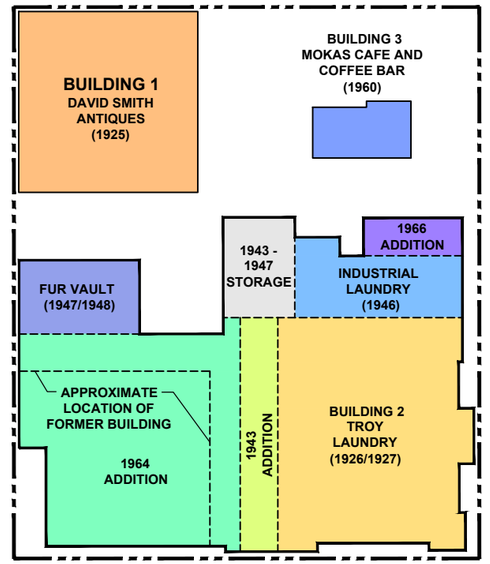
GARAGE ADDITION (1964)

FLOOR DRAIN

RAMP

2,000-GALLON UST AND FORMER FUEL-DISPENSING PUMP ISLAND

THOMAS STREET



TROY LAUNDRY PROPERTY CONSTRUCTION SEQUENCE

0 50 100

N

0 25 50

APPROXIMATE SCALE IN FEET

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
●	VAULT ACCESS
	PROPERTY FEATURES
	FORMER PROPERTY FEATURES
	SOUTH LAKE UNION STREETCAR LINE
UST	UNDERGROUND STORAGE TANK
AST	ABOVEGROUND STORAGE TANK
GPR	GROUND-PENETRATING RADAR
RED	SOLVENT SOURCE AREAS

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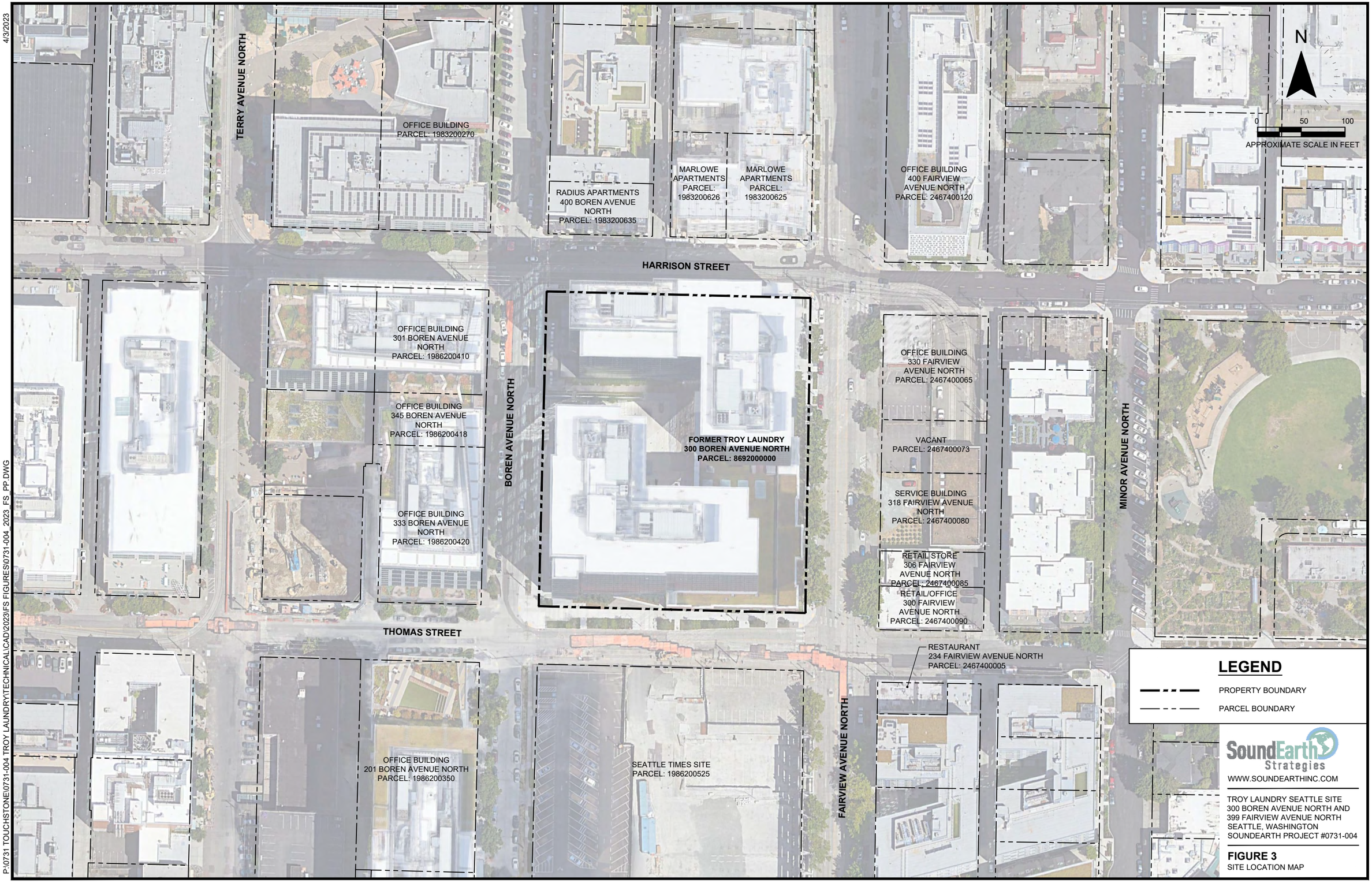
TROY LAUNDRY SEATTLE SITE
300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 2
HISTORICAL PROPERTY PLAN

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PP-HIST.DWG

4/3/2023



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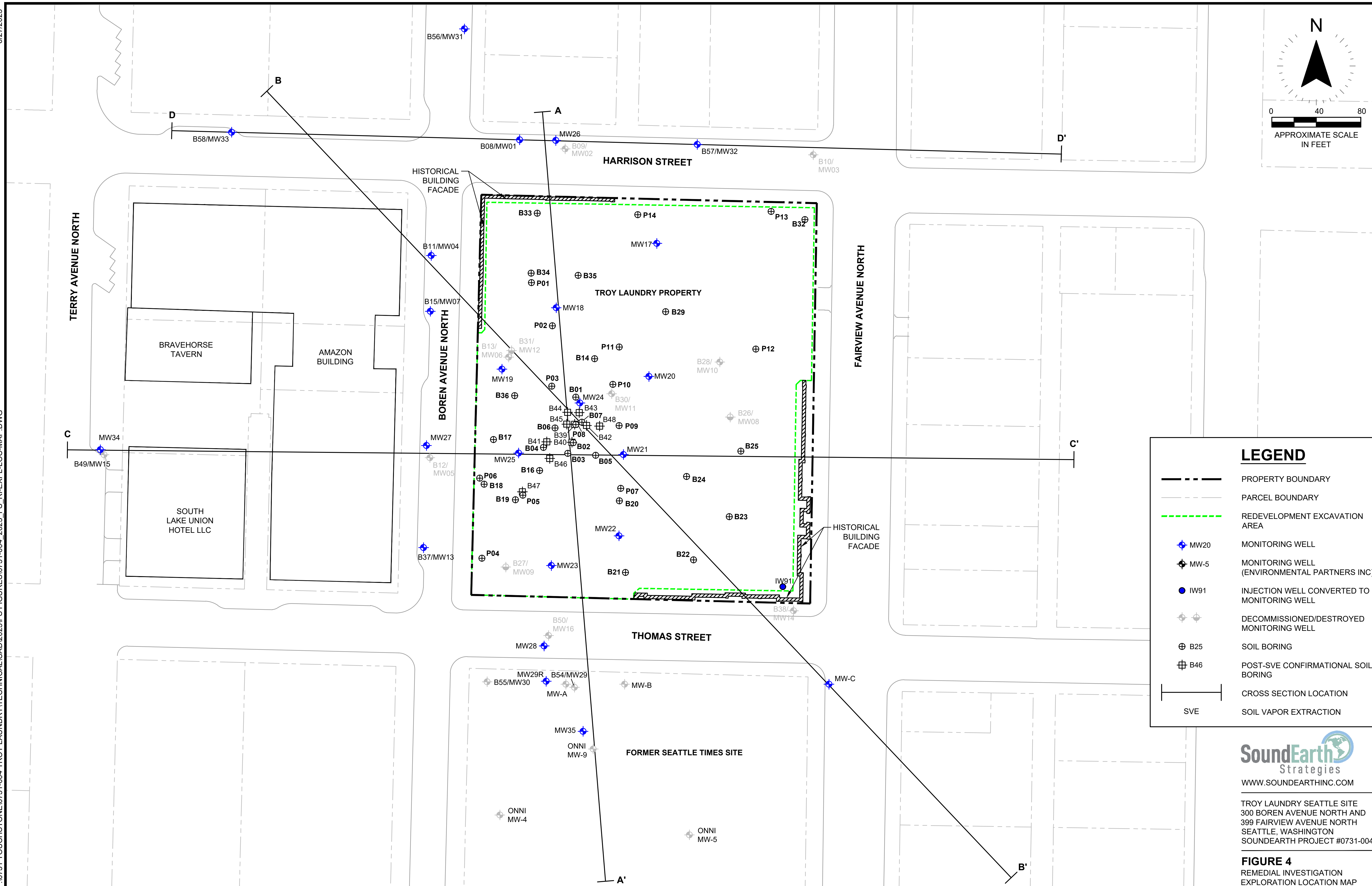
300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 3
SITE LOCATION MAP

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PP.DWG

6/27/2023


N
0
40
80
APPROXIMATE SCALE IN FEET
HARRISON STREET
THOMAS STREET
TERRY AVENUE NORTH
BOREN AVENUE NORTH
FAIRVIEW AVENUE NORTH
TROY LAUNDRY PROPERTY
FORMER SEATTLE TIMES SITE
BRAVEHORSE TAVERN
AMAZON BUILDING
SOUTH LAKE UNION HOTEL LLC
HISTORICAL BUILDING FACADE
HISTORICAL BUILDING FACADE
A
A'
B
B'
C
C'
D
D'
B56/MW31
B58/MW33
B08/MW01
MW26
B09/MW02
B57/MW32
B10/MW03
B11/MW04
B15/MW07
B13/MW06
B31/MW12
MW19
MW34
B49/MW15
MW27
B12/MW05
B37/MW13
B33
P14
P13
B32
MW17
B34
P01
B35
MW18
P02
B29
P11
P12
B14
B28/MW10
MW20
P03
B36
P10
B01
MW24
B30/MW11
B44
B43
B45
B07
B48
B26/MW08
B06
P09
B39
P08
B42
B17
B41
B40
B04
B02
MW21
B25
MW25
B03
B05
B46
B16
P06
B18
B47
B24
P07
B19
P05
B20
B23
MW22
P04
B27/MW09
MW23
B21
B22
IW91
B38/MW14
B50/MW16
MW28
MW29R
B54/MW29
B55/MW30
MW-A
MW-B
MW-C
MW35
ONNI MW-9
ONNI MW-4
ONNI MW-5
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
DECOMMISSIONED/DESTROYED MONITORING WELL
B25 SOIL BORING
B46 POST-SVE CONFIRMATIONAL SOIL BORING
CROSS SECTION LOCATION
SVE SOIL VAPOR EXTRACTION
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TROY LAUNDRY SEATTLE SITE
300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 4
REMEDIAL INVESTIGATION
EXPLORATION LOCATION MAP

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4/3/2023

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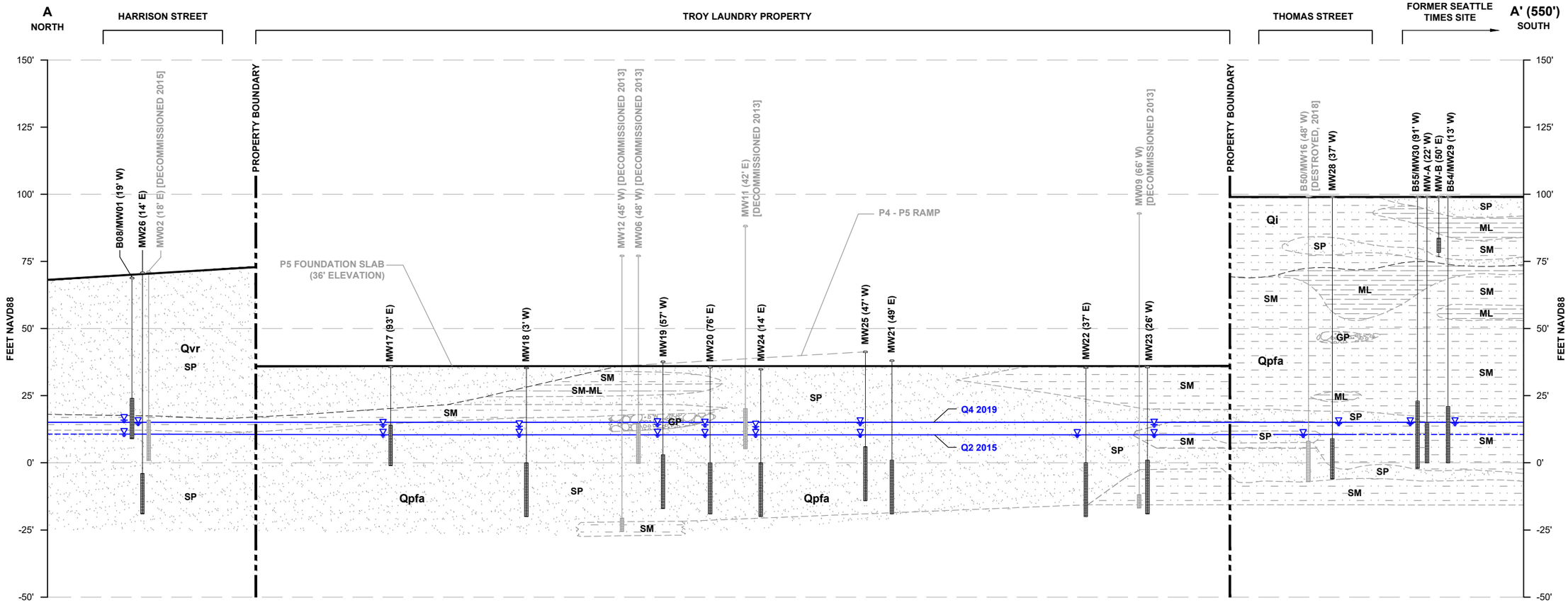


LEGEND

GROUNDWATER LEVEL

SP
POORLY GRADED SAND

SM
SILTY SAND

ML
SILT

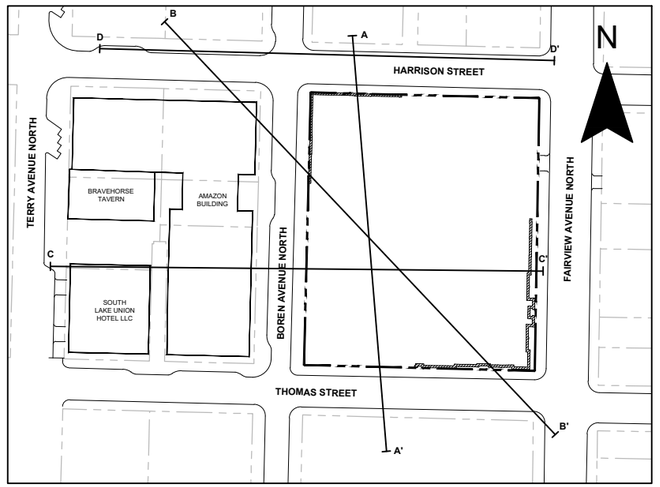
SM-ML
SILTY SAND AND SILT

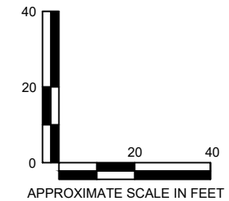
GP
POORLY GRADED GRAVEL

Qvr	VASHON RECESSIONAL OUTWASH DEPOSITS
Qi	ICE-CONTACT DEPOSITS
Qpfa	PRE-FRASER NONGLACIAL DEPOSITS
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988

NOTE:

SOIL TYPES BASED ON UNIFIED SOIL CLASSIFICATION SYSTEM VISUAL ASSESSMENT





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TROY LAUNDRY SEATTLE SITE
300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
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FIGURE 5
CROSS SECTION A - A'

B NORTHWEST — **B' (750')** SOUTHEAST

BOREN AVENUE NORTH | TROY LAUNDRY PROPERTY | THOMAS STREET

PROPERTY BOUNDARY | PROPERTY BOUNDARY

FEET NAVD88

150' 125' 100' 75' 50' 25' 0' -25' -50'

B58/MW33 (48' SW) | B11/MW04 (4' NE) | B15/MW07 (31' SW) | B31/MW12 [DECOMMISSIONED 2013] | B13/MW06 (7' SW) [DECOMMISSIONED 2013] | B30/MW11 (38' NE) [DECOMMISSIONED 2013] | B38/MW14 (23' NE) [DECOMMISSIONED 2013] | MW-C

MW18 (55' NE) | MW19 (19' SW) | MW25 (69' SW) | MW24 (13' NE) | MW22 (44' SW) | IW91 (30' NE)

P4 - P5 RAMP

P5 FOUNDATION SLAB (36' ELEVATION)

Q4 2019

Q2 2015

Qvr | Qpfa | Qi

SP | SP-SM | SM | ML

LEGEND

GROUNDWATER LEVEL

SP POORLY GRADED SAND

SM SILTY SAND

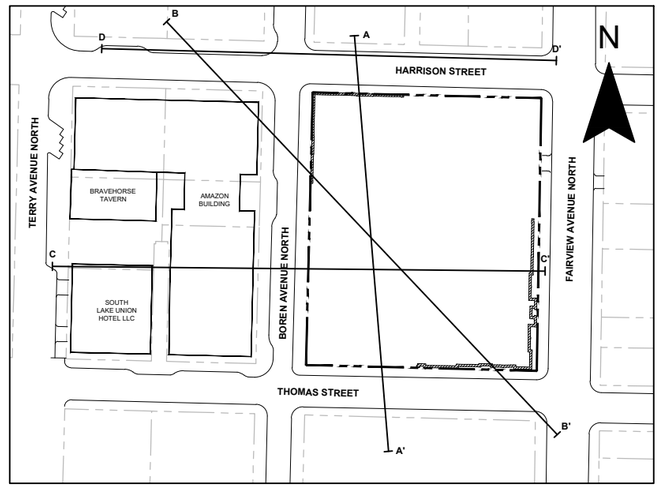
ML SILT

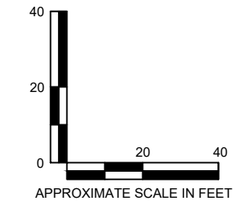
SP-SM POORLY GRADED SAND AND SILTY SAND

NOTE:

SOIL TYPES BASED ON UNIFIED SOIL CLASSIFICATION SYSTEM VISUAL ASSESSMENT

Qvr	VASHON RECESSIONAL OUTWASH DEPOSITS
Qi	ICE-CONTACT DEPOSITS
Qpfa	PRE-FRASER NONGLACIAL DEPOSITS
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988





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300 BOREN AVENUE NORTH AND
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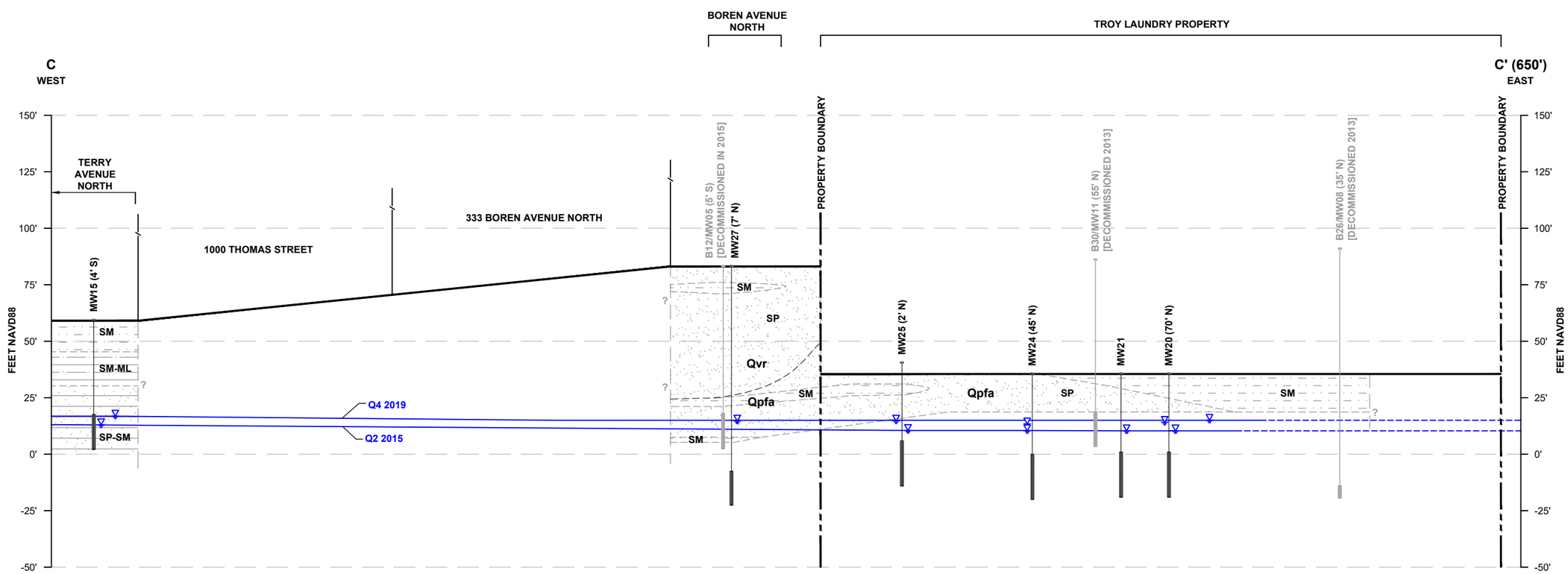
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 6
CROSS SECTION B - B'



LEGEND

GROUNDWATER LEVEL

SP
POORLY GRADED SAND

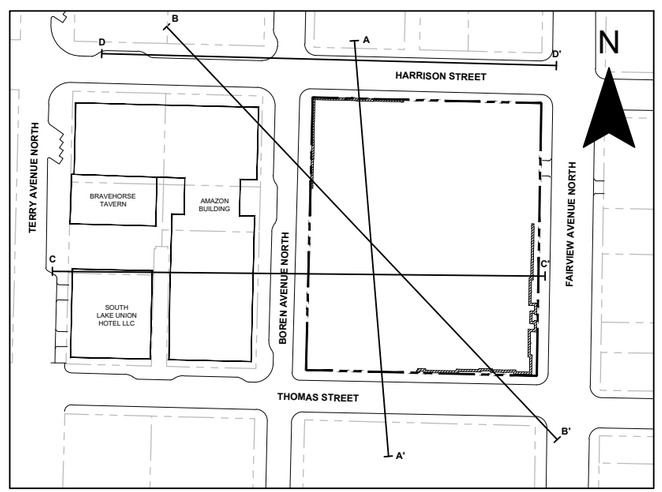
SM
SILTY SAND

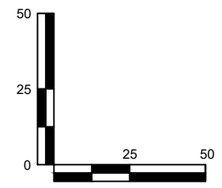
SP-SM
POORLY GRADED SAND AND SILTY SAND

SM-ML
SILTY SAND AND SILT

NOTE:
SOIL TYPES BASED ON UNIFIED SOIL CLASSIFICATION SYSTEM VISUAL ASSESSMENT

Qvr	VASHON RECESSIONAL OUTWASH DEPOSITS
Qpfa	PRE-FRASER NONGLACIAL DEPOSITS
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988





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399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
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FIGURE 7
CROSS SECTION C - C'

4/3/2023
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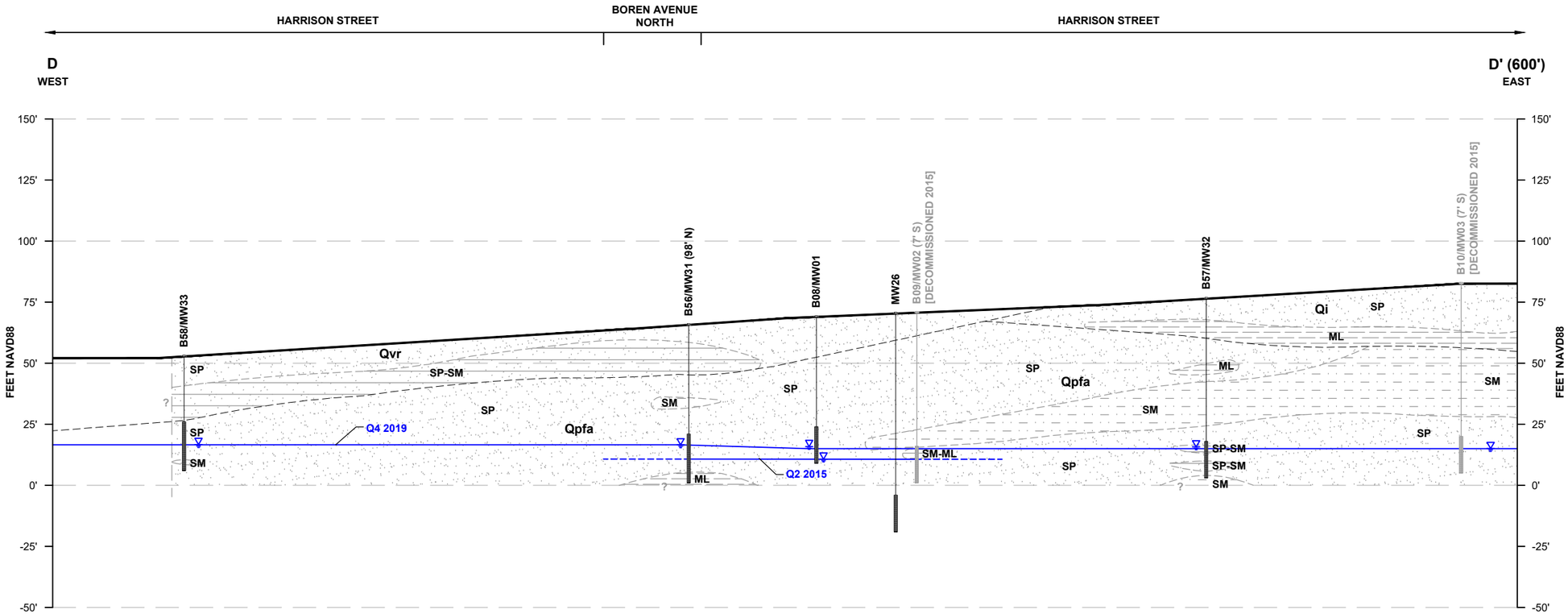


LEGEND

GROUNDWATER LEVEL

SP POORLY GRADED SAND

SM SILTY SAND

ML SILT

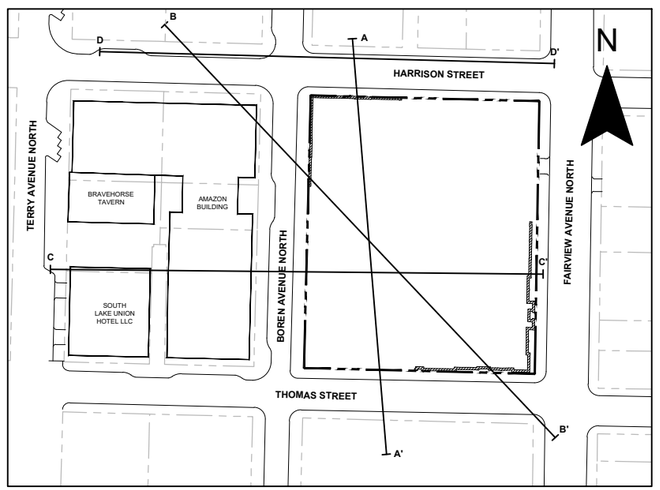
SP-SM POORLY GRADED SAND AND SILTY SAND

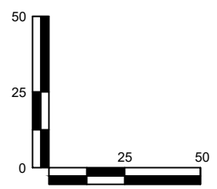
SM-ML SILTY SAND AND SILT

NOTE:

SOIL TYPES BASED ON UNIFIED SOIL CLASSIFICATION SYSTEM VISUAL ASSESSMENT

Qvr	VASHON RECESSIONAL OUTWASH DEPOSITS
Qi	ICE-CONTACT DEPOSITS
Qpfa	PRE-FRASER NONGLACIAL DEPOSITS
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988





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399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
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FIGURE 8
CROSS SECTION D - D'

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_CM-022020.DWG

HARRISON STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

THOMAS STREET

TROY LAUNDRY PROPERTY

SEATTLE TIMES SITE

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

HISTORICAL BUILDING FACADE

HISTORICAL BUILDING FACADE

B56/MW31 (5.40')

B58/MW33 (5.93')

B49/MW15 (7.14')

B08/MW01 (11.57')

MW26 (11.38')

B59/MW02

B57/MW32 (11.50')

B10/MW03

B11/MW04 (8.77')

B15/MW07 (9.76')

MW17 (11.59')

MW18 (11.53')

B31/MW12

B13/MW06

MW19 (11.53')

MW20 (11.64')

B28/MW10

B30/MW11

MW24 (11.61')

B26/MW08

MW27 (11.44')

B12/MW05

MW25 (11.68')

IW50

MW21 (11.75')

MW22 (11.72')

B37/MW13 (11.62')

IW61

MW23 (11.68')

B27/MW09

IW91 (11.84')

B38/MW14

B50/MW16

MW28 (11.80')

B55/MW30 (11.85')

B54/MW29 (11.88')

ONNI MW-4 (8.92')

ONNI MW-5 (9.80')

IW06

IW04

5.50'

6.50'

7.50'

8.50'

9.50'

10.50'

11.50'

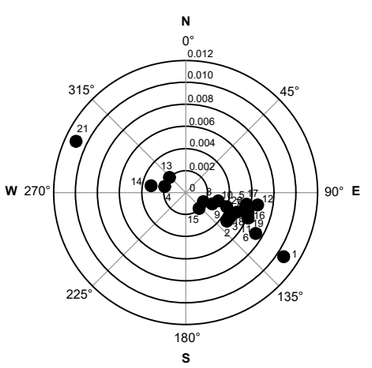
N

0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (ENVIRONMENTAL PARTNERS INC)
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- INJECTION WELL
- ANGLED INJECTION WELL
- MONUMENT AND HORIZONTAL PIPING FOR INJECTION WELL SCREEN ACCESS
- 1.00-FOOT INTERVAL GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (9.50') — GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (JULY25, 2020)



1	05/31/11
2	10/20/11
3	12/10/12
4	08/29/13
5	05/05/15
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
21	06/25/20

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300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
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SOUNDEARTH PROJECT #0731-004

FIGURE 9
GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM
(JUNE 25, 2020)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_CM-042020.DWG

B56/MW31 (5.40')

6.50'

7.50'

8.50'

9.50'

10.50'

11.50'

B58/MW33 (5.93')

HARRISON STREET

MW26 (11.38')

B08/MW01 (11.57')

B57/MW32 (11.50')

B10/MW03

HISTORICAL BUILDING FACADE

IW06

IW04

MW17 (11.59')

TERRY AVENUE NORTH

B11/MW04 (8.77')

TROY LAUNDRY PROPERTY

B15/MW07 (9.76')

MW18 (11.53')

BRAVEHORSE TAVERN

AMAZON BUILDING

BOREN AVENUE NORTH

B31/MW12

B13/MW06

MW19 (11.53')

MW20 (11.64')

B28/MW10

FAIRVIEW AVENUE NORTH

B30/MW11

MW24 (11.13')

B26/MW08

B49/MW15 (7.14')

MW27 (11.44')

B12/MW05

MW25 (11.68')

IW50

MW21 (11.75')

SOUTH LAKE UNION HOTEL LLC

MW22 (11.72')

HISTORICAL BUILDING FACADE

B37/MW13 (11.62')

IW61

MW23 (11.68')

B27/MW09

IW91 (11.84')

B38/MW14

B50/MW16

MW28 (11.80')

THOMAS STREET

B55/MW30 (11.85')

B54/MW29 (11.88')

SEATTLE TIMES SITE

ONNI MW-4 (8.92')

ONNI MW-5 (9.90')

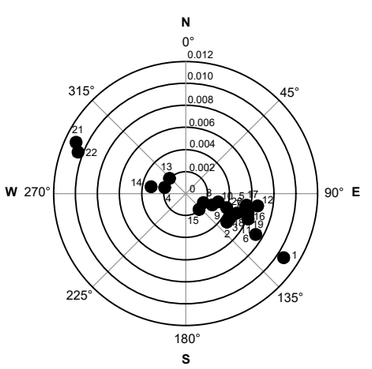
N

0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (ENVIRONMENTAL PARTNERS INC)
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- INJECTION WELL
- ANGLED INJECTION WELL
- MONUMENT AND HORIZONTAL PIPING FOR INJECTION WELL SCREEN ACCESS
- 1.00-FOOT INTERVAL GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (9.50') — GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (DECEMBER 9, 2020)



1	05/31/11
2	10/20/11
3	12/10/12
4	08/29/13
5	05/05/15
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
21	06/25/20
22	12/09/20

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

FIGURE 10
GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM
(DECEMBER 9, 2020)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_CM-022021.DWG

HARRISON STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

THOMAS STREET

TROY LAUNDRY PROPERTY

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

FORMER SEATTLE TIMES SITE

HISTORICAL BUILDING FACADE

HISTORICAL BUILDING FACADE

B56/MW31 (11.36')

B58/MW33 (10.62')

B08/MW01 (12.33')

MW26 (12.32')

B59/MW02

B57/MW32 (12.19')

B10/MW03

B11/MW04 (10.76')

B15/MW07 (11.47')

B49/MW15

B12/MW05

B37/MW13 (12.28')

B27/MW09

B31/MW12

B13/MW06

MW19 (12.38')

MW27 (12.21')

MW25 (12.41')

MW24 (12.36')

B30/MW11

B26/MW08

MW17 (12.34')

MW18 (12.33')

MW20 (12.36')

B28/MW10

IW50

MW21 (12.37')

MW22 (12.37')

IW61

MW23 (12.36')

IW06

IW04

IW91 (12.37')

B38/MW14

B50/MW16

MW28 (12.41')

B55/MW30 (12.35')

B54/MW29 (12.43')

ONNI MW-4 (9.42')

ONNI MW-5 (10.31')

11.00'

11.50'

12.00'

10.50'

10.00'

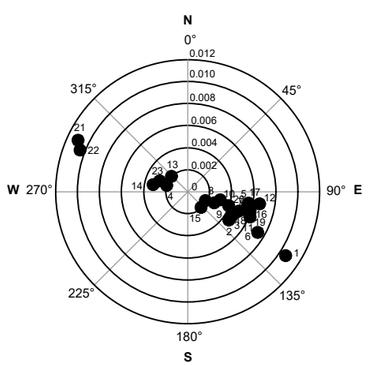
N

0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (ENVIRONMENTAL PARTNERS INC)
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- INJECTION WELL
- ANGLED INJECTION WELL
- MONUMENT AND HORIZONTAL PIPING FOR INJECTION WELL SCREEN ACCESS
- 0.50-FOOT INTERVAL GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (10.76') — GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (JUNE 22, 2021)



1	05/31/11
2	10/20/11
3	12/10/12
4	08/29/13
5	05/05/15
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
21	06/25/20
22	12/09/20
23	06/22/21

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TROY LAUNDRY SEATTLE SITE
300 BOREN AVENUE NORTH AND
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FIGURE 11
GROUNDWATER CONTOUR MAP
WITH ROSE DIAGRAM
(JUNE 22, 2021)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_CM-Q42021.DWG

HARRISON STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

THOMAS STREET

TROY LAUNDRY PROPERTY

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

FORMER SEATTLE TIMES SITE

HISTORICAL BUILDING FACADE

HISTORICAL BUILDING FACADE

B56/MW31 (15.03')

B58/MW33 (14.92')

B08/MW01 (13.86')

MW26 (13.58')

B59/MW02

B57/MW32 (13.45')

B10/MW03

B11/MW04 (14.88')

B15/MW07 (14.46')

MW34

B49/MW15

MW27 (13.50')

B12/MW05

MW25 (13.60')

MW18 (13.53')

MW17 (13.60')

MW19 (13.56')

MW20 (13.51')

MW24 (13.51')

MW21 (13.50')

MW22 (13.53')

MW23 (13.54')

MW28 (13.69')

B37/MW13 (13.65')

B31/MW12

B13/MW06

B30/MW11

B28/MW10

B26/MW08

B27/MW09

B29/MW16

B36/MW14

IW06 IW04 IW50 IW61 IW91 (13.51')

B55/MW30 (13.66')

B54/MW29 (13.63')

ONNI MW-9 (13.50')

ONNI MW-4 (13.41')

ONNI MW-5 (18.74')

15.00'

14.50'

14.00'

13.50'

N

0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (ENVIRONMENTAL PARTNERS INC)
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- INJECTION WELL
- ANGLED INJECTION WELL
- MONUMENT AND HORIZONTAL PIPING FOR INJECTION WELL SCREEN ACCESS
- 0.50-FOOT INTERVAL GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (10.76') — GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (DECEMBER 14, 2021)
- * — MONITORING WELL ONNI-MW-5 NOT USED IN GROUNDWATER CONTOURING

N 0° 45° 90° E 135° 180° S 225° 270° W 315°

0.012 0.010 0.008 0.006 0.004 0.002

1	05/31/11
2	10/20/11
3	12/10/12
4	08/29/13
5	05/05/15
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
21	06/25/20
22	12/09/20
23	06/22/21
24	12/14/21

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

FIGURE 12

GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM (DECEMBER 14, 2021)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_CM-Q22022.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

B56/MW31 (17.01')

B58/MW33 (17.10')

B08/MW01 (15.75')

MW26 (14.67')

B59/ MW02

B57/ MW32 (14.63')

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

IW06

IW04

MW17 (14.72')

B11/MW04 (17.15')

TROY LAUNDRY PROPERTY

B15/ MW07 (16.68')

MW18 (14.61')

BRAVEHORSE TAVERN

AMAZON BUILDING

B31/ MW12

B13/ MW06

MW19 (14.65')

MW20 (14.59')

B28/ MW10

MW24 (14.61')

B30/ MW11

B26/ MW08

MW34 (17.20')

B49/MW15

MW27 (14.57')

B12/ MW05

MW25 (14.68')

IW50

MW21 (14.59')

SOUTH LAKE UNION HOTEL LLC

MW22 (14.68')

B37/MW13 (14.91')

IW61

B27/ MW09

MW23 (14.59')

IW91 (14.49')

HISTORICAL BUILDING FACADE

B38/ MW14

B50/ MW16

MW28 (14.74')

THOMAS STREET

B55/MW30 (13.69')*

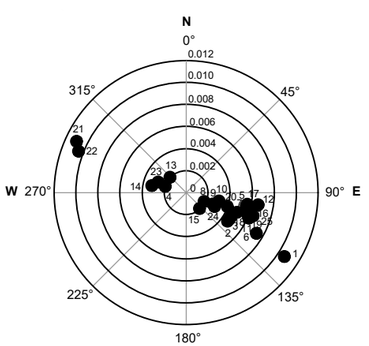
B54/MW29 (14.66')

ONNI MW-9 (14.42')

FORMER SEATTLE TIMES SITE

ONNI MW-4 (14.58')

ONNI MW-5 (14.83')*



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

LEGEND

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

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FIGURE 13
GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM (JUNE 6, 2022)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_CM-042022.DWG

B56/MW31 (17.07')

B58/MW33 (17.12')

B08/MW01 (16.43')

MW26 (14.92')

B57/ MW32 (14.92')

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

IW06

IW04

MW17 (15.02')

B11/MW04 (17.19')

B15/ MW07 (16.83')

MW18 (14.90')

TROY LAUNDRY PROPERTY

BRAVEHORSE TAVERN

AMAZON BUILDING

B31/ MW12

B13/ MW06

MW19 (14.95')

MW20 (14.89')

B28/ MW10

B30/ MW11

MW24 (14.90')

B26/ MW08

MW34 (17.35')

B49/MW15

MW27 (14.91')

B12/ MW05

MW25 (14.93')

IW50

MW21 (14.88')

SOUTH LAKE UNION HOTEL LLC

MW22 (14.86')

B37/MW13 (15.11')

IW61

B27/ MW09

MW23 (14.86')

IW91 (14.79')

B38/ MW14

HISTORICAL BUILDING FACADE

B50/ MW16

THOMAS STREET

MW28 (14.89')

B55/MW30

B54/MW29

ONNI MW-9

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

17'

16'

15'

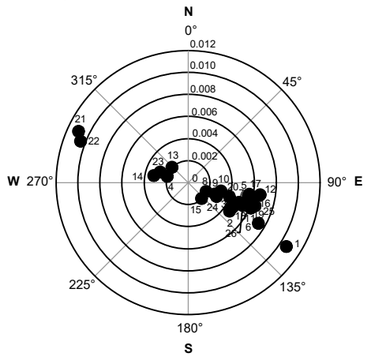
N

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
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (14.86') — GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (DECEMBER 13, 2022)



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	26	12/13/22
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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399 FAIRVIEW AVENUE NORTH
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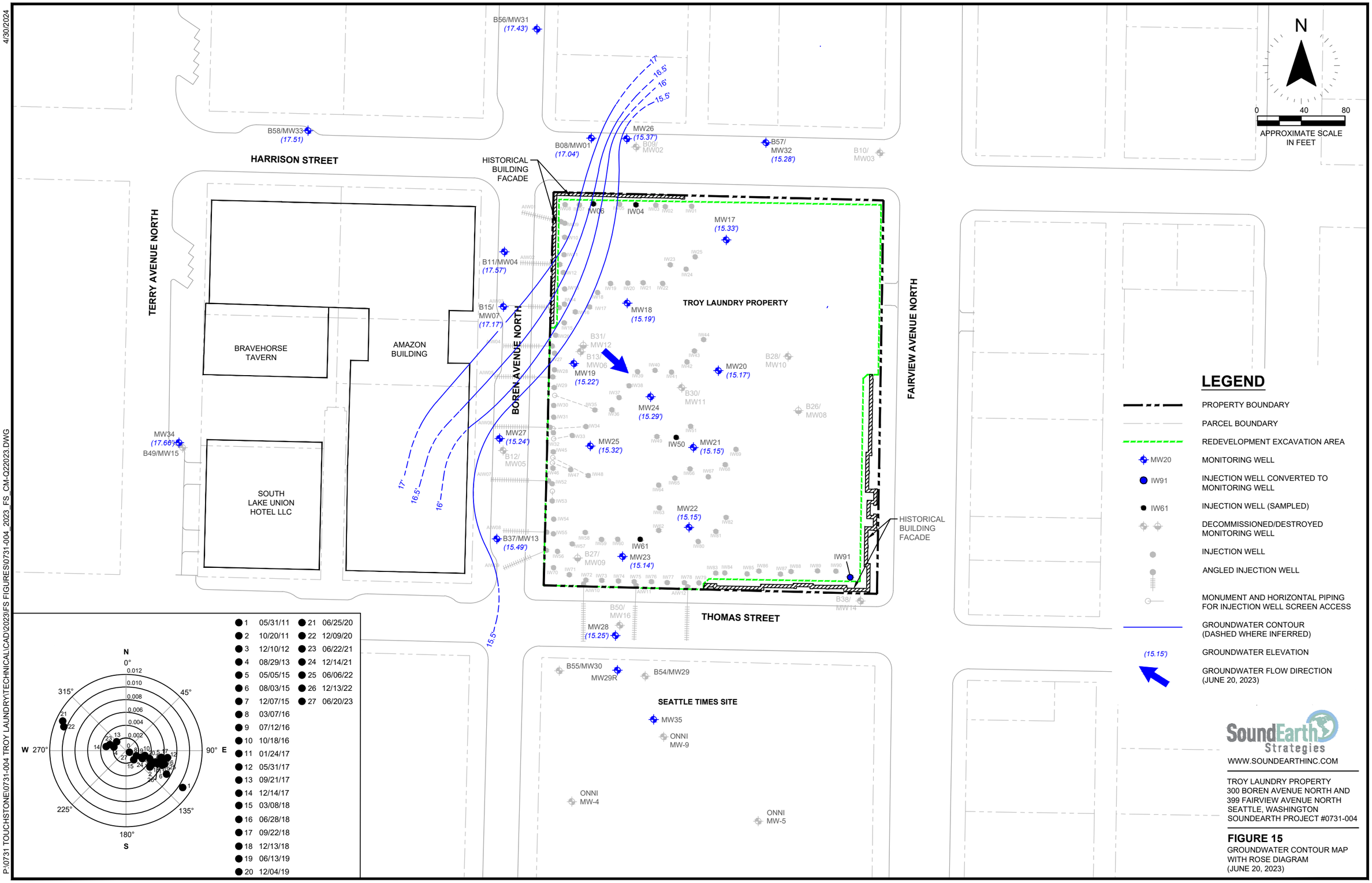
FIGURE 14
GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM (DECEMBER 13, 2022)

4/30/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_CM-022023.DWG



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	26	12/13/22
7	12/07/15	27	06/20/23
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		

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
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (15.15') — GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (JUNE 20, 2023)

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

FIGURE 15
GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM
(JUNE 20, 2023)

4/30/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_CM-042023.DWG

HARRISON STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

THOMAS STREET

TROY LAUNDRY PROPERTY

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

SEATTLE TIMES SITE

HISTORICAL BUILDING FACADE

HISTORICAL BUILDING FACADE

B56/MW31 (17.30')

B58/MW33 (17.37')

B08/MW01 (16.77')

MW26 (15.53')

B59/MW02

B57/MW32 (15.38')

B10/MW03

B11/MW04 (17.44')

B15/MW07 (17.14')

MW34 (17.55')

B49/MW15

MW27 (15.32')

B12/MW05

B37/MW13 (15.59')

B27/MW09

B31/MW12

B13/MW06

MW19 (15.38')

MW18 (15.35')

MW17 (15.40')

MW20 (15.36')

B28/MW10

B30/MW11

MW24 (15.29')

B26/MW08

MW25 (15.47')

IW50

MW21 (15.32')

MW22 (15.32')

IW61

MW23 (15.35')

IW91 (16.24')

B38/MW14

B29/MW10

MW28 (15.85')

B55/MW30

MW29R

B54/MW29

MW35

ONNI MW-9

ONNI MW-4

ONNI MW-5

17.5'

16.5'

15.5'

16.5

17.5'

15.5'

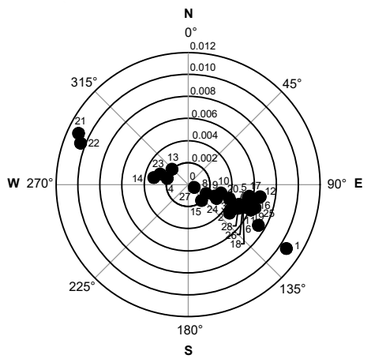
N

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
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- (15.15') — GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (DECEMBER 4, 2023)



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	26	12/13/22
7	12/07/15	27	06/20/23
8	03/07/16	28	12/04/23
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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300 BOREN AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
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FIGURE 16
GROUNDWATER CONTOUR MAP WITH ROSE DIAGRAM (DECEMBER 4, 2023)

5/8/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PPCD_GAR-CVOCS.DWG

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW01	06/07/22	<1	0.73	<1	<1	<0.02
	12/14/22	<1	<0.5	<1	<1	<0.02
	06/21/23	<1	<0.5	<1	<1	<0.02
	12/06/23	<1	<0.5	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW31	06/07/22	<1	4.2	<1	<1	<0.02
	12/14/22	<1	3.5	<1	<1	<0.02
	06/21/23	<1	4.1	<1	<1	<0.02
	12/06/23	<1	2.6	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW26	06/08/22	<1	3.5	<1	<1	0.038
	12/14/22	<1	10	<1	<1	<0.2
	06/22/23	<1	11	<1	<1	<0.02
	12/06/23	<1	5.8	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW32	06/07/22	<1	<0.5	<1	<1	<0.02
	12/14/22	<1	<0.5	<1	<1	<0.02
	06/21/23	<1	<0.5	<1	<1	<0.02
	12/05/23	<1	<0.5	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	DCE	DCE	Chloride
MW33	06/07/22	<1	<0.5	<1	<1	<0.02
	12/13/22	<1	<0.5	<1	<1	<0.02
	06/20/23	<1	<0.5	<1	<1	<0.02
	12/05/23	<1	<0.5	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW04	06/09/22	<1	<0.5	<1	<1	0.34
	12/15/22	<1	<0.5	<1	<1	0.28
	06/22/23	<1	<0.5	<1	<1	0.26
	12/07/23	<1	<0.5	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW04	06/07/22	<1	9.2	<1	<1	<0.02
	12/14/22	<1	8.2	<1	<1	<0.02
	06/22/23	<1	9.3	<1	<1	<0.02
	12/08/23	<1	9.4	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW06	06/09/22	<1	<0.5	<1	<1	<0.02
	12/15/22	1.7	<0.5	<1	<1	<0.02
	06/22/23	1.1	<0.5	<1	<1	<0.02
	12/07/23	1.4	<0.5	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW17	06/27/20	<1	<1	<1	<1	<0.2
	12/12/20	<1	<1	<1	<1	<0.2
	06/25/21	<1	1.7	<1	<1	<0.2
	12/17/21	<1	1.5	<1	<1	<0.2
	Well not sampled 2022 or 2023					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW18	06/09/22	<1	<0.5	<1	<1	1.6
	12/15/22	<1	<0.5	<1	<1	1.1
	06/22/23	<1	<0.5	<1	<1	1.4
	12/07/23	<1	<0.5	<1	<1	1.3

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW20	06/27/20	<1	1.2	6.1	<1	<0.2
	12/12/20	<1	1.3	6.0	<1	<0.2
	06/25/21	<1	1.6	5.3	<1	<0.2
	12/17/21	<1	0.94	5.2	<1	<0.2
	Well not sampled 2022 or 2023					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW07	06/07/22	2.9	6.5	<1	<1	<0.02
	12/14/22	2.5	5.9	<1	<1	<0.02
	06/22/23	2.4	5.1	<1	<1	<0.02
	12/08/23	2.1	4.8	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW19	06/09/22	<1	<0.5	<1	<1	1.9
	12/16/22	<1	<0.5	<1	<1	1.9
	06/22/23	<1	<0.5	<1	<1	0.3
	12/07/23	<1	<0.5	<1	<1	2.8

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW50	06/09/22	<1	<0.5	6.9	<1	2.4
	12/16/22	4.7	2.1	35	<1	6.4
	06/23/23	1.8	0.79	18	<1	5.8
	12/07/23	7.6	3.1	22	<1	5.4

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW34	06/07/22	<1	5.9	<1	<1	<0.02
	12/14/22	<1	5.2	<1	<1	<0.02
	06/21/23	<1	4.8	<1	<1	<0.02
	12/06/23	<1	6.4	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW21	06/09/22	<1	<0.5	12	<1	1.9
	12/15/22	<1	<0.5	12	<1	1.4
	06/23/23	<1	<0.5	1	<1	2.0
	12/07/23	<1	<0.5	4.5	<1	2.6

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW24	06/09/22	<1	<0.5	74	<1	1.10
	12/16/22	<1	<0.5	64	<1	6.1
	06/23/23	<1	<0.5	<1	<1	1.5
	12/07/23	<1	<0.5	1.5	<1	2.0

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW22	06/09/22	<1	<0.5	52	<1	1.3
	12/16/22	<1	0.52	58	<1	1.1
	06/23/23	<1	<0.5	21	<1	0.5
	12/07/23	<1	<0.5	52	<1	1.6

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW27	06/08/22	<1	16	2.7	<1	<0.02
	12/15/22	<1	16	4.6	<1	<0.02
	06/21/23	<1	15	5.3	<1	<0.02
	12/06/23	<1	4.5	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW61	06/09/22	<1	<0.5	25	<1	3.2
	12/16/22	<1	<0.5	57	<1	2.7
	06/23/23	<1	<0.5	36	<1	2.7
	12/07/23	<1	<0.5	41	<1	3.8

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW25	06/09/22	1.3	1.3	9.6	<1	4.1
	12/16/22	3.2	3.8	5.9	<1	2.2
	6/23/23	2.7	3.2	2.2	<1	1.3
	12/07/23	4.1	5.5	3.4	<1	1.9

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
IW91	06/27/20	<1	<1	<1	<1	<0.2
	12/12/20	<1	<1	<1	<1	<0.2
	06/25/21	<1	<1	<1	<1	<0.2
	12/17/21	<1	<0.5	<1	<2	<0.2
	Well not sampled 2022 or 2023					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW13	06/08/22	5.0	0.86	<1	<1	<0.02
	12/14/22	4.8	0.57	<1	<1	<0.02
	06/22/23	4.3	<0.5	<1	<1	<0.02
	12/06/23	5.2	0.67	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW23	06/27/20	<1	<1	30	<1	0.76
	12/12/20	<1	<1	30	<1	0.85
	06/25/21	<1	<1	26	<1	0.97
	12/17/21	<1	<0.5	15	<1	3.7
	Well not sampled 2022 or 2023					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW28	06/09/22	2.7	1.4	23	<1	0.082
	12/15/22	2.9	1.2	17	<1	0.067
	06/21/23	<1	<0.5	5.6	<1	<0.02
	12/04/23	1.6	1.2	10	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW30	12/10/20	<1	2.4	13	<1	<0.2
	06/23/21	<1	2.0	7.4	<1	<0.2
	12/15/21	<1	2.2	5.2	<1	<0.2
	06/06/22	<1	2.3	3.5	<1	0.029
	WELL DECOMMISSIONED 2022					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW29R	08/24/23	18	11	33	<1	<0.2
	01/05/24	8.5	2.2	2.3	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW29	12/10/20	18	13	18	<1	<0.2
	06/22/21	14	11	16	<1	<0.2
	12/15/21	15	12	14	<1	<0.2
	06/08/22	20	15	10	<1	0.13
	WELL DECOMMISSIONED 2022					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
MW35	08/24/23	<1	<0.5	<1	<1	<0.2
	01/05/24	1.4	<0.5	<1	<1	<0.2

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
ONNI-MW-9	12/14/21	<1	<0.5	1.3	<1	<0.2
	06/06/22	<1	<0.5	1.3	<1	<0.02
	WELL DECOMMISSIONED 2022					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
ONNI-MW-4	06/25/20	<1	<1	<1	<1	<0.2
	12/10/20	<1	<1	<1	<1	<0.2
	06/22/21	<1	<1	<1	<1	<0.2
	12/15/21	<1	<0.5	<1	<1	<0.2
	WELL DECOMMISSIONED 2022					

Sample Location	Sample Date	Analytical Results (micrograms per liter) PCE	TCE	cis-1-2-DCE	trans-1-2-DCE	Vinyl Chloride
ONNI-MW-5	06/25/20	<1	<1	<1	<1	<0.2
	12/09/20	<1	<1	<1	<1	<0.2
	06/23/21	<1	<1	<1	<1	<0.2
	12/14/21	<1	<0.5	<1	<1	<0.2
	WELL DECOMMISSIONED 2022					

B56/MW31
B58/MW33
B08/ MW01
MW26
B09/ MW02
B57/MW32
B10/ MW03
HARRISON STREET
IW06
IW04
MW17
B11/MW04
B15/MW07
MW18
TROY LAUNDRY PROPERTY
BOREN AVENUE NORTH
FAIRVIEW AVENUE NORTH
B31/ MW12
B13/ MW06
MW19
MW20
B28/ MW10
MW24
B30/ MW11
B26/ MW08
MW34 B49/MW15
MW27
B12/ MW05
MW25
IW50
MW21
MW22
IW61
MW23
B37/MW13
B27/ MW09
IW91
B38/ MW14
THOMAS STREET
MW28
B50/ MW16
MW29R
B54/MW29
B55/MW30
SEATTLE TIMES SITE
MW35
ONNI MW-9
ONNI MW-4
ONNI MW-5

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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

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

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

FIGURE 17

GROUNDWATER ANALYTICAL RESULTS FOR CHLORINATED VOLATILE ORGANIC COMPOUNDS

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PCE-PRE.DWG

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

IW06

IW04

MW17

B11/MW04

TROY LAUNDRY PROPERTY

B15/MW07

MW18

TERRY AVENUE NORTH

BRAVEHORSE TAVERN

AMAZON BUILDING

BOREN AVENUE NORTH

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

IW50

MW27

B12/ MW05

MW25

MW21

B49/MW15

SOUTH LAKE UNION HOTEL LLC

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

HISTORICAL BUILDING FACADE

FAIRVIEW AVENUE NORTH

B38/ MW14

B0/MW16

IW93

IW94

MW28

THOMAS STREET

B54/MW29

B55/MW30

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

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APPROXIMATE SCALE IN FEET

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
MW26	FUTURE GROUNDWATER MONITORING WELL NOT PRESENT DURING 2015 BASELINE GROUNDWATER MONITORING EVENT
MW-5	MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
IW91	INJECTION WELL CONVERTED TO MONITORING WELL
IW61	INJECTION WELL (SAMPLED)
	DECOMMISSIONED/DESTROYED MONITORING WELL
	APPROXIMATE EXTENTS OF PRE-TREATMENT PCE AND TCE PLUME ABOVE MTCA CLEANUP LEVEL ORIGINATING FROM THE TROY PROPERTY
	DENOTES PCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
	DENOTES TCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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FIGURE 18

EXTENT OF TROY PROPERTY PCE AND TCE GROUNDWATER PLUME - PRE-INTERIM REMEDIAL ACTION (Q2 2015)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_VC-PRE.DWG

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

IW06

IW04

TERRY AVENUE NORTH

BORON AVENUE NORTH

FAIRVIEW AVENUE NORTH

B11/MW04

MW17

TROY LAUNDRY PROPERTY

B15/MW07

MW18

BRAVEHORSE TAVERN

AMAZON BUILDING

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

B30/ MW11

MW24

B26/ MW08

IW50

MW27

MW21

B12/ MW05

MW25

B49/MW15

SOUTH LAKE UNION HOTEL LLC

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

HISTORICAL BUILDING FACADE

B38/ MW14

B50/ MW16

MW28

THOMAS STREET

B55/MW30

B54/MW29

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

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APPROXIMATE SCALE IN FEET

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
MW26	FUTURE GROUNDWATER MONITORING WELL NOT PRESENT DURING 2015 BASELINE GROUNDWATER MONITORING EVENT
MW-5	MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
IW91	INJECTION WELL CONVERTED TO MONITORING WELL
IW61	INJECTION WELL (SAMPLED)
	DECOMMISSIONED/DESTROYED MONITORING WELL
	APPROXIMATE EXTENTS OF PRE-TREATMENT cis-1,2-DCE/VC PLUME ABOVE MTCA CLEANUP LEVEL ORIGINATING FROM THE TROY PROPERTY
	DENOTES cis-1,2-DCE/VC CONCENTRATIONS EXCEED MTCA CLEANUP LEVEL
DCE	DICHLOROETHENE
VC	VINYL CHLORIDE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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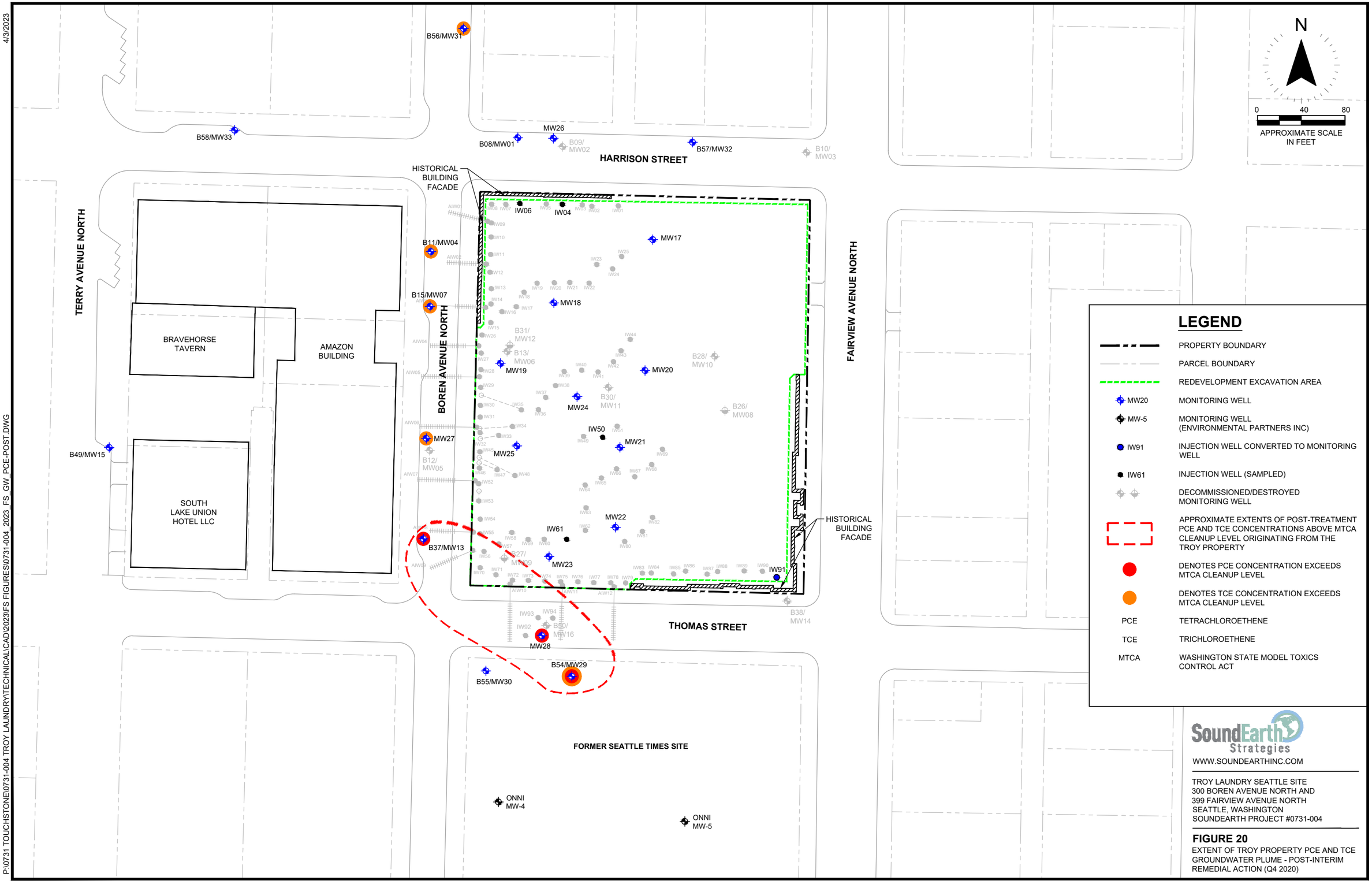
300 BORON AVENUE NORTH AND
399 FAIRVIEW AVENUE NORTH
SEATTLE, WASHINGTON
SOUNDEARTH PROJECT #0731-004

FIGURE 19
EXTENT OF TROY PROPERTY
cis-1,2-DCE/VC GROUNDWATER PLUME - PRE-INTERIM REMEDIAL ACTION (Q2 2015)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_GW_PCE-POST.DWG



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
	APPROXIMATE EXTENTS OF POST-TREATMENT PCE AND TCE CONCENTRATIONS ABOVE MTCA CLEANUP LEVEL ORIGINATING FROM THE TROY PROPERTY
	DENOTES PCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
	DENOTES TCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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

FIGURE 20

EXTENT OF TROY PROPERTY PCE AND TCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q4 2020)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_GW_VC-POST.DWG

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

B49/MW15

B11/MW04

B15/MW07

B31/ MW12

B13/ MW06

B12/ MW05

B37/MW13

B27/ MW09

B28/ MW10

B30/ MW11

B26/ MW08

B50/ MW16

B38/ MW14

IW06

IW04

MW17

MW18

MW19

MW20

MW24

MW27

MW25

IW50

MW21

MW22

IW61

MW23

IW91

MW28

B54/MW29

B55/MW30

THOMAS STREET

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

HISTORICAL BUILDING FACADE

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0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
MW-5	MONITORING WELL (ENVIRONMENTAL PARTNERS INC)
IW91	INJECTION WELL CONVERTED TO MONITORING WELL
IW61	INJECTION WELL (SAMPLED)
	DECOMMISSIONED/DESTROYED MONITORING WELL
	APPROXIMATE EXTENTS OF POST-TREATMENT cis-1,2-DCE/VC CONCENTRATIONS ABOVE MTCA CLEANUP LEVEL ORIGINATING FROM THE TROY PROPERTY
	DENOTES cis-1,2-DCE/VC CONCENTRATIONS EXCEED MTCA CLEANUP LEVEL
DCE	DICHLOROETHENE
VC	VINYL CHLORIDE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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SOUNDEARTH PROJECT #0731-004

FIGURE 21

EXTENT OF TROY PROPERTY
cis-1,2-DCE/VC GROUNDWATER PLUME -
POST-INTERIM REMEDIAL ACTION (Q4 2020)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PCE-POSTQ22021.DWG 2021.DWG

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APPROXIMATE SCALE IN FEET

HARRISON STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

THOMAS STREET

TROY LAUNDRY PROPERTY

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

FORMER SEATTLE TIMES SITE

HISTORICAL BUILDING FACADE

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

IW06

IW04

B11/MW04

MW17

B15/MW07

MW18

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

IW50

MW21

MW27

B12/ MW05

MW25

B49/MW15

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

B38/ MW14

B50/ MW16

MW28

B54/MW29

B55/MW30

ONNI MW-4

ONNI MW-5

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
MW-5	MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
IW91	INJECTION WELL CONVERTED TO MONITORING WELL
IW61	INJECTION WELL (SAMPLED)
	DECOMMISSIONED/DESTROYED MONITORING WELL
	APPROXIMATE EXTENTS OF POST-TREATMENT PCE AND TCE PLUME ABOVE MTCA CLEANUP LEVEL ORIGINATING FROM THE TROY PROPERTY
	DENOTES PCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
	DENOTES TCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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FIGURE 22

EXTENT OF TROY PROPERTY PCE AND TCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q2 2021)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_VC-POST.DWG

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0 40 80

APPROXIMATE SCALE IN FEET

HARRISON STREET

THOMAS STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

TROY LAUNDRY PROPERTY

HISTORICAL BUILDING FACADE

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

FORMER SEATTLE TIMES SITE

B56/MW31

B58/MW33

B08/MW01

MW26

B09/MW02

B57/MW32

B10/MW03

IW06

IW04

B11/MW04

MW17

B15/MW07

MW18

B31/MW12

B13/MW06

MW19

MW20

B28/MW10

MW24

B30/MW11

B26/MW08

IW50

MW27

MW25

MW21

B12/MW05

B49/MW15

IW61

MW22

B37/MW13

B27/MW09

MW23

IW91

B38/MW14

B29/MW16

MW28

B54/MW29

B55/MW30

ONNI MW-4

ONNI MW-5

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
- 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 MTCA CLEANUP LEVEL
- DCE — DICHLOROETHENE
- VC — VINYL CHLORIDE
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT

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FIGURE 23

EXTENT OF TROY PROPERTY cis-1,2-DCE/VC GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q2 2021)

4/30/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q42021_PCE-POST.DWG

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

MW34

B49/MW15

MW27

B12/ MW05

IW50

MW21

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

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

FAIRVIEW AVENUE NORTH

N

0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
MW-5	MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
IW91	INJECTION WELL CONVERTED TO MONITORING WELL
IW61	INJECTION WELL (SAMPLED)
	DECOMMISSIONED/DESTROYED MONITORING WELL
	APPROXIMATE EXTENTS OF POST-TREATMENT PCE AND TCE PLUME ABOVE MTCA CLEANUP LEVEL ORIGINATING FROM THE TROY PROPERTY
	DENOTES PCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
	DENOTES TCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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FIGURE 24

EXTENT OF TROY PROPERTY PCE AND TCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q4 2021)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q42021_VC-POST.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

TERRY AVENUE NORTH

BORON AVENUE NORTH

FAIRVIEW AVENUE NORTH

B11/MW04

B15/MW07

IW06

IW04

MW17

TROY LAUNDRY PROPERTY

MW18

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

IW50

MW21

MW25

MW27

B12/ MW05

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

HISTORICAL BUILDING FACADE

B38/ MW14

THOMAS STREET

B50/ MW16

MW28

B54/MW29

B55/MW30

BRAVEHORSE TAVERN

AMAZON BUILDING

MW34

B49/MW15

SOUTH LAKE UNION HOTEL LLC

ONNI MW-9

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
MW-5	MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
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 MTCA CLEANUP LEVEL
DCE	DICHLOROETHENE
VC	VINYL CHLORIDE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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FIGURE 25

EXTENT OF TROY PROPERTY cis-1,2-DCE/VC GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q4 2021)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q2_TCE-POST.DWG

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

MW27

MW21

MW25

B12/ MW05

MW34

B49/MW15

SOUTH LAKE UNION HOTEL LLC

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

HISTORICAL BUILDING FACADE

FAIRVIEW AVENUE NORTH

B38/ MW14

THOMAS STREET

B50/ MW16

MW28

B54/MW29

B55/MW30

ONNI MW-9

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

N

0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- DENOTES PCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
- DENOTES TCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
- PCE — TETRACHLOROETHENE
- TCE — TRICHLOROETHENE
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT

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FIGURE 26

EXTENT OF TROY PROPERTY PCE AND TCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q2 2022)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q4_VC-POST.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

HARRISON STREET

THOMAS STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

TROY LAUNDRY PROPERTY

HISTORICAL BUILDING FACADE

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

FORMER SEATTLE TIMES SITE

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

B11/MW04

B15/MW07

MW17

MW18

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

IW50

MW25

MW21

MW27

B12/ MW05

MW34

B49/MW15

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

B38/ MW14

B59/ MW16

MW28

B54/MW29

B55/MW30

ONNI MW-9

ONNI MW-4

ONNI MW-5

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 MTCA CLEANUP LEVEL
- DCE — DICHLOROETHENE
- VC — VINYL CHLORIDE
- MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT

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FIGURE 27

EXTENT OF TROY PROPERTY cis-1,2-DCE/VC GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q2 2022)

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q4_TCE-POST.DWG

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

MW34

B49/MW15

MW27

MW21

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

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

FAIRVIEW AVENUE NORTH

N

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
	DENOTES TCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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FIGURE 28

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

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q4_VC-POST.DWG

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

IW06

IW04

MW17

B11/MW04

TROY LAUNDRY PROPERTY

B15/MW07

MW18

BRAVEHORSE TAVERN

AMAZON BUILDING

B31/ MW12

B13/ MW06

MW19

B28/ MW10

MW20

MW24

B30/ MW11

B26/ MW08

IW50

MW34

B49/MW15

MW27

B12/ MW05

MW25

MW21

SOUTH LAKE UNION HOTEL LLC

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

HISTORICAL BUILDING FACADE

B38/ MW14

THOMAS STREET

B59/ MW16

MW28

B54/MW29

B55/MW30

ONNI MW-9

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

N

0 40 80

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- 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 MTCA CLEANUP LEVEL

DCE — DICHLOROETHENE

VC — VINYL CHLORIDE

MTCA — WASHINGTON STATE MODEL TOXICS CONTROL ACT

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399 FAIRVIEW AVENUE NORTH
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FIGURE 29

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

4/30/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q22023_TCE-POST.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

HARRISON STREET

FAIRVIEW AVENUE NORTH

TERRY AVENUE NORTH

BOREN AVENUE NORTH

THOMAS STREET

TROY LAUNDRY PROPERTY

HISTORICAL BUILDING FACADE

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

SEATTLE TIMES SITE

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

IW06

IW04

B11/MW04

MW17

B15/MW07

MW18

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

MW34

B49/MW15

MW27

B12/ MW05

MW25

IW50

MW21

IW61

MW22

B37/MW13

B27/ MW09

MW23

IW91

B38/ MW14

B50/ MW16

MW28

B54/MW29

B55/MW30

MW29R

MW35

ONNI MW-9

ONNI MW-4

ONNI MW-5

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 PCE CONCENTRATION EXCEEDS APPLICABLE MTCA CLEANUP LEVEL
	DENOTES TCE CONCENTRATION EXCEEDS APPLICABLE MTCA CLEANUP LEVEL
CVOC	CHLORINATED VOLATILE ORGANIC COMPOUND
PCE	TETRACHLOROETHYLENE
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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399 FAIRVIEW AVENUE NORTH
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FIGURE 30

EXTENT OF TROY PROPERTY PCE AND TCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q2 2023)

4/30/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q22023_VC-POST.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

HARRISON STREET

THOMAS STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

TROY LAUNDRY PROPERTY

HISTORICAL BUILDING FACADE

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

SEATTLE TIMES SITE

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

B11/MW04

B15/MW07

B49/MW15

MW27

B12/ MW05

B37/MW13

IW06

IW04

MW17

MW18

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

IW50

MW21

MW25

MW22

IW61

MW23

IW91

B27/ MW09

B38/ MW14

B50/ MW16

MW28

MW29R

B55/MW30

B54/MW29

MW35

ONNI MW-9

ONNI MW-4

ONNI MW-5

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

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

FIGURE 31

EXTENT OF TROY PROPERTY VC/cis-1,2-DCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q2 2023)

4/30/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q42023_TCE-POST.DWG

HARRISON STREET

THOMAS STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

TROY LAUNDRY PROPERTY

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

SEATTLE TIMES SITE

HISTORICAL BUILDING FACADE

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

B11/MW04

B15/MW07

MW17

MW18

B31/ MW12

B13/ MW06

MW19

B28/ MW10

MW20

MW24

B30/ MW11

B26/ MW08

IW50

MW21

MW27

B12/ MW05

MW25

MW34

B49/MW15

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

B38/ MW14

B50/ MW16

MW28

B54/MW29

B55/MW30

MW29R

MW35

ONNI MW-9

ONNI MW-4

ONNI MW-5

IW06

IW04

N

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
	DENOTES PCE CONCENTRATION EXCEEDS APPLICABLE MTCA CLEANUP LEVEL
	DENOTES TCE CONCENTRATION EXCEEDS APPLICABLE MTCA CLEANUP LEVEL
CVOC	CHLORINATED VOLATILE ORGANIC COMPOUND
PCE	TETRACHLOROETHYLENE
TCE	TRICHLOROETHENE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

SoundEarth Strategies

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FIGURE 32

EXTENT OF TROY PROPERTY PCE AND TCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q4 2023)

4/30/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_Q42023_VC-POST.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

HARRISON STREET

FAIRVIEW AVENUE NORTH

TERRY AVENUE NORTH

BOREN AVENUE NORTH

THOMAS STREET

TROY LAUNDRY PROPERTY

HISTORICAL BUILDING FACADE

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

SEATTLE TIMES SITE

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

IW06

IW04

B11/MW04

MW17

B15/MW07

MW18

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

IW50

MW27

MW25

MW21

B12/ MW05

B49/MW15

IW61

MW22

B37/MW13

B27/ MW09

MW23

IW91

B38/ MW14

B50/ MW16

MW28

MW29R

B55/MW30

B54/MW29

MW35

ONNI MW-9

ONNI MW-4

ONNI MW-5

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

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FIGURE 33

EXTENT OF TROY PROPERTY VC/cis-1,2-DCE GROUNDWATER PLUME - POST-INTERIM REMEDIAL ACTION (Q4 2023)

5/23/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PCE-POST-EXTR.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

HARRISON STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

THOMAS STREET

TROY LAUNDRY PROPERTY

HISTORICAL BUILDING FACADE

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

FORMER SEATTLE TIMES SITE

B56/MW31

B58/MW33

B08/MW01

MW26

B57/MW32

B10/ MW03

IW06

IW04

B11/MW04

MW17

B15/MW07

MW18

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

MW34

B49/MW15

MW27

MW05

MW25

IW50

MW21

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

B38/ MW14

B50/ MW16

MW28

MW29R

B54/MW29

B55/MW30

MW35

ONNI MW-9

ONNI MW-4

ONNI MW-5

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- TROY SITE BOUNDARY BASED ON THE EXTENT OF CVOC GROUNDWATER PLUME ABOVE MTCA CLEANUP LEVEL (Q2 2023 AND Q4 2023)
- APPROXIMATE EXTENT OF POTENTIAL COMINGLING OF CVOC IMPACTS ORIGINATING FROM THE TROY PROPERTY AND TCE IMPACTS ORIGINATING OFF-PROPERTY
- DENOTES PCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
- DENOTES TCE CONCENTRATION EXCEEDS MTCA CLEANUP LEVEL
- DENOTES cis-1,2-DCE/VC CONCENTRATION EXCEEDS CLEANUP LEVEL

CVOC	CHLORINATED VOLATILE ORGANIC COMPOUND
DCE	DICHLOROETHENE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE
MTCA	WASHINGTON STATE MODEL TOXICS CONTROL ACT

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SOUNDEARTH PROJECT #0731-004

FIGURE 34
TROY SITE BOUNDARY MAP

4/3/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_GWF.DWG

QUEEN ANNE AREA

ALOHA STREET

VALLEY STREET

ROY STREET

MERCER STREET

BROAD STREET

SEATTLE CENTER

AURORA AVENUE NORTH SR-99

DEXTER AVENUE NORTH

8TH AVENUE NORTH

9TH AVENUE NORTH

WESTLAKE AVENUE NORTH

SOUTH LAKE UNION PARK

FAIRVIEW AVENUE NORTH

MERCER ON/OFF RAMP

INTERSTATE I-5 SOUTH

INTERSTATE I-5 NORTH

BLOCK 38 WEST

BLOCK 45

REPUBLICAN STREET

HARRISON STREET

FORMER TROY LAUNDRY PROPERTY

CASCADE PLAYGROUND

THOMAS STREET

JOHN STREET

TERRY AVENUE NORTH

BOREN AVENUE

MINOR AVENUE NORTH

PONTIUS AVENUE NORTH

YALE AVENUE NORTH

WESTLAKE AVENUE NORTH

DENNY PARK

DENNY WAY

23.4'

26'

27'

28.7'

19.6'

17.6'

16'

17.5'

18.5'

17'

N

0 200 400

APPROXIMATE SCALE IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- 19' ESTIMATED CONTOUR FOR GROUNDWATER ELEVATION IN FEET
- 20' INTERPRETED CONTOUR FOR GROUNDWATER ELEVATION IN FEET
- ESTIMATED GROUNDWATER DIVIDE
- 27' APPROXIMATE GROUNDWATER ELEVATION IN FEET
- GROUNDWATER FLOW DIRECTION

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FIGURE 35
REGIONAL GROUNDWATER FLOW DIRECTIONS - SOUTH LAKE UNION

4/30/2024

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PCE-POST_A1.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

HARRISON STREET

THOMAS STREET

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

TROY LAUNDRY PROPERTY

HISTORICAL BUILDING FACADE

BRAVEHORSE TAVERN

AMAZON BUILDING

SOUTH LAKE UNION HOTEL LLC

FORMER SEATTLE TIMES SITE

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

B11/MW04

B15/MW07

IW06

IW04

MW17

MW18

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

MW27

B12/ MW05

MW25

IW50

MW21

MW34

B49/MW15

B37/MW13

IW61

MW22

MW23

B27/ MW09

IW91

B38/ MW14

IW93

IW94

IW92

B50/ MW16

MW28

MW29R

B54/MW29

B55/MW30

MW35

ONNI MW-9

ONNI MW-4

ONNI MW-5

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- IW96 — INJECTION WELL
- APPROXIMATE EXTENTS OF POST-TREATMENT PCE, TCE, AND DCE PLUME ABOVE CLEANUP LEVELS ORIGINATING FROM THE TROY PROPERTY (Q2 2022 AND Q4 2022)
- DENOTES PCE CONCENTRATION EXCEEDS CLEANUP LEVEL
- DENOTES TCE CONCENTRATION EXCEEDS CLEANUP LEVEL
- DENOTES DCE AND/OR VC CONCENTRATION EXCEEDS CLEANUP LEVEL
- PROPOSED MONITORING WELLS TO BE SAMPLED
- PCE — TETRACHLOROETHENE
- TCE — TRICHLOROETHENE
- DCE — DICHLOROETHENE
- VC — VINYL CHLORIDE

NOTE:
MONITORING WELLS WILL BE INSTALLED TO REPLACE ABANDONED MONITORING WELLS MW29 AND MW30

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FIGURE 36
CLEANUP ACTION ALTERNATIVE 1, MONITORED NATURAL ATTENUATION AND ENVIRONMENTAL COVENANT

6/27/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PCE-POST_A1.DWG

N

0 40 80

APPROXIMATE SCALE IN FEET

B56/MW31

B58/MW33

B08/MW01

MW26

B09/ MW02

B57/MW32

B10/ MW03

HARRISON STREET

HISTORICAL BUILDING FACADE

TERRY AVENUE NORTH

BOREN AVENUE NORTH

FAIRVIEW AVENUE NORTH

IW06

IW04

B11/MW04

B15/MW07

MW17

TROY LAUNDRY PROPERTY

MW18

BRAVEHORSE TAVERN

AMAZON BUILDING

B31/ MW12

B13/ MW06

MW19

MW20

B28/ MW10

MW24

B30/ MW11

B26/ MW08

MW34

B49/MW15

MW27

B12/ MW05

MW25

IW50

MW21

SOUTH LAKE UNION HOTEL LLC

MW22

IW61

B37/MW13

B27/ MW09

MW23

IW91

HISTORICAL BUILDING FACADE

IW93

IW94

IW95

IW92

B30/ MW16

IW96

MW28

IW97

IW98

MW29R

B54/MW29

B55/MW30

B38/ MW14

THOMAS STREET

MW35

ONNI MW-9

FORMER SEATTLE TIMES SITE

ONNI MW-4

ONNI MW-5

LEGEND

	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	REDEVELOPMENT EXCAVATION AREA
MW20	MONITORING WELL
MW-5	MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
IW91	INJECTION WELL CONVERTED TO MONITORING WELL
IW61	INJECTION WELL (SAMPLED)
	DECOMMISSIONED/DESTROYED MONITORING WELL
IW95	PROPOSED INJECTION WELL
	PROPOSED EOS INJECTION
	APPROXIMATE EXTENTS OF POST-TREATMENT PCE, TCE, AND DCE PLUME ABOVE CLEANUP LEVELS ORIGINATING FROM THE TROY PROPERTY (Q2 2022 AND Q4 2022)
	DENOTES PCE CONCENTRATION EXCEEDS CLEANUP LEVEL
	DENOTES TCE CONCENTRATION EXCEEDS CLEANUP LEVEL
	DENOTES DCE AND/OR VC CONCENTRATION EXCEEDS CLEANUP LEVEL
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
DCE	DICHLOROETHENE
VC	VINYL CHLORIDE
MNA	MONITORED NATURAL ATTENUATION

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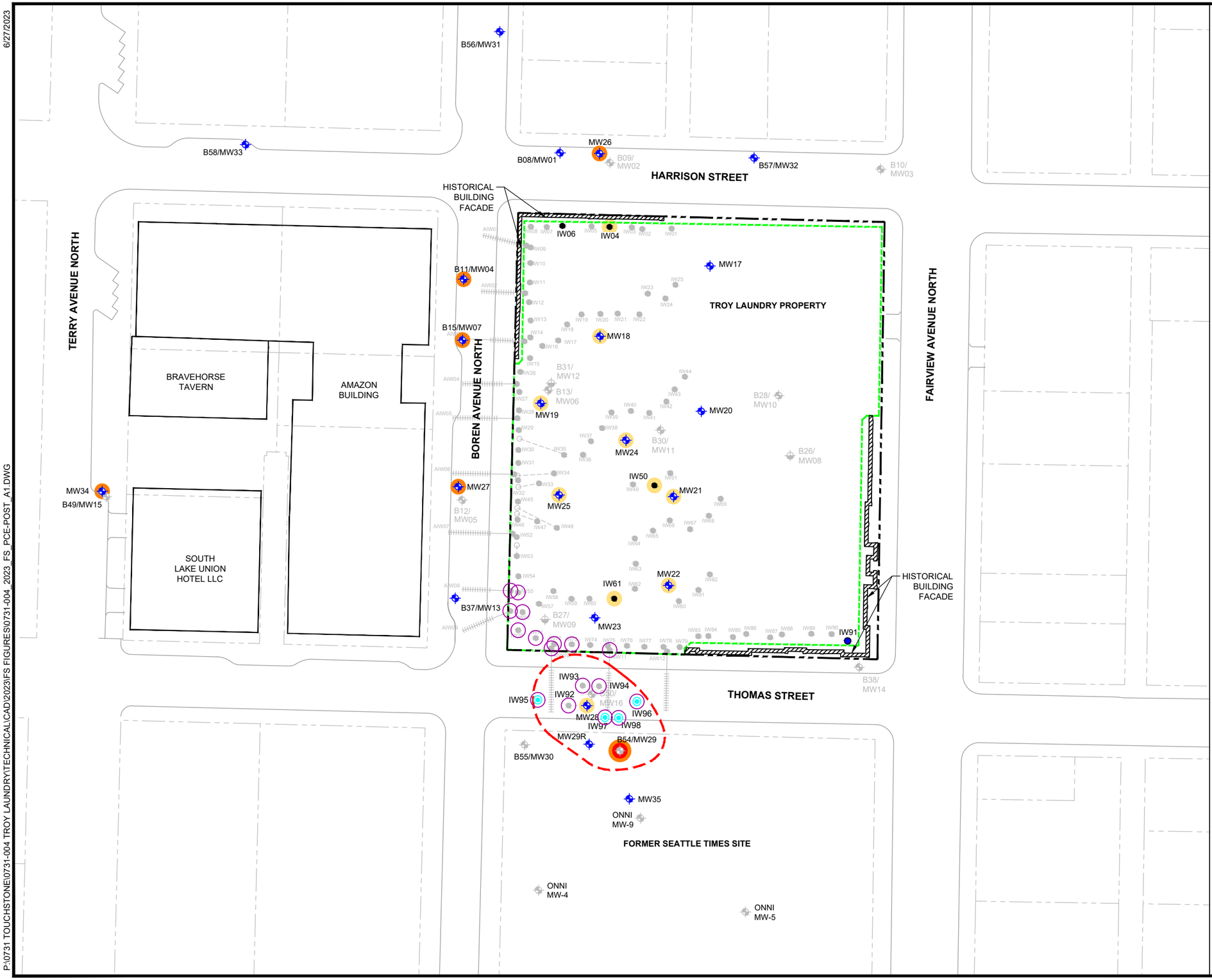
SOUNDEARTH PROJECT #0731-004

FIGURE 37

CLEANUP ACTION ALTERNATIVE 2,
IN SITU REDUCTIVE DECHLORINATION AND
ENVIRONMENTAL COVENANT WITH MNA

6/27/2023

P:\0731 TOUCHSTONE\0731-004 TROY LAUNDRY\TECHNICAL\CAD\2023\FS FIGURES\0731-004_2023_FS_PCE-POST_A1.DWG



N

0 40 80

APPROXIMATE SCALE
IN FEET

LEGEND

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- REDEVELOPMENT EXCAVATION AREA
- MW20 — MONITORING WELL
- MW-5 — MONITORING WELL (NOT SAMPLED) (ENVIRONMENTAL PARTNERS INC)
- IW91 — INJECTION WELL CONVERTED TO MONITORING WELL
- IW61 — INJECTION WELL (SAMPLED)
- DECOMMISSIONED/DESTROYED MONITORING WELL
- IW95 — PROPOSED INJECTION WELL
- PROPOSED PAC INJECTION
- APPROXIMATE EXTENTS OF POST-TREATMENT PCE, TCE, AND DCE PLUME ABOVE CLEANUP LEVELS ORIGINATING FROM THE TROY PROPERTY (Q2 2022 AND Q4 2022)
- DENOTES PCE CONCENTRATION EXCEEDS CLEANUP LEVEL
- DENOTES TCE CONCENTRATION EXCEEDS CLEANUP LEVEL
- DENOTES DCE AND/OR VC CONCENTRATION EXCEEDS CLEANUP LEVEL

PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
DCE	DICHLOROETHENE
VC	VINYL CHLORIDE
MNA	MONITORED NATURAL ATTENUATION
PAC	POWDER-ACTIVATED CARBON

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399 FAIRVIEW AVENUE NORTH
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FIGURE 38

CLEANUP ACTION ALTERNATIVE 3,
PAC ADSORPTION AND ENVIRONMENTAL
COVENANT WITH MNA

TABLES

SoundEarth Strategies

Table 1
Soil Analytical Results for Petroleum Hydrocarbons and VOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
On-Property																					
P01	73.93	P01-05	5	68.93	10/06/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P01-07.5	7.5	66.43			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P01-10	10	63.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P01-14	14	59.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P01-18.5	18.5	55.43			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.026	--	--
		P01-20	20	53.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.028	--	--
P02	73.93	P02-02	2	71.93	10/06/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.039	--	--
		P02-05	5	68.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.042	--	--
		P02-07.5	7.5	66.43			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.025	--	--
		P02-10	10	63.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.035	--	--
P03	73.93	P03-05	5	68.93	10/06/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.13**	--	--
		P03-09	9	64.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.099**	--	--
		P03-12.5	12.5	61.43			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.076**	--	--
		P03-16	16	57.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.057**	--	--
		P03-19	19	54.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.080**	--	--
P04	93.05	P04-02.5	2.5	90.55	10/06/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P04-05	5	88.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P04-07.5	7.5	85.55			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P04-10	10	83.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P04-13	13	80.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P04-17	17	76.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.029	--	--
		P04-20	20	73.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
P05	93.05	P05-02.5	2.5	90.55	10/06/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**1.4**	--	--
		P05-05	5	88.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**2.5**	--	--
		P05-07.5	7.5	85.55			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.073**	--	--
		P05-10	10	83.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.087**	--	--
		P05-15	15	78.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.082**	--	--
		P05-20	20	73.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.14**	--	--
P06	93.05	P06-02.5	2.5	90.55	10/06/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.15**	--	--
		P06-05	5	88.05			--	--	--	--		--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.68**	--	--
		P06-08	8	85.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.44**	--	--
		P06-11	11	82.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.028	--	--
		P06-14	14	79.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.063**	--	--
		P06-20	20	73.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.099**	--	--
P07	93.05	P07-02.5	2.5	90.55	10/06/10	SoundEarth	<2	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	0.047	--	--
		P07-05	5	88.05			<2	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**0.13**	--	--
		P07-07.5	7.5	85.55			<2	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**0.055**	--	--
		P01-11	11	82.05			**1,400**[x]	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**0.16**	--	--
P08	85.8215	P08-03	3	82.82	10/07/10	SoundEarth	**52**[x]	100[x]	<250	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	**0.15**	**63**	--	--
		P08-05	5	80.82			2.6[x]	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**0.46**	--	--
		P08-07.5	7.5	78.32			**580**[x]	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	**0.14**	**450**	--	--
		P08-10	10	75.82			**150**[x]	**4,300**[x]	**3,200**	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	**0.13**	**250**	--	--
		P08-14	14	71.82			<2	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**1.3**	--	--
		P08-18	18	67.82			<2	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**1.6**	--	--
		P08-23	23	62.82			<2	<50	<250	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**1.6**	--	--
MTCA Cleanup Level							**100/30**[a,b]	**2,000**[b]	**2,000**[b]	**0.03**[b]	**7**[b]	**6**[b]	**9**[b]	**0.67**[c]	**160**[d]	**1,600**[d]	**11**[c]	**0.03**[b]	**0.05**[b]	**0.7**[e]	**NE**

Table 1
Soil Analytical Results for Petroleum Hydrocarbons and VOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
P09	88.92304	P09-05	5	83.92	10/07/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.098**	--	--
		P09-07.5	7.5	81.42			<2	<50	<250	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P09-12	12	76.92			2.3[x]	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**0.076**	--	--
		P09-15	15	73.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.089**	--	--
P10	87.7803	P10-02.5	2.5	85.28	10/07/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.13**	--	--
		P10-07.5	7.5	80.28			<2	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	**0.066**	--	--
		P10-14	14	73.78			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.038	--	--
		P10-18	18	69.78			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.069**	--	--
		P10-22	22	65.78			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.030	--	--
P11	82.72992	P11-02.5	2.5	80.23	10/07/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P11-07.5	7.5	75.23			<2	<50	<250	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	0.039	--	--
		P11-11	11	71.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P11-14	14	68.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P11-18	18	64.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.10**	--	--
P12	92.26789	P12-05	5	87.27	10/07/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P12-10	10	82.27			<2	--	--	<0.03	<0.05	<0.05	<0.15	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P12-15	15	77.27			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
P13	84.61304	P13-02.5	2.5	82.11	10/07/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P13-07.5	7.5	77.11			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P13-10	10	74.61			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P13-18	18	66.61			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
P14	74.1706	P14-02.5	2.5	71.67	10/07/10	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P14-07.5	7.6	66.57			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P14-14	14	60.17			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		P14-20	20	54.17			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
P15	86.16	P15-07.5	7.5	78.66	02/20/14	SoundEarth	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0839	--
P16	85.8215	P16-02	2	83.82	02/20/14	SoundEarth	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00698	--
		P16-07.5	7.5	78.32			--	--	--	--	--	--	--	--	--	--	--	--	--	0.00125	--
P17	82.73	P17-07.5	7.5	75.23	02/20/14	SoundEarth	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0397	--
P18	73.93	P18-05	5	68.93	02/20/14	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.24**	--	--
		P18-10	10	63.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.56**	--	--
P19	73.93	P19-05	5	68.93	02/20/14	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.18**	--	--
		P19-10	10	63.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.11**	--	--
		P19-15	15	58.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.13**	--	--
P20	73.93	--	--	--	02/20/14	SoundEarth	No Samples Collected														
B01	81.34854	--	6-8	74.35	12/08/10	AECOM	<5.7	<5.1	<10	<0.001	NR	NR	NR	NR	<0.001	NR	NR	0.003	**0.22**	--	--
		--	8-10	72.35			--	--	--	<0.0012	NR	NR	NR	NR	<0.0012	NR	NR	0.0028	**0.2**	--	--
		--	18-20	62.35			--	--	--	<0.0009	NR	NR	NR	NR	0.0039	NR	NR	0.0058	**0.86**	--	--
B02	93.05	--	7-9	85.05	12/08/10	AECOM	--	--	--	0.0062	NR	NR	NR	NR	0.0013	NR	NR	**0.031**	**2.3**	--	--
		--	9-11	83.05			<6	<5.2	<10	0.001	NR	NR	NR	NR	0.0015	NR	NR	0.02	**2.3**	--	--
		--	16-18	76.05			--	--	--	<0.0011	NR	NR	NR	NR	0.0013	NR	NR	0.0046	**0.5**	--	--
B03	90.52796	--	--	--	--	AECOM	No Samples Collected														
B04	93.05	--	8-10	84.05	12/08/10	AECOM	--	--	--	0.003	NR	NR	NR	NR	<0.0009	NR	NR	0.0098	**2**	--	--
		--	14-16	78.05			<5.2	<5	<10	<0.001	NR	NR	NR	NR	<0.001	NR	NR	0.0069	**0.69**	--	--
		--	18-20	74.05			--	--	--	<0.001	NR	NR	NR	NR	<0.001	NR	NR	0.003	**0.47**	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

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Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B05	93.05	--	10-12	82.05	12/08/10	AECOM	--	--	--	<0.0009	NR	NR	NR	NR	<0.0009	NR	NR	<0.0009	**0.057**	--	--
		--	13-15	79.05			<5	<5.2	<10	<0.0009	NR	NR	NR	NR	<0.0009	NR	NR	0.0012	**0.34**	--	--
		--	18-20	74.05			--	--	--	<0.0009	NR	NR	NR	NR	<0.0009	NR	NR	0.0012	**0.42**	--	--
B06	73.93	--	5-7	67.93	12/08/10	AECOM	--	--	--	<0.051	NR	NR	NR	NR	<0.051	NR	NR	<0.051	**0.87**	--	--
		--	8-10	64.93			--	--	--	<0.047	NR	NR	NR	NR	<0.047	NR	NR	<0.047	**0.53**	--	--
		--	10-11.5	63.43			<4.9	<5.7	<1	<0.052	NR	NR	NR	NR	<0.052	NR	NR	<0.052	**0.43**	--	--
B07	86.47833	--	23-26	61.98	12/08/10	AECOM	<6.2	<5.9	<12	<0.06	NR	NR	NR	NR	0.064	NR	NR	<0.06	**0.58**	--	--
		--	35-37	50.48			--	--	--	<0.058	NR	NR	NR	NR	<0.058	NR	NR	<0.058	**1.7**	--	--
		--	37-40	47.98			--	--	--	<0.0009	NR	NR	NR	NR	0.017	NR	NR	0.0071	**0.16**	--	--
B13/MW06	74.78	B13-04.5	4.5	70.28	05/25/11	SoundEarth	2.8	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-09	9	65.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-14	14	60.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-19	19	55.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-24	24	50.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.069**	--	<0.3
		B13-29	29	45.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.039	--	<0.3
		B13-34	34	40.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-39	39	35.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-44	44	30.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.037	--	<0.3
		B13-49	49	25.78			**1,700**	300	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.070**	--	<0.3
		B13-54	54	20.78			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-55	55	19.78	05/26/11		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-58	58	16.78			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-64	64	10.78			<2	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-69	69	5.78			<2	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B13-74	74	0.78			<2	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
B14	81.31295	B14-04	4	77.31	05/26/11	SoundEarth	<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-09	9	72.31			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-14	14	67.31			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-19	19	62.31			<2	<50	<250	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-23.5	23.5	57.81			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-30	30	51.31			**1,100**	350[x]	<250	<0.2	<0.2	2.0	2.7	<0.05	<0.05	<0.05	<0.05	<0.03	**0.23**	--	<0.3
		B14-33.5	33.5	47.81			**930**	120[x]	<250	<0.2	<0.2	2.4	3.1	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-36	36	45.31			14	<50	<250	<0.02	<0.02	0.059	0.070	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-41	41	40.31			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	0.31
		B14-46	46	35.31	05/27/11		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	1.2
		B14-51	51	30.31			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	0.44
		B14-56	56	25.31			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-58	58	23.31			**2,000**	<50	<250	<0.1	<0.1	2.7	3.9	<0.05	<0.05	<0.05	<0.05	<0.03	**0.13**	--	<0.3
		B14-61	61	20.31			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	1.1
		B14-65	65	16.31			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-69	69	12.31			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
		B14-75	75	6.31			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	<0.3
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

Table 1
Soil Analytical Results for Petroleum Hydrocarbons and VOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B16	93.05	B16-06	6	87.05	09/26/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.38**	--	--
		B16-11	11	82.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B16-16	16	77.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.051**	--	--
		B16-17	17	76.05			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B16-18	18	75.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B16-20	20	73.05			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B16-22	22	71.05			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B16-23.5	23.5	69.55			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.18**	--	--
		B16-25	25	68.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.085**	--	--
		B16-29	29	64.05			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B16-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.028	--	--
		B16-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B16-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B16-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.046	--	--
		B16-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.18**	--	--
		B16-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B16-65	65	28.05	09/27/11		--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B16-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.043	--	--
B17	93.05	B17-06	6	87.05	09/27/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.046	--	--
		B17-11	11	82.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.053**	--	--
		B17-16	16	77.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.14**	--	--
		B17-21	21	72.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B17-26	26	67.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.030	--	--
		B17-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B17-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.030	--	--
		B17-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.076**	--	--
		B17-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.082**	--	--
		B17-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.042**	--	--
		B17-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.047**	--	--
		B17-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.062**	--	--
		B17-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.067**	--	--
		B17-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B17-75	75	18.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B17-80	80	13.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B18	93.05	B18-25	25	68.05	09/28/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.12**	--	--
		B18-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.059**	--	--
		B18-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.054**	--	--
		B18-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.11**	--	--
		B18-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.072**	--	--
		B18-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.12**	--	--
		B18-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.11**	--	--
		B18-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.12**	--	--
		B18-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.11**	--	--
		B18-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.027	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

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

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B19	93.05	B19-25	25	68.05	09/29/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.11**	--	--
		B19-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B19-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B19-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B19-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B19-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B19-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B19-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B19-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B19-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B20	93.05	B20-15	15	78.05	09/29/11	SoundEarth	**2,200**	--	--	**<0.1**	<0.1	4.6	**22**	<0.05	<0.05	<0.05	<0.05	<0.03	**0.22**	--	--
		B20-20	20	73.05			<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-25	25	68.05			**34**	--	--	<0.02	<0.02	0.061	0.30	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-30	30	63.05			<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-35	35	58.05			<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-40	40	53.05	09/30/11		--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B20-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B21	93.05	B21-05	5	88.05	09/30/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.28**	--	--
		B21-10	10	83.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-15	15	78.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-20	20	73.05	10/04/11		--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-25	25	68.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B21-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

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							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B22	93.05	B22-05	5	88.05	10/03/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-10	10	83.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-15	15	78.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-20	20	73.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-25	25	68.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B22-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B23	93.05	B23-05	5	88.05	10/05/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-10	10	83.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-15	15	78.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-20	20	73.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-25	25	68.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B23-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B24	93.05	B24-05	5	88.05	10/05/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-10	10	83.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-15	15	78.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-20	20	73.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-25	25	68.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-55	55	38.05	10/06/11		--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B24-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

Table 1
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Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B25	93.05	B25-05	5	88.05	10/06/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-10	10	83.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-20	20	73.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-25	25	68.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-30	30	63.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-35	35	58.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-40	40	53.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-45	45	48.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-50	50	43.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-55	55	38.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-60	60	33.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-65	65	28.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B25-70	70	23.05			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B26/MW08	92.88	B26-05	5	87.88	10/07/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-10	10	82.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-15	15	77.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-20	20	72.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-25	25	67.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-30	30	62.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-35	35	57.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-40	40	52.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-45	45	47.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-50	50	42.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-55	55	37.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-60	60	32.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-70	70	22.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-80	80	12.88			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-90	90	2.88	10/10/11		--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-100	100	-7.12			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B26-110	110	-17.12			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B27/MW09	92.92	B27-20	20	72.92	10/11/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-25	25	67.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-30	30	62.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-35	35	57.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-40	40	52.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-45	45	47.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-50	50	42.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-55	55	37.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-60	60	32.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-65	65	27.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-70	70	22.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-80	80	12.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-90	90	2.92	10/12/11		--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-100	100	-7.08			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B27-110	110	-17.08			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

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Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B28/MW10	92.73	B28-05	5	87.73	10/10/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-10	10	82.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-15	15	77.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-20	20	72.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-25	25	67.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-30	30	62.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-35	35	57.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-40	40	52.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-45	45	47.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-50	50	42.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-55	55	37.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-60	60	32.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-65	65	27.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-70	70	22.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-75	75	17.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-80	80	12.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-85	85	7.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B28-90	90	2.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B29	83.53891	B29-15	15	68.54	10/10/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-20	20	63.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-25	24	59.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-30	30	53.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-35	35	48.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-40	40	43.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-45	45	38.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-50	50	33.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-55	55	28.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-60	60	23.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-65	65	18.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B29-70	70	13.54			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B30/MW11	88.23	B30-15	15	73.23	10/11/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-16.5	16.5	71.73			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B30-18	18	70.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.026	--	--
		B30-20	20	68.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-21.5	21.5	66.73			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-23	23	65.23			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B30-24	24	64.23			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B30-30	30	58.23			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B30-35	35	53.23			3.4	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-40	40	48.23			730	--	--	<0.1	<0.1	1.5	5.9	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-45	45	43.23			<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-50	50	38.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-55	55	33.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-60	60	28.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-65	65	23.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-70	70	18.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-75	75	13.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-80	80	8.23			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B30-83	83	5.23			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

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							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B31/MW12	74.44	B31-80	80	-5.56	10/13/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B31-85	85	-10.56			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B31-90	90	-15.56			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B31-95	95	-20.56			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B31-100	100	-25.56			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B32	85.01239	--	--		--	AESI	Geotech Boring - no samples collected														
B33	73.93	B33-05	5	68.93	10/13/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-10	10	63.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-15	15	58.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-20	20	53.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-25	25	48.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-30	30	43.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-35	35	38.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-40	40	33.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-45	45	28.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-50	50	23.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-55	55	18.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-60	60	13.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B33-65	65	8.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B34	73.93	B34-25	25	48.93	10/14/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B34-30	30	43.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B34-35	35	38.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B34-40	40	33.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B34-45	45	28.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B34-50	50	23.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.029	--	--
		B34-55	55	18.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B34-60	60	13.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B34-65	65	8.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B35	73.93	B35-05	5	68.93	10/14/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-10	10	63.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-15	15	58.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-20	20	53.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-25	25	48.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-30	30	43.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-35	35	38.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-40	40	33.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-45	45	28.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-50	50	23.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-55	55	18.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-60	60	13.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B35-65	65	8.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

SoundEarth Strategies

Table 1
Soil Analytical Results for Petroleum Hydrocarbons and VOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)													
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B36	73.93	B36-05	5	68.93	10/17/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B36-10	10	63.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B36-15	15	58.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.028	--	--
		B36-20	20	53.93			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B36-25	25	48.93			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		B36-30	30	43.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.039	--	--
		B36-35	35	38.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B36-40	40	33.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.099**	--	--
		B36-45	45	28.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B36-50	50	23.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B36-55	55	18.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B36-60	60	13.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B36-65	65	8.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B36-70	70	3.93			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B39	86.16	B39-3-4	3-4	82.66	01/16/12	AECOM	--	--	--	--	--	--	--	<0.0011	0.0029	<0.0011	<0.0011	0.0077	**5.1**	--	--
		B39-7-8	7-8	78.66			--	--	--	--	--	--	--	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	**0.088**	--	--
		B39-11-12	11-12	74.66			--	--	--	--	--	--	--	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.049	--	--
B40	89.28	B40-7-8	7-8	81.78	01/16/12	AECOM	--	--	--	--	--	--	--	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	0.0017	--	--
		B40-11-12	11-12	77.78			--	--	--	--	--	--	--	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0013	--	--
B41	89.39	B41-7-8	7-8	81.89	01/16/12	AECOM	--	--	--	--	--	--	--	<0.0009	<0.0009	<0.0009	<0.0009	0.0015	**0.180**	--	--
		B41-11-12	11-12	77.89			--	--	--	--	--	--	--	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	**0.130**	--	--
B42	86.16	B42-3-4	3-4	82.66	01/16/12	AECOM	--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	**0.053**	--	--
		B42-7-8	7-8	78.66			--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.0012	0.028	--	--
B43	84.78	B43-3-4	3-4	81.28	01/16/12	AECOM	--	--	--	--	--	--	--	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	**0.220**	--	--
		B43-7-8	7-8	77.28			--	--	--	--	--	--	--	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	--	--
B44	82.73	B44-3-4	3-4	79.23	01/16/12	AECOM	--	--	--	--	--	--	--	<0.0009	0.019	<0.0009	<0.009	0.01	**1.7**	--	--
		B44-7-8	7-8	75.23			--	--	--	--	--	--	--	<0.0011	0.0013	<0.0011	<0.0011	**0.092**	**5.6**	--	--
		B44-11-12	11-12	71.23			--	--	--	--	--	--	--	<0.0011	<0.0011	<0.0011	<0.0011	0.0009	**0.057**	--	--
		B44-11-12	15-16	67.23			--	--	--	--	--	--	--	<0.0011	<0.0011	<0.0011	<0.0011	0.0007	0.045	--	--
B45	83.65	B45-3-4	3-4	80.15	01/16/12	AECOM	--	--	--	--	--	--	--	<0.0011	<0.063	<0.001	<0.001	0.0033	**7.7**	--	--
		B45-7-8	7-8	76.15			--	--	--	--	--	--	--	<0.0015	0.015	<0.0015	<0.0015	**0.035**	**11**	--	--
		B45-11-12	11-12	72.15			--	--	--	--	--	--	--	<0.001	0.0068	<0.001	<0.001	0.018	**6.4**	--	--
		B45-11-12	15-16	68.15			--	--	--	--	--	--	--	<0.0012	0.0006	<0.0012	<0.0012	0.0015	**0.078**	--	--
Boren Avenue North																					
B11/MW04	70.69	B11-05	5	65.69	05/25/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-10	10	60.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-15	15	55.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-20	20	50.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-25	25	45.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-30	30	40.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-35	35	35.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-40	40	30.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-45	45	25.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-50	50	20.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-55	55	15.69			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-60	60	10.69			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B11-65	65	5.69			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

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Troy Laundry Seattle Site
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Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B12/MW05	84.04	B12-10	10	74.04	05/25/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B12-15	15	69.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B12-20	20	64.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B12-25	25	59.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B12-30	30	54.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B12-35	35	49.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B12-45	45	39.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B12-55	55	29.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.044	--	ND
		B12-60	60	24.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	**0.057**	--	ND
		B12-70	70	14.04			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	0.035	--	ND
		B12-75	75	9.04	05/26/11		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B12-80	80	4.04			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
B15/MW07	74.55	B15-30	30	44.55	05/26/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B15-35	35	39.55			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B15-40	40	34.55			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B15-45	45	29.55			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B15-50	50	24.55			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B15-60	60	14.55			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B15-65	65	9.55			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B15-70	70	4.55			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
B37/MW13	90.66	B37-15	15	75.66	10/18/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-20	20	70.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-25	25	65.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-30	30	60.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-35	35	55.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-40	40	50.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-45	45	45.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-50	50	40.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-55	55	35.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-60	60	30.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-65	65	25.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-70	70	20.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-75	75	15.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-80	80	10.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B37-85	85	5.66			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B56/MW31	61.00	B56-20.0	20	41.00	09/11/19	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B56-30.0	30	31.00			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B56-40.0	40	21.00			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
Terry Avenue North																					
B49/MW15	58.79	B49-36	36	22.79	12/05/12	SoundEarth	<2	--	--	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B49-41	41	17.79			<2	--	--	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B48-46	46	12.79			<2	--	--	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
Thomas Street																					
B38/MW14	104.4	B38-95	95	9.40	10/19/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B38-100	100	4.40			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B38-105	105	-0.60			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

Table 1
Soil Analytical Results for Petroleum Hydrocarbons and VOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B50/MW16	99.02	B50-06	6	93.02	12/06/12	SoundEarth	<2	--	--	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B50-11	11	88.02			<2	--	--	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B50-81	81	18.02	12/07/12		<2	--	--	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
		B50-84	84	15.02			**2,500**	--	--	<0.03	<0.05	0.93	5	<0.05	0.12	<0.05	<0.05	**0.10**	**2.3**	--	--
		B50-86	86	13.02			**170**	--	--	<0.03	<0.05	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.03	**0.14**	--	--
		B50-91	91	8.02			<2	--	--	<0.03	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	--
B51	98.35	B51-72.5	72.5	25.85	03/25/14	SoundEarth	<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
		B51-80	80	18.35			<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
		B51-82.5	82.5	15.85			**3,200**	--	--	<0.2	<0.2	**24**	**52**	<0.05	0.060	<0.05	<0.05	<0.02	**0.16**	--	--
B52	99.54	B52-70	70	29.54	03/26/14	SoundEarth	<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
		B52-80	80	19.54			<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
		B52-82.5	82.5	17.04			65	--	--	<0.02	<0.02	0.081	0.30	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
		B52-85	85	14.54			<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.02	**0.082**	--	--
B53	100.54	B53-70	70	30.54	03/27/14	SoundEarth		--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
		B53-75	75	25.54				--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
		B53-85	85	15.54				--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
		B53-90	90	10.54			<2	--	--	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.02	<0.025	--	--
Harrison Street																					
B08/MW01	68.68	B08-05	5	63.68	05/19/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-10	10	58.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-15	15	53.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-20	20	48.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-25	25	43.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-30	30	38.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-35	35	33.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-40	40	28.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-45	45	23.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-50	50	18.68			<2	<50	<250	<0.2	<0.02	<0.2	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-55	55	13.68			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B08-60	60	8.68			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
B09/MW02	70.92	B09-07	7	63.92	05/20/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-10	10	60.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-15	15	55.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-20	20	50.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-25	25	45.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-30	30	40.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-35	35	35.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-40	40	30.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-45	45	25.92			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-50	50	20.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-55	55	15.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-60	60	10.92			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-65	65	5.92			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B09-70	70	0.92			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

Table 1
Soil Analytical Results for Petroleum Hydrocarbons and VOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample Location	Surface Elevation (NAVD88)	Sample ID	Depth (feet)	Elevation (NAVD88)	Date Sampled	Sampled By	Analytical Results (mg/kg)														
							GRPH[1]	DRPH[2]	ORPH[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Total Xylenes[3]	Vinyl Chloride[3]	cis-1,2-DCE[3]	trans-1,2-DCE[3]	EDC[3]	TCE[3]	PCE[3]	PCE TCLP[4] (mg/L)	SVOCs[5][6]
B10/MW03	84.65	B10-05	5	79.65	05/24/11	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-10	10	74.65			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-15	15	69.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-20	20	64.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-25	25	59.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-30	30	54.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-35	35	49.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-40	40	44.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-45	45	39.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-50	50	34.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-55	55	29.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-60	60	24.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-65	65	19.65			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-75	75	9.65			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
		B10-80	80	4.65			<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.05	<0.05	<0.05	<0.05	<0.03	<0.025	--	ND
B57/MW32	78.62	B57-30.0	20	58.62	09/10/19	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B57-40.0	30	48.62			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B57-50.0	60	18.62			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B57-60.0	80	-1.38			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
B58/MW33	56.94	B58-20.0	20	36.94	09/12/19	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B58-30.0	60	-3.06			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B58-40.0	80	-23.06			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
South-Adjoining Property																					
B54/MW29	102.06	B54-20.0	20	82.06	09/17/19	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B54-30.0	30	72.06			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	**0.093**	<0.025	--	--
		B54-40.0	40	62.06			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B54-60.0	60	42.06			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B54-80.0	80	22.06			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
B55/MW30	102.34	B55-20.0	20	82.34	09/18/19	SoundEarth	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	**0.033**	<0.025	--	--
		B55-30.0	30	72.34			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B55-40.0	40	62.34			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B55-60.0	60	42.34			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
		B55-80.0	80	22.34			--	--	--	--	--	--	--	<0.05	<0.05	<0.05	--	<0.02	<0.025	--	--
MTCA Cleanup Level							**100/30[a,b]**	**2,000[b]**	**2,000[b]**	**0.03[b]**	**7[b]**	**6[b]**	**9[b]**	**0.67[c]**	**160[d]**	**1,600[d]**	**11[c]**	**0.03[b]**	**0.05[b]**	**0.7[e]**	**NE**

NOTES:

Red denotes concentration exceeds MTCA Soil cleanup level.

[1]Analyzed by NWTPH Method NWTPH-Gx.

[2]Analyzed by NWTPH Method NWTPH-Dx.

[3]Analyzed by EPA Method 8260C or 8021B.

[4]Analyzed by SW8260/TCLP ZHE.

[5]Analyzed by EPA Method 8270C.

[6]Bis(2-ethylhexyl) phthalate was the only SVOC detected, the concentrations of which are well below the MTCA Method B cleanup level of 71 mg/kg. The reported results are the highest laboratory detection limit for all SVOCs analyzed or the concentration of (2-bis(2-ethylhexyl) phthalate, if detected in the sample.

[a]100 mg/kg when benzene is not present and 30 mg/kg when benzene is present.

[b]MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of WAC, revised November 2007.

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

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

[e]Protection of Environment, Title 40 Part 261.24 of CFR, Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic.

Laboratory Note:

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

-- = not analyzed, measured, or calculated
< = analytical result does not exceed laboratory reporting limit
AECOM = AECOM Technology Corporation
AESI = Associated Earth Sciences, Inc.
CFR = Code of Federal Regulations
CLARC = cleanup levels and risk calculations
DCE = dichloroethene
DRPH = diesel-range petroleum hydrocarbons
EDC = 1,2-dichloroethane (ethylene dichloride)
EPA = US Environmental Protection Agency
GRPH = gasoline-range petroleum hydrocarbons
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
MTCA = Washington State Model Toxics Control Act
NAVD88 = North American Vertical Datum 1988
NE = not established
NR = not reported
NWTPH = northwest total petroleum hydrocarbon
ORPH = oil-range petroleum hydrocarbons
PCE = tetrachloroethylene
SoundEarth = SoundEarth Strategies, Inc.
SVOC = semivolatile organic compound
TCE = trichloroethylene
TCLP = Toxicity Characteristic Leaching Procedure
VOC = volatile organic compound
WAC = Washington Administrative Code

Table 2
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)
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
						06/20/23	20.39	15.33
						12/04/23	20.32	15.40

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Seattle, Washington

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MW18	35.34	35	55	0	-20	05/05/15	24.92	10.42
						08/03/15	24.49	10.85
						12/07/15	25.21	10.13
						03/07/16	24.64	10.70
						07/12/16	24.23	11.11
						10/18/16	22.81	12.53
						01/24/17	20.98	14.36
						05/31/17	22.49	12.85
						09/21/17	25.36	9.98
						12/14/17	24.70	10.64
						03/08/18	22.60	12.74
						06/28/18	21.70	13.64
						09/19/18	21.34	14.00
						12/13/18	21.12	14.22
						06/13/19	20.62	14.72
						10/09/19	20.50	14.84
						12/04/19	22.15	13.19
						06/25/20	23.81	11.53
						12/09/20	24.42	10.92
						06/22/21	23.01	12.33
						12/14/21	21.81	13.53
						06/06/22	20.73	14.61
						12/13/22	20.44	14.90
						06/20/23	20.15	15.19
						12/04/23	19.99	15.35
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
						06/20/23	22.47	15.22
						12/04/23	22.31	15.38

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Seattle, Washington

Well	TOC Elevation[(1)] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
MW20	35.63	35	55	1	-19	05/05/15	25.24	10.39
						08/03/15	24.44	11.19
						12/07/15	25.50	10.13
						03/07/16	24.94	10.69
						07/12/16	24.62	11.01
						10/18/16	23.13	12.50
						01/24/17	21.32	14.31
						05/31/17	22.70	12.93
						09/21/17	25.53	10.10
						12/14/17	24.91	10.72
						03/08/18	22.89	12.74
						06/28/18	22.01	13.62
						09/19/18	21.67	13.96
						12/13/18	21.43	14.20
						06/13/19	20.95	14.68
						10/09/19	24.25	11.38
						12/04/19	21.45	14.18
						06/25/20	23.99	11.64
						12/09/20	24.63	11.00
						06/22/21	23.27	12.36
						12/14/21	22.12	13.51
						06/06/22	21.04	14.59
						12/13/22	20.74	14.89
						06/20/23	20.46	15.17
						12/04/23	20.27	15.36
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
						06/20/23	20.43	15.15
						12/04/23	20.26	15.32

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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
						06/20/23	20.32	15.15
						12/04/23	20.15	15.32
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
						06/20/23	20.29	15.14
						12/04/23	20.08	15.35

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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
						06/20/23	19.59	15.29
						12/04/23	19.59	15.29
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
						06/20/23	26.06	15.32
						12/04/23	25.91	15.47

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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)
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
						12/04/23	19.58	16.24
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
						06/20/23	53.25	17.57
						12/04/23	53.38	17.44

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MW05	84.04	65	80	19	4	05/27/11	67.40	16.64
						10/20/11	67.91	16.13
						12/10/12	68.54	15.50
						08/29/13	69.72	14.32
						05/05/15	INACCESSIBLE	
						08/03/15	INACCESSIBLE	
	DECOMMISSIONED 2015							
MW07	74.55	55	70	20	5	05/31/11	56.33	18.22
						10/20/11	56.87	17.68
						12/10/12	56.96	17.59
						08/29/13	60.95	13.60
	74.68					05/05/15	62.69	11.99
						08/03/15	61.67	13.01
						12/07/15	63.19	11.49
						03/07/16	63.22	11.46
						07/12/16	62.82	11.86
						10/18/16	61.26	13.42
						01/24/17	58.41	16.27
						05/31/17	59.90	14.78
						09/21/17	65.17	9.51
						12/14/17	INACCESSIBLE	
						03/08/18	61.76	12.92
						06/28/18	59.45	15.23
						09/19/18	59.07	15.61
						12/13/18	58.87	15.81
						06/13/19	57.93	16.75
						10/09/19	61.02	13.66
						12/04/19	58.38	16.30
						06/30/20	64.92	9.76
						12/09/20	65.28	9.40
						06/22/21	63.21	11.47
						12/14/21	60.22	14.46
						06/06/22	58.00	16.68
						12/13/22	57.85	16.83
						06/20/23	57.51	17.17
						12/04/23	57.54	17.14

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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
	90.86					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
						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
						06/20/23	75.37	15.49
						12/04/23	75.27	15.59
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
						06/20/23	68.58	15.24
						12/04/23	68.50	15.32

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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
						06/20/23	43.32	17.43
						12/04/23	43.45	17.30
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
						06/20/23	41.43	17.66
						12/04/23	41.54	17.55
Thomas Street								
MW14	104.4	90	105	14	-1	10/20/11	88.81	15.59
						12/13/12	88.66	15.74
						08/29/13	89.99	14.41
	DECOMMISSIONED 2013							
MW16	99.02	91	106	8	-7	12/10/12	83.47	15.55
						08/29/13	84.59	14.43
	99.18					05/05/15	88.87	10.31
						08/03/15	88.53	10.65
						12/07/15	89.15	10.03
						03/07/16	88.54	10.64
						07/12/16	88.41	10.77
						10/18/16	86.74	12.44
						01/24/17	84.71	14.47
						05/31/17	86.04	13.14
						09/21/17	88.85	10.33
						12/14/17	88.43	10.75
						03/08/18	86.51	12.67
	WELL DAMAGED 2018							

Table 2
Summary of Groundwater Elevations
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well	TOC Elevation[1] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
MW28	99.18	90	105	9.18	-5.82	06/13/19	84.54	14.64
						10/08/19	84.75	14.43
						12/04/19	84.48	14.70
						06/25/20	87.38	11.80
						12/09/20	88.1	11.08
						05/21/21	87.23	11.95
						06/22/21	86.77	12.41
						08/17/21	86.65	12.53
						09/21/21	86.56	12.62
						12/14/21	85.49	13.69
						06/06/22	84.44	14.74
						12/13/22	84.29	14.89
						06/20/23	83.93	15.25
						12/04/23	83.33	15.85
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
	68.82					05/05/15	58.11	10.71
						08/03/15	INACCESSIBLE	
						12/07/15	58.60	10.22
						03/07/16	57.69	11.13
	68.65					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
						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
						06/20/23	51.56	17.09
						12/04/23	51.88	16.77
MW02	70.92	55	70	16	1	05/25/11	54.84	16.08
						10/20/11	55.08	15.84
						12/10/12	55.27	15.65
						08/29/13	56.48	14.44
						05/05/15	INACCESSIBLE	
						08/03/15	INACCESSIBLE	
	DECOMMISSIONED 2015							

Table 2
Summary of Groundwater Elevations
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well	TOC Elevation[1] (feet)	Depth to Top of Well Screen (feet approximate)	Depth to Bottom of Well Screen (feet approximate)	Top of Well Screen Elevation (feet NAVD88 approximate)	Bottom of Well Screen Elevation (feet NAVD88 approximate)	Date	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet NAVD88)
MW03	84.65	65	80	20	5	05/27/11	68.75	15.90
						10/20/11	68.97	15.68
						12/10/12	69.21	15.44
						08/29/13	70.21	14.44
						05/05/15	INACCESSIBLE	
						08/03/15	INACCESSIBLE	
	DECOMMISSIONED 2015							
MW26	70.57	75	90	-4	-19	12/07/15	60.42	10.15
						03/07/16	59.82	10.75
						07/12/16	59.52	11.05
						10/18/16	58.10	12.47
						01/24/17	56.10	14.47
						05/31/17	57.79	12.78
						09/21/17	60.94	9.63
						12/14/17	60.11	10.46
						03/08/18	57.79	12.78
						06/28/18	56.83	13.74
						09/19/18	56.50	14.07
						12/13/18	56.34	14.23
						06/13/19	55.82	14.75
						10/09/19	57.28	13.29
						12/04/09	55.80	14.77
						06/25/20	59.19	11.38
						12/09/20	59.85	10.72
						06/22/21	58.25	12.32
						12/14/21	56.99	13.58
						06/06/22	55.90	14.67
						12/13/22	55.65	14.92
						06/20/23	55.20	15.37
						12/04/23	55.09	15.48
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
						06/20/23	63.10	15.28
						12/04/23	63.00	15.38
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
						06/20/23	39.11	17.51
						12/04/23	39.25	17.37
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

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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)
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							
MW29R	53.65	32	52	21.65	1.65	08/24/23	38.60	15.05
MW35	53.65	41	56	12.65	-2.35	08/24/23	38.64	15.01
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 3
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
	Well not sampled 2022 or 2023							
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**
	MW18-20230622	06/22/23	SoundEarth	<1	<0.5	<1	<1	**1.4**
	MW18-20231207	12/07/23	SoundEarth	<1	<0.5	<1	<1	**1.3**
Residential Groundwater Screening Level at the Onni Property[2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5**[3]	**5**[3]	**16**[4]	**160**[4]	**0.2**[3]

Table 3
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
	MW19-20230622	06/22/23	SoundEarth	<1	<0.5	<1	<1	0.25
	MW19-20231207	12/07/23	SoundEarth	<1	<0.5	<1	<1	2.8
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
	Well not sampled 2022 or 2023							
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	`	<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
	MW21-20230623	06/23/23	SoundEarth	<1	<0.5	1.4	<1	2.0
	MW21-20231207	12/07/23	SoundEarth	<1	<0.5	4.5	<1	2.6
Residential Groundwater Screening Level at the Onni Property[2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	MW22-20230623	06/23/23	SoundEarth	<1	<0.5	21	<1	0.51
	MW22-20231207	12/07/23	SoundEarth	<1	<0.5	52	<1	1.6
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
	Well not sampled 2022 or 2023							
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
	MW24-20230623	06/23/23	SoundEarth	<1	<0.5	<1	<1	1.5
	MW24-20231207	12/07/23	SoundEarth	<1	<0.5	1.5	<1	2.0
Residential Groundwater Screening Level at the Onni Property[2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	MW25-20230623	06/23/23	SoundEarth	2.7	3.2	2.2	<1	1.3
	MW99-20230623 (DUP)			2.8	3.4	2.3	<1	1.3
	MW25-20231207	12/07/23	SoundEarth	4.1	5.5	3.4	<1	1.9
	MW99-20231207 (DUP)			3.9	5.4	3.4	<1	1.9
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
	IW04-20230622	06/22/23	SoundEarth	<1	<0.5	<1	<1	0.26
	IW04-20231207	12/07/23	SoundEarth	<1	<0.5	<1	<1	<0.2
Residential Groundwater Screening Level at the Onni Property[2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5**[3]	**5**[3]	**16**[4]	**160**[4]	**0.2**[3]

Table 3
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
	IW06-20230622	06/22/23	SoundEarth	1.1	<0.5	<1	<1	<0.02
	IW06-20231207	12/07/23	SoundEarth	1.4	<0.5	<1	<1	<0.2
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
	IW50-20230623	06/23/23	SoundEarth	1.8	0.79	18	<1	5.8
	IW50-20231207	12/07/23	SoundEarth	7.6	3.1	22	<1	5.4
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
	IW61-20230623	06/23/23	SoundEarth	<1	<0.5	36	<1	2.7
	IW61-20231207	12/07/23	SoundEarth	<1	<0.5	41	<1	3.8
Residential Groundwater Screening Level at the Onni Property [2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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)
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
	Well not sampled 2022 or 2023							
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
	MW04-20230622	06/22/23	SoundEarth	<1	**9.3**	<1	<1	<0.02
	MW04-20231208	12/08/23	SoundEarth	<1	**9.4**	<1	<1	<0.2
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							
Residential Groundwater Screening Level at the Onni Property [2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

SoundEarth Strategies

Table 3
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)
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
	MW07-20230622	06/22/23	SoundEarth	2.4	5.1	<1	<1	<0.02
	MW07-20231208	12/08/23	SoundEarth	2.1	4.8	<1	<1	<0.2
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	12/14/22	SoundEarth	4.8	0.57	<1	<1	<0.02
	MW13-20230622	06/22/23	SoundEarth	4.3	<0.5	<1	<1	<0.02
	MW13-20231206	12/06/23	SoundEarth	5.2	0.67	<1	<1	<0.2
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
	MW27-20230621	06/21/23	SoundEarth	<1	15	5.3	<1	<0.02
	MW27-20231206	12/06/23	SoundEarth	<1	4.5	<1	<1	<0.2
Residential Groundwater Screening Level at the Onni Property [2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	MW31-2023021	06/21/23	SoundEarth	<1	4.1	<1	<1	<0.02
	MW31-2021206	12/06/23	SoundEarth	<1	2.6	<1	<1	<0.2
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
	MW34-20230621	06/21/23	SoundEarth	<1	4.8	<1	<1	<0.02
	MW34-20231206	12/06/23	SoundEarth	<1	**6.4**	<1	<1	<0.2
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							
Residential Groundwater Screening Level at the Onni Property [2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	MW28-20230621	06/21/23	SoundEarth	<1	<0.5	5.6	<1	<0.02
	MW28-20231204	12/04/23	SoundEarth	1.6	1.2	10	<1	<0.2
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
	MW01-20230621	06/21/23	SoundEarth	<1	<0.5	<1	<1	<0.02
	MW01-20231206	12/06/23	SoundEarth	<1	<0.5	<1	<1	<0.2
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
	MW26-20230622	06/22/23	SoundEarth	<1	**11**	<1	<1	<0.02
	MW26-20231206	12/06/23	SoundEarth	<1	**5.8**	<1	<1	<0.2
Residential Groundwater Screening Level at the Onni Property [2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	MW32-20230621	06/21/23	SoundEarth	<1	<0.5	<1	<1	<0.02
	MW32-20231205	12/05/23	SoundEarth	<1	<0.5	<1	<1	<0.2
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
	MW33-20230620	06/20/23	SoundEarth	<1	<0.5	<1	<1	<0.02
	MW33-20231205	12/05/23	SoundEarth	<1	<0.5	<1	<1	<0.2
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							
MW29R	MW29R-20230824	8/24/2023	SoundEarth	**18**	**11**	**33**	<1	<0.2
	MW29R-2024	01/05/24	SoundEarth	**8.5**	2.2	2.3	<1	<0.2
MW35	MW35-20230824	8/24/2023	SoundEarth	<1	<0.5	<1	<1	<0.2
	MW35-2024	01/05/24	SoundEarth	1.4	<0.5	<1	<1	<0.2
Residential Groundwater Screening Level at the Onni Property [2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**4,200**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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[5]	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
SLU-MW02	MW02-20120229	02/29/12[5]	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
Residential Groundwater Screening Level at the Onni Property [2]				**25**	**1.4**	**180**	**77**	**0.33**
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**650**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**4,200**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

NOTES:

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

Blue shading indicates concentrations exceeding the Commercial Worker Groundwater remediation level at the Property.

Yellow shading indicates concentrations exceeding the Roadway Excavation Worker Groundwater Remediation Level in ROWs.

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

[2]Table values in CLARC, Ecology's Guidance for Evaluating Vapor Intrusion in Washington State: Investigation and Remedial Action dated 2009, revised 2022 , and Ecology's South Lake Union Group Memorandum, dated December 14, 2022.

[3]MTCA Method A Cleanup Levels, Table 720-1 of WAC 173-340-900.

[4]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>.

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

< = 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

Laboratory Notes:

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

[d]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.

Table 3A
Summary of Groundwater Analytical Results for CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

		Groundwater CVOCs Analytical Results[1]																																																																																																																																										
		On-Property Wells																																																							Boren Avenue North																				Terry Avenue North								Thomas Street								Harrison Street																South-Adjoining Property								ONNI Property																			
Sampling Event		MW17				MW18				MW19				MW20				MW21				MW22				MW23				MW24				MW25				IW04				IW06				IW50				IW61				IW91				MW04				MW07				MW13				MW27				MW31				MW15[4]				MW34[4]				MW16[3]				MW28[3]				MW01				MW26				MW32				MW33				MW29				MW30				ONNI-MW-4				ONNI-MW-5				ONNI-MW-9				MW29R				MW35			
Year	Quarter	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC	PCE	TCE	DCE[2]	VC
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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.

(4)Monitoring well MW15 destroyed during construction in 2021, and replacement well MW34 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

Table 4
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 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)
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 jp	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 jp	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 jp	150	<0.35	<1	<1	<3
	MW19-20171216	12/16/17	SoundEarth	9,700 x, ip	<2,500 jp	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 jp	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]**

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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, ip]	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	--	--	--	--
	MW21-20230623	06/23/23	SoundEarth	5,900[x]	3,800[x]	<100	--	--	--	--
	MW21-20231207	12/07/23	SoundEarth	8,500[x]	4,400[x]	<100	--	--	--	--
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

SoundEarth Strategies

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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)
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[jp]	390	<0.35	<1	<1	<3
	MW22-20171216	12/16/17	SoundEarth	58,000[x,ip]	<3,000[jp]	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	--	--	--	--
	MW22-20230623	06/23/23	SoundEarth	2,900[x]	1,500[x]	120	--	--	--	--
	MW22-20231207	12/07/23	SoundEarth	3,100[x]	720[x]	<100	--	--	--	--
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[jp]	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[jp]	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[jp]	150	<1	<1	<1	11
	MW23-20181215	12/15/18	SoundEarth	14,000[x]	500[x]	180	<1	<1	<1	7.1
	MW23-20190615	06/15/19	SoundEarth	3,400[x]	<2,500	260	<1	<1	<1	7.1
	MW23-20191207	12/07/19	SoundEarth	1,400[x]	790[x]	<100	<1	<1	<1	<3
	MW23-20200627	06/27/20	SoundEarth	360[x]	<250	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

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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]**

Table 4
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)
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**[jp]	370	<0.35	<1	<1	<3
	MW99-20170601(DUP)			**46,000**[x, ip]	**<1,000**[jp]	410	<0.35	<1	<1	<3
	MW25-20170923	09/23/17	SoundEarth	**12,000**[x, ip]	**<2,500**[jp]	270	<0.35	<1	<1	<3
	MW99-20170923(DUP)			**13,000**[x, ip]	**<2,500**[jp]	220	<0.35	<1	<1	<3
	MW25-20171216	12/16/17	SoundEarth	**4,000**[x, ip]	**<3,000**[jp]	580	<0.35	<1	<1	<3
	MW99-20171216 (DUP)			**4,000**[x, ip]	**<3,000**[jp]	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**[jp]	300	<1	<1	<1	17
	MW99-20180922 (DUP)			**1,900**[x, ip]	**<2,500**[jp]	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]

Table 4
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)
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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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)
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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Troy Laundry Seattle Site
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Seattle, Washington

Sample Location	Sample Identification	Sample Date	Sampled By	DRPH[1] (µg/L)	ORPH[1] (µg/L)	GRPH[2] (µg/L)	Benzene[3] (µg/L)	Toluene[3] (µg/L)	Ethylbenzene[3] (µg/L)	Total Xylenes[3] (µg/L)
MW07	MW07-20110531	05/31/11	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20111012	10/12/11	SoundEarth	240[x]	<250	<100	<1	<1	<1	<3
	MW07-20130909	09/09/13	SoundEarth	120[x]	<250	<100	<1	<1	<1	<3
	MW07-20150508	05/08/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW07-20150805	08/05/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW07-20151209	12/09/15	SoundEarth	<60	<300	<100	<0.35	<1	<1	<3
	MW07-20160308	03/08/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW07-20160713	07/13/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW07-20161019	10/19/16	SoundEarth	76[x]	<250	<100	--	--	--	--
	MW07-20170124	01/24/17	SoundEarth	120[x]	<250	<100	<0.35	<1	<1	<3
	MW07-20170531	05/31/17	SoundEarth	54[x]	<250	<100	<0.35	<1	<1	<3
	MW07-20180308	03/08/18	SoundEarth	<50	<250	<100	<1	<1	<1	<1
	MW07-20180629	06/29/18	SoundEarth	<60	<300	<100	<1	<1	<1	<3
	MW07-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20190614	06/14/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20191205	12/05/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW07-20200630	06/30/20	SoundEarth	<50	<250	<100	<1	<1	<1	<3
MW13	MW13-20111020	10/20/11	SoundEarth	150[x]	<250	<100	<1	<1	<1	<3
	MW13-20130910	09/10/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20150511	05/11/15	SoundEarth	<70	<350	<100	<0.35[cf]	<1[cf]	<1[cf]	<3[cf]
	MW13-20150805	08/05/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20151215	12/15/15	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20160307	03/07/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20160712	07/12/16	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20161019	10/19/16	SoundEarth	<50	<250	<100	--	--	--	--
	MW13-20170124	01/24/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20170531	05/31/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20170921	09/21/17	SoundEarth	120[x]	<300	<100	<0.35	<1	<1	<3
	MW13-20171214	12/14/17	SoundEarth	<50	<250	<100	<0.35	<1	<1	<3
	MW13-20180308	03/08/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20180629	06/29/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20180920	09/20/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20181214	12/14/18	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20190614	06/14/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20191205	12/05/19	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20200626	06/26/20	SoundEarth	<50	<250	<100	<1	<1	<1	<3
	MW13-20201210	12/10/20	SoundEarth	80[x]	<250	<100	<1	<1	<1	<3
	MW13-20210623	06/23/21	SoundEarth	100[x]	<300	<100	<1	<1	<1	<3
	MW13-20211216	12/16/21	SoundEarth	<50	<250	<100	--	--	--	--
	MW13-20220608	06/08/22	SoundEarth	<50	<250	<100	--	--	--	--
	MW13-20221214	12/14/22	SoundEarth	88[x]	<280	<100	--	--	--	--
	MW13-20230622	06/22/23	SoundEarth	<50	<250	<100	--	--	--	--
	MW13-20231206	12/06/23	SoundEarth	<50	<250	<100	--	--	--	--
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

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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)
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]**

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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)
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
	MW28-20230621	06/21/23	SoundEarth	67[x]	<250	<100	--	--	--	--
	MW28-20231204	12/04/23	SoundEarth	54[x]	<250	<100	--	--	--	--
Fairview Avenue North										
MW-C	MW-C-20130911	09/11/13	SoundEarth	<50	<250	<100	<1	<1	<1	<3
MTCA Cleanup Level				**500[4]**	**500[4]**	**1,000/800[4] [5]**	**5[4]**	**1,000[4]**	**700[4]**	**1,000[4]**

Table 4
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 4
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 WAC 173-340-900.

[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.

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

[vp]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 5
Groundwater Analytical Results for 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[D,H]	--	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[D,H]	--	<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[D,H]	--	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[D,H]	--	6.23	8,780[D]	<16.2	<15.1
	MW18-20210625	06/25/21	0.91	--	--	8,900	13.900	16.3[D,H]	--	<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[D,H]	--	<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[D,H]	--	<3.00[D]	12,900[D]	<15.1	<14.6
	MW18-20221215	12/15/22	0.16	--	<2.00[D]	9,320	18.200	1.19[D]	--	0.259[J]	6,840[D]	<15.1	<14.6
	MW18-20230622	06/22/23	0.18	--	<0.500[D,H]	7,740	18.600	18.4[D,H]	--	<3.00[D]	2,930[D]	<15.1	<14.6
	MW18-20231207	12/07/23	0.23	--	<0.100[H]	11,000	23.400	23.3[D,H]	--	<0.600	8,650[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[D,H]	--	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[D,H]	--	<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[D,H]	--	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[D,H]	--	1.15	9,010[D]	<16.2	<15.1
	MW19-20210625	06/25/21	0.81	--	--	15,200	18.200	14.5[D,H]	--	<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[D,H]	--	<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[D,H]	--	<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[D,H]	--	<6.00[D]	7,040[D]	<15.1	<14.6
	MW19-20230622	06/22/23	0.15	--	<0.500[D,H]	14,600	26.600	20.7[D,H]	--	<3.00[D]	2,370[D]	<15.1	<14.6
	MW19-20231207	12/07/23	0.62	--	<0.100[H]	10,300	22.200	21.2[D,H]	--	<0.600	8,620[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
	MW21-20230623	06/23/23	0.20	--	--	--	--	--	--	--	1,870[D]	<15.1	<14.6
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[D,J]	5,190[D]	<15.1	<14.6
	MW22-20230623	06/23/23	0.13	--	<0.500[DH]	9,840	13.300	13.9[DH]	--	<3.00[D]	1,350[D]	<15.1	<14.6
	MW22-20231207	12/07/23	0.68	--	<0.100[H]	10,700	14.600	18.1[DH]	--	<0.600	3,330[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

Table 5
Groundwater Analytical Results for 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)
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
	MW24-20230623	06/23/23	0.23	--	<0.500[DH]	22,700	12.800	12.3[DH]	--	<3.00[D]	4,020[D]	<15.1	<14.6
	MW24-20231207	12/07/23	0.88	--	<0.100[H]	22,900	12.700	12.7[DH]	--	1.92	4,340[D]	<15.1	<14.6
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
	MW25-20230623	06/23/23	0.22	--	<0.100	5,980	4.730	4.43[DH]	--	31.1[D]	3,460[D]	<15.1	<14.6
	MW25-20231207	12/07/23	0.66	--	<0.100[H]	6,130	5.170	4.69[DH]	--	32.3[D]	4,570[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[D,J]	--	--	--
	IW04-20230622	06/22/23	0.23	--	<0.500[D,H]	6,030	15.500	19.4[D,H]	--	<3.00[D]	--	--	--
	IW04-20231207	12/07/23	0.68	--	<0.100[H]	6,060	16.400	18.5[D,H]	--	<0.600	--	--	--
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
	IW50-20230623	06/23/23	0.18	--	<0.500[DH]	9,670	9.540	13.2[DH]	--	8.06[D]	5,010[D]	<15.1	<14.6
	IW50-20231207	12/07/23	1.66	--	<0.100[H]	9,940	8.580	9.84[DH]	--	10.0	4,930[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
	IW61-20230623	06/23/23	0.18	--	<0.500[D,H]	14,400	17.600	21.4[D,H]	--	<3.00[D]	2,360[D]	<15.1	<14.6
	IW61-20231207	12/07/23	0.64	--	<0.100[H]	13,100	13.400	17.4[D,H]	--	<0.600	3,910[D]	<15.1	<14.6

Table 5
Groundwater Analytical Results for 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	a	<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
	MW04-20230622	06/22/23	7.79	--	21.8[D,H]	<1	0.123	<0.150[H]	--	41.4[D]	<6.75	<15.1	<14.6
	MW04-20231208	12/08/23	7.52	--	17.2[D,H]	1.68	0.0888	<0.150[H]	--	42.8[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
	MW07-20230622	06/22/23	6.97	--	31.0[D,H]	9.04	0.293	<0.150[H]	--	41.7[D]	<6.75	<15.1	<14.6
	MW07-20231208	12/08/23	8.22	--	27.9[D,H]	10.5	0.280	<0.150[H]	--	32.6[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	--	--	--	--	--	--	--	--	--	--
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
	MW28-20230621	06/21/23	7.75	--	0.136[H]	321	2.600	0.305[H]	--	3.31	7.82	<15.1	<14.6
	MW28-20231204	12/04/23	9.35	--	<10.0[D]	563	0.904	<0.150[H]	--	<60.0[D*]	55.4	<15.1	<14.6

Table 5
Groundwater Analytical Results for 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)
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
	MW26-20230622	06/22/23	6.55	--	0.133^{H}	842	4.320	0.476^{H}	--	32.1^{D}	<6.75	<15.1	<14.6
	MW26-20231206	12/06/23	8.14	--	<0.100^{H}	281	1.730	<0.150	--	13.2^{H}	<6.75	<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.

-- = not measured/ not applicable

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

µg/L = micrograms per liter

CCB = Continued Calibration Blank

EPA = US Environmental Protection Agency

ICB = Initial Calibration Blank

mg/L = milligrams per liter

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

* Flagged value is not within established control limits.

* Anomalous reading, attributed to meter error.

Table 6
Groundwater 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	0.710	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	0.670	--	14.50	--	--
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	1.080	--	14.9	503	11.9
	MW18-20220609	06/09/22	6.30	-19.1	0.30	0.870	16.50	14.3	487	7.97
	MW18-20221215	12/15/22	6.17	-59.7	0.16	0.860	22.40	14.3	449	6.18
	MW18-20230622	06/22/23	6.27	-60.6	0.18	0.832	13.10	15.2	419	5.69
	MW18-20231207	12/07/23	6.14	-75.5	0.23	1.060	8.76	14.9	537	5.31
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	1.070	--	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	--
	MW19-20230622	06/22/23	6.15	-17.7	0.15	1.410	32.90	15.7	396	--
	MW19-20231207	12/07/23	6.03	-271.8	0.62	0.843	73.70	15.21	346	--

Table 6
Groundwater 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)
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	0.850	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	0.970	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	1.150	--	14.40	--	--
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	0.980	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]
	MW21-20230623	06/23/23	6.12	0.6	0.20	1.010	16.6	14.90	--	25.5
	MW21-20231207	12/07/23	5.96	-1.8	0.35	0.980	31.5	14.50	--	109
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	1.185	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	1.290	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	0.820	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	0.720	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	6.09	-13	0.13	0.749	35.60	14.40	289	105[D]
	MW22-20230623	06/23/23	6.2	-37.1	0.13	0.827	15.40	15.30	317	82.7
	MW22-20231207	12/07/23	5.97	-229.7	0.68	0.943	15.10	14.53	346	76.8

Table 6
Groundwater 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)
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	0.878	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
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	0.860	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	1.110	--	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]
	MW24-20230623	06/23/23	6.37	-23.1	0.23	0.920	6.78	15.10	431	4.60
	MW24-20231207	12/07/23	6.21	-53.5	0.88	0.910	3.57	14.90	446	4.24
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
	MW25-20230623	06/23/23	6.52	-85.1	0.22	0.581	3.31	16.30	218	1.56
	MW25-20231207	12/07/23	6.26	-295.1	0.66	0.618	5.66	15.46	205	1.59
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]
	IW04-20230622	06/22/23	6.36	-118.9	0.23	0.762	7.63	15.30	285	24.3
	IW04-20231207	12/07/23	5.96	-273.6	0.68	0.819	5.42	14.66	260	21.5

Table 6
Groundwater 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)
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	0.920	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	0.510	7.26	14.20	--	--
	IW06-20221215	12/15/22	7.30	189.9	0.19	1.020	32.60	15.00	--	--
	IW06-20230622	06/22/23	6.61	199.6	0.41	1.080	3.32	15.00	--	--
	IW06-20231207	12/07/23	6.31	91.5	0.17	0.650	5.93	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	1.001	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	2.068	2.19	15.40	--	--
	IW38-20170602	06/02/17	5.72	-234.3	0.46	0.838	2.80	15.69	--	--
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	1.350	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	0.760	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	1.060	--	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	1.250	7.40	14.70	400	5.66
	IW50-20230623	06/23/23	6.49	-80.1	0.18	0.850	19.20	14.80	410	6.25
	IW50-20231207	12/07/23	6.35	-62.1	1.66	0.790	3.11	14.80	382	5.03
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	--	--
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	0.650	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	0.750	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]
	IW61-20230623	06/23/23	6.54	-73.4	0.18	1.053	69.4	15.40	487	80.4
	IW61-202301207	12/07/23	6.33	-207.3	0.64	1.179	60.2	14.54	540	81.3
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	--	--

Table 6
Groundwater 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)
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	--	--
	IW91-20211217	12/17/21	9.44	6.5	6.05	0.546	--	14.39	--	--
AIW02	AIW02-20160825	08/25/16	4.88	15.3	0.77	--	--	--	--	--
AIW05	AIW05-20160825	08/25/16	4.89	31.5	1.77	--	--	--	--	--
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	0.480	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
	MW04-20230622	06/22/23	6.80	263.5	7.79	0.950	2.28	14.80	57.8	0.919
	MW04-20231208	12/08/23	6.56	217.1	7.52	0.445	0.93	14.70	66.6	<0.700
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
	MW07-20230622	06/22/23	6.50	239.2	6.97	1.140	1.41	15.40	29.2	0.895
	MW07-20231208	12/08/23	6.09	-97.3	8.22	0.543	2.14	14.38	25.2	1.70

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Groundwater 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)
MW13	MW13-20111020	10/20/11	7.10	138.0	2.12	1.040	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	--	--
	MW13-20230622	06/22/23	6.64	186.1	6.58	0.438	6.14	15.30	--	--
	MW13-20231206	12/06/23	5.70	29.2	8.14	0.408	4.26	14.58	--	--
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	--	--
	MW27-20230621	06/21/23	6.67	31.8	0.19	0.367	3.15	15.60	--	--
	MW27-20231206	12/06/23	6.51	-51.8	2.47	0.110	11.3	14.90	--	--
MW31	MW31-20191009	10/09/19	9.75	100.2	4.02	0.230	16.2	15.02	--	--
	MW31-20191205	12/05/19	6.45	4.1	6.75	0.159	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	--	--
	MW31-20230621	06/21/23	6.84	167	7.94	0.300	6.1	15.5	--	--
	MW31-20231206	12/06/23	6.43	266.8	7.64	0.127	8.98	15.2	--	--
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 6
Groundwater 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	--	--
	MW34-20230621	06/21/23	6.09	150.2	8.14	0.488	7.19	15.6	--	--
	MW34-20231206	12/06/23	5.84	-85.8	10.43	0.428	8.93	14.41	--	--
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	0.703	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	0.790	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	1.20	0.600	16.3	15.10	267	--
	MW28-20221215	12/15/22	7.48	175.9	2.17	0.910	47.5	14.90	248	--
	MW28-20230621	06/21/23	7.21	106.2	7.75	0.318	84.1	15.90	160	--
	MW28-20231204	12/04/23	6.62	-117.7	9.35	0.492	33.1	15.15	237	--
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	--	--
	MW01-20230621	06/21/23	6.69	196.9	8.35	0.453	4.4	15.90	--	--
	MW01-20231206	12/06/23	6.34	258.7	8.02	0.471	3.09	15.3	--	--
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	0.230	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	0.500	60	15.50	85.5	1.99
	MW26-20221214	12/14/22	6.93	291.60	3.27	0.750	>200	15.30	139	1.06
	MW26-20230622	06/22/23	6.55	68.10	2.01	0.429	143	16.40	147	1.08
	MW26-20231206	12/06/23	6.24	-73.30	9.56	0.100	113	14.64	63.0	1.03

Table 6
Groundwater 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)
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	--	--
	MW32-20230621	06/21/23	6.47	137.0	4.66	0.329	61.3	15.40	--	--
	MW32-20231205	12/05/23	6.32	190.5	3.18	0.342	336	12.97	--	--
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	--	--
	MW33-20230620	06/20/23	6.75	204.6	7.46	0.594	58.5	15.5	--	--
	MW33-20231205	12/05/23	6.11	223.8	6.84	0.206	23.2	11.51	--	--
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									
MW29R	MW29R-20230824	08/24/23	6.46	-61.9	0.18	0.85	19.9	17.9	--	--
	MW29R-202401	01/05/24	7.47	137.7	2.97	0.574	9.13	14.4	--	--
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									
MW35	MW35-20230824	08/24/23	5.82	105.9	1.30	0.480	18.9	17.6	--	--
	MW35-20240105	01/05/24	6.91	174.6	2.34	0.467	8.82	14.3	--	--
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	0.530	3713.0	23.30	--	--
	ONNI-MW-4-20211215	12/15/21	7.54	118.4	0.60	0.540	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	0.550	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

mS/cm = milliSiemen per centimeter

mV = millivolts

NTU = nephelometric turbidity unit

ORP = oxidation-reduction potential

SM = Standard Method

SoundEarth Strategies

Table 7
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
	MW18-20230622	06/22/23	1.6[J]	<1.4	<0.10	0.42	<0.06	<0.15	--	--	5.69
	MW18-20231207	12/07/23	<0.50	0.42[J]	<0.26	<0.25	<0.06	<0.75	--	--	5.31

Table 7
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]
	MW21-20230623	06/23/23	<0.62	136	7.4	<1.3	8.7	0.93[J]	--	--	25.5
	MW21-20231207	12/07/23	<0.50	213	<0.26	9.0	9.3	<0.75	--	--	109
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	`	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]
	MW22-20230623	06/23/23	<0.62	173	5.0	3.6	12	1.7[J]	--	--	82.7
	MW22-20231207	12/07/23	<0.50	218	2.8	<0.25	7.2	<0.75			76.8

Table 7
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]
	MW24-20230623	06/23/23	<0.62	<1.4	<0.10	<1.3	<0.06	<0.15	--	--	4.60
	MW24-20231207	12/07/23	<0.50	0.38[J]	<0.26	<0.25	<0.06	<0.75			4.24

SoundEarth Strategies

Table 7
Groundwater Analytical Results for Volatile Fatty Acids
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Identification	Sample Identificiation	Sample Date	Lactate[1] (mg/L)	Acetate[1] (mg/L)	Propionate[1] (mg/L)	Formate[1] (mg/L)	Butyrate[1] (mg/L)	Pyruvate[1] (mg/L)	Lactic[2] (mg/L)	Acetic[3] (mg/L)	Total Organic Carbon[4] (mg/L)
MW25	MW25-20150507	05/07/15	--	--	--	--	--	--	--	--	<0.500
	MW25-20190615	06/15/19	<0.39	45	1.3	<0.22	1.3	<0.69	--	--	25.80
	MW25-20191207	12/07/19	<0.39	21	<0.31	2.9	<0.41	<0.69	--	--	--
	MW25-20200627	06/27/20	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	5.21
	MW25-20201212	12/12/20	<0.69	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	9.57
	MW25-20210625	06/25/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	7.50
	MW25-20211217	12/17/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	4.18
	MW25-20220609	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
	MW25-20230623	06/23/23	1.7[J]	<1.4	<0.10	<1.3	<0.06	<0.15	--	--	1.56
	MW25-20231207	12/07/23	<0.50	0.38[J]	<0.26	<0.25	<0.06	<0.75	--	--	1.59
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]
	IW04-20230622	06/22/23	<0.62	<1.4	<0.10	<1.3	<0.06	<0.15	--	--	24.3
	IW04-20231207	12/07/23	<0.50	0.60[J]	<0.26	<0.25	<0.06	<0.75	--	--	21.5
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
	IW50-20230623	06/23/23	<0.62	<1.4	<0.10	<1.3	<0.06	<0.15	--	--	6.25
	IW50-202312/07	12/07/23	<0.50	0.88[J]	<0.26	<0.25	<0.06	<0.75	--	--	5.03

Table 7
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Seattle, Washington

Well Identification	Sample Identificiation	Sample Date	Lactate[1] (mg/L)	Acetate[1] (mg/L)	Propionate[1] (mg/L)	Formate[1] (mg/L)	Butyrate[1] (mg/L)	Pyruvate[1] (mg/L)	Lactic[2] (mg/L)	Acetic[3] (mg/L)	Total Organic Carbon[4] (mg/L)
IW61	IW61-20160309	03/09/16	<0.39	368	51	0.69	28	<0.69	--	--	114
	IW61-20160713	07/13/16	--	--	--	--	--	--	<100	217[X,D]	2,900
	IW61-20161021	10/21/16	<7.8	1,543	538	122	837	<14	--	--	3,000
	IW61-20170126	01/26/17	<7.8	612	253	38	363	<14	--	--	1,300
	IW61-20170602	06/02/17	<0.39	171	118	<0.22	189	<0.69	--	--	908[D]
	IW6120170923	09/23/17	<7.8	2,589	231	37	705	19	--	--	1,490[D]
	IW61-20171216	12/16/17	<0.39	235	151	45	148	13	--	--	765[D]
	IW61-20180310	03/10/18	<0.39	184	176	31	92	16	--	--	432[D]
	IW61-20180630	06/30/18	<0.39	111	200	<0.22	44	14	--	--	406[D]
	IW61-20180922	09/22/18	<0.39	71	170	14	21	<0.69	--	--	228[D]
	IW61-20190615	06/15/19	<0.39	88	72	<0.22	4.4	0.58	--	--	140[D]
	IW61-20191207	12/07/19	<0.39	98	7.2	1.8	5	<0.69	--	--	--
	IW61-20200627	06/27/20	<0.39	13	0.62	<0.22	<0.41	<0.69	--	--	55.4[D]
	IW61-20201212	12/12/20	<0.69	5.1	<0.31	0.60	<0.41	<0.69	--	--	60.6[D]
	IW61-20210625	06/25/21	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69	--	--	66.2[D]
	IW61-20211217	12/17/21	<0.39	4.5	<0.31	<0.22	<0.47	<0.69	--	--	72.6[D]
	IW61-20211217	06/09/22	<0.39	1.4	<0.31	<0.22	2.5	<0.69	--	--	81.8[D]
	IW61-20221216	12/16/22	<0.39	12	<0.31	<0.22	<0.41	<0.69	--	--	81.4[D]
	IW61-20230623	06/23/23	2.0	4.4	<0.10	1.9[J]	<0.06	<0.15	--	--	80.4
	IW61-202301207	12/07/23	<0.50	<0.30	<0.26	<0.25	<0.06	<0.75	--	--	81.3

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.

[J]The associated value s an estimated reuslt between the QL and the RL

-- = 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

QL = Quantitation limit

RL = Reporting Limit

Table 8
Indoor and Outdoor Air Analytical Results for Petroleum Hydrocarbons and CVOCs
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample ID	Sample Name	Sample Location	Sampled By	Sample Type	Sample Date Range	Analytical Results (µg/m^3)							
						APH EC5-8 aliphatics[1]	APH EC9-12 aliphatics[1]	APH EC9-10 aromatics[1]	PCE[2]	TCE[2]	cis-1,2-DCE[2]	trans-1,2-DCE[2]	Vinyl Chloride[2]
2018 Indoor Air Sampling Event													
OA01	OA01-20180304	Outdoor - HVAC Intake	SoundEarth	Outdoor Air (24 hours)	03/04/18–03/05/18	**54**	<35	<25	<1.7	<0.27	<0.2	<0.2	<0.13
IA01	IA01-20180304	P5 - North wall		Indoor Air (24 hours)		**67**	<35	<25	--	--	--	--	--
IA02	IA02-20180304	P5 - Interior Stairway - North				**130**	**36**	<25	6.2	0.27	<0.2	<0.2	<0.13
IA03	IA03-20180304	P5 - West wall				**49**	<35	<25	<1.7	<0.27	<0.2	<0.2	<0.13
IA04	IA04-20180304	P5 - West wall				--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA05	IA05-20180307	P5 - South Tower Parking Elevator Shaft			03/07/18–03/08/18	--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA06	IA06-20180304	P5- Elevator lobby			03/04/18–03/05/18	--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA07	IA07-20180304	North wall				--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA08	IA08-20180304	P4 - West wall				**69**	<35	<25	<1.7	<0.27	<0.2	<0.2	<0.13
IA09	IA09-20180304	P4 - West wall				--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA10	IA10-20180304	P4 - South wall				--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA11	IA11-20180304	P3 - West wall				**84**	**35**	<25	<1.7	<0.27	<0.2	<0.2	<0.13
IA12	IA12-20180304	P3 - West wall				--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA13	IA13-20180304	P3 - East wall				**140**	<35	<25	--	--	--	--	--
IA14	IA14-20180304	P2 - West wall				**65**	<35	<25	--	--	--	--	--
IA15	IA15-20180304	P2 - West wall				**62**	<35	<25	<1.7	<0.27	<0.2	<0.2	<0.13
IA16	IA16-20180304	P2 - South wall				--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA19	IA19-20180304	P1 - South wall				--	--	--	<1.7	<0.27	<0.2	<0.2	<0.13
IA20	IA20-20180304	P1 - Interior Stairway - North				**86**	**47**	<25	2.4	0.34	<0.2	<0.2	0.13
2019 Supplemental Indoor Air Sampling Event													
OA02	OA02-20190217	Outdoor - HVAC Intake	SoundEarth	Outdoor Air (24 hours)	02/17/19–02/18/19	--	--	--	<6.8	<0.27	<0.4	<0.4	<0.26
IA21	IA21-20190217	P5 - Interior Stairway - North		Indoor Air (24 hours		--	--	--	<6.8	<0.27	<0.4	<0.4	<0.26
IA22	IA22-20190219	P5 - South Tower Parking Elevator Shaft		Indoor Air (3 weeks)	02/19/19–03/12/19	--	--	--	<0.42	**<0.64**	<0.87	<2.1	**<5.5**
IA23	IA23-20190217	P5 - Interior Stairway - South Tower		Indoor Air (24 hours)	02/17/19–02/18/19	--	--	--	<6.8	<0.27	<0.4	<0.4	<0.26
IA24	IA24-20190217	P1 - Interior Stairway - North				--	--	--	<6.8	<0.27	<0.4	<0.4	<0.26
IA25	IA25-20190217	P1 - Interior Stairway - South Tower				--	--	--	<6.8	<0.27	<0.4	<0.4	<0.26
MTCA Method B Indoor Air Cleanup Levels[3]						**2,700**	**140**	**180**	**9.62**	**0.37**	**NE**	**NE**	**0.28**
Modified Method B Indoor Air Remediation Levels[4]						**113,400**	**5,880**	**7,560**	**323.08**	**20.49**	**NE**	**NE**	**9.55**

NOTES:

Bold indicates laboratory detection limit exceeds MTCA Method B Indoor Air Cleanup Level but less than the Modified Method B Indoor Air Remediation Level.

Sample analysis performed by Friedman & Bruya, Inc., Seattle, Washington, or Eurofins Air toxics, Inc. of Folsom, California.

[1]Analyzed by Method MA-APH.

[2]Analyzed by EPA Method TO-15 or Modified Method TO-17.

[3]MTCA Method B Indoor Air Cleanup Levels, Noncancer, DRAFT: Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action, October 2009 and updated in February 2016.

[4]Modified Method B Indoor Air Remediation Levels, calculated from MTCA Equation 750-2 and assumes an exposure frequency of 5 days/week, 1 hour/day, and 52 weeks/year.

-- = not tested
< = not detected at a concentration exceeding the laboratory reporting limit
µg/m^3 = micrograms per cubic meter
APH = air-phase hydrocarbons
CVOC = chlorinated volatile organic compound
DCE = dichloroethene
EPA = US Environmental Protection Agency
MTCA = Washington State Model Toxics Control Act
NE = not established
PCE = tetrachloroethene
SoundEarth = SoundEarth Strategies, Inc.
TCE = trichloroethene

Table 9
Summary of Indoor and Outdoor Air Analytical Results for APH
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Sample ID	Sample Name	Sample Location	Sampled By	Sample Type	Sample Date Range	Analytical Results[1] (µg/m^3)		
						APH EC5-8 aliphatics	APH EC9-12 aliphatics	APH EC9-10 aromatics
2018 Indoor Air Sampling Event								
OA01	OA01-20180304	Outdoor—HVAC Intake	SoundEarth	Outdoor Air (24 hours)	03/04/18–03/05/18	**54**	<35	<25
IA01	IA01-20180304	P5—North Wall		Indoor Air (24 hours)		**67**	<35	<25
IA02	IA02-20180304	P5—Interior Stairway—North				**130**	**36**	<25
IA03	IA03-20180304	P5—West Wall				**49**	<35	<25
IA04	IA04-20180304	P5—West Wall				--	--	--
IA05	IA05-20180307	P5—South Tower Parking Elevator Shaft			03/07/18–03/08/18	--	--	--
IA06	IA06-20180304	P5—Elevator Lobby			03/04/18–03/05/18	--	--	--
IA07	IA07-20180304	North wall				--	--	--
IA08	IA08-20180304	P4—West Wall				**69**	<35	<25
IA09	IA09-20180304	P4—West Wall				--	--	--
IA10	IA10-20180304	P4—South Wall				--	--	--
IA11	IA11-20180304	P3—West Wall				**84**	**35**	<25
IA12	IA12-20180304	P3—West Wall				--	--	--
IA13	IA13-20180304	P3—East Wall				**140**	<35	<25
IA14	IA14-20180304	P2—West Wall				**65**	<35	<25
IA15	IA15-20180304	P2—West Wall				**62**	<35	<25
IA16	IA16-20180304	P2—South Wall				--	--	--
IA19	IA19-20180304	P1—South Wall				--	--	--
IA20	IA20-20180304	P1—Interior Stairway—North				**86**	**47**	<25
MTCA Method B Indoor Air Cleanup Levels[2]						**2,700**	**140**	**180**
Modified Method B Indoor Remediation Levels[3]						**113,400**	**5,880**	**7,560**

NOTES:

Bold indicates concentration exceeds laboratory detection limits.

Sample analysis performed by Friedman & Bruya, Inc., Seattle, Washington.

[1]Analyzed by Method MA-APH.

[2]MTCA Method B Indoor Air Cleanup Levels, Noncancer, DRAFT: Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action, October 2009 and updated in February 2016.

[3]Modified Method B Indoor Remediation Levels, calculated from MTCA Equation 750-2 and assumes an exposure frequency of 5 days/week, 1 hour/day, and 52 weeks/year.

-- = not tested

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

µg/m^3 = micrograms per cubic meter

APH = air-phase hydrocarbons

MTCA = Washington State Model Toxics Control Act

SoundEarth = SoundEarth Strategies, Inc.

Table 10
Summary of Mann-Kendall Non-Parametric Statistical Trend Results
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Well Number	PCE	TCE	cis-1,2-DCE	VC	Last Sample Date	PCE	TCE	cis-1,2-DCE	VC	Comments
Statistical Concentration Trend - 2015 through 2023					**µg/L**					
On-Property										
IW04	NA	NA	NA	Increasing	12/07/23	<1	<0.5	<1	<0.2	Northeastern corner of the Property south of the Harrison ROW
IW50	Increasing	NA	Decreasing	Stable	12/07/23	**7.6**	**3.1**	**22**	**5.4**	Center of the Property near original source area
IW61	NA	NA	Increasing	Increasing	12/07/23	<1	<0.5	**41**	**3.8**	South-center of the Property north of the Thomas ROW and downgradient from the Boren ROW
MW18	NA	NA	NA	Increasing	12/07/23	<1	<0.5	<1	**1.3**	Center of the Property near original source area and downgradient of the Boren ROW
MW19	NA	NA	NA	Increasing	12/07/23	<1	<0.5	<1	**1.3**	Center of the Property near original source area and downgradient of the Boren ROW
MW21	NA	NA	NA	Increasing	12/07/23	<1	<0.5	**4.5**	**2.6**	Center of the Property near original source area and downgradient of the Boren ROW
MW22	NA	NA	Increasing	Increasing	12/07/23	<1	<0.5	**52**	**1.6**	Center of the Property near original source area and downgradient of the Boren ROW
MW24	NA	NA	Increasing	Increasing	12/07/23	<1	<0.5	**1.5**	**2**	Center of the Property near original source area and downgradient of the Boren ROW
MW25	NA	Decreasing	NA	Increasing	12/07/23	**4.1**	**5.5**	**3.4**	**1.9**	Center of the Property near original source area and downgradient of the Boren ROW
Boren Avenue										
MW04	NA	Decreasing	NA	NA	12/08/23	<1	**9.4**	<1	<0.2	Boren ROW upgradient of the Property and downgradient of yet unknown upgradient source area for TCE
MW07	NA	Decreasing	NA	NA	12/08/23	**2.1**	**4.8**	<1	<0.2	Boren ROW upgradient of the Property and downgradient of yet unknown upgradient source area for TCE
MW13	Decreasing	NA	NA	NA	12/06/23	**5.2**	**0.67**	<1	<0.2	Boren and Thomas Street ROWs cross gradient to the groundwater flow direction
MW27	NA	Undetermined	NA	NA	12/06/23	<1	**4.5**	<1	<0.2	Boren ROW upgradient of the Property and downgradient of yet unknown upgradient source area for TCE
Former Seattle Times Site										
MW29-29R	Underminable	Undetermined	Decreasing	Decreasing	12/04/23	**8.5**	**2.2**	**<1**	<0.2	Northern side of former Seattle Times Site
Thomas Street										
MW28	NA	NA	Decreasing	NA	12/04/23	**1.6**	**1.2**	**10**	<0.2	Thomas ROW downgradient of the Property
Harrison Street										
MW26	NA	Decreasing	NA	NA	12/06/23	<1	**5.8**	<1	<0.2	Harrison ROW upgradient of the Property and downgradient of yet unknown upgradient source area for TCE
Terry Avenue										
MW34	NA	Stable	NA	NA	12/06/23	<1	**6.4**	<1	<0.2	Terry ROW upgradient of the Property and downgradient of yet unknown upgradient source area for TCE
	MTCA Groundwater Cleanup Level					**5**[(1)]	**5**[(1)]	**16**[(2)]	**0.2**[(1)]	
	Commercial Worker Groundwater Remediation Level at the Property[(3)]					**120**	**12**	**1,600**	**1.6**	
	Roadway Excavation Remediation Level in Right-of-Ways[(3)]					**760**	**40**	**10,000**	**9.9**	

NOTES

ug/L = micrograms per liter

cis-1,2-DCE = cis-1,2-dichloroethylene

CLARC = Cleanup Levels and Risk Calculation

Ecology = Washington State Department of Ecology

MTCA = Washington State Department of Ecology Model Toxics Control Act

NA = The concentration of analyte not detected above the laboratory reporting limit or the concentration was less than the groundwater cleanup level four sampling events as of 2023.

PCE = tetrachlorethylene

ROW = right-of-way

TCE = trichloroethylene

trans-1,2-DCE = trans-1,2-dichloroethylene

VC = vinyl chloride

[(1)]MTCA Method A Cleanup Levels, Table 720-1 of WAC 173-340-900.

[(2)]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>.

[(3)]Table values in CLARC, Ecology's Guidance for Evaluating Vapor Intrusion in Washington State: Investigation and Remedial Action dated 2009, revised 2022, and Ecology's South Lake Union Group Memorandum, dated December 14, 2022.

Table 11
Remedial Component Screening Matrix
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Component Group	Component Options	Retained for Inclusion in Cleanup Action Alternatives?	Rationale for Inclusion or Exclusion
Passive Remediation			
	No Further Action	No	Not retained because it is not protective of human health or the environment.
	Monitored Natural Attenuation	Yes	Retained because monitored natural attenuation processes are currently maintaining the stability of the CVOC groundwater plume and preventing downgradient migration.
	Containment Cap	Yes	Retained as a component of a cleanup action alternative. The concrete floor slab and foundation walls of the existing buildings' underground parking garage and surrounding hardscapes (concrete/asphalt) throughout the Site serve as a barrier against direct contact with subsurface contamination.
	Environmental Covenant	Yes	Retained as a component for cleanup action alternatives for which subsurface contamination would remain in place following the cleanup action.
	Permeable Reactive Barrier	No	Not retained because the CVOC groundwater plume is stable and not migrating.
In Situ Physical Treatment			
	Air Sparging/Soil Vapor Extraction (SVE)	Yes	Retained to treat CVOCs through air stripping (volatilization) and vapor recovery.
	Biosparging	No	Not retained because PCE and TCE are not degraded via direct oxidation (i.e., biosparging); air sparging retained for volatilization of CVOCs in saturated zone.
	Surfactant Washing	No	Not retained because CVOC-impacted soils have been removed to the maximum extent practicable.
	Cosolvent Washing	No	Not retained because CVOC-impacted soils have been removed to the maximum extent practicable.
	Pump and Treat	No	Not retained because this technology is not typically implemented for sites with low CVOC concentrations in groundwater (i.e., CVOC mass removal in the aqueous phase would be minimal). In addition, the CVOC groundwater plume is stable and not migrating.
	Dual-Phase Extraction	No	Not retained because this technology is not implemented at sites with low CVOC concentrations in groundwater.
In Situ Thermal			
	Resistive Thermal with SVE	No	Not retained because theses technologies are not implemented at sites with low CVOC concentrations in groundwater. In addition, these technologies are difficult to implement and not cost-completive with in situ physical treatment, in situ powder activated carbon injections, or emulsified oil (anaerobic bioremediation) applications. These technologies also present an increased short-term safety risk during installation and operation.
	Conductive Thermal with SVE	No	
	Radio Frequency/Electromagnetic Thermal with SVE	No	
	Steam Injection with SVE and Groundwater Extraction	No	
	Hot Air Injection with SVE	No	
	Hot Water Injection with SVE and Groundwater Extraction	No	
Source Removal			
	Excavation Dewatering	No	Not retained because CVOC-impacted soils have been removed to the maximum extent practicable.
	Excavation on the Property with Shoring	No	
	Trench Boxes - Non-Impervious Wall	No	
	Secant Pile Wall - Impervious Wall	No	
	Sheet Pile Wall - Impervious Wall	No	
	Soil Nail Wall - Non-Impervious Wall	No	
	Soldier Pile Wall - Non-Impervious Wall	No	
	Excavation off-Property with Shoring	No	
	Secant Pile Wall - Impervious Wall	No	
	Sheet Pile Wall - Impervious Wall	No	
	Soil Nail Wall - Non-Impervious Wall	No	
	Soldier Pile Wall - Non-Impervious Wall	No	
Ex Situ Source Treatment			
	Surfactant Washing	No	Not retained because CVOC-impacted soils have been removed to the maximum extent practicable.
	Cosolvent Washing	No	
	Chemical Oxidation	No	
	Thermal Desorption	No	
	Landfill Disposal	No	

Table 11
Remedial Component Screening Matrix
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Component Group	Component Options	Retained for Inclusion in Cleanup Action Alternatives?	Rationale for Inclusion or Exclusion
In Situ Chemical Oxidation			
	Activated Sodium Persulfate	No	Not retained because these technologies are not cost-competitive with in situ powder activated carbon or emulsified oil (anaerobic bioremediation) applications. These technologies also present an increased short-term safety risk during the injection process given the handling of a chemical oxidant. In addition, chemical oxidation injections may have a negative affect on water quality (e.g., increase in manganese concentrations via permanganate injections) and migrate downgradient.
	Hydrogen Peroxide	No	
	Fenton's Reagent	No	
	RegenOx (Catalyzed Sodium Percarbonate)	No	
	Permanganate	No	
Containment/Immobilization			
	Bituminization	No	Not retained because CVOC-impacted soils have been removed to the maximum extent practicable.
	Emulsified Asphalt	No	
	Modified Sulfur Cement	No	
	Polyethylene Extrusion	No	
	Pozzolan/Portland Cement	No	
	Vitrification/Molten Glass	No	
	Slurry Wall Containment	No	Not retained because the CVOC groundwater plume is stable and not migrating.
	Sheet Pile Wall Containment	No	
	Pump and Treat for Hydraulic Containment	No	
Phytoremediation			
	Phyto-Degradation	No	Not retained because CVOC-impacted groundwater is situated at depth.
	Phyto-Volatilization	No	
	Phyto-Accumulation	No	
	Phyto-Stabilization	No	
	Enhanced Rhizosphere Biodegradation	No	
In Situ Bioremediation			
	Aerobic Bioremediation	No	Not retained because PCE and TCE are not degraded via direct oxidation. cis-1,2-DCE and VC are degraded naturally under slightly aerobic conditions when the emulsified oil has been depleted.
	Anaerobic Bioremediation	Yes	Retained because this technology was successfully implemented as a interim remedial action with the injection of emulsified oil to the saturated zone. PCE, TCE, cis-1,2-DCE, and VC are degraded to ethene/ethane via reductive dechlorination under suitable geochemical conditions and the presence of a microbial genus (*Dehalococcoides*).

NOTES:

cis-1,2-DCE = cis-1,2-dichloroethene

COC = chemical of concern

CVOC = chlorinated volatile organic compound

MTCA = Washington State Model Toxics Control Act

PCE = tetrachloroethene

SVE = soil vapor extraction

TCE = trichloroethene

VC = vinyl chloride

Table 12
Feasibility Level Cost Estimate
Cleanup Action Alternative 1
MNA and Environmental Covenant
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

CAPITAL COST ITEM	QTY	UNIT	UNIT PRICE	COST	TOTALS
Cleanup Action Plan					
Cleanup Action Plan	1	ls	$ 23,000	$ 23,000	
Subtotal					$ 23,000
Project Management and Reporting					
Project Management	1	year	$ 12,000	$ 12,000	
Cleanup Action Report	1	report	$ 21,000	$ 21,000	
Environmental Covenant	1	ls	$ 10,000	$ 10,000	
Regulatory Closure Support	1	ls	$ 20,000	$ 20,000	
Subtotal			.		$ 63,000
TOTAL CAPITAL COST					**$ 86,000**

FUTURE O&M AND OTHER DIRECT COST ITEMS[1]	ANNUAL COST[2]	PRESENT WORTH OF ANNUAL AND FUTURE CAPITAL COST	
Seminnual Groundwater Monitoring and Reporting (Years 1 and 2)	$ 82,600	Discount Rate = 1.3%	$ 162,034
Annual Groundwater Monitoring and Reporting (Years 2 trough 30)	$ 41,300	Discount Rate = 1.3%	$ 939,536
Well Decommissioning (Year 30)	$ 125,000	Discount Rate = 1.3%	$ 84,845
TOTAL PRESENT WORTH COST			**$ 1,186,400**
TOTAL PRESENT WORTH COST OF CLEANUP ACTION ALTERNATIVE 1			**$ 1,272,000**

NOTES:

Cost rounded up to nearest $1,000.

[1]Additional direct costs, such as project management, regulatory communications and reporting, and other technical support services not specifically listed, are not included in any future annual costs.

[2]Annual cost is year 2024 cost.

% = percent

ls = lump sum

O&M = operation and maintenance

QTY = quantity

Table 13
Feasibility Level Cost Estimate
Cleanup Action Alternative 2
In Situ Reductive Dechlorination and Environmental Covenant with MNA
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

CAPITAL COST ITEM	QTY	UNIT	UNIT PRICE	COST	TOTALS
Cleanup Action Plan and Design					
Cleanup Action Plan	1	ls	$ 17,000	$ 17,000	
Design	1	ls	$ 15,000	$ 15,000	
Subtotal					$ 32,000
Permitting					
Underground Injection Control Registration	1	ls	$ 2,400	$ 2,400	
Street Use Permit	1	ls	$ 11,200	$ 11,200	
Subtotal					$ 13,600
Injection Well Installation					
One Call and Private Utility Locate	1	ls	$ 1,100	$ 1,100	
Traffic Control/Uniformed Police Officer	1	ls	$ 5,900	$ 5,900	
Vertical Injection Well (includes vacuum clearance)	4	well	$ 17,000	$ 68,000	
Injection Well Installation Oversight	1	ls	$ 11,200	$ 11,200	
Investigation-Derived Waste Management/Disposal	1	ls	$ 5,500	$ 5,500	
Subtotal					$ 91,700
In Situ Reductive Dechlorination Injection					
Emulsified Oil Product (material)	1	ls	$ 86,250	$ 86,250	
Bioaugmentation Product (material)	1	ls	$ 16,675	$ 16,675	
Traffic Control/Uniformed Police Officer	1	ls	$ 11,700	$ 11,700	
Emulsified Oil Injection Oversight	1	ls	$ 88,000	$ 88,000	
Bioaugmentation Injection Oversight	1	ls	$ 44,000	$ 44,000	
Subtotal					$ 246,625
Project Management and Reporting					
Project Management	1	year	$ 20,000	$ 20,000	
Cleanup Action Report	1	report	$ 21,000	$ 21,000	
Environmental Covenant	1	ls	$ 10,000	$ 10,000	
Regulatory Closure Support	1	ls	$ 20,000	$ 20,000	
Subtotal					$ 71,000
TOTAL CAPITAL COST					**$ 454,900**

FUTURE O&M AND OTHER DIRECT COST ITEMS[1]	ANNUAL COST[2]	PRESENT WORTH OF ANNUAL AND FUTURE CAPITAL COST	
Quarterly Peformance Groundwater Monitoring and Reporting (Years 1 through 10)	$ 165,200	Discount Rate = 1.3%	$ 1,539,774
Annual Groundwater Monitoring and Reporting (Years 10 through 30)	$ 41,300	Discount Rate = 1.3%	$ 635,609
Well Decommissioning (Year 30)	$ 125,000	Discount Rate = 1.3%	$ 84,845
TOTAL PRESENT WORTH COST			**$ 2,260,200**
TOTAL PRESENT WORTH COST OF CLEANUP ACTION ALTERNATIVE 2			**$ 2,715,000**

NOTES:
Cost rounded up to nearest $1,000.
[1]Additional direct costs, such as project management, regulatory communications and reporting, and other technical support services not specifically listed, are not included in any future annual costs.
[2]Annual cost is year 2024 cost.

% = percent
ls = lump sum
O&M = operation and maintenance
QTY = quantity

Table 14
Feasibility Level Cost Estimate
Cleanup Action Alternative 3
In Situ PAC Adsorption and Environmental Covenant with MNA
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

CAPITAL COST ITEM	QTY	UNIT	UNIT PRICE	COST	TOTALS
Cleanup Action Plan and Design					
Cleanup Action Plan	1	ls	$ 17,000	$ 17,000	
Design	1	ls	$ 15,000	$ 15,000	
Subtotal					$ 32,000
Permitting					
Underground Injection Control Registration	1	ls	$ 2,400	$ 2,400	
Street Use Permit	1	ls	$ 11,200	$ 11,200	
Subtotal					$ 13,600
Injection Well Installation					
One Call and Private Utility Locate	1	ls	$ 1,100	$ 1,100	
Traffic Control	1	ls	$ 5,900	$ 5,900	
Vertical Injection Well (includes vacuum clearance)	4	well	$ 17,000	$ 68,000	
Injection Well Installation Oversight	1	ls	$ 11,200	$ 11,200	
Investigation-Derived Waste Management/Disposal	1	ls	$ 5,500	$ 5,500	
Subtotal					$ 91,700
In Situ Adsorption Injection					
Powder Activated Carbon (material)	1	ls	$ 13,061	$ 13,061	
Traffic Control	1	ls	$ 11,700	$ 11,700	
PAC Injection Oversight	1	ls	$ 132,000	$ 132,000	
Subtotal					$ 156,761
Project Management and Reporting					
Project Management	1	year	$ 20,000	$ 20,000	
Cleanup Action Report	1	report	$ 21,000	$ 21,000	
Environmental Covenant	1	ls	$ 10,000	$ 10,000	
Regulatory Closure Support	1	ls	$ 20,000	$ 20,000	
Subtotal			.		$ 71,000
TOTAL CAPITAL COST					**$ 365,100**

FUTURE O&M AND OTHER DIRECT COST ITEMS[1]	ANNUAL COST[2]	PRESENT WORTH OF ANNUAL AND FUTURE CAPITAL COST	
Quarterly Peformance Groundwater Monitoring and Reporting (Years 1 through 10)	$ 165,200	Discount Rate = 1.3%	$ 1,539,774
Annual Groundwater Monitoring and Reporting (Years 10 through 30)	$ 41,300	Discount Rate = 1.3%	$ 635,609
Well Decommissioning (Year 30)	$ 125,000	Discount Rate = 1.3%	$ 84,845
TOTAL PRESENT WORTH COST			**$ 2,260,200**
TOTAL PRESENT WORTH COST OF CLEANUP ACTION ALTERNATIVE 3			**$ 2,625,000**

NOTES:
Cost rounded up to nearest $1,000.
[1]Additional direct costs, such as project management, regulatory communications and reporting, and other technical support services not specifically listed, are not included in any future annual costs.
[2]Annual cost is year 2024 cost.

% = percent
ls = lump sum
O&M = operation and maintenance
PAC = powder activated carbon
QTY = quantity
TBD = to be determined

Table 15
Cleanup Action Alternatives Screening Summary
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

Cleanup Action Alternatives	Remedial Details	Cost	Washington State Department of Ecology Evaluation Criteria/Relative Ranking (1 = Low; 10 = High)						Ranking Score[1]
			Weighting Factors for Evaluation Criteria						
			20%	20%	20%	20%	20%		
			Protectiveness	Permanence	Effectiveness over the Long Term	Management of Short-Term Risks	Technical and Administrative Implementability	Consideration of Public Concerns	
1. Monitored Natural Attenuation and Environmental Covenant	Reliance on natural attenuation processes to attain compliance with the proposed groundwater cleanup levels.	$1,272,000	9	9	9	9	9	9	**9.0**
2. In Situ Reductive Dechlorination and Environmental Covenant	Injection of emulsified oil to provide a substrate for the native microbial population (i.e., biostimulation) and to promote the bioremediation of chlorinated volatile organic compounds present in the saturated zone soil and groundwater via the anaerobic reductive dichlorination pathway.	$2,715,000	9	9	5	7	5	6	**7.0**
3. In Situ Powder Activated Carbon Adsoption and Environmental Covenant	Injection of powder activated carbon to adsorb and immobilize chlorinated volatile organic compounds in the saturated zone soil and groundwater.	$2,625,000	9	9	9	7	5	7	**7.8**

NOTES:

[1]The ranking score for each alternative is the average of the weighted score for five of the six evaluation criteria. Consideration of Public Concerns is not included in the ranking score.

CHARTS

Chart 1
Cost and Relative Ranking of Cleanup Action Alternatives
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington

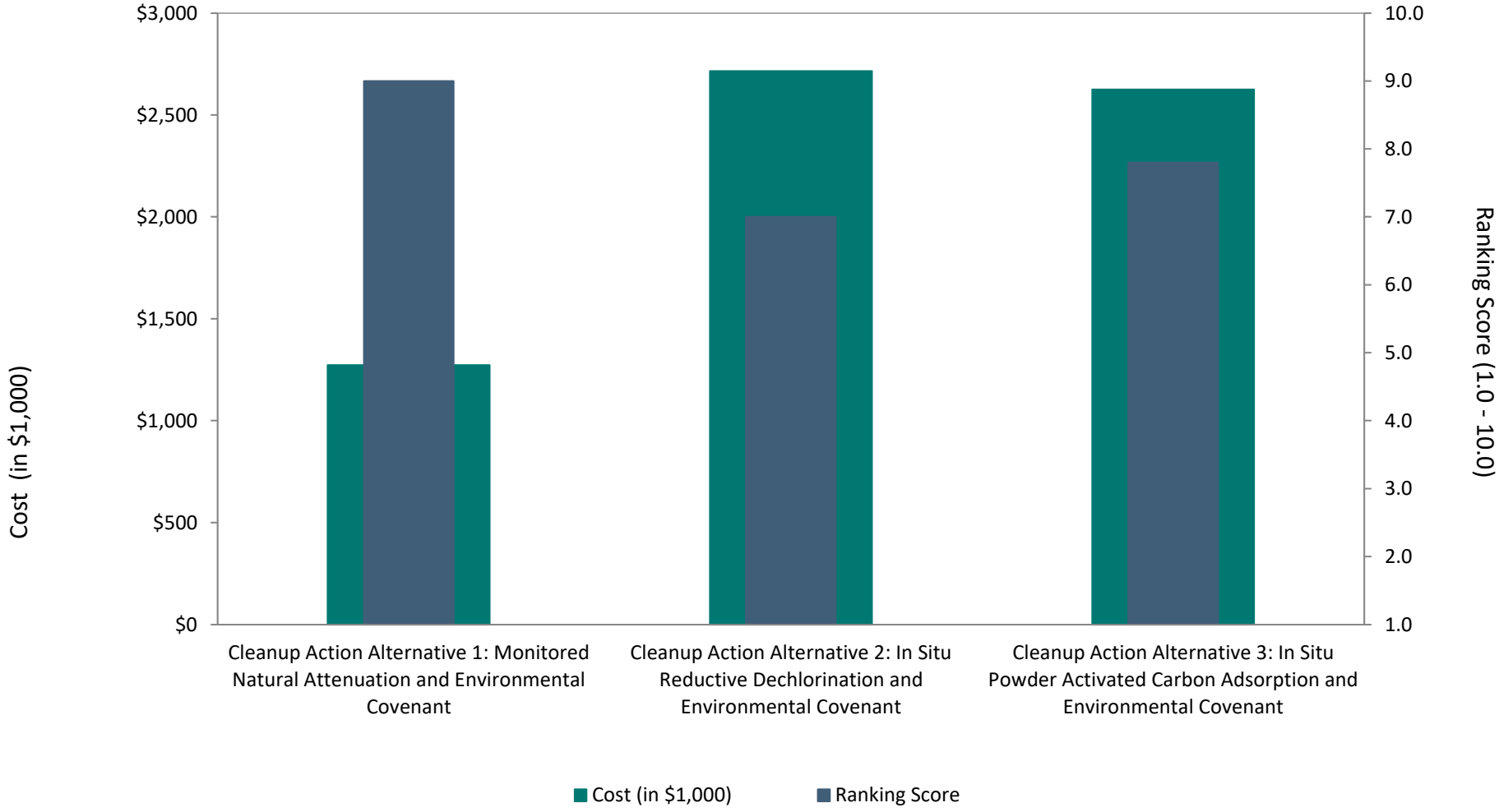
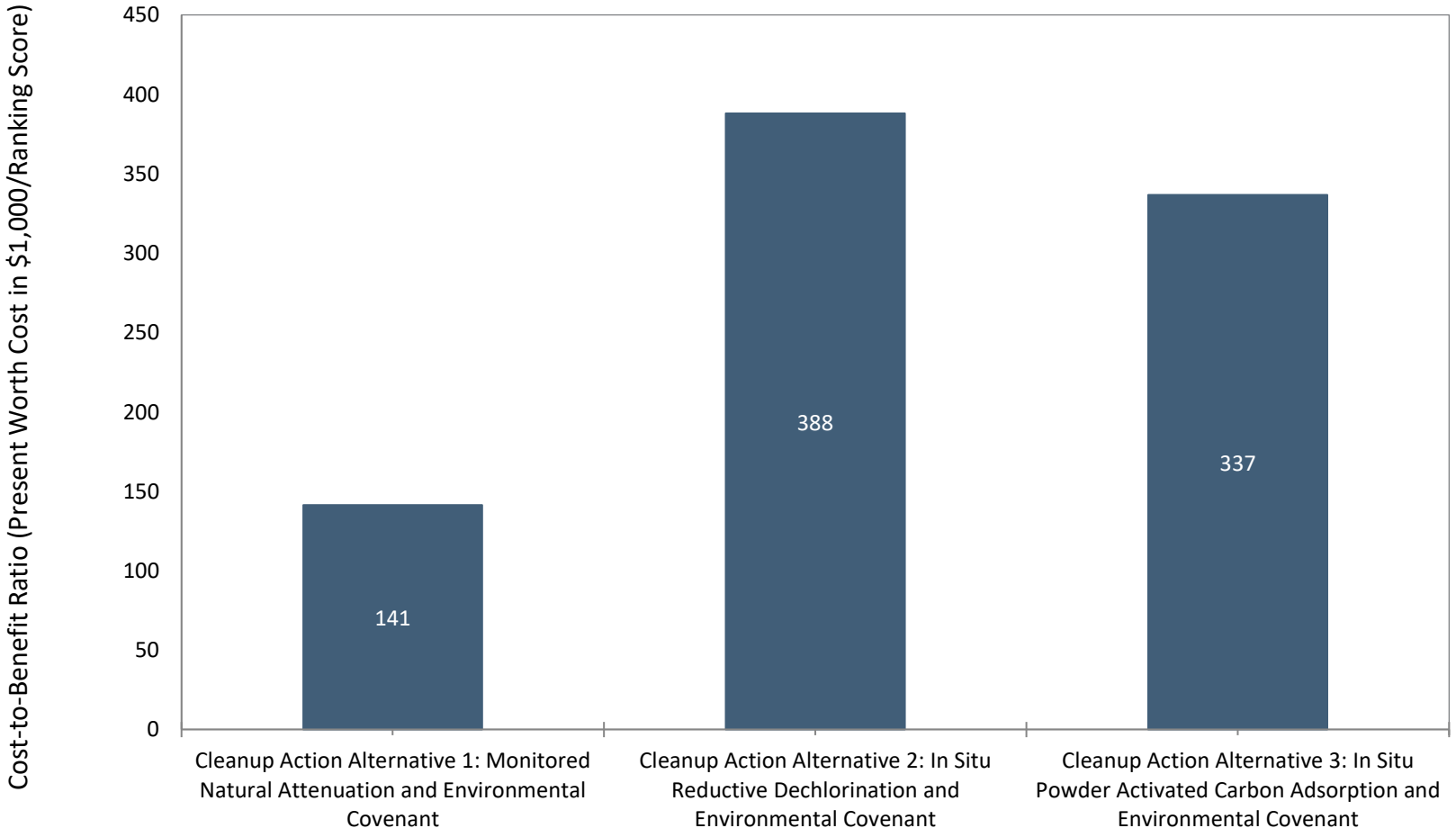


Chart 2
Cost-to-Benefit Ratios for
Cleanup Action Alternatives
Troy Laundry Seattle Site
300 Boren Avenue North and 399 Fairview Avenue North
Seattle, Washington



APPENDIX A

Injection and Monitoring Well Construction Logs

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/08/21
Surface Conditions:	Concrete
Location N/S:	0' N/S of MW08
Location E/W:	10' W of MW08
Reviewed by:	CJT
Date Completed:	04/09/21

BORING LOG | INJ-1 IW92

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 91 feet bgs

Water Depth After Completion 86.75 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
0									**0.0-1.0 feet bgs: 12 inches of concrete at surface. Boring cleared by air knife to 5 feet bgs.**	
							SM		**1.0-5.0 feet bgs: Silty SAND, trace gravel, tan, no solvent odor, moist (15-80-5).**	
5							ML		**5.0-8.0 feet bgs: Sandy SILT with gravel, gray to brown, no solvent odor, moist (60-30-10).**	
			100	0.0						
							SM		**8.0-9.0 feet bgs: Silty SAND, trace gravel, brown, no solvent odor, moist (20-75-5).**	
			100	0.0			SP-SM		**9.0-15.0 feet bgs: Poorly graded SAND with silt and gravel, brown, no solvent odor, moist (10-60-30).**	
10										
			100	0.0						
			100	0.0						
15										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 103		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/08/21
Surface Conditions:	Concrete
Location N/S:	0' N/S of MW08
Location E/W:	10' W of MW08
Reviewed by:	CJT
Date Completed:	04/09/21

BORING LOG | INJ-1 IW92

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: 91 feet bgs

Water Depth After Completion: 86.75 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.0			SP-SM		**15.0-17.0 feet bgs: Poorly graded SAND with silt and gravel, brown, no solvent odor, moist (10-60-30).**	
			100	0.0			SM		**17.0-20.0 feet bgs: Silty SAND with gravel, brown, no solvent odor, moist (15-70-15).**	
20			100	0.2			SM		**20.0-27.5 feet bgs: Silty SAND with gravel, brown with iron oxide staining, no solvent odor, moist (20-55-25).**	
			100	0.2						
25			100	0.0					**27.5-29.0 feet bgs: 6-inch-diameter granite fragments.**	
			100	0.2			SM		**29.0-30.0 feet bgs: Silty SAND, trace gravel, dark gray, no solvent odor, moist (15-80-5).**	
30										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches	**Notes/Comments:**
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs	bgs = below ground surface
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand		
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete		
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite		
State Well ID No.:	BNW 103		**Monument Type:**	Flush mount		

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/08/21
Surface Conditions:	Concrete
Location N/S:	0' N/S of MW08
Location E/W:	10' W of MW08
Reviewed by:	CJT
Date Completed:	04/09/21

BORING LOG | INJ-1 IW92

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 91 feet bgs

Water Depth After Completion 86.75 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			80	0.0			SM		**30.0-40.0 feet bgs: Silty SAND with gravel, tan with iron oxide staining, no solvent odor, moist (15-60-25).**	
			100	0.0						
35			100	0.2						
			100	0.0						
40							SP-SM		**40.0-45.0 feet bgs: Poorly graded SAND with silt and gravel, tan with iron oxide staining, no solvent odor, moist (10-75-15).**	
			100							
			75	0.1						
45										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 103		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/08/21
Surface Conditions:	Concrete
Location N/S:	0' N/S of MW08
Location E/W:	10' W of MW08
Reviewed by:	CJT
Date Completed:	04/09/21

BORING LOG | INJ-1 IW92

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 91 feet bgs

Water Depth After Completion 86.75 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.0			SP-SM		**45.0-52.0 feet bgs: Poorly graded SAND with silt and gravel, tan with iron oxide staining, no solvent odor, moist (10-75-15).**	
			100	0.0						
50			100	0.0						
			100	0.1			GP		**52.0-55.0 feet bgs: Sandy GRAVEL with silt, tan, no solvent odor, moist (10-35-55).**	
55			100	0.0			SP-SM		**55.0-60.0 feet bgs: Poorly graded SAND with silt and gravel, tan with iron oxide staining, no solvent odor, moist (10-75-15).**	
			100	0.0						
60										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 103		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/08/21
Surface Conditions:	Concrete
Location N/S:	0' N/S of MW08
Location E/W:	10' W of MW08
Reviewed by:	CJT
Date Completed:	04/09/21

BORING LOG | INJ-1 IW92

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: 91 feet bgs

Water Depth After Completion: 86.75 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.0			SM		**60.0-62.0 feet bgs: Silty SAND with gravel, brown, no solvent odor, moist (15-70-15).**	
									62.0-63.0 feet bgs: Building tie-back encountered.	
			100	0.0			SP-SM		**63.0-65.0 feet bgs: Poorly graded SAND with silt and gravel, brown, no solvent odor, moist (10-75-15).**	
65							SM		**65.0-67.0 feet bgs: Silty SAND with gravel, red/orange with iron oxide staining, no solvent odor, moist (20-60-20).**	
			100	0.0						
							SP-SM		**67.0-70.0 feet bgs: Poorly graded SAND with silt and gravel, brown to tan, no solvent odor, moist (10-65-25).**	
			100	0.0						
70							SM		**70.0-75.0 feet bgs: Silty SAND with gravel, tan, no solvent odor, moist (20-60-20).**	
			100	0.0						
			100	0.0						
75										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 103		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/08/21
Surface Conditions:	Concrete
Location N/S:	0' N/S of MW08
Location E/W:	10' W of MW08
Reviewed by:	CJT
Date Completed:	04/09/21

BORING LOG | INJ-1 IW92

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 91 feet bgs

Water Depth After Completion 86.75 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)
			100	0.0			SM		**75.0-80.0 feet bgs: Silty SAND with gravel, tan, no solvent odor, moist (20-60-20).**
			100	0.0					
80							SM		**80.0-82.5 feet bgs: Silty SAND with gravel, tan, faint solvent odor, moist (20-60-20).**
			100	15.5					
							SM		**82.5-85.0 feet bgs: SIlty SAND with gravel, tan, moderate solvent odor, moist (20-60-20).**
			100	158.3					
85							SM		**85.0-88.0 feet bgs: Silty SAND, trace gravel, brown, moderate solvent odor, moist to wet (20-75-5).**
			100	682	INJ-1-87				
							SM		**88.0-90.0 feet bgs: Silty SAND, trace gravel, brown, faint solvent odor, wet (20-75-5).**
			100	54					
90									

Well Detail/ Water Depth

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 103		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/08/21
Surface Conditions:	Concrete
Location N/S:	0' N/S of MW08
Location E/W:	10' W of MW08
Reviewed by:	CJT
Date Completed:	04/09/21

BORING LOG | INJ-1 IW92

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 91 feet bgs

Water Depth After Completion 86.75 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.5	INJ-1-92		SM		**90.0-94.0 feet bgs: Silty SAND, trace gravel, brown, no solvent odor, wet (20-75-5).**	
			100	1.8			SM		**94.0-102.5 feet bgs: Silty SAND with gravel, brown, no solvent odor, wet (15-45-40).**	
95			100	0.0						
			100	0.0						
100			100	0.0						
			100	0.1	INJ-1-105		SM		**102.5-105.0 feet bgs: Silty SAND, trace gravel, brown, no solvent odor, wet (20-75-5).** **Boring terminated at 105 feet bgs. Injection well IW92 installed, screened from 80 to 105 feet bgs.**	
105										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 103		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/06/21
Surface Conditions:	Concrete
Location N/S:	16' N of MW28
Location E/W:	2.5' W of MW28
Reviewed by:	CJT
Date Completed:	04/08/21

BORING LOG | INJ-2 IW93

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 90 feet bgs

Water Depth After Completion 84.23 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
0									**0.0-1.0 feet bgs: 12 inches of concrete at surface. Boring cleared by air knife to 5 feet bgs.**	
							SM		**1.0-5.0 feet bgs: Silty SAND with gravel, tan, no solvent odor, moist (15-60-25).**	
5				0.1			**ML**		**5.0-10.0 feet bgs: SILT with sand and gravel, grayish brown, no solvent odor, moist (60-30-10).**	
			100	0.0						
			100	0.0						
10							**SP-SM**		**10.0-15.0 feet bgs: SAND with silt and gravel, brown, no solvent odor, moist (10-60-30).**	
			100	0.0						
			100	0.0						
15										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 102		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/06/21
Surface Conditions:	Concrete
Location N/S:	16' N of MW28
Location E/W:	2.5' W of MW28
Reviewed by:	CJT
Date Completed:	04/08/21

BORING LOG | INJ-2 IW93

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 90 feet bgs

Water Depth After Completion 84.23 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
							SP-SM		**15.0-16.0 feet bgs: SAND with silt and gravel, brown, no solvent odor, moist (10-60-30).**	
			100	0.0			SM		**16.0-24.0 feet bgs: Silty SAND with gravel, brown, no solvent odor, moist (15-60-25).**	
			100	0.0						
20			100	0.0						
			100	0.0			SM		**24.0-27.5 feet bgs: Silty SAND, trace gravel, gray with iron oxide staining, no solvent odor, moist (20-75-5).**	
25			100	0.0						
							ML		**27.5-30.0 feet bgs: SILT with sand, dark brown, no solvent odor, moist (90-10-0).**	
			100	0.0						
30										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 102		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

Project:	Troy Laundry Seattle Site	BORING LOG	**INJ-2** IW93
Project Number:	0731-004		
Logged by:	SNW		
Date Started:	04/06/21		
Surface Conditions:	Concrete		
Location N/S:	16' N of MW28		
Location E/W:	2.5' W of MW28		
Reviewed by:	CJT		
Date Completed:	04/08/21		

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 90 feet bgs

Water Depth After Completion 84.23 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.0			ML		**30.0-33.0 feet bgs: Sandy SILT, trace gravel, blue-gray, no solvent odor, moist (70-25-5).**	
			100	0.0			ML		**33.0-43.0 feet bgs: Sandy SILT, trace gravel, tan with iron oxide staining, no solvent odor, moist (70-25-5).**	
35			100	0.0						
			100	0.0						
40			100	0.0						
			100	0.0			SP-SM		**43.0-45.0 feet bgs: SAND with silt and gravel, tan with iron oxide staining, no solvent odor, moist (10-75-15)**	
45										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 102		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/06/21
Surface Conditions:	Concrete
Location N/S:	16' N of MW28
Location E/W:	2.5' W of MW28
Reviewed by:	CJT
Date Completed:	04/08/21

BORING LOG | INJ-2 IW93

Site Address: 300 Boren Avenue North
Seattle, Washington

Water Depth At Time of Drilling 90 feet bgs

Water Depth After Completion 84.23 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
50			100	0.0			SP-SM		**45.0-51.0 feet bgs: SAND with silt and gravel, tan with iron oxide staining, no solvent odor, moist (10-75-15)**	
			100	0.0						
			100	0.0			GP		**51.0-58.0 feet bgs: Sandy GRAVEL with silt, tan, no solvent odor, moist (10-35-55).**	
55			100	0.0						
			100	0.0			SM		**58.0-60.0 feet bgs: Silty SAND with gravel, tan with iron oxide staining, no solvent odor, moist (20-60-20).**	
60			100	0.0						

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 102		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/06/21
Surface Conditions:	Concrete
Location N/S:	16' N of MW28
Location E/W:	2.5' W of MW28
Reviewed by:	CJT
Date Completed:	04/08/21

BORING LOG | INJ-2 IW93

Site Address: 300 Boren Avenue North
Seattle, Washington

Water Depth At Time of Drilling 90 feet bgs

Water Depth After Completion 84.23 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
65			100	0.0			SM		**60.0-70.0 feet bgs: Silty SAND with gravel, tan with iron oxide staining, no solvent odor, moist (20-60-20).**	
			100	0.0						
			100	0.0						
70			100	0.0			SP-SM		**70.0-75.0 feet bgs: Poorly graded SAND with silt and gravel, tan, no solvent odor, moist (10-70-20).**	
			100	0.0						
75			100	0.0						

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 102		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/06/21
Surface Conditions:	Concrete
Location N/S:	16' N of MW28
Location E/W:	2.5' W of MW28
Reviewed by:	CJT
Date Completed:	04/08/21

BORING LOG | INJ-2 IW93

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: 90 feet bgs

Water Depth After Completion: 84.23 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.0			SP-SM		**75.0-77.0 feet bgs: Poorly graded SAND with silt and gravel, tan, no solvent odor, moist (10-70-20).**	
							SM		**77.0-82.5 feet bgs: Silty SAND, trace gravel, brown, no solvent odor, moist (20-75-5).**	
			100	0.0						
80										
			100	0.1						
							SM		**82.5-85.0 feet bgs: Silty SAND, trace gravel, gray to brown, faint solvent odor, moist (20-75-5).**	
			100	145						
85							SM		**85.0-88.0 feet bgs: Silty SAND, trace gravel, gray to brown, moderate solvent odor, moist (20-75-5).**	
			100	412	INJ-2-86					
							SM		**88.0-90.0 feet bgs: Silty SAND, trace gravel, brown, faint solvent odor, moist (20-75-5).**	
			100	75						
90										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 102		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	04/06/21
Surface Conditions:	Concrete
Location N/S:	16' N of MW28
Location E/W:	2.5' W of MW28
Reviewed by:	CJT
Date Completed:	04/08/21

BORING LOG | INJ-2 IW93

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: 90 feet bgs

Water Depth After Completion: 84.23 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	1.9	INJ-2-92		SM		**90.0-93.0 feet bgs: Silty SAND, trace gravel, brown, no solvent odor, wet (20-75-5).**	
			100	2.4			SM		**93.0-100.0 feet bgs: Silty SAND with gravel, brown to gray, no solvent odor, wet (15-45-40).**	
95			100	2.1						
			100	2.0						
100			100	0.5			SM		**100.0-105.0 feet bgs: Silty SAND, trace gravel, brown, no solvent odor, wet (20-75-5).**	
			100							
105				0.2	INJ-2-105				**Boring terminated at 105 feet bgs. Injection well IW93 installed, screened from 80 to 105 feet bgs.**	

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 102		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	03/29/21
Surface Conditions:	Concrete
Location N/S:	16.5' N of MW28
Location E/W:	10' E of MW28
Reviewed by:	CJT
Date Completed:	04/05/21

BORING LOG | INJ-3 IW94

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: 89 feet bgs

Water Depth After Completion: 87.18 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
0									**0.0-1.0 feet bgs: 11.5 inches of concrete at surface. Boring cleared by air knife to 5 feet bgs.**	
							SM		**1.0-5.0 feetbgs: Silty SAND with gravel, tan, no solvent odor, moist (15-60-25).**	
5				0.2			SP-SM		**5.0-7.5 feet bgs: SAND with silt and gravel, brown, no solvent odor, moist (10-80-10).**	
			100	0.0						
							ML		**7.5-10.0 feet bgs: Sandy SILT with gravel, brown, no solvent odor, moist (60-30-10).**	
			100	0.0						
10							SP-SM		**10.0-15.0 feet bgs: SAND with silt and gravel, brown, no solvent odor, moist (10-60-30).**	
			100	0.0						
			100	0.1						
15										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 101		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	03/29/21
Surface Conditions:	Concrete
Location N/S:	16.5' N of MW28
Location E/W:	10' E of MW28
Reviewed by:	CJT
Date Completed:	04/05/21

BORING LOG | INJ-3 IW94

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 89 feet bgs

Water Depth After Completion 87.18 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.0			SP-SM		**15.0-17.5 feet bgs: SAND with silt and gravel, brown, no solvent odor, moist (10-60-30).**	
			100	0.1			SM		**17.5-20.0 feet bgs: Silty SAND with gravel, brown, no solvent odor, moist (15-60-25).**	
20			100	1.2			SM		**20.0-22.5 feet bgs: Silty SAND with gravel, brown, no solvent odor, moist (25-65-10).**	
			100	0.0			SP-SM		**22.5-25.0 feet bgs: SAND with silt and gravel, brown, no solvent odor, moist (10-75-15).**	
25			100	1.1			SM		**25.0-27.5 feet bgs: Silty SAND with gravel, brown with iron oxide staining, no solvent odor, moist (20-65-15).**	
			100	0.0			SM		**27.5-30.0 feet bgs: Silty SAND, trace gravel, gray, no solvent odor, moist (15-80-5).**	
30										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 101		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	03/29/21
Surface Conditions:	Concrete
Location N/S:	16.5' N of MW28
Location E/W:	10' E of MW28
Reviewed by:	CJT
Date Completed:	04/05/21

BORING LOG | INJ-3 IW94

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 89 feet bgs

Water Depth After Completion 87.18 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.4			ML		**30.0-32.5 feet bgs: Sandy SILT, trace gravel, dark brown, no solvent odor, moist (70-25-5).**	
			100	0.1			ML		**32.5-35.0 feet bgs: Sandy SILT, trace gravel, blue/gray, no solvent odor, moist (70-25-5).**	
35			100	0.2			ML		**35.0-41.0 feet bgs: Sandy SILT, trace gravel, tan with iron oxide staining, no solvent odor, moist (70-25-5).**	
			100	0.0						
40			100	0.1			SM		**41.0-45.0 feet bgs: Silty SAND with gravel, tan with iron oxide staining, no solvent odor, moist (15-60-25).**	
			100	0.1						
45										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 101		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	03/29/21
Surface Conditions:	Concrete
Location N/S:	16.5' N of MW28
Location E/W:	10' E of MW28
Reviewed by:	CJT
Date Completed:	04/05/21

BORING LOG | INJ-3 IW94

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: 89 feet bgs

Water Depth After Completion: 87.18 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.1			SP-SM		**45.0-50.0 feet bgs: SAND with silt and gravel, tan with iron oxide staining, no solvent odor, moist (10-75-15).**	
			100	0.1						
50							GP		**50.0-57.5 feet bgs: GRAVEL with sand and silt, tan, no solvent odor, moist (10-35-55).**	
			100	0.2						
			100	0.1						
55										
			100	0.1						
							SM		**57.5-60.0 feet bgs: Silty SAND with gravel, tan, no solvent odor, moist (20-60-20).**	
			100	0.2						
60										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 101		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	03/29/21
Surface Conditions:	Concrete
Location N/S:	16.5' N of MW28
Location E/W:	10' E of MW28
Reviewed by:	CJT
Date Completed:	04/05/21

BORING LOG | INJ-3 IW94

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling 89 feet bgs

Water Depth After Completion 87.18 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
65			100	0.3			SM		**60.0-70.0 feet bgs: Silty SAND with gravel, tan with iron oxide staining, no solvent odor, moist (20-55-25).**	
			100	0.4						
			100	0.1						
			100	0.1						
70			100	0.0			SP-SM		**70.0-75.0 feet bgs: Poorly graded SAND with silt and gravel, tan, no solvent odor, moist (10-70-20).**	
			100	0.2						
75										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 101		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	03/29/21
Surface Conditions:	Concrete
Location N/S:	16.5' N of MW28
Location E/W:	10' E of MW28
Reviewed by:	CJT
Date Completed:	04/05/21

BORING LOG | INJ-3 IW94

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: 89 feet bgs

Water Depth After Completion: 87.18 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	0.2			SM		**75.0-79.0 feet bgs: Silty SAND with gravel, tan, no solvent odor, moist (20-60-20).**	
			100	0.0						
			100	0.1			SM		**79.0-80.0 feet bgs: Silty SAND, trace gravel, brown, no solvent odor, moist (20-75-5).**	
80							SM		**80.0-89.0 feet bgs: Silty SAND, trace gravel, brown, moderate solvent odor, moist (20-75-5).**	
			100	607.3	INJ-3-83					
			100	1,761						
85			75	1,683						
			100	1,062			SM		**89.0-90.0 feet bgs: Silty SAND, trace gravel, brown, moderate solvent odor, wet (20-75-5).**	
90										

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 101		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Seattle Site
Project Number:	0731-004
Logged by:	SNW
Date Started:	03/29/21
Surface Conditions:	Concrete
Location N/S:	16.5' N of MW28
Location E/W:	10' E of MW28
Reviewed by:	CJT
Date Completed:	04/05/21

BORING LOG | INJ-3 IW94

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: 89 feet bgs

Water Depth After Completion: 87.18 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			100	5.8	INJ-3-92		SM		**90.0-93.0 feet bgs: Silty SAND, trace gravel, brown, no solvent odor, wet (20-75-5).**	
			100	11.5			SM		**93.0-100.0 feet bgs: Silty SAND with gravel, brown, no solvent odor, wet (15-45-40).**	
95			85	1.5						
			100	0.8						
100			100	1.4			SP-SM		**100.0-105.0 feet bgs: Poorly graded SAND with silt and gravel, brown, no solvent odor, wet to moist (10-70-20).**	
			100							
105				1.1	INJ-3-105				**Boring terminated at 105 feet bgs. Injection well IW94 installed, screened from 80 to 105 feet bgs.**	

Drilling Co./Driller:	Cascade / Matt		**Well/Auger Diameter:**	4 / 8	inches
Drilling Equipment:	Track-mounted sonic		**Well Screened Interval:**	80 - 105	feet bgs
Sampler Type:	Plastic sleeve		**Screen Slot Size:**	0.020	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	Sand	
Total Boring Depth:	105	feet bgs	**Surface Seal:**	Concrete	
Total Well Depth:	105	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BNW 101		**Monument Type:**	Flush mount	

Notes/Comments:

bgs = below ground surface

SoundEarth Strategies

Project:	Troy Laundry Property
Project Number:	0731-004
Logged by:	LGC
Date Started:	04/27/23
Surface Conditions:	Soil
Location N/S:	4.5 feet N of SW corner of NW Elevator
Location E/W:	49.2 feet E of SW corner of NW Elevator
Reviewed by:	CJT
Date Completed:	05/09/23

BORING LOG | MW29R

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: ~30 feet bgs

Water Depth After Completion: ~37 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
0				3.8			SM		**0.0-4.0 feet bgs: Silty SAND with gravel, tan to gray, no hydrocarbon or solvent odor, dry (30-55-15).**	
5			**95**	2.2			SM		**4.0-8.0 feet bgs: Silty SAND with gravel, tan to light gray, no hydrocarbon or solvent odor, dry (30-50-20).**	
10				0.0	MW29R-10		SM		**8.0-15.0 feet bgs: Silty SAND with gravel, tan brown, no hydrocarbon or solvent odor, moist (15-65-20).**	
15										

Drilling Co./Driller:	Anderson / Don		**Well/Auger Diameter:**	2 / 8.25	inches
Drilling Equipment:	Sonic D107		**Well Screened Interval:**	32-52	feet bgs
Sampler Type:	Plastic Sleeve		**Screen Slot Size:**	0.010	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#12/20 Silica Sand	
Total Boring Depth:	52	feet bgs	**Surface Seal:**	Cement	
Total Well Depth:	52	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BPA 233		**Monument Type:**		

Notes/Comments:

bgs = below ground surface.

SoundEarth Strategies

Project:	Troy Laundry Property
Project Number:	0731-004
Logged by:	LGC
Date Started:	04/27/23
Surface Conditions:	Soil
Location N/S:	4.5 feet N of SW corner of NW Elevator
Location E/W:	49.2 feet E of SW corner of NW Elevator
Reviewed by:	CJT
Date Completed:	05/09/23

BORING LOG | MW29R

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: ~30 feet bgs

Water Depth After Completion: ~37 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			95				SM		**15.0-22.0 feet bgs: Silty SAND with gravel, light brown, no hydrocarbon or solvent odor, moist (20-65-15).**	
20				18.8	MW29R-20					
							SM		**22.0-40.0 feet bgs: Silty SAND with gravel, light brown/tan, no hydrocarbon or solvent odor, moist (20-60-20).**	
25			95							
30										

Drilling Co./Driller:	Anderson / Don		**Well/Auger Diameter:**	2 / 8.25	inches	**Notes/Comments:**
Drilling Equipment:	Sonic D107		**Well Screened Interval:**	32-52	feet bgs	bgs = below ground surface.
Sampler Type:	Plastic Sleeve		**Screen Slot Size:**	0.010	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#12/20 Silica Sand		
Total Boring Depth:	52	feet bgs	**Surface Seal:**	Cement		
Total Well Depth:	52	feet bgs	**Annular Seal:**	Bentonite		
State Well ID No.:	BPA 233		**Monument Type:**			

SoundEarth Strategies

Project:	Troy Laundry Property
Project Number:	0731-004
Logged by:	LGC
Date Started:	04/27/23
Surface Conditions:	Soil
Location N/S:	4.5 feet N of SW corner of NW Elevator
Location E/W:	49.2 feet E of SW corner of NW Elevator
Reviewed by:	CJT
Date Completed:	05/09/23

BORING LOG | MW29R

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: ~30 feet bgs

Water Depth After Completion: ~37 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
				7.4	MW29R-30					
35			**95**							
40				2.5	MW29R-40		**SM**		**40.0-45.0 feet bgs: Silty SAND, trace gravel, light brown, no hydrocarbon or solvent odor, wet (25-70-5).**	
				308	MW29R-43					
45										

Drilling Co./Driller:	Anderson / Don		**Well/Auger Diameter:**	2 / 8.25	inches
Drilling Equipment:	Sonic D107		**Well Screened Interval:**	32-52	feet bgs
Sampler Type:	Plastic Sleeve		**Screen Slot Size:**	0.010	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#12/20 Silica Sand	
Total Boring Depth:	52	feet bgs	**Surface Seal:**	Cement	
Total Well Depth:	52	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BPA 233		**Monument Type:**		

Notes/Comments:

bgs = below ground surface.

SoundEarth Strategies

Project:	Troy Laundry Property
Project Number:	0731-004
Logged by:	LGC
Date Started:	04/27/23
Surface Conditions:	Soil
Location N/S:	4.5 feet N of SW corner of NW Elevator
Location E/W:	49.2 feet E of SW corner of NW Elevator
Reviewed by:	CJT
Date Completed:	05/09/23

BORING LOG | MW29R

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: ~30 feet bgs

Water Depth After Completion: ~37 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
50			95	2.5			SM		**45.0-50.0 feet bgs: Silty SAND with gravel, light brown, faint solvent odor, wet (20-70-10).**	
			95	2.6	MW29R-52		SM		**50.0-52.0 feet bgs: Silty SAND with gravel, light brown, no hydrocarbon or solvent odor, wet (15-70-15).**	
55									**Boring terminated at 52 feet bgs. Completed as monitoring well MW29R with a screened interval of 32 to 52 feet bgs.**	
60										

Drilling Co./Driller:	Anderson / Don		**Well/Auger Diameter:**	2 / 8.25	inches
Drilling Equipment:	Sonic D107		**Well Screened Interval:**	32-52	feet bgs
Sampler Type:	Plastic Sleeve		**Screen Slot Size:**	0.010	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#12/20 Silica Sand	
Total Boring Depth:	52	feet bgs	**Surface Seal:**	Cement	
Total Well Depth:	52	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BPA 233		**Monument Type:**		

Notes/Comments:

bgs = below ground surface.

SoundEarth Strategies

Project:	Troy Laundry Property
Project Number:	0731-004
Logged by:	LGC
Date Started:	04/28/23
Surface Conditions:	Soil
Location N/S:	12.5 feet N of NE corner of "stairs 2" concrete structure
Location E/W:	23.2 feet E of NE corner of "stairs 2" concrete structure
Reviewed by:	CJT
Date Completed:	05/09/23

BORING LOG | MW35

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling: ~35 feet bgs

Water Depth After Completion: ~40 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
0				12.5			SP		**0.0-2.0 feet bgs: SAND with gravel, trace silt, tan, no hydrocarbon or solvent odor, dry (5-70-20).**	
				8.8			SM		**2.0-8.5 feet bgs: Silty SAND with gravel, blue-green, faint hydrocarbon odor, moist (20-70-10).**	
5			**95**	6.7						
				13.4						
				19.4	MW35-08					
							SP-SM		**8.5-12.0 feet bgs: SAND with silt and gravel, light brown, no hydrocarbon or solvent odor, moist (10-65-25).**	
10				8.9						
				1.5			SP-SM		**12.0-18.0 feet bgs: SAND with silt and gravel, reddish brown, no hydrocarbon or solvent odor, moist (10-80-10).**	
15										

Drilling Co./Driller:	Anderson / Don		**Well/Auger Diameter:**	2 / 8.25	inches	**Notes/Comments:**	
Drilling Equipment:	Sonic D107		**Well Screened Interval:**	41-56	feet bgs	bgs = below ground surface.	
Sampler Type:	Plastic Sleeve		**Screen Slot Size:**	0.010	inches		
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#12/20 Silica Sand			
Total Boring Depth:	56	feet bgs	**Surface Seal:**	Cement			
Total Well Depth:	56	feet bgs	**Annular Seal:**	Bentonite			
State Well ID No.:	BPA 234		**Monument Type:**				

SoundEarth Strategies

Project:	Troy Laundry Property
Project Number:	0731-004
Logged by:	LGC
Date Started:	04/28/23
Surface Conditions:	Soil
Location N/S:	12.5 feet N of NE corner of "stairs 2" concrete structure
Location E/W:	23.2 feet E of NE corner of "stairs 2" concrete structure
Reviewed by:	CJT
Date Completed:	05/09/23

BORING LOG | MW35

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling ~35 feet bgs

Water Depth After Completion ~40 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
			95	1.9						
				2.0			SP		**18.0-28.0 feet bgs: SAND with gravel, trace silt, light gray-brown, no hydrocarbon or solvent odor, moist (5-55-40).**	
20				2.6	MW35-20					
				0.5						
				2.3						
25			80							
				3.8			SP-SM		**28.0-40.0 feet bgs: SAND with silt and gravel, light brown-tan, no hydrocarbon or solvent odor, moist (10-65-25).**	
30										

Drilling Co./Driller:	Anderson / Don		**Well/Auger Diameter:**	2 / 8.25	inches	**Notes/Comments:**
Drilling Equipment:	Sonic D107		**Well Screened Interval:**	41-56	feet bgs	bgs = below ground surface.
Sampler Type:	Plastic Sleeve		**Screen Slot Size:**	0.010	inches	
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#12/20 Silica Sand		
Total Boring Depth:	56	feet bgs	**Surface Seal:**	Cement		
Total Well Depth:	56	feet bgs	**Annular Seal:**	Bentonite		
State Well ID No.:	BPA 234		**Monument Type:**			

SoundEarth Strategies

Project:	Troy Laundry Property
Project Number:	0731-004
Logged by:	LGC
Date Started:	04/28/23
Surface Conditions:	Soil
Location N/S:	12.5 feet N of NE corner of "stairs 2" concrete structure
Location E/W:	23.2 feet E of NE corner of "stairs 2" concrete structure
Reviewed by:	CJT
Date Completed:	05/09/23

BORING LOG | MW35

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling ~35 feet bgs

Water Depth After Completion ~40 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
				5.6	MW35-30					
				4.2						
35			80	2.8						
40				14.6	MW35-40		SP-SM		**40.0-51.0 feet bgs: SAND with silt and gravel, light brown, no to faint solvent odor, wet (10-70-20).**	
			90	0.0						
45										

Drilling Co./Driller:	Anderson / Don		**Well/Auger Diameter:**	2 / 8.25	inches
Drilling Equipment:	Sonic D107		**Well Screened Interval:**	41-56	feet bgs
Sampler Type:	Plastic Sleeve		**Screen Slot Size:**	0.010	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#12/20 Silica Sand	
Total Boring Depth:	56	feet bgs	**Surface Seal:**	Cement	
Total Well Depth:	56	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BPA 234		**Monument Type:**		

Notes/Comments:

bgs = below ground surface.

SoundEarth Strategies

Project:	Troy Laundry Property
Project Number:	0731-004
Logged by:	LGC
Date Started:	04/28/23
Surface Conditions:	Soil
Location N/S:	12.5 feet N of NE corner of "stairs 2" concrete structure
Location E/W:	23.2 feet E of NE corner of "stairs 2" concrete structure
Reviewed by:	CJT
Date Completed:	05/09/23

BORING LOG | MW35

Site Address: 300 Boren Avenue North, Seattle, Washington

Water Depth At Time of Drilling ~35 feet bgs

Water Depth After Completion ~40 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppm)	Sample ID	Sample Analyzed	Group Symbol	Graphic	Lithologic Description (ASTM texture, density, color, odor, moisture, supplemental descriptors, estimated grain size distribution) Field-estimated grain size distribution by volume (% Fines - % Sand - % Gravel)	Well Detail/ Water Depth
50			90	0.5	MW35-50		SP-SM		**51.0-56.0 feet bgs: Medium to coarse SAND with silt and gravel, light brown, no hydrocarbon or solvent odor, wet (10-80-10).**	
				0.7						
55				6.1	MW35-56					
									Boring terminated at 56 feet bgs. Completed as monitoring well MW35 with a screened interval of 41 to 56 feet bgs.	
60										

Drilling Co./Driller:	Anderson / Don		**Well/Auger Diameter:**	2 / 8.25	inches
Drilling Equipment:	Sonic D107		**Well Screened Interval:**	41-56	feet bgs
Sampler Type:	Plastic Sleeve		**Screen Slot Size:**	0.010	inches
Hammer Type/Weight:	--	lbs	**Filter Pack Used:**	#12/20 Silica Sand	
Total Boring Depth:	56	feet bgs	**Surface Seal:**	Cement	
Total Well Depth:	56	feet bgs	**Annular Seal:**	Bentonite	
State Well ID No.:	BPA 234		**Monument Type:**		

Notes/Comments:

bgs = below ground surface.

APPENDIX B

Statistical Trend Analysis

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.112/25/2023 10:30:01 AM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

Vinyl Chloride

General Statistics

Number of Events Reported (m)	22
Number of Missing Events	0
Number or Reported Events Used	22
Number Values Reported (n)	22
Minimum	0.1
Maximum	1.6
Mean	0.445
Geometric Mean	0.302
Median	0.31
Standard Deviation	0.399
Coefficient of Variation	0.897

Mann-Kendall Test

M-K Test Value (S)	49
Tabulated p-value	0.089
Standard Deviation of S	34.82
Standardized Value of S	1.379
Approximate p-value	0.084

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

	A	B	C
1	Time Since	Vinyl Chloride	
2	0	0.1	
3	306	0.1	
4	433	0.1	
5	532	0.1	
6	629	0.1	
7	755	0.21	
8	869	0.22	
9	953	0.54	
10	1037	0.65	
11	1149	0.68	
12	1233	0.1	
13	1317	1.6	
14	1499	1	
15	1674	1.1	
16	1877	0.77	
17	2045	0.64	
18	2240	0.46	
19	2415	0.34	
20	2589	0.34	
21	2778	0.28	
22	2967	0.26	
23	3135	0.1	

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.14/5/2024 3:22:24 PM	
From File	PROUCL_IW50_rawadata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

cis12DCE

General Statistics

Number of Events Reported (m)	23
Number of Missing Events	0
Number or Reported Events Used	23
Number Values Reported (n)	23
Minimum	0.5
Maximum	140
Mean	32.27
Geometric Mean	15.72
Median	22
Standard Deviation	36.08
Coefficient of Variation	1.118

Mann-Kendall Test

M-K Test Value (S)	-98
Critical Value (0.15)	-1.036
Standard Deviation of S	37.85
Standardized Value of S	-2.563
Approximate p-value	0.00519

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

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.14/5/2024 3:24:34 PM	
From File	PROUCL_IW50_rawadata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

PCE

General Statistics

Number of Events Reported (m)	23
Number of Missing Events	0
Number or Reported Events Used	23
Number Values Reported (n)	23
Minimum	0.5
Maximum	13
Mean	2.739
Geometric Mean	1.506
Median	1.6
Standard Deviation	3.054
Coefficient of Variation	1.115

Mann-Kendall Test

M-K Test Value (S)	31
Critical Value (0.15)	1.036
Standard Deviation of S	35.57
Standardized Value of S	0.843
Approximate p-value	0.199

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

Mann-Kendall Trend Test Analysis

User Selected Options	
Date/Time of Computation	ProUCL 5.14/5/2024 3:23:30 PM
From File	PROUCL_IW50_rawadata.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

VC

General Statistics

Number of Events Reported (m)	23
Number of Missing Events	0
Number or Reported Events Used	23
Number Values Reported (n)	23
Minimum	0.1
Maximum	7.4
Mean	2.81
Geometric Mean	1.802
Median	2.4
Standard Deviation	2.243
Coefficient of Variation	0.798

Mann-Kendall Test

M-K Test Value (S)	75
Critical Value (0.15)	1.036
Standard Deviation of S	37.84
Standardized Value of S	1.956
Approximate p-value	0.0252

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

	A	B	C	D
1	Time Since	VC	cis12DCE	PCE
2	0	0.1	44	4.1
3	127	1.8	140	0.5
4	219	1.9	110	0.5
5	347	2.5	38	3.7
6	445	1	23	3.7
7	542	0.74	34	13
8	669	0.95	81	0.5
9	783	2.6	26	0.5
10	866	2.2	15	0.5
11	950	3.6	8	0.5
12	1062	2.5	4.5	0.5
13	1146	2.9	5.1	0.5
14	1230	4.5	15	1.6
15	1412	7.1	54	5.2
16	1587	7.4	55	4.5
17	1790	1.1	2.7	3.9
18	1958	0.1	0.5	0.5
19	2153	0.85	1.7	3.7
20	2328	0.8	2.9	0.5
21	2502	2.4	6.9	0.5
22	2692	6.4	35	4.7
23	2881	5.8	18	1.8
24	3048	5.4	22	7.6

Mann-Kendall Trend Test Analysis		
User Selected Options	IW04 Q42023	
Date/Time of Computation	ProUCL 5.112/25/2023 12:00:11 PM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

cis12DCE

General Statistics

Number of Events Reported (m)	23
Number of Missing Events	0
Number or Reported Events Used	23
Number Values Reported (n)	23
Minimum	24
Maximum	140
Mean	56.35
Geometric Mean	50.37
Median	57
Standard Deviation	29.03
Coefficient of Variation	0.515

Mann-Kendall Test

M-K Test Value (S)	-54
Critical Value (0.15)	-1.036
Standard Deviation of S	37.76
Standardized Value of S	-1.404
Approximate p-value	0.0802

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

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.14/5/2024 10:21:22 AM	
From File	Q4_IW61_rawdata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

cis-1,2-DCE

General Statistics

Number of Events Reported (m)	23
Number of Missing Events	0
Number or Reported Events Used	23
Number Values Reported (n)	23
Minimum	24
Maximum	140
Mean	56.35
Geometric Mean	50.37
Median	57
Standard Deviation	29.03
Coefficient of Variation	0.515

Mann-Kendall Test

M-K Test Value (S)	-54
Critical Value (0.15)	-1.036
Standard Deviation of S	37.76
Standardized Value of S	-1.404
Approximate p-value	0.0802

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

	A	B	C	D
1	Time Since	VC	cis-1,2-DCE	
2	0	0.86	120	
3	92	1.7	140	
4	219	1.6	24	
5	318	0.96	34	
6	415	0.96	32	
7	542	1.3	41	
8	655	1.2	45	
9	739	1.2	65	
10	823	1.1	71	
11	836	1.3	82	
12	935	1.7	67	
13	1019	1.8	63	
14	1103	2	58	
15	1285	2.9	71	
16	1460	4	65	
17	1663	4.5	63	
18	1831	4.1	30	
19	2026	1.8	25	
20	2201	3.8	41	
21	2375	3.2	25	
22	2565	2.7	57	
23	2754	2.7	36	
24	2921	3.8	41	

	A	B
1	Time Since	TCE
2	0	13
3	90	6.9
4	215	9.2
5	305	9.6
6	432	8.9
7	530	5.5
8	627	9.4
9	754	9.3
10	867	5.7
11	951	8
12	1036	8.6
13	1148	9.4
14	1231	9.4
15	1316	10
16	1498	11
17	1672	11
18	1876	10
19	2044	9.2
20	2239	11
21	2413	7.8
22	2587	9.2
23	2777	8.2
24	2967	9.3
25	3136	9.4

Mann-Kendall Trend Test Analysis

User Selected Options	MW04_Q42023_TCE
Date/Time of Computation	ProUCL 5.112/25/2023 12:28:42 PM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

TCE

General Statistics

Number of Events Reported (m)	27
Number of Missing Events	0
Number or Reported Events Used	27
Number Values Reported (n)	27
Minimum	5.5
Maximum	22
Mean	10.04
Geometric Mean	9.635
Median	9.4
Standard Deviation	3.247
Coefficient of Variation	0.323

Mann-Kendall Test

M-K Test Value (S)	-40
Critical Value (0.15)	-1.036
Standard Deviation of S	47.77
Standardized Value of S	-0.816
Approximate p-value	0.207

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

Mann-Kendall Trend Test Analysis		
User Selected Options	MW07_Q42023_TCE	
Date/Time of Computation	ProUCL 5.112/25/2023 6:33:15 PM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

TCE

General Statistics

Number of Events Reported (m)	22
Number of Missing Events	0
Number or Reported Events Used	22
Number Values Reported (n)	22
Minimum	4.8
Maximum	18
Mean	9.673
Geometric Mean	8.822
Median	7.7
Standard Deviation	4.329
Coefficient of Variation	0.448

Mann-Kendall Test

M-K Test Value (S)	-129
Tabulated p-value	0
Standard Deviation of S	35.37
Standardized Value of S	-3.619
Approximate p-value	1.4791E-4

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

	A	B
1	Time Since	TCE
2	0	15
3	89	12
4	215	14
5	305	13
6	432	18
7	530	13
8	627	8.1
9	754	8.6
10	1035	11
11	1148	7.3
12	1231	6
13	1316	6.7
14	1498	5.9
15	1672	5.9
16	1880	5.8
17	2043	18
18	2238	15
19	2413	7.2
20	2587	6.5
21	2777	5.9
22	2967	5.1
23	3136	4.8

	Mann-Kendall Trend Test Analysis	
User Selected Options		
Date/Time of Computation	ProUCL 5.11/22/2024 11:19:09 AM	
From File	PROUCL_MW13_rawadata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

PCE

General Statistics	
Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	4.1
Maximum	10
Mean	6.458
Geometric Mean	6.237
Median	6.45
Standard Deviation	1.767
Coefficient of Variation	0.274

Mann-Kendall Test	
M-K Test Value (S)	-49
Critical Value (0.15)	-1.036
Standard Deviation of S	40.25
Standardized Value of S	-1.193
Approximate p-value	0.116

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

	A	B
1	Time Since	PCE
2	0	4.6
3	86	5.4
4	218	5.6
5	301	6.6
6	428	6.5
7	527	10
8	624	6.4
9	751	10
10	864	8.4
11	948	5.2
12	1032	8
13	1145	4.4
14	1228	6.5
15	1313	7.8
16	1495	7
17	1669	7.7
18	1873	9.1
19	2040	7.2
20	2235	4.1
21	2411	5.2
22	2585	5
23	2774	4.8
24	2964	4.3
25	3131	5.2

Mann-Kendall Trend Test Analysis		
User Selected Options	MW18 - Vinyl Chloride	
Date/Time of Computation	ProUCL 5.112/25/2023 8:53:48 AM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

Vinyl Chloride

General Statistics

Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	0.1
Maximum	2.4
Mean	0.721
Geometric Mean	0.435
Median	0.425
Standard Deviation	0.684
Coefficient of Variation	0.948

Mann-Kendall Test

M-K Test Value (S)	209
Critical Value (0.15)	1.036
Standard Deviation of S	39.96
Standardized Value of S	5.205
Approximate p-value	9.7060E-8

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

	A	B
1	Time Since	VC
2	42130	0.1
3	42219	0.1
4	42346	0.1
5	42437	0.1
6	42565	0.1
7	42663	0.1
8	42761	0.25
9	42887	0.31
10	43001	0.38
11	43085	0.24
12	43169	0.4
13	43281	0.43
14	43365	0.42
15	43449	0.49
16	43631	0.44
17	43806	0.55
18	44009	1.5
19	44177	2.4
20	44372	1.7
21	44547	1.8
22	44721	1.6
23	44910	1.1
24	45099	1.4
25	45267	1.3

Mann-Kendall Trend Test Analysis	
User Selected Options	MW19 Vinyl Chloride
Date/Time of Computation	ProUCL 5.112/25/2023 9:39:17 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

Vinyl Chloride

General Statistics

Number of Events Reported (m)	23
Number of Missing Events	0
Number or Reported Events Used	23
Number Values Reported (n)	23
Minimum	0.1
Maximum	2.8
Mean	0.899
Geometric Mean	0.564
Median	0.79
Standard Deviation	0.78
Coefficient of Variation	0.867

Mann-Kendall Test

M-K Test Value (S)	164
Critical Value (0.15)	1.036
Standard Deviation of S	37.6
Standardized Value of S	4.335
Approximate p-value	7.2967E-6

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

	A	B	C
1	Time Since	Vinyl Chloride	
2	42130	0.1	
3	42219	0.1	
4	42346	0.1	
5	42437	0.1	
6	42565	0.1	
7	42663	0.1	
8	42761	0.25	
9	42887	0.31	
10	43001	0.38	
11	43085	0.24	
12	43169	0.4	
13	43281	0.43	
14	43365	0.42	
15	43449	0.49	
16	43631	0.44	
17	43806	0.55	
18	44009	1.5	
19	44177	2.4	
20	44372	1.7	
21	44547	1.8	
22	44721	1.6	
23	44910	1.1	
24	45099	1.4	
25	45267	1.3	

	A	B	C
1	Time Since	Vinyl Chloride	
2	0	0.1	
3	90	0.1	
4	216	0.1	
5	308	0.1	
6	434	0.1	
7	533	0.1	
8	631	0.1	
9	757	0.1	
10	871	0.1	
11	955	0.49	
12	1039	0.43	
13	1151	0.29	
14	1235	0.3	
15	1319	0.96	
16	1501	1.1	
17	1676	1.3	
18	1879	0.49	
19	2047	1.8	
20	2242	0.86	
21	2417	1.3	
22	2591	1.9	
23	2780	1.4	
24	2970	2	
25	3137	2.6	

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.112/25/2023 9:58:48 AM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

Vinyl Chloride

General Statistics

Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	0.1
Maximum	2.6
Mean	0.755
Geometric Mean	0.403
Median	0.46
Standard Deviation	0.754
Coefficient of Variation	0.998

Mann-Kendall Test

M-K Test Value (S)	208
Critical Value (0.15)	1.036
Standard Deviation of S	39.13
Standardized Value of S	5.29
Approximate p-value	6.1240E-8

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

Mann-Kendall Trend Test Analysis		
User Selected Options	MW22_Q42023_cis12DCE	
Date/Time of Computation	ProUCL 5.112/25/2023 10:06:57 AM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

cis12DCE

General Statistics

Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	5.5
Maximum	58
Mean	33.61
Geometric Mean	28.12
Median	35.5
Standard Deviation	16.41
Coefficient of Variation	0.488

Mann-Kendall Test

M-K Test Value (S)	134
Critical Value (0.15)	1.036
Standard Deviation of S	40.18
Standardized Value of S	3.31
Approximate p-value	4.6671E-4

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

Mann-Kendall Trend Test Analysis

User Selected Options	MW22_VC Q42023
Date/Time of Computation	ProUCL 5.112/25/2023 10:04:45 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

Time Since

General Statistics

Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	0
Maximum	3137
Mean	1366
Geometric Mean	0
Median	1193
Standard Deviation	953.8
Coefficient of Variation	0.698

Mann-Kendall Test

M-K Test Value (S)	108
Critical Value (0.15)	1.036
Standard Deviation of S	40.32
Standardized Value of S	2.654
Approximate p-value	0.00398

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

	A	B	C
1	Time Since	cis-1,2-DCE	VC
2	0	27	0.1
3	90	34	0.1
4	216	42	0.1
5	307	52	0.35
6	434	5.5	0.1
7	533	6.7	0.65
8	631	8.5	0.51
9	757	10	1.5
10	871	18	1.4
11	955	22	1.2
12	1039	22	1.3
13	1151	28	1.2
14	1235	33	0.9
15	1319	37	1.2
16	1501	49	1
17	1676	48	1
18	1879	42	0.99
19	2047	44	1.1
20	2242	43	0.82
21	2417	52	1.2
22	2591	52	1.3
23	2781	58	1.1
24	2970	21	0.51
25	3137	52	1.6

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.14/5/2024 9:51:30 AM	
From File	Q4_MW24_rawdata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

cis-1,2-DCE

General Statistics

Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	0.5
Maximum	84
Mean	42.83
Geometric Mean	29.76
Median	42
Standard Deviation	24.45
Coefficient of Variation	0.571

Stable per Ecoloyg Guidance CV <=1

Mann-Kendall Test

M-K Test Value (S)	11
Critical Value (0.15)	1.036
Standard Deviation of S	40.28
Standardized Value of S	0.248
Approximate p-value	0.402

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

Mann-Kendall Trend Test Analysis

User Selected Options	MW24 O42023
Date/Time of Computation	ProUCL 5.112/25/2023 10:14:39 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

Vinyl Chloride

General Statistics

Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	0.1
Maximum	6.1
Mean	0.925
Geometric Mean	0.544
Median	0.64
Standard Deviation	1.233
Coefficient of Variation	1.333

Mann-Kendall Test

M-K Test Value (S)	167
Critical Value (0.15)	1.036
Standard Deviation of S	40.17
Standardized Value of S	4.132
Approximate p-value	1.7951E-5

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

	A	B	C
1	Time Since	cis-1,2-DCE	VC
2	0	72	0.26
3	90	75	0.1
4	216	54	0.1
5	308	45	0.1
6	436	12	0.1
7	533	12	0.26
8	630	20	0.81
9	757	35	1
10	872	33	0.36
11	955	30	0.38
12	1039	25	0.36
13	1151	41	2.1
14	1235	35	0.37
15	1319	43	0.51
16	1501	84	1
17	1676	83	0.94
18	1879	61	0.76
19	2047	45	0.61
20	2242	37	0.67
21	2417	46	0.71
22	2591	74	1.1
23	2781	64	6.1
24	2970	0.5	1.5
25	3137	1.5	2

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.112/27/2023 5:32:04 AM	
From File	PROUCL_MW25_rawadata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

TCE

General Statistics

Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	0.5
Maximum	75
Mean	12.44
Geometric Mean	2.079
Median	0.86
Standard Deviation	24.85
Coefficient of Variation	1.998

Mann-Kendall Test

M-K Test Value (S)	-71
Critical Value (0.15)	-1.036
Standard Deviation of S	38.21
Standardized Value of S	-1.832
Approximate p-value	0.0335

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

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.112/25/2023 10:19:59 AM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

Vinyl Chloride

General Statistics

Number of Events Reported (m)	24
Number of Missing Events	0
Number or Reported Events Used	24
Number Values Reported (n)	24
Minimum	0.1
Maximum	4.1
Mean	0.925
Geometric Mean	0.561
Median	0.57
Standard Deviation	1.043
Coefficient of Variation	1.128

Mann-Kendall Test

M-K Test Value (S)	164
Critical Value (0.15)	1.036
Standard Deviation of S	40.21
Standardized Value of S	4.054
Approximate p-value	2.5181E-5

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

	A	B	C
1	Time Since	Vinyl Chlorid	TCE
2	0	0.1	68
3	90	0.1	75
4	216	0.1	71
5	306	0.1	50
6	433	0.7	4.8
7	531	0.96	5.1
8	629	0.89	3.6
9	756	0.31	1.2
10	870	0.4	0.5
11	954	0.41	0.5
12	1038	0.32	0.5
13	1150	0.52	0.5
14	1234	0.46	0.5
15	1318	0.6	0.5
16	1500	0.54	0.5
17	1675	0.63	0.5
18	1878	0.73	0.5
19	2046	0.43	0.5
20	2241	0.79	0.5
21	2416	3.6	0.52
22	2590	4.1	1.3
23	2780	2.2	3.8
24	2969	1.3	3.2
25	3136	1.9	5.5

Mann-Kendall Trend Test Analysis		
User Selected Options	MW26 Q4 2023	
Date/Time of Computation	ProUCL 5.112/26/2023 8:00:42 AM	
From File	Q4_MW26_rawdata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

TCE

General Statistics

Number of Events Reported (m)	21
Number of Missing Events	0
Number or Reported Events Used	21
Number Values Reported (n)	21
Minimum	3.5
Maximum	20
Mean	11.13
Geometric Mean	9.983
Median	11
Standard Deviation	5.014
Coefficient of Variation	0.45

Mann-Kendall Test

M-K Test Value (S)	-36
Tabulated p-value	0.147
Standard Deviation of S	32.98
Standardized Value of S	-1.061
Approximate p-value	0.144

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

	A	B	C
1	Time Since	PCE	TCE
2	0		10
3	127		12
4	225		12
5	323		13
6	450		7.9
7	563		7.1
8	647		15
9	732		6
10	843		18
11	927		18
12	1012		20
13	1194		20
14	1368		13
15	1572		13
16	1740		4
17	1935		6.6
18	2109		7.9
19	2284		3.5
20	2473		10
21	2663		11
22	2830		5.8

	A	B
1	Time Since	TCE
2	0	15
3	89	12
4	215	14
5	305	13
6	432	18
7	530	13
8	0	21
9	128	18
10	226	23
11	323	33
12	450	18
13	563	16
14	647	81
15	662	60
16	731	13
17	843	37
18	927	21
19	1012	17
20	1194	14
21	1368	15
22	1572	30
23	1739	69
24	1934	80
25	2109	28
26	2284	16
27	2474	16
28	2662	15
29	2830	4.5

Mann-Kendall Trend Test Analysis		
User Selected Options	MW27 Q42023	
Date/Time of Computation	ProUCL 5.112/25/2023 9:18:55 PM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

TCE

General Statistics

Number of Events Reported (m)	28
Number of Missing Events	0
Number or Reported Events Used	28
Number Values Reported (n)	28
Minimum	4.5
Maximum	81
Mean	26.09
Geometric Mean	20.87
Median	17.5
Standard Deviation	20.71
Coefficient of Variation	0.794

Stable per Ecology Guidance CV <=1

Mann-Kendall Test

M-K Test Value (S)	18
Critical Value (0.15)	1.036
Standard Deviation of S	50.45
Standardized Value of S	0.337
Approximate p-value	0.368

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

Mann-Kendall Trend Test Analysis

User Selected Options	MW28 Q4 2023
Date/Time of Computation	ProUCL 5.112/26/2023 7:55:12 AM
From File	Q4_MW24_rawdata.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

cis12DCE

General Statistics

Number of Events Reported (m)	15
Number of Missing Events	0
Number or Reported Events Used	15
Number Values Reported (n)	15
Minimum	5.6
Maximum	80
Mean	29.91
Geometric Mean	22.57
Median	18
Standard Deviation	24.61
Coefficient of Variation	0.823

Mann-Kendall Test

M-K Test Value (S)	-68
Tabulated p-value	0
Standard Deviation of S	20.12
Standardized Value of S	-3.331
Approximate p-value	4.3325E-4

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

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.112/26/2023 7:52:40 AM	
From File	Q4_MW24_rawdata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

PCE

General Statistics

Number of Events Reported (m)	15
Number of Missing Events	0
Number or Reported Events Used	15
Number Values Reported (n)	15
Minimum	0.5
Maximum	9.2
Mean	6.36
Geometric Mean	5.137
Median	7.6
Standard Deviation	2.984
Coefficient of Variation	0.469

Mann-Kendall Test

M-K Test Value (S)	-69
Tabulated p-value	0
Standard Deviation of S	20.21
Standardized Value of S	-3.365
Approximate p-value	3.8254E-4

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

Mann-Kendall Trend Test Analysis

User Selected Options	MW28 Q42023
Date/Time of Computation	ProUCL 5.112/26/2023 7:53:43 AM
From File	Q4_MW24_rawdata.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

TCE

General Statistics

Number of Events Reported (m)	15
Number of Missing Events	0
Number or Reported Events Used	15
Number Values Reported (n)	15
Minimum	0.25
Maximum	6.1
Mean	3.557
Geometric Mean	2.819
Median	3.9
Standard Deviation	1.819
Coefficient of Variation	0.511

Mann-Kendall Test

M-K Test Value (S)	-85
Tabulated p-value	0
Standard Deviation of S	20.16
Standardized Value of S	-4.167
Approximate p-value	1.5422E-5

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

Mann-Kendall Trend Test Analysis

User Selected Options	MW28 Q42023
Date/Time of Computation	ProUCL 5.112/26/2023 7:56:38 AM
From File	Q4_MW24_rawdata.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

VC

General Statistics

Number of Events Reported (m)	15
Number of Missing Events	0
Number or Reported Events Used	15
Number Values Reported (n)	15
Minimum	0.067
Maximum	0.47
Mean	0.163
Geometric Mean	0.133
Median	0.1
Standard Deviation	0.124
Coefficient of Variation	0.757

Mann-Kendall Test

M-K Test Value (S)	-61
Tabulated p-value	0.001
Standard Deviation of S	17.79
Standardized Value of S	-3.373
Approximate p-value	3.7112E-4

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

	A	B	C	D	E
1	Time Since	PCE	TCE	cis12DCE	VC
2	0	7.7	4.7	67	0.47
3	90	9	5.7	80	0.35
4	208	8.7	6.1	72	0.31
5	264	8.4	4.9	52	0.27
6	469	9.1	5.1	22	0.1
7	637	8.3	4.9	19	0.1
8	798	9.2	4.3	17	0.1
9	831	7	3.5	14	0.1
10	886	7.6	3.9	18	0.1
11	921	7.5	3.4	15	0.1
12	1007	5.2	2.8	17	0.1
13	1182	2.7	1.4	23	0.082
14	1371	2.9	1.2	17	0.067
15	1559	0.5	0.25	5.6	0.1
16	1725	1.6	1.2	10	0.1

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.14/1/2024 7:52:37 AM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

cis-1,2-DCE

General Statistics

Number of Events Reported (m)	9
Number of Missing Events	0
Number or Reported Events Used	9
Number Values Reported (n)	9
Minimum	2.3
Maximum	52
Mean	20.81
Geometric Mean	15.93
Median	16
Standard Deviation	14.61
Coefficient of Variation	0.702

Mann-Kendall Test

M-K Test Value (S)	-21
Tabulated p-value	0.022
Standard Deviation of S	9.539
Standardized Value of S	-2.097
Approximate p-value	0.018

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

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.14/1/2024 7:48:27 AM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

PCE

General Statistics

Number of Events Reported (m)	9
Number of Missing Events	0
Number or Reported Events Used	9
Number Values Reported (n)	9
Minimum	8.5
Maximum	20
Mean	15.12
Geometric Mean	14.52
Median	16
Standard Deviation	4.139
Coefficient of Variation	0.274

Mann-Kendall Test

M-K Test Value (S)	3
Tabulated p-value	0.46
Standard Deviation of S	9.399
Standardized Value of S	0.213
Approximate p-value	0.416

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

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.14/1/2024 7:50:37 AM	
From File	WorkSheet.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

TCE

General Statistics

Number of Events Reported (m)	9
Number of Missing Events	0
Number or Reported Events Used	9
Number Values Reported (n)	9
Minimum	2.2
Maximum	15
Mean	10.96
Geometric Mean	9.9
Median	12
Standard Deviation	3.64
Coefficient of Variation	0.332

Stable per Ecology Guidance

Mann-Kendall Test

M-K Test Value (S)	-3
Tabulated p-value	0.46
Standard Deviation of S	9.434
Standardized Value of S	-0.212
Approximate p-value	0.416

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

Mann-Kendall Trend Test Analysis

User Selected Options	
Date/Time of Computation	ProUCL 5.14/1/2024 7:53:52 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	0.85
Level of Significance	0.15

VC

General Statistics

Number of Events Reported (m)	9
Number of Missing Events	0
Number or Reported Events Used	9
Number Values Reported (n)	9
Minimum	0.1
Maximum	0.64
Mean	0.208
Geometric Mean	0.159
Median	0.1
Standard Deviation	0.19
Coefficient of Variation	0.913

Mann-Kendall Test

M-K Test Value (S)	-20
Tabulated p-value	0.022
Standard Deviation of S	8.679
Standardized Value of S	-2.189
Approximate p-value	0.0143

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

	A	B	C	D	E
1	Time Since	PCE	TCE	cis-1,2-DCE	
2	0	8.6	9.4	52	0.64
3	57	16	12	26	0.4
4	262	18	13	16	0.2
5	429	18	13	18	0.1
6	623	14	11	16	0.1
7	799	15	12	14	0.1
8	973	20	15	10	0.13
9	1416	18	11	33	0.1
10	1550	8.5	2.2	2.3	0.1

	A	B	C
1	Time Since	cis-1,2-DCE	
2	0	5.3	
3	173	5.9	
4	363	5.2	
5	552	4.8	
6	720	6.4	

Mann-Kendall Trend Test Analysis		
User Selected Options		
Date/Time of Computation	ProUCL 5.112/26/2023 7:40:27 AM	
From File	Q4_MW24_rawdata.xls	
Full Precision	OFF	
Confidence Coefficient	0.85	
Level of Significance	0.15	

TCE

General Statistics

Number of Events Reported (m)	5
Number of Missing Events	0
Number or Reported Events Used	5
Number Values Reported (n)	5
Minimum	4.8
Maximum	6.4
Mean	5.52
Geometric Mean	5.492
Median	5.3
Standard Deviation	0.63
Coefficient of Variation	0.114

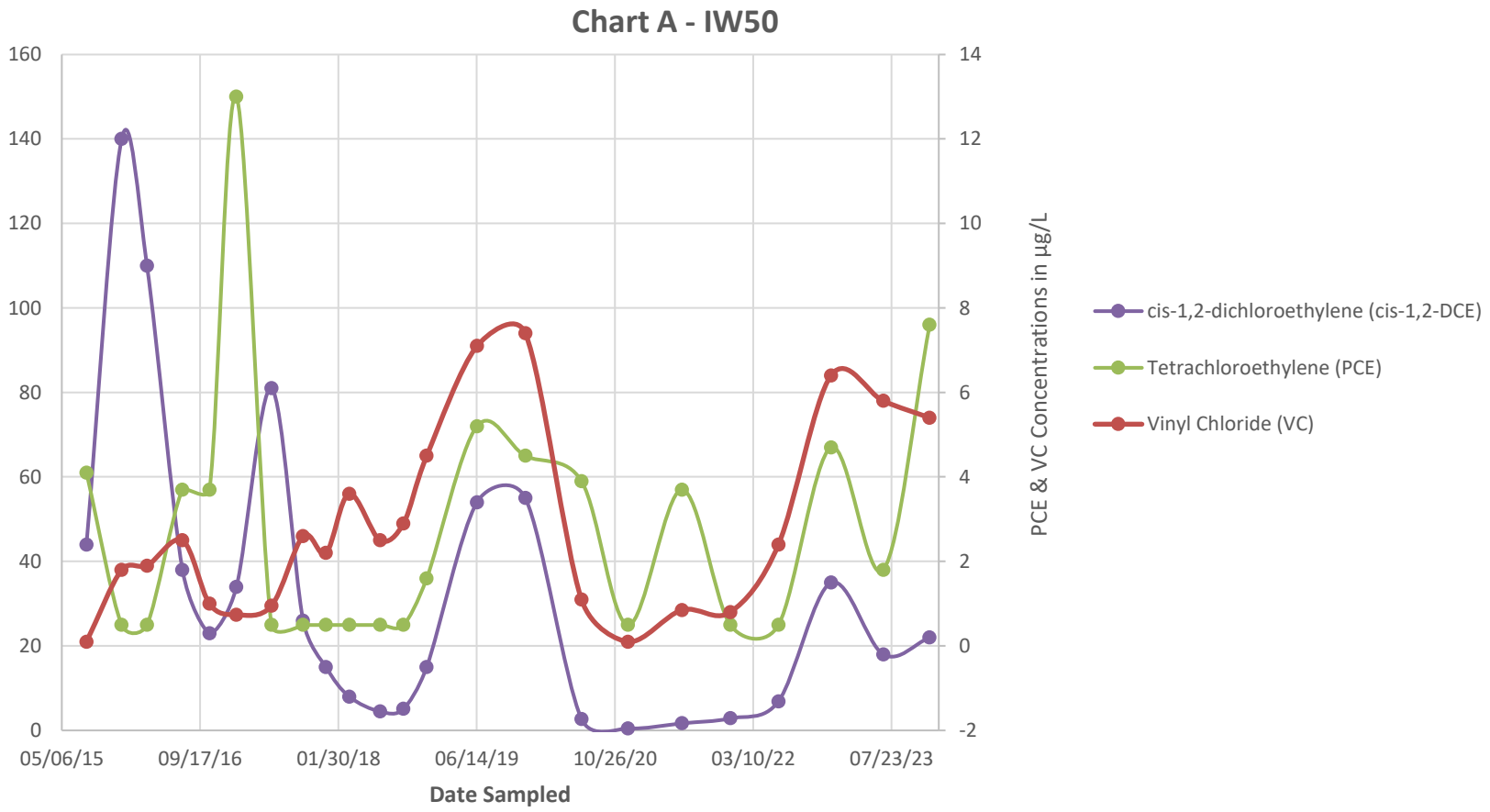
Mann-Kendall Test

M-K Test Value (S)	0
Tabulated p-value	0.592
Standard Deviation of S	4.082
Standardized Value of S	N/A
Approximate p-value	N/A

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

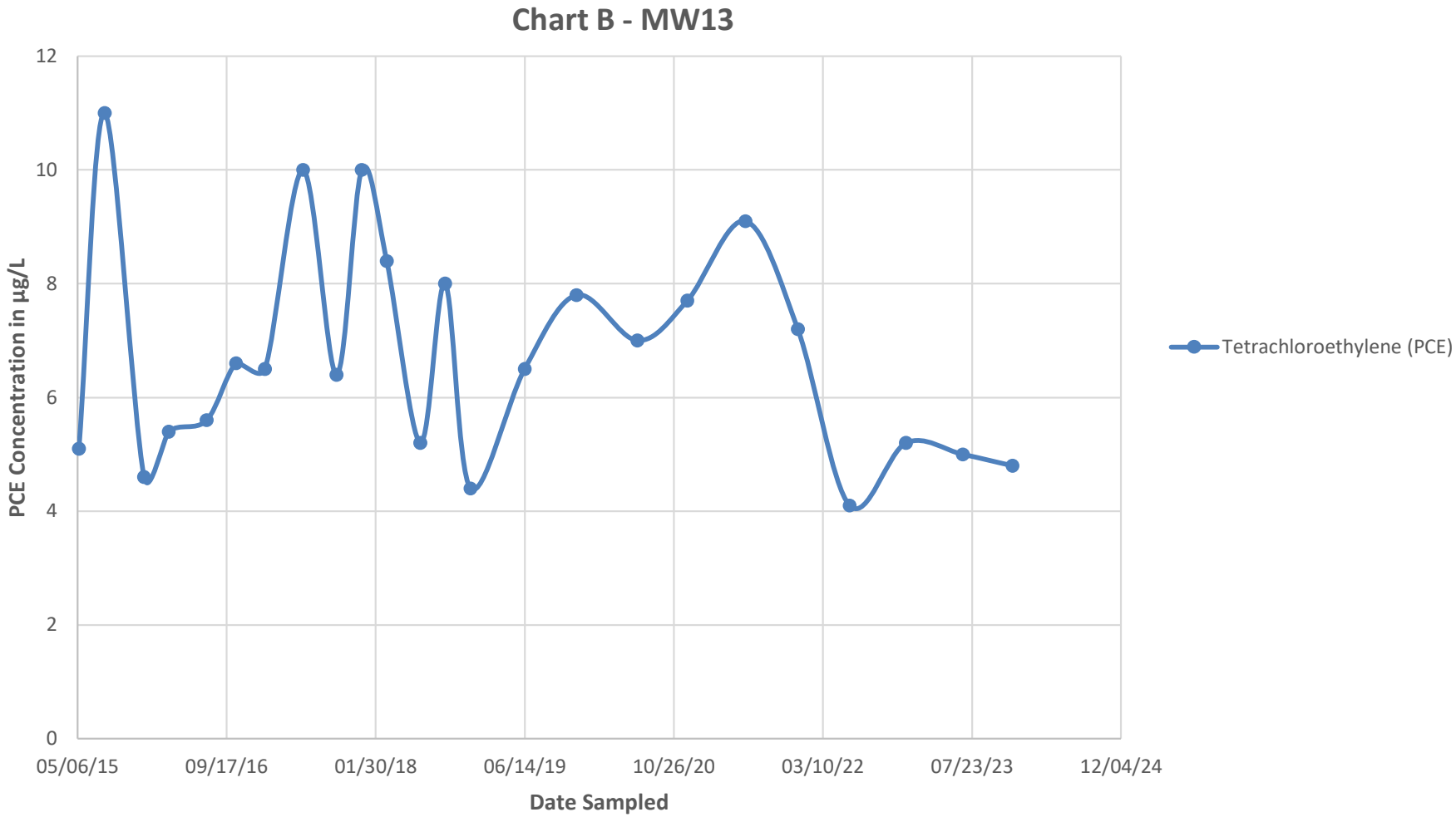
SoundEarth Strategies

CVOCs Trend Plot
Chart A - IW50A
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington

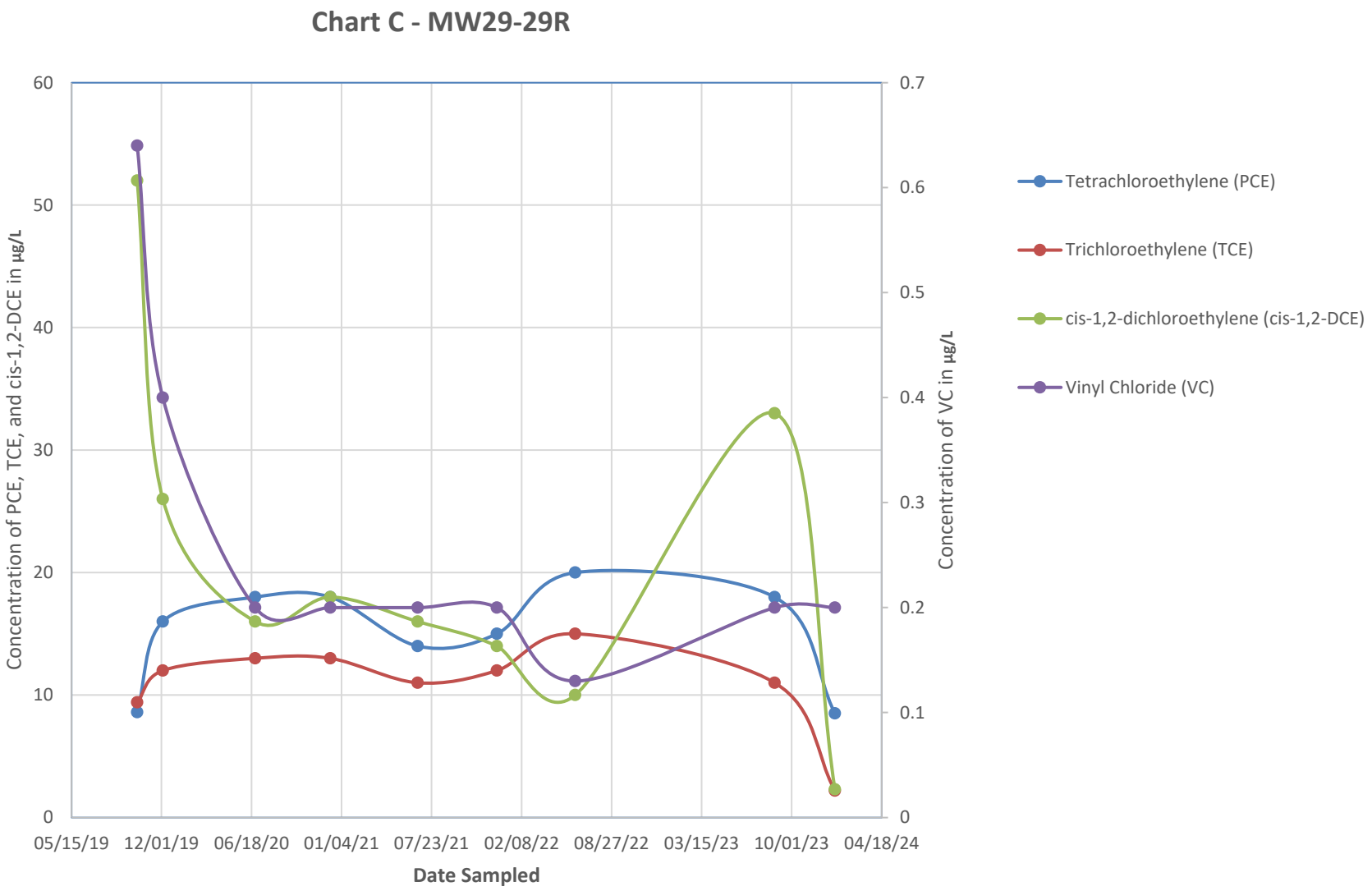


SoundEarth Strategies

CVOCs Trend Plot
Chart B - MW13
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington

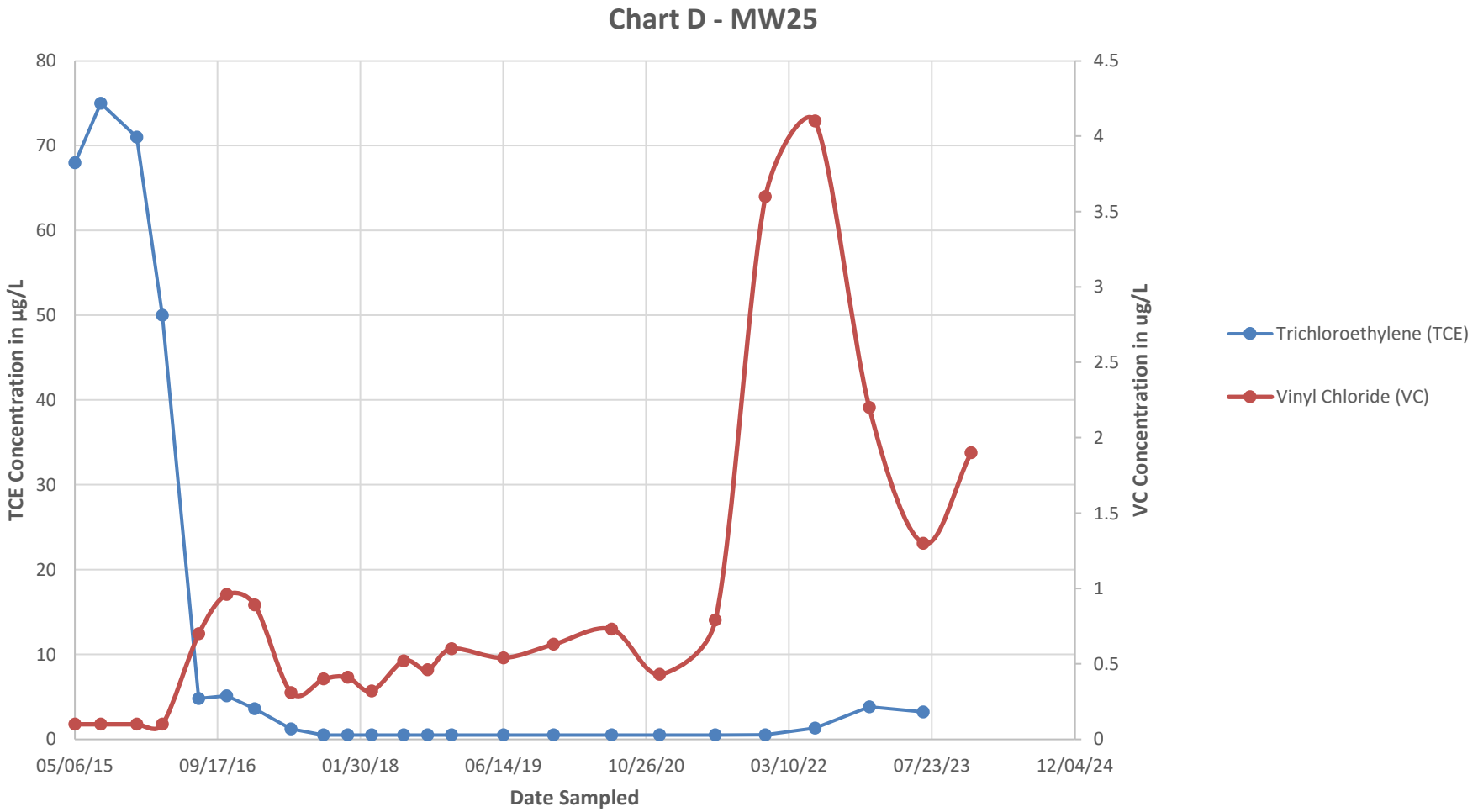


CVOCs Trend Plot
Chart C - MW29-29R
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



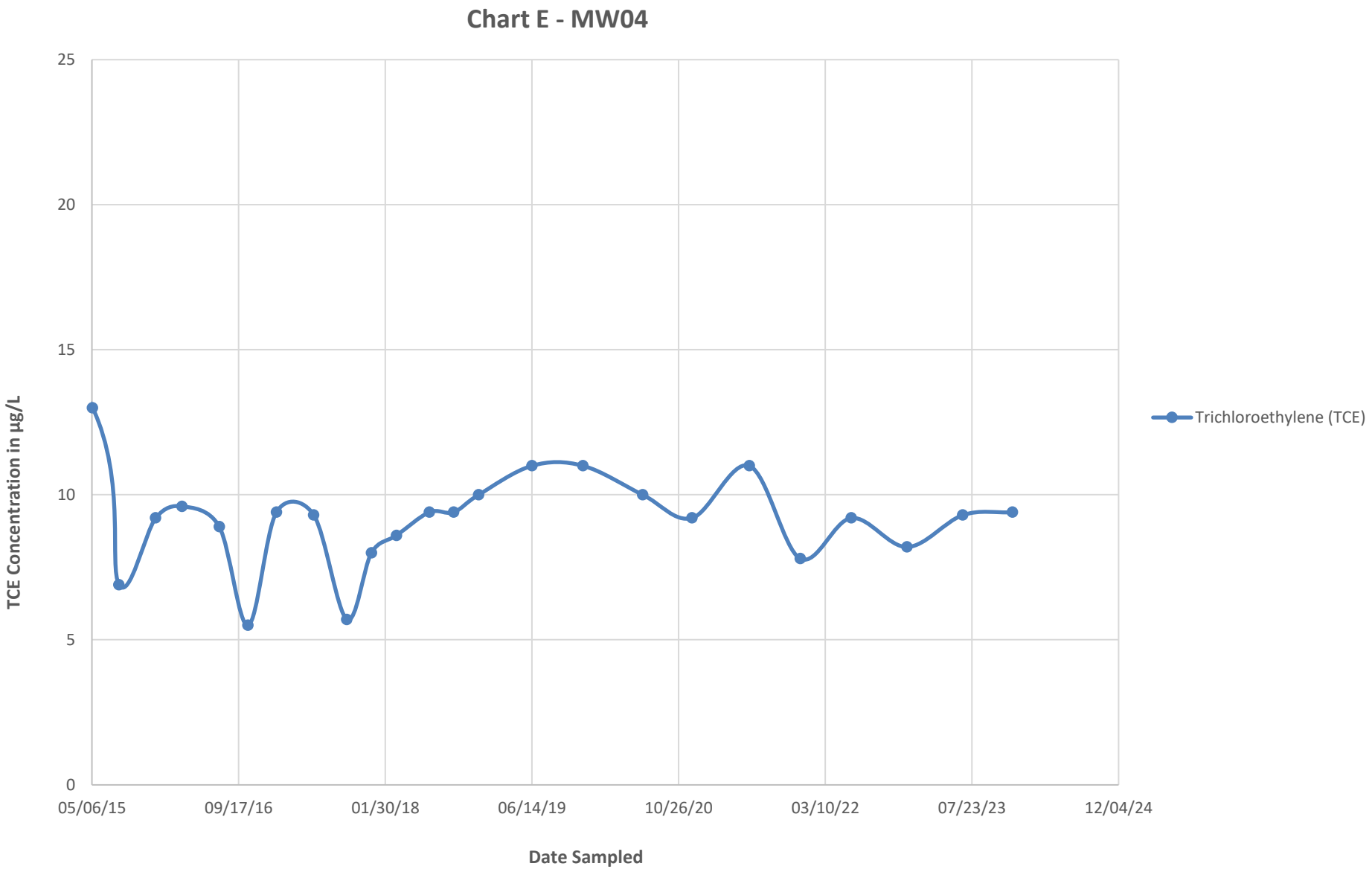
SoundEarth Strategies

CVOCs Trend Plot
Chart D - MW25
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



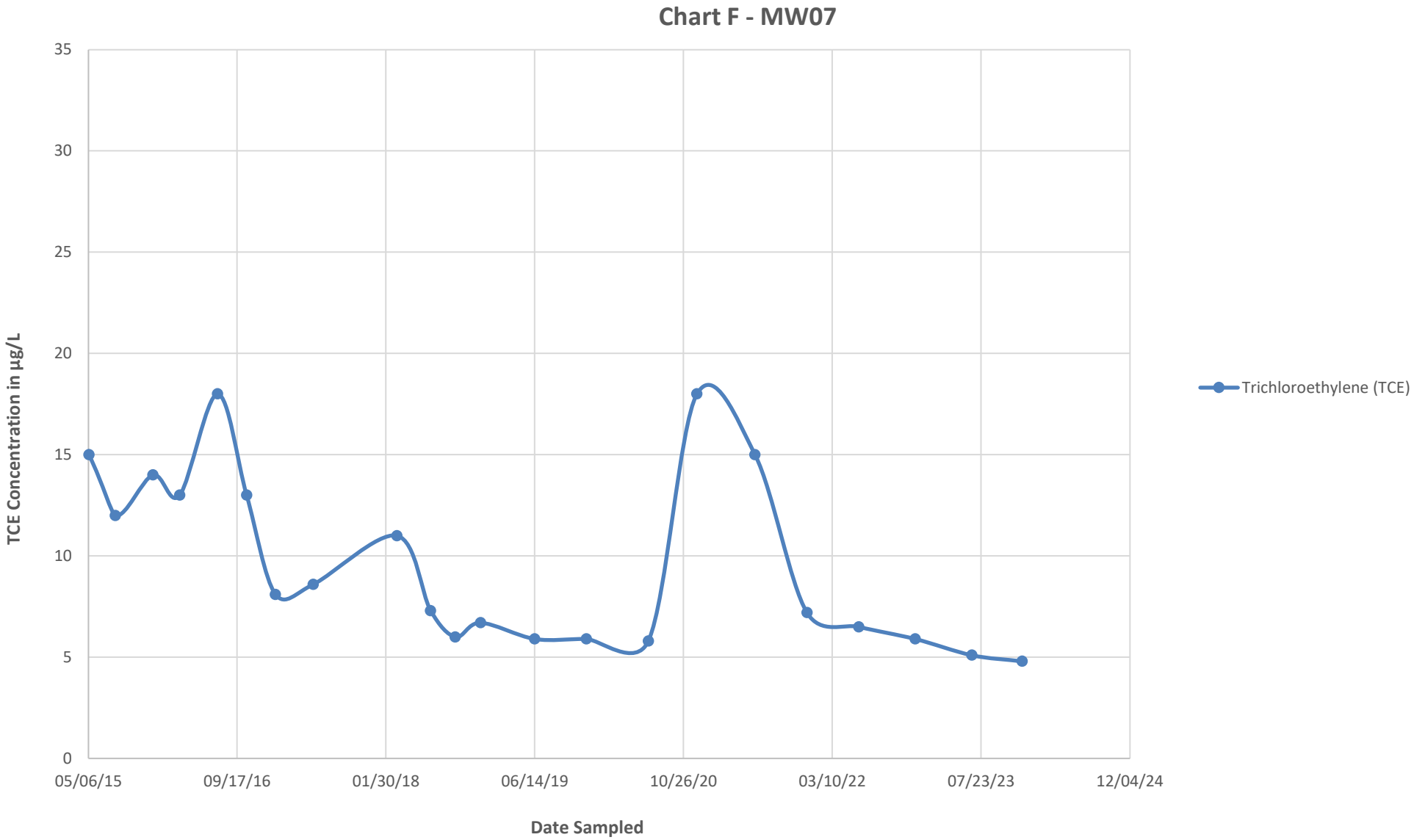
SoundEarth Strategies

CVOCs Trend Plot
Chart E - MW04
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



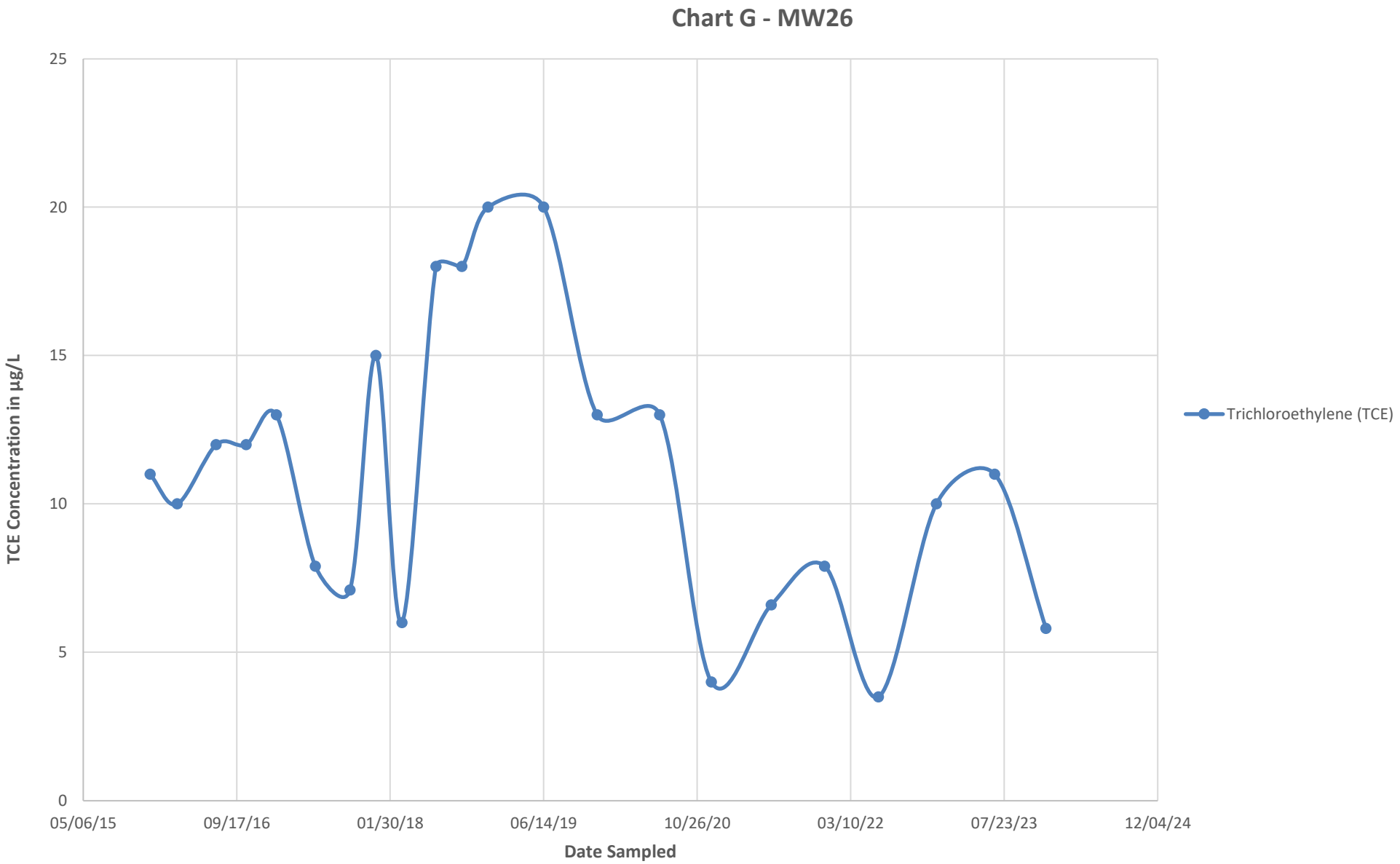
SoundEarth Strategies

CVOCs Trend Plot
Chart F - MW07
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



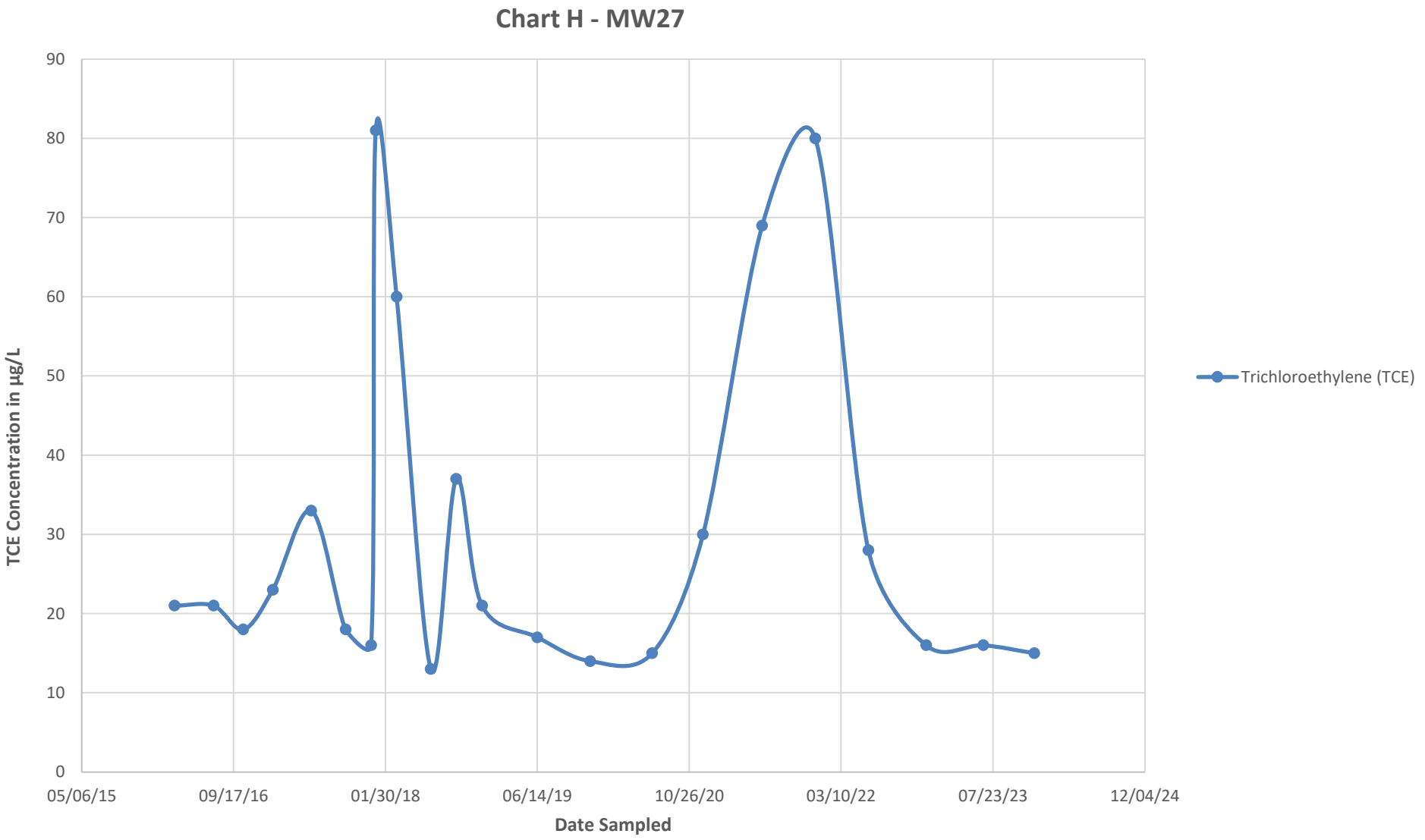
SoundEarth Strategies

CVOCs Trend Plot
Chart G - MW26
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington

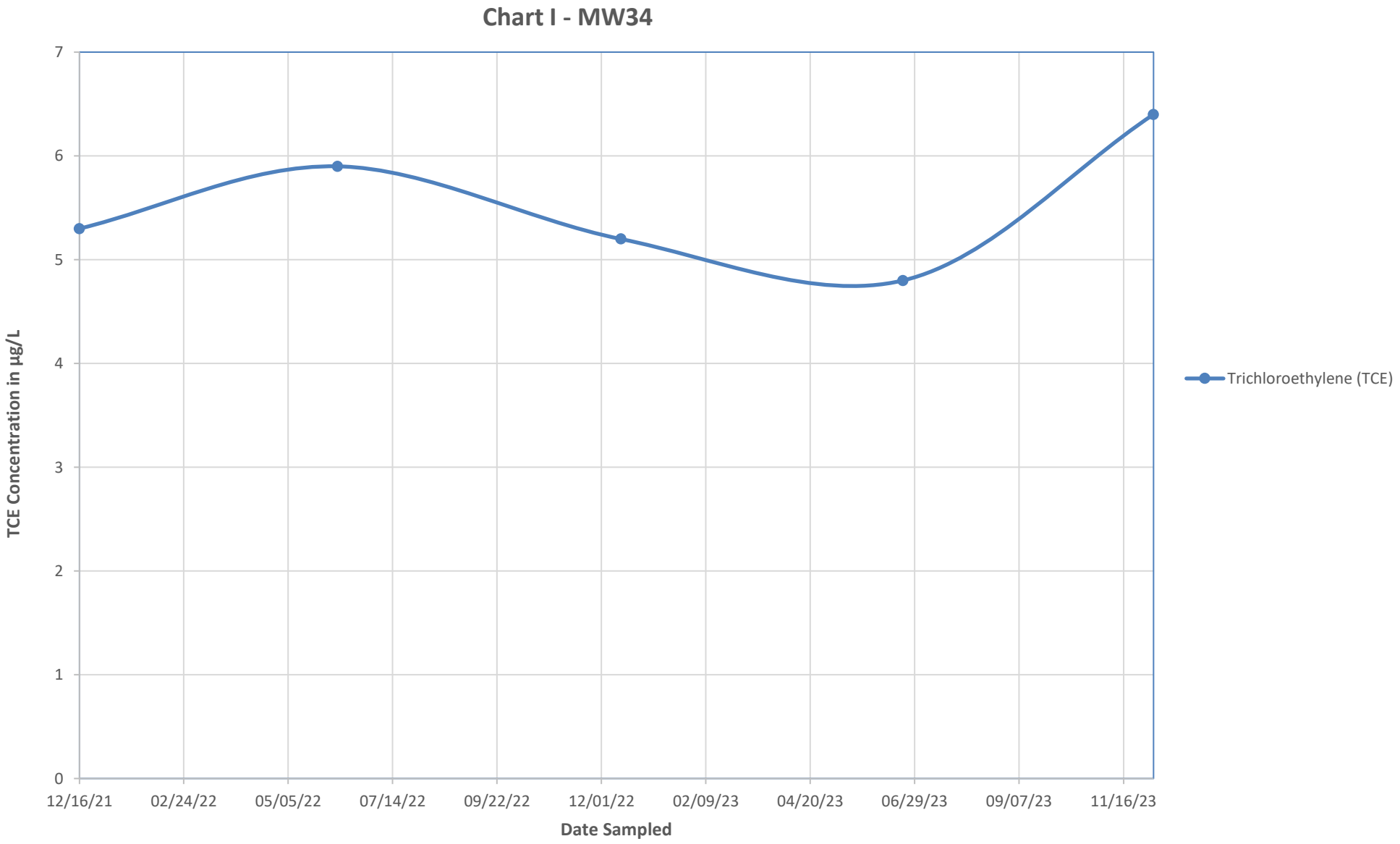


SoundEarth Strategies

CVOCs Trend Plot
Chart H - MW27
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington

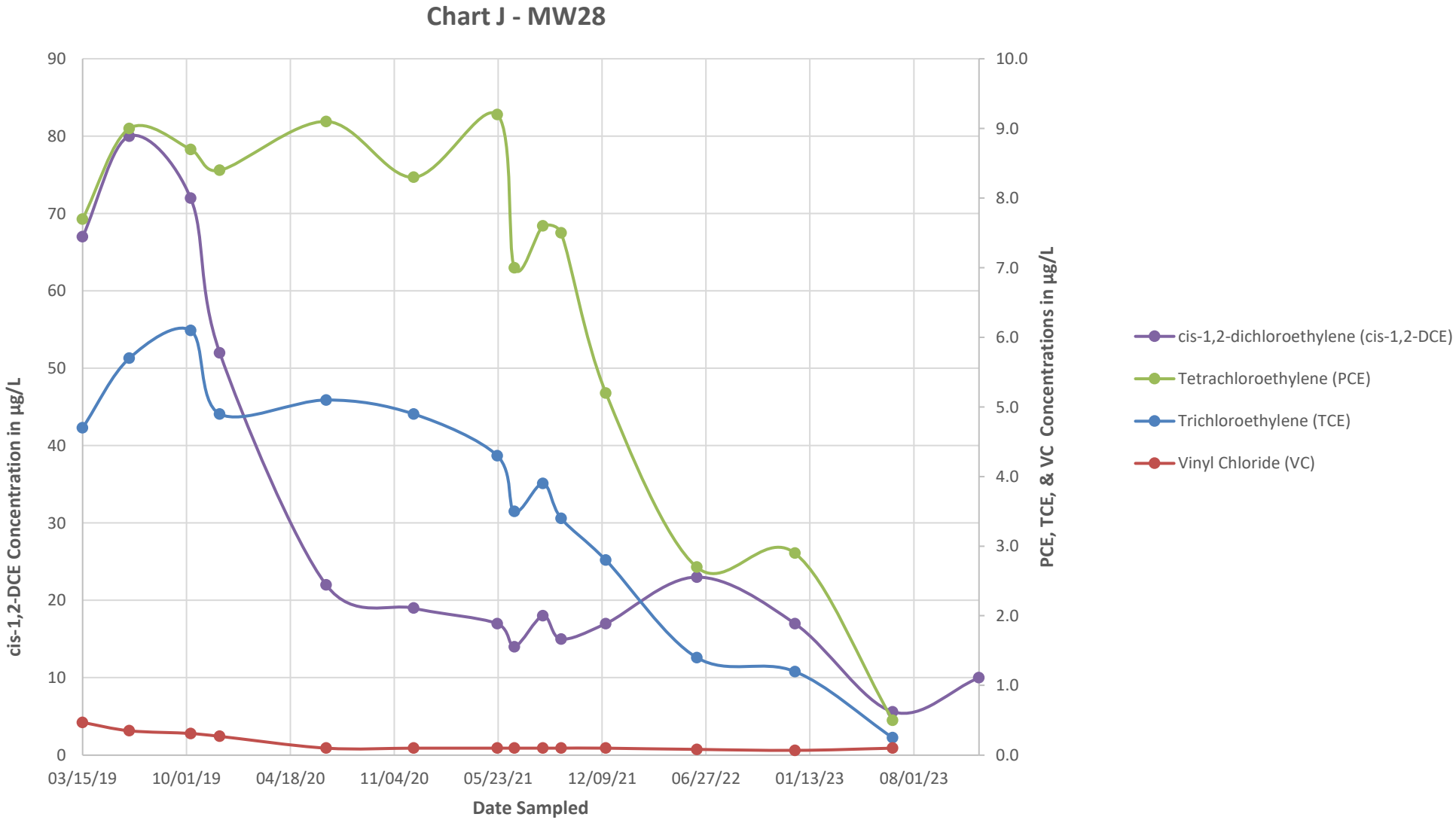


CVOCs Trend Plot
Chart I - MW34
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



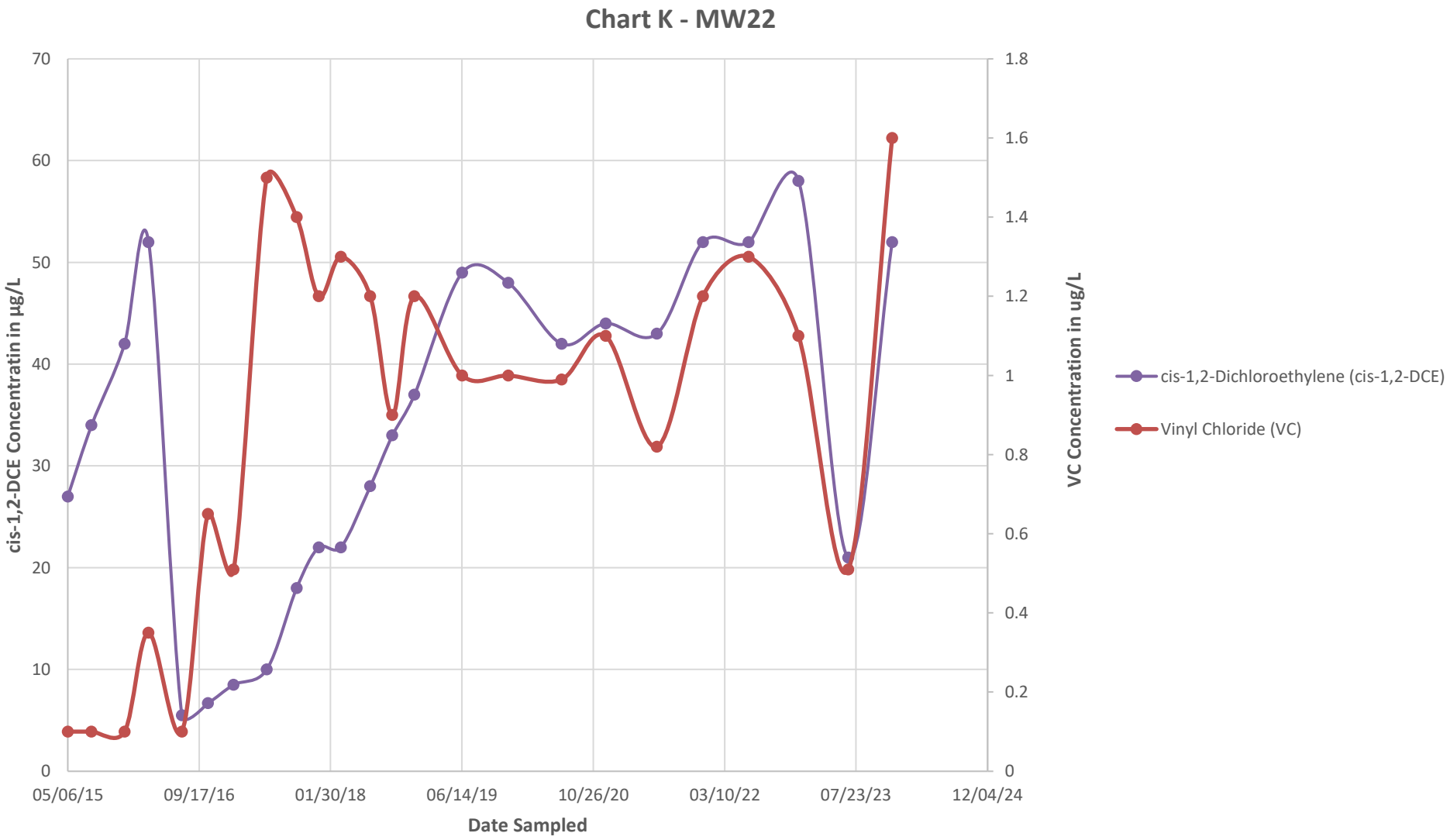
SoundEarth Strategies

CVOCs Trend Plot
Chart J - MW28
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



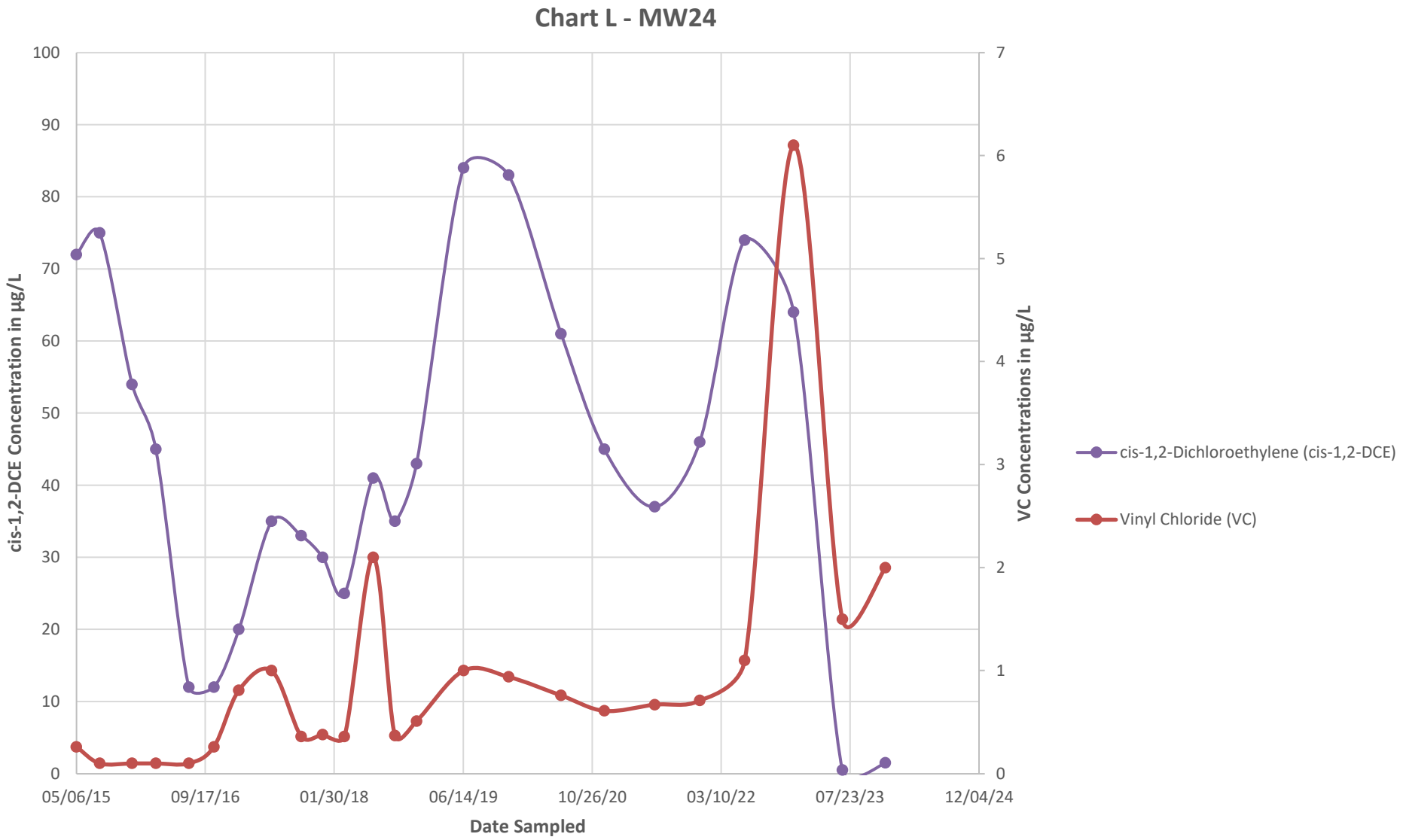
SoundEarth Strategies

CVOCs Trend Plot
Chart K - MW22
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



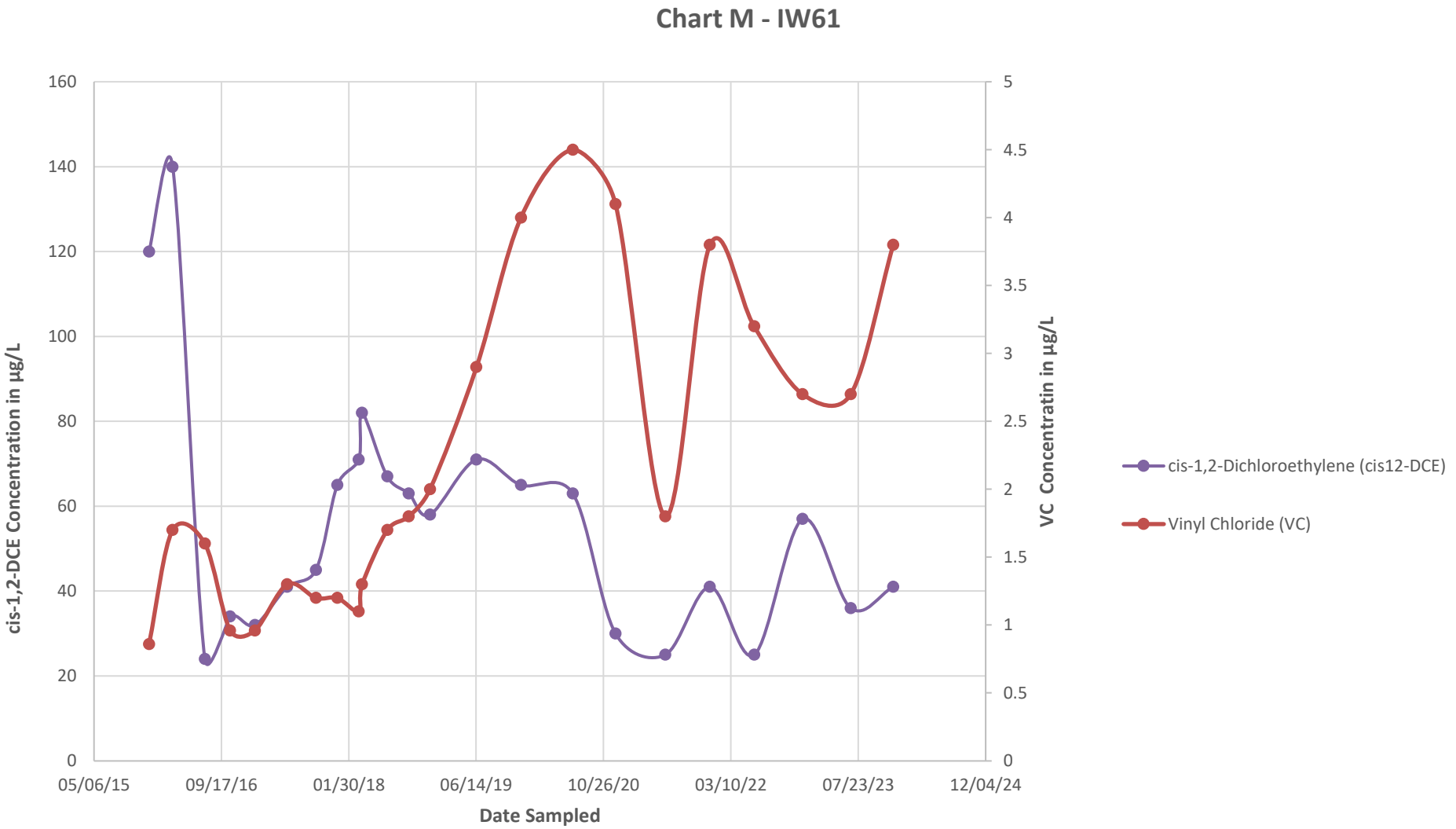
SoundEarth Strategies

CVOCs Trend Plot
Chart L - MW24
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



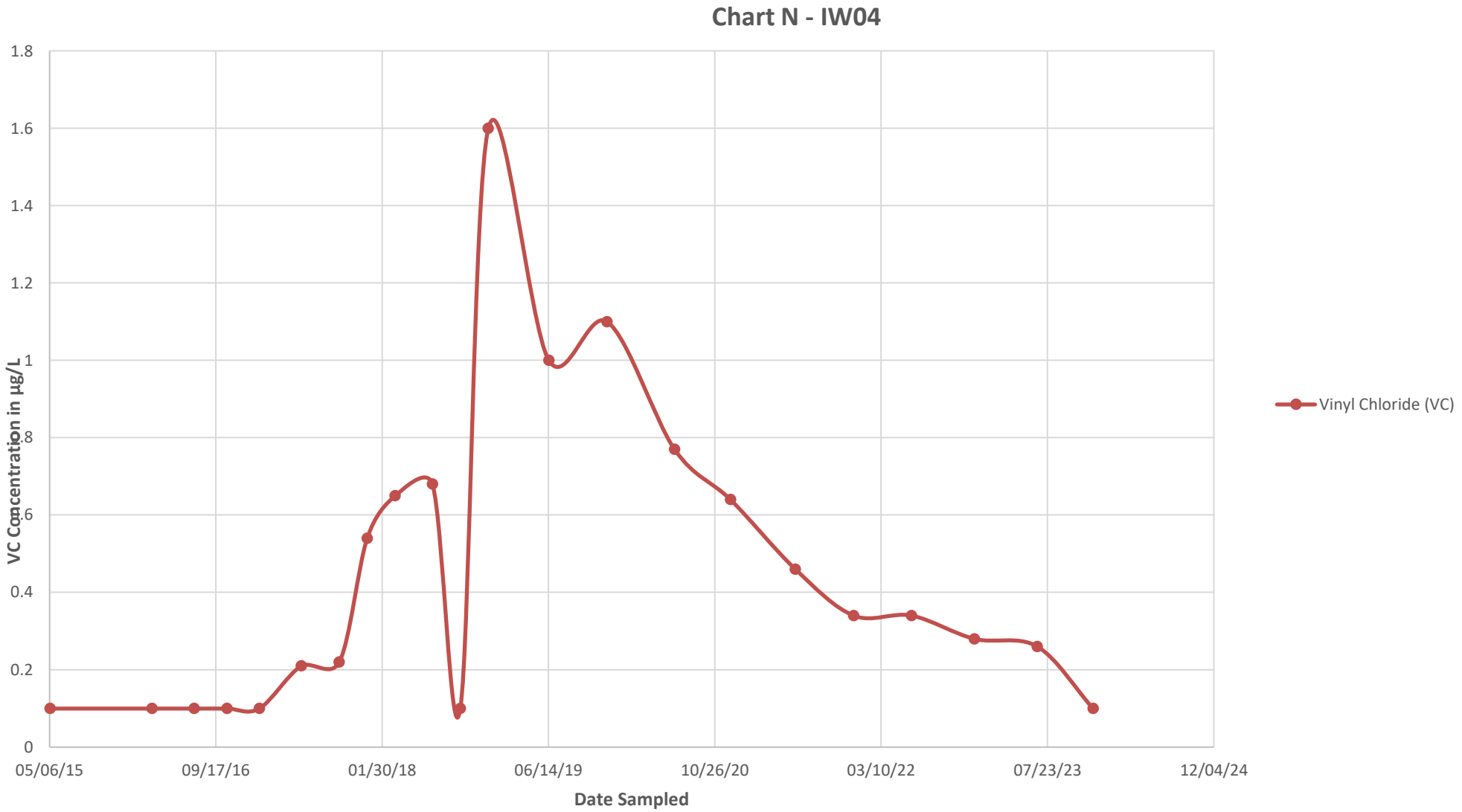
SoundEarth Strategies

CVOCs Trend Plot
Chart M - IW61
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



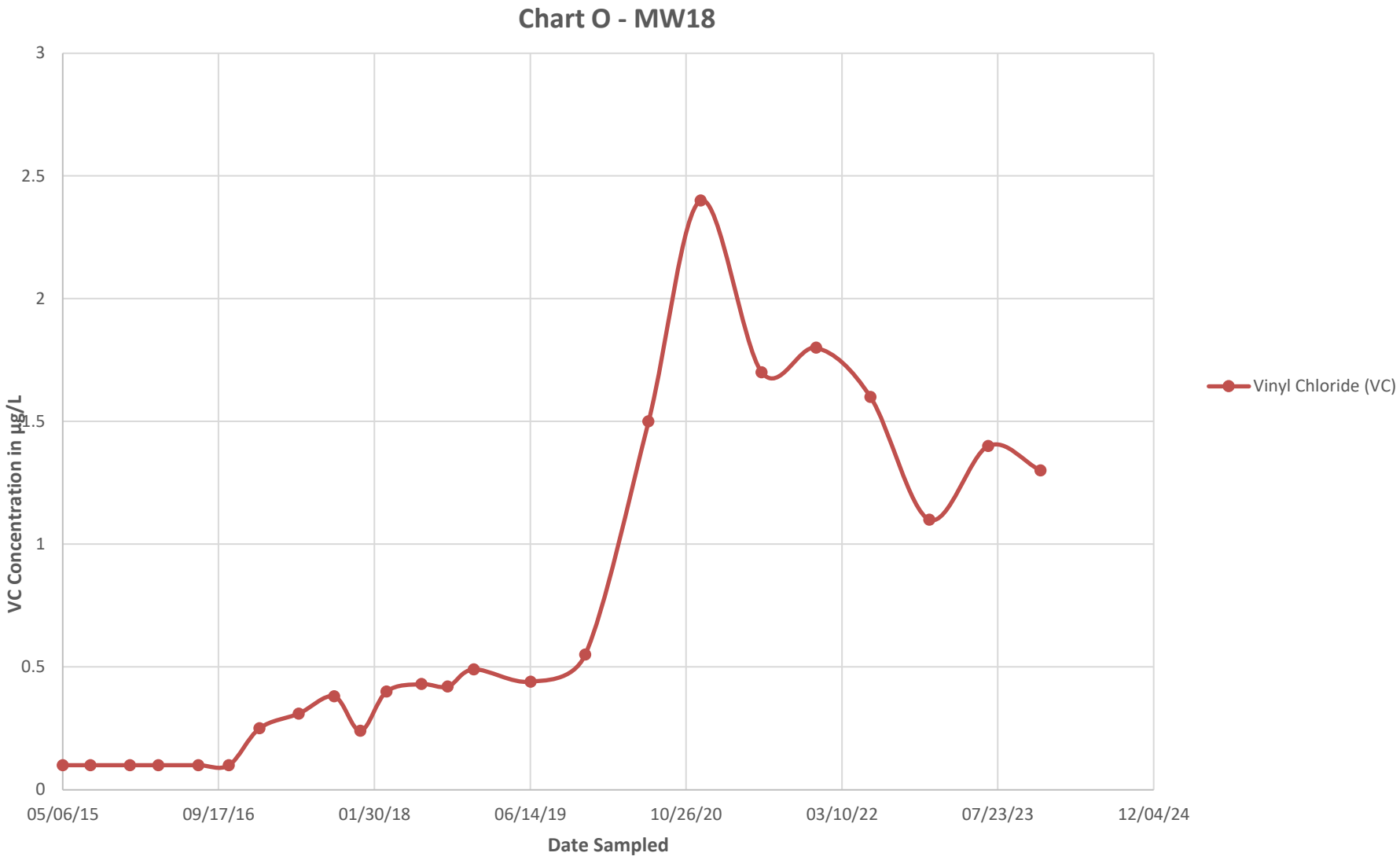
SoundEarth Strategies

CVOCs Trend Plot
Chart N - IW04
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



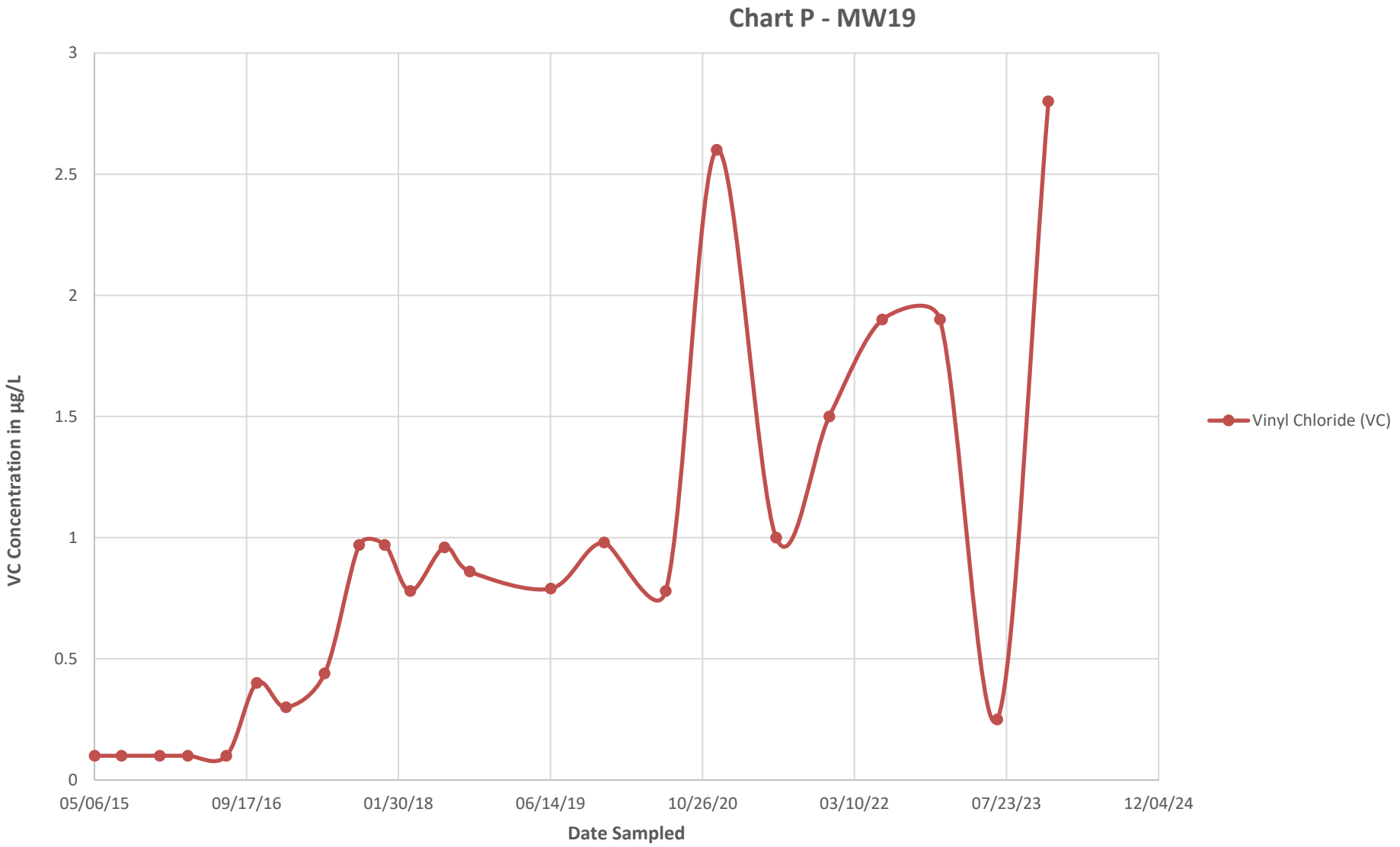
SoundEarth Strategies

CVOCs Trend Plot
Chart O - MW18
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



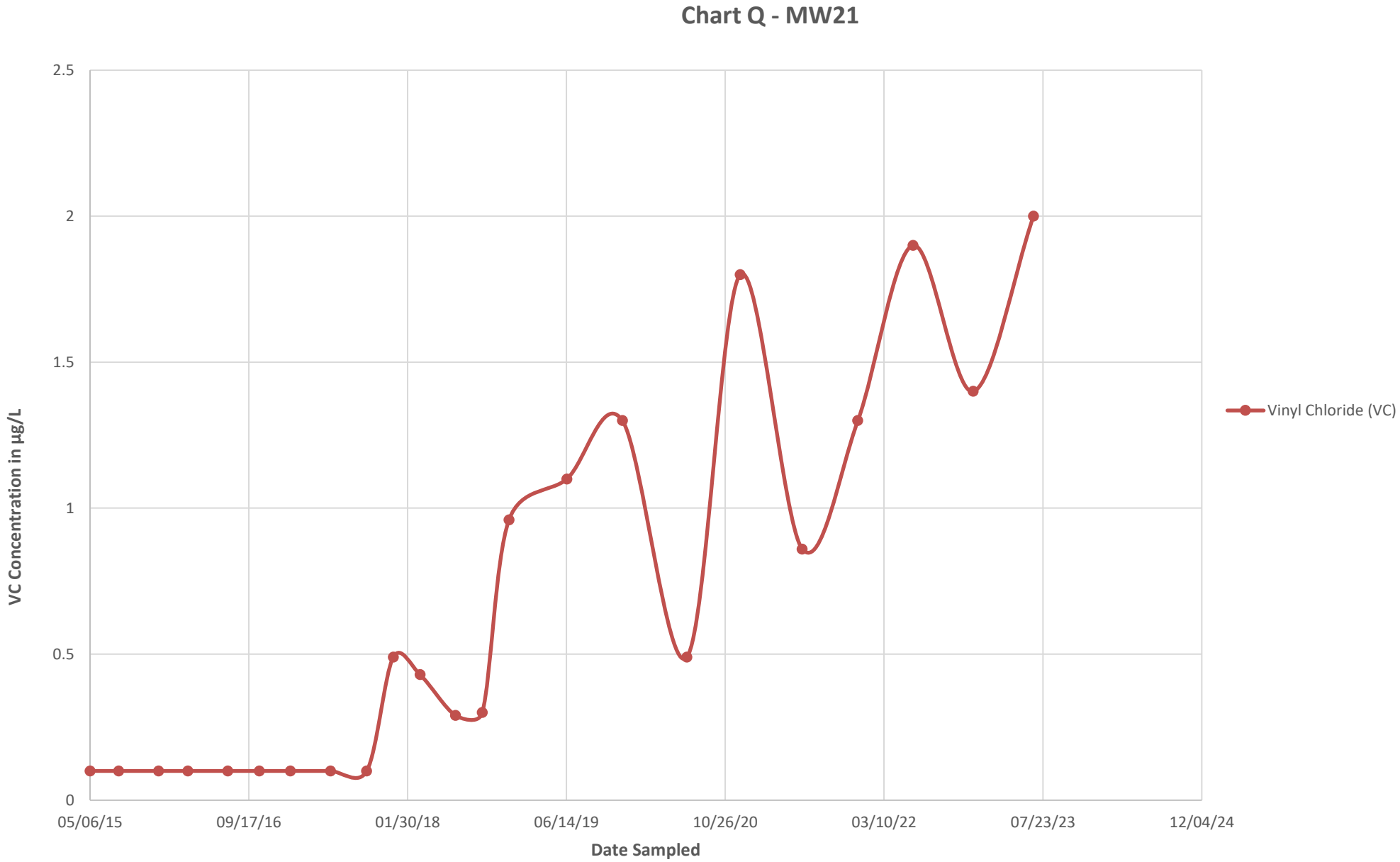
SoundEarth Strategies

CVOCs Trend Plot
Chart P - MW19
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



SoundEarth Strategies

CVOCs Trend Plot
Chart Q - MW21
Troy Laundry Property
300 Boren Avenue North and
399 Fairview Avenue North
Seattle, Washington



APPENDIX C

Groundwater Analytical Results for June 2024

Table 3
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
	Well not sampled 2022, 2023 or 2024							
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
	MW18-20230622	06/22/23	SoundEarth	<1	<0.5	<1	<1	1.4
	MW18-20231207	12/07/23	SoundEarth	<1	<0.5	<1	<1	1.3
	MW18-20240627	06/27/24	SoundEarth	<1	<0.5	3.6	<1	2.4
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

SoundEarth Strategies

Table 3
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
	MW19-20230622	06/22/23	SoundEarth	<1	<0.5	<1	<1	0.25
	MW19-20231207	12/07/23	SoundEarth	<1	<0.5	<1	<1	2.8
	MW19-20240627	06/27/24	SoundEarth	<1	<0.5	<1	<1	2.2
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
	Well not sampled 2022, 2023, or 2024							
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	`	<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
	MW21-20230623	06/23/23	SoundEarth	<1	<0.5	1.4	<1	2.0
	MW21-20231207	12/07/23	SoundEarth	<1	<0.5	4.5	<1	2.6
	MW21-20240627	06/27/24	SoundEarth	<1	<0.5	2.4	<1	1.9
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	MW22-20230623	06/23/23	SoundEarth	<1	<0.5	21	<1	0.51
	MW22-20231207	12/07/23	SoundEarth	<1	<0.5	52	<1	1.6
	MW22-20240627	06/27/24	SoundEarth	<1	<0.5	46	<1	1.8
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
	MW23-20240627	06/27/24	SoundEarth	<1	<0.5	5.5	<1	2.0
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
	MW24-20230623	06/23/23	SoundEarth	<1	<0.5	<1	<1	1.5
	MW24-20231207	12/07/23	SoundEarth	<1	<0.5	1.5	<1	2.0
	MW24-20240627	06/27/24	SoundEarth	<1	<0.5	1.4	<1	1.3
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

SoundEarth Strategies

Table 3
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
	MW25-20230623	06/23/23	SoundEarth	2.7	3.2	2.2	<1	1.3
	MW99-20230623 (DUP)			2.8	3.4	2.3	<1	1.3
	MW25-20231207	12/07/23	SoundEarth	4.1	5.5	3.4	<1	1.9
	MW99-20231207 (DUP)			3.9	5.4	3.4	<1	1.9
	MW25-20240627	06/27/24	SoundEarth	3.8	6.6	4.3	<1	1.8
	MW99-20240627 (DUP)			3.2	5.5	3.4	<1	1.5
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
	IW04-20230622	06/22/23	SoundEarth	<1	<0.5	<1	<1	0.26
	IW04-20231207	12/07/23	SoundEarth	<1	<0.5	<1	<1	<0.2
	IW04-20240626	06/26/24	SoundEarth	<1	<0.5	<1	<1	0.20
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	IW06-20230622	06/22/23	SoundEarth	1.1	<0.5	<1	<1	<0.02
	IW06-20231207	12/07/23	SoundEarth	1.4	<0.5	<1	<1	<0.2
	IW06-20240626	06/26/24	SoundEarth	1.3	<0.5	<1	<1	<0.2
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
	IW50-20230623	06/23/23	SoundEarth	1.8	0.79	18	<1	5.8
	IW50-20231207	12/07/23	SoundEarth	7.6	3.1	22	<1	5.4
	IW50-20240627	06/27/24	SoundEarth	10	3.9	24	<1	4.7
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
	IW61-20230623	06/23/23	SoundEarth	<1	<0.5	36	<1	2.7
	IW61-20231207	12/07/23	SoundEarth	<1	<0.5	41	<1	3.8
	IW61-20240627	06/27/24	SoundEarth	<1	<0.5	46	<1	3.0
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

SoundEarth Strategies

Table 3
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)
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
	Well not sampled 2022, 2023, or 2024							
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
	MW04-20230622	06/22/23	SoundEarth	<1	9.3	<1	<1	<0.02
	MW04-20231208	12/08/23	SoundEarth	<1	9.4	<1	<1	<0.2
	MW04-20240626	06/26/24	SoundEarth	<1	8.6	<1	<1	<0.2
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							
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[5]**

SoundEarth Strategies

Table 3
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)
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
	MW07-20230622	06/22/23	SoundEarth	2.4	5.1	<1	<1	<0.02
	MW07-20231208	12/08/23	SoundEarth	2.1	4.8	<1	<1	<0.2
	MW07-20240626	06/26/24	SoundEarth	1.7	4.2	<1	<1	<0.2
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[ct]	1.7[ct]	<1[ct]	<1[ct]	<0.2[ct]
	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	12/14/22	SoundEarth	4.8	0.57	<1	<1	<0.02
	MW13-20230622	06/22/23	SoundEarth	4.3	<0.5	<1	<1	<0.02
	MW13-20231206	12/06/23	SoundEarth	5.2	0.67	<1	<1	<0.2
	MW13-20240626	06/26/24	SoundEarth	4.7	<0.5	<1	<1	<0.2
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
	MW27-20230621	06/21/23	SoundEarth	<1	15	5.3	<1	<0.02
	MW27-20231206	12/06/23	SoundEarth	<1	4.5	<1	<1	<0.2
	MW27-20240626	06/26/24	SoundEarth	<1	20	1.5	<1	<0.2
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	MW31-20230621	06/21/23	SoundEarth	<1	4.1	<1	<1	<0.02
	MW31-20231206	12/06/23	SoundEarth	<1	2.6	<1	<1	<0.2
	MW31-20240626	06/26/24	SoundEarth	<1	4.3	<1	<1	<0.2
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
	MW34-20230621	06/21/23	SoundEarth	<1	4.8	<1	<1	<0.02
	MW34-20231206	12/06/23	SoundEarth	<1	6.4	<1	<1	<0.2
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							
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

SoundEarth Strategies

Table 3
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
	MW28-20230621	06/21/23	SoundEarth	<1	<0.5	5.6	<1	<0.02
	MW28-20231204	12/04/23	SoundEarth	1.6	1.2	10	<1	<0.2
	MW28-20240624	06/24/24	SoundEarth	1.1	1.1	**18**	<1	<0.2
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
	MW01-20230621	06/21/23	SoundEarth	<1	<0.5	<1	<1	<0.02
	MW01-20231206	12/06/23	SoundEarth	<1	<0.5	<1	<1	<0.2
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
	MW26-20230622	06/22/23	SoundEarth	<1	**11**	<1	<1	<0.02
	MW26-20231206	12/06/23	SoundEarth	<1	**5.8**	<1	<1	<0.2
	MW26-20240625	06/25/24	SoundEarth	<1	**11**	<1	<1	<0.2
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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
	MW32-20230621	06/21/23	SoundEarth	<1	<0.5	<1	<1	<0.02
	MW32-20231205	12/05/23	SoundEarth	<1	<0.5	<1	<1	<0.2
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
	MW33-20230620	06/20/23	SoundEarth	<1	<0.5	<1	<1	<0.02
	MW33-20231205	12/05/23	SoundEarth	<1	<0.5	<1	<1	<0.2
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							
MW29R	MW29R-20230824	08/24/23	SoundEarth	18	11	33	<1	<0.2
	MW29R-20240105	01/05/24	SoundEarth	8.5	2.2	2.3	<1	<0.2
	MW29R-20240625	06/25/24	SoundEarth	11	5.7	4.6	<1	<0.2
MW35	MW35-20230824	08/24/23	SoundEarth	<1	<0.5	<1	<1	<0.2
	MW35-20240105	01/05/24	SoundEarth	1.4	<0.5	<1	<1	<0.2
	MW35-20240625	06/25/24	SoundEarth	1.7	<0.5	<1	<1	<0.2
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

Table 3
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[5]	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
SLU-MW02	MW02-20120229	02/29/12[5]	SoundEarth	<1	<1	<1	<1	<0.2
	DECOMMISSIONED 2013							
Commercial Worker Groundwater Remediation Level at the Property[2]				**120**	**12**	**1,600**	**NA**	**1.6**
Roadway Excavation Worker Groundwater Remediation Level in ROWs[2]				**760**	**40**	**10,000**	**NA**	**9.9**
MTCA Cleanup Level				**5[3]**	**5[3]**	**16[4]**	**160[4]**	**0.2[3]**

NOTES:

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

Blue shading indicates concentrations exceeding the Commercial Worker Groundwater remediation level at the Property.

Yellow shading indicates concentrations exceeding the Roadway Excavation Worker Groundwater Remediation Level in ROWs.

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

[2]Table values in CLARC, Ecology's Guidance for Evaluating Vapor Intrusion in Washington State: Investigation and Remedial Action dated 2009, revised 2022 , and Ecology's South Lake Union Group Memorandum, dated December 14, 2022.

[3]MTCA Method A Cleanup Levels, Table 720-1 of WAC 173-340-900.

[4]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>.

[5]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.

[ct]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