PES Environmental, Inc.
Engineering & Environmental Services

A Report Prepared for:
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FINAL REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORK PLAN ADDENDUM
AMERICAN LINEN SUPPLY CO-DEXTER AVENUE SITE
700 DEXTER AVENUE NORTH
SEATTLE, WASHINGTON

Agreed Order No. DE 14302
Facility Site Identification Number: 3573
Cleanup Site Identification Number: 12004

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1.0 INTRODUCTION

PES Environmental, Inc. ("PES") has prepared this remedial investigation and feasibility study ("RI/FS") work plan addendum ("addendum") on behalf of BMR-Dexter LLC ("BMRD") for the American Linen Supply Co–Dexter Avenue Site ("Site") located at 700 Dexter Avenue North, Seattle, Washington (Figure 1). PES has been performing a remedial investigation on behalf of BMRD at the Site consistent with a Final RI/FS Work Plan (PES, 2019d). The RI/FS Work Plan (referred to as the work plan or plan) was prepared consistent with the requirements of Sections VII.A through VII.D of Agreed Order No. DE 14302 ("AO") between the State of Washington Department of Ecology ("Ecology") and BMRD. Implementation of the work plan began in 2019, after implementation of an AO-required interim action (PES, 2018). The focus of the interim action was to address Site contamination on-Property at 700 Dexter Avenue North. The RI is intended to investigate the nature and extent of Site contamination outside the 700 Dexter Avenue property.

This addendum discusses the scope of work and results of RI work conducted to date, including well installation, soil sampling and analysis, aquifer testing, groundwater level monitoring, groundwater sampling and analysis, and vapor probe sampling and analysis. As discussed in the RI/FS work plan, the data generated by implementing the work plan shall be reviewed and incorporated into an addendum that (1) identifies any additional subsurface monitoring or data collection needed to investigate the nature and extent of contamination at the Site and (2) describes additional soil vapor sampling to further evaluate the potential for vapor intrusion. This addendum describes the review of the data generated by implementing the RI/FS work plan and the proposed scope of work that will be performed to address RI data gaps, including the extent of soil and groundwater above screening levels and potential vapor intrusion pathways.

1.1 Definition of "Property" and "Site" for Purposes of a MTCA RI/FS

For the purpose of this addendum, the word "Site" refers to an area where contamination released at the property located at 700 Dexter Avenue North ("Property") has come to be located, consistent with the definition of "site" or "facility" in the Washington Model Toxics Control Act ("MTCA")(Chapter 70.105D of the Revised Code of Washington; Chapter 173-340 of the Washington Administrative Code). The word "Property" refers to the area within the 700 Dexter Avenue North property boundary (Figure 1).

1.2 Purpose

The purpose of the work described in this RI addendum is to provide additional information to determine the extent of contaminated soil and groundwater outside the Property and evaluate potential vapor intrusion pathways. Information collected during this phase of the RI will be added to information generated during the previous studies at the Site and will be used during the FS. This addendum summarizes the relevant Site background and data gathered through January 2020 and discusses what work will be implemented during the vapor intrusion assessment and additional soil and groundwater investigations, including the rationale and locations of the work to be performed, sampling and analytical procedures, quality control/quality assurance, data evaluation, reporting, and the schedule of work. Additional investigations and/or work may be required based on the results of the work outlined in this addendum. Any additional work would

be conducted consistent with a second work plan addendum that would be submitted for Ecology review and approval.

1.3 Report Organization

This addendum is organized into eight sections as follows:

Section 1 – Introduction: Provides the purpose of the addendum, defines the Site, and presents the organization of the work plan.

Section 2 – Site Background: Presents brief summaries of the location, history, contaminant sources, investigations, and independent actions conducted at the Property.

Section 3 – 2019 and 2020 RI Activities: Presents the RI scope of work completed in 2019 and 2020. For the sake of completeness, this section briefly discusses Property interim action activities and investigations conducted at the parcels immediately south of the Property, known as the Mercer Megablock site.

Section 4 – 2019 and 2020 Soil and Groundwater Results: Provides a summary of the 2019 and 2020 RI results, including groundwater elevations, aquifer test results, soil analytical results, and groundwater analytical results. The section concludes with a discussion of remaining data gaps.

Section 5 – Vapor Intrusion Tier I Evaluation: Presents a summary of the shallow investigation results (soil, soil vapor, and groundwater), infrastructure around the Property, and data gaps that need to be filled to complete the Tier I evaluation. The section concludes with a discussion of remaining data gaps.

Section 6 – Additional Proposed Investigations: Discusses the approach and scope of additional proposed investigations that are intended to fill subsurface investigation data gaps that exist after implementation of the RI to date.

Section 7 – Data Evaluation, Reporting, and Schedule: Summarizes the schedule of work and use of the data generated in the overall RI.

Section 8 – References: Lists the sources of information referenced in the document.

2.0 SITE BACKGROUND

The Property is located at 700 Dexter Avenue North in Seattle, Washington (Figure 1). It consists of one tax parcel (King County Assessor Parcel Number 224900-0285-03) and encompasses 59,822 square feet (approximately 1.4 acres).

An industrial laundry facility operated by American Linen Supply Company occupied the Property from 1925 through the mid-1990s. Dry cleaning was conducted on the Property as early as 1966. The Property also contained refueling facilities and several underground storage tanks ("USTs") used for petroleum hydrocarbons (i.e., gasoline and heating oil). A thorough description of the Property history, development, buildings, and use is provided in the RI/FS Work Plan (PES, 2019d).

The primary sources of contamination were located on the Property and included: (1) spills and releases of tetrachloroethene-containing liquids from the former dry cleaning operations, and (2) spills and releases of petroleum hydrocarbons from the former USTs. The primary constituents detected at the Site as a result of these releases consist of petroleum hydrocarbons and tetrachloroethene ("PCE") and its breakdown products trichloroethene ("TCE"), cis-1,2-dichloroethene ("cDCE"), trans-1,2-dichloroethene ("tDCE"), and vinyl chloride ("VC").

The first investigation of the Site was conducted in 1992, and numerous additional investigations have been conducted to date. A summary of the investigations conducted at the Site is presented in the RI/FS Work Plan (PES, 2019d). Figure 2 provides exploration locations across the Site, including all soil borings, monitoring wells, and injection well locations outside of the Property, with soil and groundwater data relevant to the purposes of this addendum.

Several interim actions have been conducted at the Property including closure of five USTs in 2013, operation of an electrical resistance heating/soil vapor extraction ("ERH/SVE") system from August to December 2013, multiple rounds of bioremediation injections between November 2015 and March 2019 that included amendments promoting *in situ* chemical oxidation and enhanced reductive dechlorination, shallow soil excavation, and groundwater extraction and treatment during Property construction dewatering. A summary of the interim actions conducted at the Property is presented in the RI/FS Work Plan (PES, 2019d).

3.0 2019 AND 2020 RI ACTIVITIES

This section summarizes the RI scope of work conducted in 2019 and 2020. The RI work was conducted consistent with the Final RI/FS Work Plan (PES, 2019d) and included monitoring well installations, soil sampling and analysis, hydraulic conductivity testing, groundwater level monitoring, groundwater sampling and analysis, and soil vapor sampling and analysis.

3.1 Well Installation and Soil Sampling

3.1.1 Locations

Twenty-eight remedial investigation and two interim action monitoring wells (MW-189 and MW-190) were installed by Holt Services ("Holt") between September 6 and October 4, 2019, outside of the Property (Figure 2). Wells were located in public right-of-ways ("ROWs") to minimize the need for private access agreements. Six Shallow Zone, eight Intermediate A Zone, nine Intermediate B Zone, and seven Deep Zone wells were installed as follows:

- Shallow Zone: MW-301, MW-305, MW-310, MW-312, MW-313, and MW-320;
- Intermediate A Zone: MW-189, MW-302, MW-306, MW-308, MW-315, MW-317, MW-325, and MW-327;
- Intermediate B Zone: MW-190, MW-303, MW-307, MW-309, MW-311, MW-314, MW-316, MW-318, and MW-322; and
- Deep Zone: MW-304, MW-319, MW-323, MW-324, MW-326, MW-328, and MW-329.

During attempts to install the Deep Zone monitoring well MW-330 boring in the northeast corner of the intersection of Westlake Ave North and Mercer St., multiple obstructions and underground utilities were encountered, and the well could not be installed. PES subsequently obtained an access agreement to collect groundwater samples from Farallon Consulting, LLC ("Farallon") deep zone monitoring well FMW-137, located in the northern portion of the alley between Westlake Ave North and Terry Ave North, and will continue to use this well in place of proposed well MW-330 (Figure 2). In addition, PES did not install Intermediate A Zone monitoring well MW-321 in the western sidewalk of 9th Avenue North due to the recent installation of a similar well (Farallon well FMW-142) in the eastern right-of-way of 9th Ave North. PES measured depths to water and collected groundwater samples from FMW-142 in place of the proposed well at the MW-321 location.

During construction activities associated with the installation of the shoring walls and tieback at the Property, wells MW-144 and MW-145 were damaged. Holt installed replacement wells MW-144R and MW-145R in the eastern right-of-way of 8th Ave. North on November 26, 2019. On December 6, 2019, Holt decommissioned MW-144 and MW-145 in place.

Appendix A provides the borings logs for the RI wells and interim action well MW-190 installed in 2019.

3.1.2 Permitting

Prior to any work in the ROW, PES procured the necessary permits from the Seattle Department of Transportation, including short-term use truck permits, short-term hooded meter permits, and longer-term street use permits. PES prepared the applications; coordinated the preparation of the traffic control plans; submitted the application packages to the City; coordinated with the Uptown/Belltown Hub Coordinator about allowed work areas, work periods, and work times; and provided adjacent property owner notifications.

3.1.3 Soil Sampling Methods and Well Installation

PES subcontracted with Holt to drill and install the monitoring well borings using two track-mounted sonic drilling rigs, with soil samples collected continuously during drilling. The soil samples were used for lithologic identification, field screening for evidence of contamination, and soil sample collection for laboratory analysis. In general, soil samples were collected for laboratory analysis in the deepest boring at each location, with samples also collected every 5 feet starting at a depth of 5 feet below ground surface ("bgs"). Monitoring wells were completed with 2-inch-diameter polyvinyl chloride ("PVC") and 10-foot-long well screens. Wells sat for a minimum of 48 hours after installation before they were developed by Holt. Development consisted of the repeated surging of the entire screen length with a bailer or surge block and pumping from the well until the color of the discharge water did not change with additional development, and the turbidity of the purge water was under 100 nephelometric turbidity units ("NTUs").

Shallow well MW-301 was installed in the southern sidewalk on Valley Street, north of the Property (Figure 2). The well has been dry since installation due to the dewatering system operating at the Property during construction activities. MW-301 will be developed after the dewatering system has been turned off and before collecting groundwater samples. Table 1 presents the well completions for wells installed outside of the Property.

3.1.4 Soil Laboratory Analyses

Soil samples were collected consistent with EPA Method 5035 and submitted to Pace Analytical of Mount Juliet, Tennessee, for VOC analysis using EPA Method 8260 and, in select wells, for gasoline-range organics ("GRO") analysis using Ecology Method NWTPH-Gx. Select soil samples were analyzed for grain size, vertical hydraulic conductivity, dry bulk density, and fraction organic carbon (f_{oc}), as described in the RI/FS work plan.

3.2 Aquifer Testing

Rising head slug tests were conducted on three of the new monitoring wells in December 2019. The wells were selected after the new wells had been installed, developed, and sampled for the first time. The wells were selected to complement the previous slug tests, provide analyses in representative areas around the Site, and test wells screened in different lithologies. PES also used a colloidal borescope to evaluate the groundwater flow rate and direction in seven monitoring wells.

3.3 Groundwater Level Monitoring

PES measured groundwater levels in all available monitoring wells at the Site on July 16 and October 21, 2019, and on January 13, 2020.

3.4 Groundwater Sampling

PES collected groundwater samples from monitoring wells off the Property in January, April, July, and October 2019, and in January 2020. The January, April, and July 2019 events included accessible interim action monitoring wells (PES, 2018), and the October 2019 and January 2020 events included accessible interim action monitoring wells and RI monitoring wells, including the new RI monitoring wells installed in late 2019 and contingent action monitoring wells on the Property (PES, 2019a). Following is a brief summary of the scopes of work for the October 2019 and January 2020 events, which were conducted consistent with the RI/FS work plan.

3.4.1 Fourth Quarter 2019

During the fourth quarter 2019 groundwater sampling event, PES collected groundwater samples from 88 monitoring wells outside of the Property, including 17 Shallow Zone wells, 24 Intermediate A Zone wells, 20 Intermediate B Zone wells, and 27 Deep Zone wells. In addition, 24 CAA monitoring wells installed on the Property between September 24 and October 26, 2019, were sampled during the fourth quarter 2019 event. Except as noted below, the wells were sampled between October 7 and November 14, 2019. All wells in the RI monitoring network were sampled except for the following:

- Shallow Zone monitoring wells MW121, MW-159, MW-301, and R-MW6 were dry and, therefore, were not sampled; and
- Intermediate A Zone monitoring well MW-144 and Intermediate B Zone monitoring well MW-145 were damaged during construction-related activities and decommissioned in December 2019. Replacement wells MW-144R and MW-145R were installed November 26, 2019, developed between December 4 and 6, 2019, and sampled on December 16, 2019.

3.4.2 First Quarter 2020

During the first quarter 2020 groundwater sampling event, PES collected groundwater samples from 113 monitoring wells outside of the Property, including 17 Shallow Zone wells, 24 Intermediate A Zone wells, 20 Intermediate B Zone wells, 27 Deep Zone wells. In addition, 24 CAA monitoring wells on the Property were sampled during the first quarter 2020 event. Except as noted below, the wells were sampled between January 14 and January 30, 2020. All wells in the RI monitoring network were sampled except for Shallow Zone monitoring wells MW121, MW-301, and R-MW6; these wells were dry and, therefore, were not sampled that quarter.

3.5 Vapor Sampling

PES collected vapor samples from SV01 and SV02 in February, April, July, and November 2019. PES also collected vapor samples from SV01 in January 2020 and from SV03 in February and April 2019. Sampling of SV03 in July and November 2019 encountered intermittent water

when purging and down-probe negative pressure that prevented collection of the sample. Attempts to purge the probe of water did not relieve the negative pressure, and samples were not collected. PES attempted to collect a vapor sample from SV02 in January 2020, but the probe screen was submerged and could not be cleared. All samples were submitted for analysis by EPA Method TO-15.

3.6 Other 2019 Site Investigations

3.6.1 Property Interim Action Well Installation and Soil Sampling

PES oversaw the installation of interim action monitoring wells by Cascade Drilling, Inc. ("Cascade"), in four treatment zones. The treatment zone elevation ranges (feet relative to the North American Vertical Datum of 1988 (NAVD 88)) were +10 to -10 feet for Treatment Zone A, -10 to -25 feet for Treatment Zone B, -25 to -40 feet for Treatment Zone C, and -40 to -55 feet for Treatment Zone D. The wells included the following:

- **Sixty-Four Contingent Action Injection Wells.** CA-A1 through CA-A21, CA-B1 through CA-B21, CA-C1 through CA-C13 (including replacement well CA-C2A that replaced damaged well CA-C2), and CA-D1 through CA-D8 were installed on the Property between August 27 and October 28, 2019;
- **Twenty-Four Contingent Action Monitoring Wells.** MW-165 through MW-188 were installed on the Property between September 24 and October 26, 2019; and
- **Eighty-Two Perimeter Injection Wells:** PRB-A1 through PRB-A13, PRB-A16 through PRB-A22, PRB-B1 through PRB-B21, PRB-C1 through PRB-C13, PRB-C16 through PRB-C22, PRB-D1 through PRB-D21, were installed outside of the Property between January 8 and March 26, 2019.

The Interim Action Work Plan (PES, 2018) provides the approximate locations of the contingent action wells installed on the Property, and Figure 2 shows the locations of the perimeter injection wells installed outside of the Property. The installation, soil sampling, and well development were performed consistent with the Final Interim Action Work Plan ("IAWP", PES, 2018) and the Final Contingent Action Addendum to the IAWP (PES, 2019a).

3.6.2 Megablock Well Installation and Sampling

An environmental investigation is ongoing as part of redevelopment of parcels listed in Ecology's confirmed and suspected contaminated sites list ("CSCSL") as Seattle DOT Mercer Parcels, and locally known as the Mercer Megablock, south of the Property. The Mercer Megablock parcels encompass the property between Roy Street to the north, Mercer Street to the south, Dexter Avenue North to the west, and 9th Avenue North to the east, as well as the parcel immediately southwest of the Dexter Avenue North and Roy Street intersection. Hart Crowser, Inc. ("Hart Crowser") oversaw installation of 34 temporary borings and 11 monitoring wells between March 4 and March 15, 2019, in approximately the same stratigraphic zones as elsewhere on the Site (Hart Crowser, 2019). Figure 2 shows the locations of the explorations, and the following list provides a summary of the wells (DMW and HMW prefixes) and temporary borings (DPP, DGW, MBPP, and MBGW prefixes) by stratigraphic zone:

- Shallow Zone: DMW-1S, HMW-1S, HMW-2S, DPP-1 through DPP-6, DGW-1, DGW-2, MBGW-1, MBGW-3, MBGW-4, MBGW-6, MBGW-9, MBGW-10, MBGW-12 through MBGW-14, and MBPP-1 through MBPP-8;
- Intermediate A Zone: HMW-2IA, HMW-3IA, HMW-4IA, DGW-3, DGW-4, and MBGW-11;
- Intermediate B Zone: HMW-1IB, HMW-2IB, MBGW-5, MBGW-7, MBGW-8, and MBGW-16; and
- Deep Zone: HMW-1D, HMW-2D, HMW-3D, MBGW-2, and MBGW-15.

Hart Crowser (2019) provides the details of the installation, soil sampling, and well development of the Megablock explorations.

3.6.3 500 through 536 Westlake Avenue North Well Installation

An environmental investigation is ongoing as part of redevelopment of the parcel at 500 through 536 Westlake Avenue North, listed in CSCSL as Block 38 West. Farallon oversaw installation of five monitoring wells between November 2018 and July 2019. The wells were installed to the north and northwest of Block 38 West, in approximately the same stratigraphic zones as elsewhere on the Site. Figure 2 shows the locations of the explorations, and the following list provides a summary of the wells by stratigraphic zone:

- Shallow Zone: FMW-143;
- Intermediate A Zone: FMW-142;
- Intermediate B Zone: FMW-141; and
- Deep Zone: FMW-137 and FMW-140.

4.0 2019 AND 2020 RI SOIL AND GROUNDWATER RESULTS

This section provides a brief overview of the RI results since installation of the RI monitoring wells in late 2019. Data collected prior to that were previously reported to Ecology. The RI/FS Work Plan presented data collected through January 2019, and quarterly groundwater data reports provided the groundwater data collected in April (PES, 2019b), July (PES, 2019c), and October 2019 (PES, 2020). Historical Site soil data, the RI groundwater data collected in the fourth quarter 2019 and first quarter 2020, and the Megablock soil and groundwater data collected in the first quarter 2019 were used to determine if any additional subsurface monitoring locations are needed to investigate the nature and extent of soil and groundwater contamination at the Site.

4.1 Groundwater Elevations

PES monitored groundwater elevations at the Site from March 2017 through January 2020. Factors affecting groundwater elevations during that time include seasonal variability and operation of dewatering systems at the 630 Westlake Avenue North property (between April 17 and December 18, 2017), the Property (from August 6, 2019, to the present), and 520 Westlake Avenue North (from January 3, 2020, to the present). Groundwater elevations (in general) were highest in March 2017 and March 2019. Shallow Zone groundwater elevations in March 2017 and March 2019 ranged from roughly 39 feet (relative to NAVD 88) west of the Property (R-MW5) to 18.4 feet east of the Property by South Lake Union (MW214). Groundwater flow directions in the Shallow, Intermediate A, and Intermediate B Zones during periods without operational dewatering systems were generally to the east-northeast. The groundwater flow directions in the Deep Zone during periods without operational dewatering systems were to the west from a groundwater high located near 9th Avenue North and Roy Street and southeasterly to the east of the groundwater high. Figures 3 and 4 provide the two most recent sets of groundwater elevation contours, measured in October 2019 and January 2020, respectively.

4.2 Aquifer Test Results

Table 2 presents the soil physical properties determined by laboratory testing of soil samples collected during the 2019 RI monitoring well installation. PES used the Kozeny-Carmen equation (Payne et al., 2008) to estimate the hydraulic conductivity of the samples analyzed for grain size. The median calculated hydraulic conductivities of the samples collected in the Shallow, Intermediate A, Intermediate B, and Deep Zones were 2.6×10^{-4} cm/sec (1 sample), 4.4×10^{-5} cm/sec (10 samples), 3.4×10^{-6} cm/sec (6 samples), and 2.7×10^{-3} cm/sec (4 samples), respectively. The median calculated hydraulic conductivities of the sand, silty sand, sandy silt and silt, and clay samples were 1.3×10^{-3} cm/sec (6 samples), 2.6×10^{-5} cm/sec (10 samples), 5.1×10^{-6} cm/sec (2 samples), and 1.3×10^{-6} cm/sec (3 samples), respectively. These results were somewhat lower than the results for soil samples collected on or adjacent to the Property (PES, 2019d). The vertical hydraulic conductivities of six soil samples measured in the laboratory varied from 1.8×10^{-7} (clay in MW-323 at 32 feet bgs) to 1.2×10^{-4} cm/sec (silty sand in MW-323at 100 feet bgs).

Table 3 provides the horizontal hydraulic conductivities estimated from three slug tests conducted by PES in RI monitoring wells installed in 2019. Hydraulic conductivities were

estimated from both the falling head and rising head tests, with average hydraulic conductivities determined using all of the data at each well. The estimated average horizontal hydraulic conductivities were 1.7 x 10^{-5} cm/sec (silty sand and silt with sand in MW-311), 6.0 x 10^{-3} cm/sec (silty sand, silty gravel, and gravel in MW-323), and 1.3 x 10^{-2} cm/sec (sand in MW-328). The results of the colloidal borescope were inconclusive, likely due to interferences from Property dewatering and adjacent traffic.

4.3 Soil Analytical Results

PES collected 256 soil samples for laboratory analysis during drilling and installation of 17 of the 30 new monitoring wells installed at the Site in 2019. Table 4 provides the GRO, BTEX, and primary chlorinated volatile organic compound ("CVOC") results for these samples. Approximately three quarters of the 256 soil samples collected had detections below the screening levels for GRO, BTEX, and the primary CVOCs. The maximum detections of the primary CVOCs were 2.31 milligrams per kilogram ("mg/kg") PCE (55 feet bgs in MW-311), 0.895 mg/kg TCE (55 feet bgs in MW-311), 3.03 mg/kg cDCE (65 feet bgs in MW-323), 0.0114 mg/kg tDCE (65 feet bgs in MW-323), and 0.0756 mg/kg VC (55 feet bgs in MW-314).

Appendix B presents all of the primary petroleum hydrocarbon and CVOC results in soil collected at the Site including data for soil samples collected during the perimeter injection wells and soil samples collected during the investigation of the Megablock. Figures 5 through 8 depict the primary CVOC results in soil by groundwater zone and the primary CVOC results in groundwater during the fourth quarter 2019 and first quarter 2020. Only samples collected outside the Property were included on Figures 5 through 8, which include depictions relative to the screening levels of all soil samples collected outside the Property (including from the perimeter injection wells and the Megablock borings) and Megablock groundwater samples collected in March 2019. A discussion of the on-Property soil results will be included with the RI Report once the data collection has been completed.

In general, the soil samples that exceeded the screening levels corresponded with groundwater results exceeding the screening levels in the same zone (Figures 5 through 8). Following is a brief summary of the soil results by groundwater zone.

4.3.1 Shallow Zone

In the shallow RI and interim action soil samples analyzed, PCE, TCE, cDCE, and VC were not detected above the screening levels, except for in the 10 feet bgs sample from MW-190, the 25 feet bgs sample from MW-301, the 5 feet bgs sample from MW-302, and the 10 feet bgs sample from MW-323 (Table 4). PCE, TCE, and/or cDCE were detected above the screening levels in soil samples collected from a number of perimeter injection wells at depths ranging from 3 to 30 feet bgs (Figure 5). Other detections above the screening levels included PCE in MW106 at 30 feet bgs and PCE in Megablock boring MBGW-3 at 26 feet bgs. Due to the lack of soil screening level exceedances immediately below the sample, the PCE screening level exceedance at 10 feet bgs in MW-323 may be related to a source from the adjacent parcel.

4.3.2 Intermediate A Zone

Soil from five RI and interim action Intermediate A Zone well borings exceeded the PCE, TCE, cDCE, or VC screening levels, including the 30, 35, and 55 feet bgs samples from MW-190; the 15, 20, and 40 feet bgs samples from MW-309; the 45 feet bgs sample from MW-311; the 30, 35, 40, and 50 feet bgs samples from MW-328; and the 45 and 50 feet bgs samples from MW-329 (Table 4). As shown on Figure 6, PCE, TCE, cDCE, and/or VC were also detected above the screening level in soil samples from perimeter injection wells and from borings and wells along 8th Avenue North, Roy Street, in the alley between 8th and 9th Avenues North, and on the Megablock.

4.3.3 Intermediate B Zone

Soil from four Intermediate B Zone well borings exceeded the PCE, TCE, cDCE, or VC screening levels, including the 50, 55, and 60 feet bgs samples from MW-311; the 75 feet bgs sample from MW-319; the 55, 60, 65, and 75 feet bgs samples from MW-323; and the 60, 65, 70, and 75 feet bgs samples from MW-324 (Table 4). Figure 7 highlights wells along 8th Avenue North, in the alley between 8th and 9th Avenues North, on 9th Avenue North, and on Broad Street with PCE, TCE, cDCE, and/or VC detections above the screening levels.

4.3.4 Deep Zone

Soil from four Deep Zone well borings exceeded the PCE, TCE, cDCE, or VC screening levels, including the 80 and 85 feet bgs samples from MW-319; the 80, 85, 90, 91, 95, and 99 feet bgs samples from MW-323; the 80 feet bgs sample from MW-324; and the 75, 80, 85, and 90 feet bgs samples from MW-329 (Table 4). Figure 8 highlights two additional wells with CVOC detections just above the screening levels, MW103 (cDCE at 83 feet bgs) and MW-161 (PCE at 130 feet bgs).

4.4 Groundwater Analytical Results

This section presents brief summaries of the groundwater analytical results from the two quarters of sampling that included the recently installed RI monitoring wells (fourth quarter 2019 and first quarter 2020). The discussions are limited to the four primary CVOCs, BTEX, and GRO. The RI report will include a more complete summary of the groundwater analytical results that includes the geochemical parameters. Tables 5, 6, and 7 provide the 2019 and 2020 RI groundwater GRO, BTEX, and primary CVOC analytical results, and Figures 5 through 8 depict the fourth quarter 2019 and first quarter 2020 PCE, TCE, cDCE, and VC analytical results on a Site map. Figures 5 through 8 also include the Megablock data collected in March 2019, which are included in the brief fourth quarter 2019 discussions below. Appendix C provides plots of the primary CVOC time trends.

4.4.1 Fourth Quarter 2019

The following provides a brief overview of the fourth quarter 2019 groundwater analytical results by groundwater zone:

1. **Shallow Zone Wells:** In the 17 sampled RI Shallow Zone wells, GRO, toluene, total xylenes, and tDCE were not detected above their respective screening levels in the fourth quarter 2019 sampling event. Benzene was detected above its screening level in MW-214, SCL-MW101, SCL-MW105, and SCS-2, and ethylbenzene was detected above its screening level in SCL-MW105 and SCS-2. PCE was detected above its screening level in MW-154 and MW-155; TCE and cDCE were detected above their respective screening levels in MW-155; and VC was detected above its screening level in MW-9 and MW-313. FMW-143, MW-8, MW125, MW-305, MW-310, MW-312, MW-320, R-MW5, SMW-3, and Megablock wells HMW-1S and HMW-2S (sampled in March 2019) did not have detections of petroleum hydrocarbons or CVOCs above the screening levels.

2. **Intermediate A Zone Wells:** In the 24 sampled RI Intermediate A Zone wells, toluene, ethylbenzene, total xylenes, and tDCE were not detected above their respective screening levels in the fourth quarter 2019 sampling event. Benzene was detected above its screening level in MW108 and MW-308; and PCE, TCE, cDCE, and VC were detected above their screening levels in multiple wells. Following are the highest detected concentrations of the primary CVOCs:

    - PCE: 1,180 micrograms per liter ("µg/L") in MW110;
    - TCE: 498 µg/L in MW110;
    - cDCE: 1,420 µg/L in MW-156; and
    - VC: 2,830 µg/L in MW-146.

    FMW-142, GEI-1, MW116, MW127, MW-302, MW-306, MW-315, MW-317, MW-325, and MW-327 did not have detections of GRO, BTEX, or the five primary CVOCs above the screening levels. For the Megablock wells sampled in March 2019, PCE, TCE, cDCE, and VC were detected above their respective screening levels in HMW-2IA, and GRO, BTEX, and the five primary CVOCs were not detected above their respective screening levels in HMW-3IA and HMW-4IA.

3. **Intermediate B Zone Wells:** In the 20 sampled RI Intermediate B Zone wells, toluene, ethylbenzene, total xylenes, and tDCE were not detected above their respective screening levels in the fourth quarter 2019 sampling event. Benzene was detected above its screening level in MW-318 and MW-322; and PCE, TCE, cDCE, and VC were detected above the screening levels in multiple wells. Following are the highest detected concentrations of the primary CVOCs:

    - PCE: 26.1 µg/L in MW-314;
    - TCE: 106 µg/L in MW-314;
    - cDCE: 2,510 µg/L in MW-143; and
    - VC: 1,760 µg/L in FMW-141.

    MW112, MW126, MW-145R, MW-303, and MW-316 did not have detections of GRO, BTEX, or the five primary CVOCs above the screening levels. For the Megablock wells

sampled in March 2019, PCE, TCE, and cDCE were detected above their respective screening levels in HMW-1IB, and GRO, BTEX, and the five primary CVOCs were not detected above their respective screening levels in HMW-2IB.

4. **Deep Zone Wells:** In the 27 sampled RI Deep Zone wells, toluene, ethylbenzene, total xylenes, and tDCE were not detected above their respective screening levels in the fourth quarter 2019 sampling event. PCE was detected only once above the screening level (FMW-129); and benzene, TCE, cDCE, and VC were detected above their screening levels in multiple wells. Following are the highest detected concentrations of the primary CVOCs:

    - PCE: 114 µg/L in FMW-129;
    - TCE: 198 µg/L in FMW-129;
    - cDCE: 1,550 µg/L in MW-324; and
    - VC: 189 µg/L in FMW-140.

    FMW-131, FMW-137, MW102, MW106, MW122, MW123, MW124, MW-138, MW-153, MW-160, MW-161, MW-304, and MW-326 did not have detections of GRO, BTEX, or the five primary CVOCs above the screening levels. For the Megablock wells sampled in March 2019, PCE, TCE, cDCE, and VC were detected above their respective screening levels in HMW-1D, and GRO, BTEX, and the five primary CVOCs were not detected above their respective screening levels in HMW-2D and HMW-3D.

GRO was also detected in groundwater samples at concentrations exceeding the screening level; however, most of these screening level exceedances were qualified as a result of the data quality review, which indicated that the GRO concentrations above the screening level in three wells (MW-143, MW-146, and MW-156) were likely due to the presence of CVOCs in the samples.

4.4.2 First Quarter 2020

The following provides a brief overview of the first quarter 2020 groundwater analytical results by groundwater zone:

1. **Shallow Zone Wells:** In the 17 sampled Shallow Zone wells, GRO, toluene, total xylenes, and tDCE were not detected above their respective screening levels in the first quarter 2020 sampling event. Benzene was detected above its screening level in SCL-MW101, SCL-MW105, and SCS-2, and ethylbenzene was detected above its screening level in SCL-MW105 and SCS-2. PCE was detected above its screening level in MW-154 and MW-155; TCE was detected above its screening level in MW-155; and VC was detected above its screening level in MW-9 and MW-313. FMW-143, MW-8, MW125, MW-159, MW-214, MW-305, MW-310, MW-312, MW-320, R-MW5, and SMW-3 did not have detections of petroleum hydrocarbons or CVOCs above their screening levels.

2. **Intermediate A Zone Wells:** In the 25 sampled Intermediate A Zone wells, toluene, ethylbenzene, total xylenes, and tDCE were not detected above their respective screening

levels in the first quarter 2020 sampling event. Benzene was detected above its screening level in MW108, MW-156, and MW-308; and PCE, TCE, cDCE, and VC were detected above the screening levels in multiple wells. Following are the highest detected concentrations of the primary CVOCs:

- PCE: 792 µg/L in MW-156;
- TCE: 534 µg/L in MW-156;
- cDCE: 3,590 µg/L in MW107; and
- VC: 5,800 µg/L in MW-146.

FMW-142, GEI-1, GEI-MW-1, MW116, MW127, MW-302, MW-306, MW-315, MW-317, MW-325, and MW-327 did not have detections of GRO, BTEX, or the five primary CVOCs above the screening levels.

3. **Intermediate B Zone Wells:** In the 20 sampled Intermediate B Zone wells, toluene, ethylbenzene, total xylenes, and tDCE were not detected above their respective screening levels in the first quarter 2020 sampling event. Benzene was detected above its screening level in MW-318 and MW-322; and PCE, TCE, cDCE, and VC were detected above the screening levels in multiple wells. Following are the highest detected concentrations of the primary CVOCs:

   - PCE: 39.4 µg/L in MW-157;
   - TCE: 109 µg/L in MW-157;
   - cDCE: 2,740 µg/L in MW-322; and
   - VC: 941 µg/L in MW-157.

   MW112, MW126, MW-145R, MW-190, MW-303, MW-307, and MW-316 did not have detections of GRO, BTEX, or the five primary CVOCs above the screening levels.

4. **Deep Zone Wells:** In the 27 sampled Deep Zone wells, toluene, ethylbenzene, total xylenes, and tDCE were not detected above their respective screening levels in the first quarter 2020 sampling event. PCE was detected once above the screening level (FMW-129); and benzene, TCE, cDCE, and VC were detected above the screening levels in multiple wells. Following are the highest detected concentrations of the primary CVOCs:

   - PCE: 113 µg/L in FMW-129;
   - TCE: 170 µg/L in FMW-129;
   - cDCE: 10,300 µg/L in MW113; and
   - VC: 1,410 µg/L in MW113.

   FMW-131, FMW-137, GEI-2, MW102, MW106, MW122, MW123, MW124, MW-138, MW-153, MW-158A, MW-304, and MW-326 did not have detections of GRO, BTEX, or the five primary CVOCs above the method detection limits ("MDLs").

GRO was also detected in groundwater samples at concentrations exceeding the screening level (Tables 5, 6, and 7); however, most of these screening level exceedances were qualified as a result of the data quality review, which indicated that the GRO concentrations above the screening level in three wells (MW-143, MW-146, and MW-156) were likely due to the presence of CVOCs in the samples.

4.5 Soil and Groundwater Data Gaps

PES evaluated soil and groundwater data collected off of the Property to determine if the nature and extent of contamination exceeding the screening levels had been defined. Table 8 provides a summary of the evaluation, including the soil data collected during the most recent RI well installation, the soil data collected during previous explorations off of the Property (Appendix B), and groundwater data collected during the fourth quarter of 2019 and first quarter of 2020 (Tables 5, 6, and 7; Figures 5 through 8). Figures 9 and 10 provide geologic cross sections that run from the Property toward the south end of Lake Union, with Figure 9 representing a flow path when dewatering is not occurring in the area, and Figure 10 representing a flow path when dewatering is occurring in the area south of Lake Union. Soil PCE concentrations and groundwater CVOC concentrations in January 2020 are shown on the cross sections. PES prioritized the groundwater results to determine if the existing data set indicates that the nature and extent of contamination has been determined, since elevated soil CVOC results are typically co-located with elevated groundwater CVOC results in the same zone. Data gaps include the following:

- **Shallow Zone.** CVOC results from existing and recently installed Shallow Zone monitoring wells (MW-305, MW-310, MW-312, and MW-320) indicate that the extent of CVOCs has been determined to the north, west, and northeast of the Property. Groundwater CVOC screening level exceedances in MW-154 and MW-155 are bounded to the south by numerous soil CVOC results below the screening levels and Shallow Zone groundwater CVOC results below the screening levels in wells HMW-1S and HMW-2S. Groundwater VC screening level exceedances in MW-313 (located at the south end of the alley between 8th Avenue North and 9th Avenue North) are not bounded to the east, indicating a data gap. Also, an absence of Shallow Zone monitoring wells near the west side of Lake Union is also a data gap, since Shallow Zone groundwater flows toward the lake and no Shallow Zone groundwater elevation data or groundwater quality data are presently available near the lake.

- **Intermediate A Zone.** CVOC results from existing and recently installed Intermediate A Zone monitoring wells (MW-189, MW-302, MW-306, MW-315, MW-317, MW-325, and MW-327) indicate that the extent of CVOCs has been determined to the west, south, southeast, and northeast of the Property. CVOC screening level exceedances in MW-189 and MW-308 are not bounded to the north, and CVOC screening level exceedances in MW115 are not bounded to the east northeast (Figure 9). The concentrations of PCE and TCE detected in MW119 just above the screening levels are bounded downgradient (northeast toward the south end of Lake Union) by GEI-1. The PCE and TCE concentrations in MW119 are generally downward-trending. Based on the future monitoring results of MW119 and

new Intermediate B Zone and Deep Zone wells installed to the southeast of MW119 (MW-335 and MW-336, respectively), installation of an Intermediate A Zone well next to MW-335 and MW-336 will be considered in consultation with Ecology. As noted in Hart Crowser (2019), the VC exceedance in HMW-4IA, located at the southwest corner of the Megablock, is not attributed to the Property.

- **Intermediate B Zone.** CVOC results from existing and recently installed Intermediate B Zone monitoring wells (MW-190, MW-303, MW-307, and MW-316) indicate that the extent of CVOCs has been determined to the west, north, and south of the Property. CVOC screening level exceedances in MW-309, MW-318 (Figure 10), and MW-322 are not bounded to the east, CVOC screening level exceedances in HMW-1IB are not bounded to the east or southeast, and CVOC data are lacking between Intermediate A Zone well MW-327 (below CVOC screening levels) and adjacent Deep Zone well MW-328 (exceeding the VC screening level).

- **Deep Zone.** CVOC results from existing and recently installed Deep Zone monitoring wells (MW-304 and MW-326) indicate that the extent of CVOCs has been determined to the west, north, and south of the Property. CVOC screening level exceedances in MW-319, MW-323, and MW-324 are not bounded to the east, and CVOC screening level exceedances in HMW-1D are not bounded to the southeast. Additionally, a deeper monitoring well is needed near MW-328 to investigate CVOC concentrations below the elevation of MW-328.

5.0 VAPOR INTRUSION TIER I EVALUATION

Site characterization under Ecology's vapor intrusion guidance (Ecology, 2016 and 2018) includes three steps: a preliminary assessment, a Tier I assessment, and a Tier II assessment. The preliminary assessment evaluates the types of chemicals at the Site and the locations of existing and potential future buildings to determine if buildings are close enough to potential sources to require further evaluation. If so, a Tier I assessment is conducted to collect shallow groundwater and/or soil vapor data that are compared to vapor intrusion screening levels. If a weight-of-evidence evaluation indicates the potential for unacceptable indoor air concentrations, a Tier II assessment is required that may include sampling of sub-slab soil vapor, indoor air, and ambient air.

Based on a preliminary assessment of the Property history, existing data, and surrounding properties (Figure 11), a Tier I assessment was initiated, consistent with the RI/FS work plan. To conduct this assessment, PES evaluated historical vadose zone soil data (including data from the perimeter injection wells and the Megablock site investigation), Site Shallow Zone groundwater data collected since 2017 (including the Megablock groundwater data collected in the first quarter of 2019), soil vapor data from SV01, SV02, and SV03, and the building construction and utilities on parcels surrounding the Property. PES compared existing data to the RI/FS Work Plan (PES, 2019d) screening levels. PES compared the vadose zone soil data to the RI soil screening levels (Section 5.1), Shallow Zone groundwater data to the MTCA Method B groundwater screening levels protective of indoor air (Section 5.2), and the soil vapor data to the MTCA Method B sub-slab soil vapor screening levels (Section 5.3). Additionally, groundwater concentration data were also compared to short-term TCE screening levels set forth in Ecology's Vapor Intrusion Implementation Memo #22 (Ecology, 2019).

Section 5.4 provides a discussion of the infrastructure on parcels surrounding the Property, and Section 5.5 summarizes the data gaps resulting from the assessment. Since Ecology's vapor intrusion guidance (Ecology, 2016) indicates that structures located farther than 100 feet of potential vapor sources (areas of detectable VOCs up to be the edge of contamination, which is defined to be an estimate of where VOC concentrations in shallow soil or groundwater decrease below the PQL) are not likely to be vapor intrusion risks, the following assessment was focused on determining the 100-foot limit from subsurface vapor sources (vadose zone soil, shallow groundwater, and soil vapor) and the adequacy of the current monitoring network. Based on the historical presence of CVOCs in Shallow Zone groundwater beneath the Property, PES placed the potential vapor intrusion risk limit no closer than 100 feet from the Property boundary. While Ecology states that the 100-foot rule is a good rule of thumb, there are limitations to the rule that may make investigation of buildings farther than 100 feet from potential vapor sources, including the presence of preferential pathways and high permeability fill. The need for investigation of buildings beyond the 100-foot rule will be evaluated based on the initial vapor investigation results and in consultation with Ecology.

5.1 Vadose Zone Soil Results

This section provides a summary of the analytical results for vadose zone soil samples collected outside of the Property. For the purpose of this assessment, the vadose zone was defined as the portion of the subsurface above the seasonal high groundwater elevations. Table 9 presents the

vadose zone soil data, and Figure 12 shows a comparison of the benzene and primary CVOC results to RI soil screening levels.

The primary constituents detected above their screening levels in vadose zone soil outside the Property were PCE, TCE, and benzene. PCE was detected in vadose zone soil above the soil screening level (0.025 mg/kg), with a maximum detection of 0.180 mg/kg in PRB-B2/PRB-D2 at 6 feet bgs. TCE was detected in vadose zone soil above the soil screening level (0.030 mg/kg), with a maximum detection of 0.0396 mg/kg in PRB-A3/PRB-C3 at 8 feet bgs. Benzene was detected in vadose zone soil above the soil screening level (0.030 mg/kg), with a maximum detection of 0.696 mg/kg (soil samples collected during utility work beneath 8th Avenue North; the locations of these samples are not shown on Figure 12).

PCE was detected in vadose zone soil samples above the screening level to the west in MW-302 (at 5 feet bgs), to the north in MW-190 (at 10 feet bgs), and to the east in W-MW-02 (at 9 feet bgs), in the perimeter injection wells (noted with the PRB prefix), and in soil samples collected beneath 8th Avenue. TCE was only detected in vadose zone soil above the screening level in PRB-A3/PRB-C3 (at 6 and 8 feet bgs). Benzene was detected in vadose zone soil samples above the screening level east of the Property in PRB-A9/PRB-C9 (at 3 feet bgs) and beneath 8th Avenue.

Petroleum hydrocarbons were detected above the RI screening levels in vadose zone soil from borings advanced in the asphalt-paved lot north of the building at 800 Aloha Avenue and in the alley east of that lot. The presence of those constituents is attributed to the Seattle Roy Aloha Shops (Cleanup Site ID 11216) site. PCE was also detected in vadose zone soil in MW-323, adjacent to 9th Avenue North. The presence of PCE in vadose zone soil at 10 feet bgs that far from the Property suggests that it is unlikely to be attributed to the Property.

5.2 Shallow Zone Groundwater Sampling Results 2017 through January 2020

This section provides a summary of the off-Property analytical results for Shallow Zone groundwater monitoring performed during the period from 2017 through January 2020. Table 5 provides the 2017 through 2020 results, and Figure 5 presents the 2019 and 2020 results.

During groundwater monitoring from 2017 through 2020, three CVOCs (PCE, TCE, and VC) were detected at least once above their respective vapor intrusion screening levels in seven Shallow Zone groundwater monitoring wells (MW-9, MW121, MW-154, MW-155, MW-159, MW-313, and R-MW6). As shown in Figure 2, these wells are located east, south, and southeast of the Property.

PCE was detected above the vapor intrusion screening level of 24 µg/L in three monitoring wells (MW-9, MW-154, and MW-155), with a maximum concentration of 157 µg/L. TCE was detected above the vapor intrusion screening level of 1.4 µg/L in four monitoring wells (MW-9, MW-154, MW-155, and R-MW6), with a maximum concentration of 45.2 µg/L. VC was detected above the vapor intrusion screening level of 0.35 µg/L in seven monitoring wells (MW-9, MW121, MW-154, MW-155, MW-159, MW-313, and R-MW6) at concentrations up to 43.9 µg/L. The highest concentrations of PCE and TCE were detected on April 26, 2019, in the sample collected from MW-9. PCE has only been detected in one other sample collected from

MW-9 at 1.58 µg/L. TCE has not been detected above the MDL in any other samples collected from MW-9. Other than the apparently anomalous April 26, 2019, MW-9 sample, the highest concentrations of PCE, TCE, and VC in Shallow Zone groundwater outside of the Property have been to the south and southeast of the Property.

Samples from two monitoring wells (MW-9 and MW-155) exceeded the residential short-term vapor intrusion screening level for TCE in groundwater of 8 µg/L. The April 26, 2019, sample from MW-9 exceeded the residential and non-residential short-term vapor intrusion screening level for TCE in groundwater of 8 µg/L and 31 µg/L, respectively. As discussed above, the concentration of TCE in all other samples collected from MW-9 have been below the MDL, including subsequent sampling July 16, 2019, and October 17, 2019 (the well was dry in January 2020). The only building currently within 100 feet of MW-155 is located at 800 Aloha Avenue; the building, which was formerly used as a maintenance facility for Seattle City Light vehicles and equipment, is currently not in use. Based on the lack of building use currently and the TCE concentrations in shallow groundwater, there is currently no short-term risk for indoor air exposure of TCE.

Benzene was detected above the vapor intrusion screening level in Shallow Zone monitoring wells SCL-MW101, SCL-MW105, and SCS-2. The presence of benzene in these wells is likely attributed to the Seattle Roy Aloha Shops at 800 Aloha Avenue (Cleanup Site ID 11216) site, since benzene concentrations were not detected above either the RI or vapor intrusion screening levels for groundwater near the Property.

5.3 Soil Vapor Results

Table 10 provides the analytical results for PCE, TCE, cDCE, tDCE, and VC in soil vapor samples collected from the three vapor monitoring probes (SV01, SV02, and SV03) installed in the sidewalk on the east side of 8th Avenue North (Figure 2). SES collected soil vapor samples five months prior to start-up of the ERH/SVE system at the Property in 2013 (SES, 2013). The soil vapor samples were collected in the vadose zone just above the groundwater capillary fringe at depths ranging from 11.75 to 12.75 feet bgs and analyzed for PCE, TCE, cDCE, tDCE, and VC. PCE was detected in all three soil vapor samples at concentrations varying from 1.5 to 4.6 micrograms per cubic meter ("µg/m^3"), well below Ecology's soil vapor screening level of 320 µg/m^3 for PCE. TCE was only detected in the SV03 soil vapor sample at a concentration of 0.39 µg/m^3, also below the soil vapor screening level of 11 µg/m^3 for TCE. VC and cDCE were only detected in the SV01 soil vapor sample at concentrations of 0.71 and 0.31 µg/m^3, respectively. The VC concentration in the SV01 sample was below the soil vapor screening level of 9.5 µg/m^3. There is no soil vapor screening level established for cDCE.

PES collected vapor samples from SV01 and SV02 in September 2018, and February, April, July, and November 2019. PES also collected vapor samples from SV01 in January 2020 and from SV03 in September 2018, and February and April 2019. Sampling of SV03 in July and November 2019 encountered intermittent water when purging and down-probe negative pressure that prevented collection of the sample. Attempts to purge the probe of water did not relieve the negative pressure, and samples were not collected. PES attempted to collect a vapor sample from SV02 in January 2020, but the probe screen was submerged and could not be cleared. All samples were submitted for analysis by EPA Method TO-15. PCE was detected in an anomalous

2018 duplicate sample from SV01; in September 2018, the primary SV01 result was below the reported detection limit of 2.72 µg/m^3 and the duplicate SV01 sample was detected at 137 µg/m^3. In the subsequent four vapor samples collected from SV01, PCE was only detected once at 2.75 µg/m^3 in November 2019. PCE was detected in vapor samples collected from SV02 in July and November 2019 at 31.3 and 14.5 µg/m^3, respectively. All detections of PCE were below Ecology's soil vapor screening level of 320 µg/m^3. TCE, cDCE, and VC were not detected in the vapor samples collected in 2018, 2019, or 2020.

5.4 Infrastructure on Surrounding Parcels

This section describes the parcels within 100 feet of the Property (see Figure 11), within 100 feet of soil samples above the RI/FS work plan soil screening levels, or within 100 feet of groundwater monitoring wells with VOC concentrations above the groundwater vapor intrusion screening levels. Figure 12 depicts the estimated 100-foot vapor intrusion risk boundary based on the discussions in Sections 5.1 through 5.3. Potential soil vapor sources not likely affiliated with the Property (e.g., the northern portion of the 800 Aloha Street parcel and the area near MW-323) were not used to determine the 100-foot vapor intrusion risk boundary. The infrastructure discussed in this section includes buildings, due to the potential for VOC exposure if VOCs were able to enter the buildings and accumulate; sewer alignments, based on their potential to serve as preferential pathways for vapor migration (Wisconsin Department of Natural Resources, 2013); and side sewers, due to the potential for soil vapor to enter buildings at the point of building penetration by the side sewer. The depth of the main sewer lines is described, since pipes close to or intersecting contaminated groundwater may be more likely to serve as preferential pathways for vapor migration. The potential for buried pipes to serve as preferential pathways for soil vapor transport is in part related to the permeability of the backfill around the sewer relative to the soil around the sewer alignment. The higher the permeability differential between the sewer backfill and the soil around the alignment, the more likely the sewer alignment could be a potential preferential pathway for soil vapor transport if contaminated soil vapor were present. It is likely that the material used as backfill around older pipes is similar in composition (and, therefore, permeability) to the fill or native soil around the pipes. For this reason, the age of the sewers is mentioned if known.

5.4.1 West of the Property

The block immediately west of the Property, across Dexter Avenue North, consists of three tax parcels, two of which front Dexter Avenue North: 701 Dexter Avenue North on the south and 717 Dexter Avenue North on the north. The 0.62-acre (27,127-square-foot) 701 Dexter Avenue North parcel contains an office building that was built in 1984. The building has an at-grade parking garage. The 0.33-acre (14,520-square-foot) 717 Dexter Avenue North parcel was developed as an apartment complex in 2015, with street level retail shops and two stories of sub-grade parking; the bottom depth of the parking garage is approximately 20 feet bgs. Both of the parcels adjacent to Dexter Avenue North are partially within the 100-foot vapor intrusion risk limit (Figure 12).

The King County main sewer line beneath Dexter Avenue North is located between elevations 43.65 and 43.30 feet, which is over 10 feet above groundwater in the area. The sewer line was installed in 1911 and slopes downward to the north. A side sewer exits the northeast corner of

the building at 701 Dexter Avenue North and connects to the main sewer line. Three side sewers exit the southeast corner, middle, and northeast corner of the building located at 717 Dexter Avenue North and connect to the main sewer line. The side sewer from the southeast corner connects to a drainage lateral within the footprint of the building.

5.4.2 North of the Property

The property immediately north of Valley Street consists of one tax parcel with a street address of 810 Dexter Avenue North. The 1.43-acre (62,250-square-foot) parcel occupies the entire block and was developed as an apartment complex in 2015, with street level retail shops and one floor of sub-grade parking. The portion of the 810 Dexter Avenue North parcel adjacent to Valley Street is within the 100-foot vapor intrusion risk limit (Figure 12). The bottom depth of the parking garage is approximately 10 feet bgs. The ground surface elevation decreases from approximately 60 feet along Dexter Avenue North, to approximately 40 feet along 8th Avenue North.

The King County main sewer line beneath Dexter Avenue North is located between elevations 43.30 and 42.00 feet, which is over 10 feet above groundwater in the area. The sewer line was installed in 1911 and slopes downward to the north. A side sewer exits the middle of the west side of the building located at 810 Dexter Avenue North and connects to the main sewer line. The Seattle Public Utilities ("SPU") combined main line beneath 8th Avenue North is between 30.40 and 26.60 feet elevation, sloping downward to the north. The SPU combined main line was installed in 1923. Numerous lateral lines along the length of the east side of the 810 Dexter Avenue North building are connected to the 8th Avenue North main line, including both side sewers and storm drain laterals. The depths of the side sewers and laterals are not known, but given their points of origin in the building, it is likely that they are less than 10 feet deep at the building end of the pipes.

5.4.3 East of the Property

Seattle City Light owns the property immediately east of 8th Avenue North, which consists of one tax parcel with a street address of 800 Aloha Street (formerly designated 800 Roy Street by SES). The 1.54-acre (67,025-square-foot) parcel occupies the entire west half of the block (i.e., west of the alley) and contains a one-story, masonry warehouse with a basement that was built in 1926 on the southern half of the property. The 27,756-square-foot basement is unfinished and 16 feet high (SES, 2013 and King County Assessor records). The building is currently unused but formerly served as a maintenance facility for Seattle City Light vehicles and equipment. An asphalt-paved lot with storage structures is located immediately to the north of the building, and a former parking lot currently hosting a tiny house village is located north of the storage lot. The southern two-thirds of the 800 Aloha Street parcel adjacent to 8th Avenue North is within the 100-foot vapor intrusion risk limit (Figure 12).

The SPU combined main line beneath 8th Avenue North is located between elevations 33.80 and 34.40 feet, which is less than 10 feet above groundwater in the area. The line was installed in 1923 and slopes downward to the north. Side sewers run from the southwestern and northwestern portion of the building at 800 Aloha Street to the main line. The depths of the side sewers and laterals are less than 10 feet deep, given the elevation of the combined main line. A

water line runs from 8th Avenue North to the southwestern portion of the building. The SPU combined line beneath the alley on the east side of 800 Aloha Street is located between elevations 25.00 and 23.00 feet, which is the approximate elevation of groundwater in the area. The line slopes downward to the north. The SPU combined line in the alley was installed in 1953. The south end of the combined line begins approximately 60 feet north of Roy Street, where two side sewers connect from the east side of the building at 800 Aloha Street.

The area between 9th Avenue North and the alley on the east side of 800 Aloha Street consists of four tax parcels with street addresses of 701 9th Avenue North, 711 9th Avenue North, 739 9th Avenue North, and 753 9th Avenue North. The four tax parcels are each occupied by one-story slab-on-grade buildings housing commercial businesses, with the 711 9th Avenue North parcel also housing an at-grade parking garage.

Two SPU side sewers run from the west side of the building at 711 9th Avenue North to the SPU combined main line beneath the alley. A side sewer runs from the west side of the building at 730 9th Avenue North to the main line beneath the alley, and an SPU drainage lateral for the alley is adjacent to the building. Other sewer and drainage laterals run east from the building to the main lines beneath 9th Avenue North. Historical building plans for 701-723 9th Avenue North show bathroom facilities located within the building (SES, 2013 and King County Assessor records), but the orientation or connection of the sewer laterals from the bathroom could not be determined.

5.4.4 South of the Property

The property immediately south of Roy Street consists of four tax parcels with street addresses of 816 Mercer Street, 714 Mercer Street, 702 Roy Street, and 801 Roy Street, collectively known as the Mercer Megablock. The four parcels total 1.45 acres (63,105 square feet), and all four parcels are currently vacant. Most of the portion of the Megablock adjacent to Roy Street is within the 100-foot vapor intrusion risk limit (Figure 12).

The SPU stormwater drainage main line beneath Roy Street begins in the eastern half of the 700 block and is between 42.86 feet elevation to the west and 27.72 feet elevation at 9th Avenue North, which is less than 10 feet above groundwater in the area. The SPU drainage main line was installed in 2014. A drainage lateral and two SPU drainage laterals connect from the 700 block of the property to the western portion of the main line along Roy Street. A side sewer runs from the northwestern portion of the property to the main line beneath Dexter Avenue North to the west of the vacant property. Large-diameter sewer lines constructed as part of the Denny Way Combined Sewer Overflow ("CSO") project lie beneath the south side of the Roy Street ROW. Besides the large-diameter pipelines, the major component of the project near the Property is the East Tunnel Portal/Drop Structure located just south of the intersection of Roy Street and 8th Avenue North. The approximately 70-foot-deep vertical shaft, which is still present, was used during construction of the Mercer Street Tunnel and the Lake Union and South Lake Union CSO pipelines.

In summary, buildings are located across the street from the Property to the west, north, and east, and sewer, drainage, or combined main lines (each with side sewer or drain connections) lie in the street ROW on the west, east, and south sides of the Property. Portions of all of this

infrastructure lie within the 100-foot vapor intrusion risk limit. Most of the sewer and combined main lines are quite old, so it is likely that the material used as backfill around the pipes is similar in composition (and, therefore, permeability) to the fill or native soil around the pipes, lessening the risk of these alignments being potential preferred pathways for contaminant transport. Based on the age of the sewer main beneath Dexter Avenue North and its distance above groundwater, that main line is not considered to be a potential preferential vapor transport pathway. Due to the age of the combined main beneath 8th Avenue North and its location above groundwater, it is not considered to be a potential preferential vapor transport pathway. The drainage line beneath Roy Street is not considered to be a potential preferential vapor transport pathway due to its location above groundwater. Although the side sewer lines draining into the sewer or combined mains are not likely to be potential preferential vapor transport pathways (due to their age and likely fill with material that is not more permeable than the surrounding fill), the quality of the pipe seals at the wall penetrations is unknown, so the wall penetrations may be potential preferential vapor transport pathways if soil vapor with VOCs is present in the area.

5.5 Vapor Intrusion Data Gaps

As noted in the previous sections, the Tier I vapor intrusion assessment was focused on determining the 100-foot boundary from subsurface vapor sources (vadose zone soil, shallow groundwater, and soil vapor) and the adequacy of the current monitoring network to determine the potential for vapor intrusion risks. Figure 12 provides the results of the review, including the locations where vadose zone soil exceeds the RI soil screening levels and shallow groundwater exceeds the MTCA Method B groundwater screening levels protective of indoor air. Figure 12 also shows the 100-foot boundary from these potential subsurface vapor sources. As seen on Figure 12, on all four sides of the Property, there are buildings or the potential for future buildings that lie within the 100-foot limit, indicating the potential for soil vapor intrusion risks. Currently, soil vapor probes to monitor the potential risks exist at only three locations on the east side of 8th Avenue North. Following is a summary of additional areas for soil vapor monitoring points to fill data gaps:

1. **West of the Property.** Although groundwater CVOCs in Shallow Zone monitoring well RW-5 are below the MTCA Method B groundwater screening levels protective of indoor air, one vadose zone soil sample in MW-302 was above the RI soil screening levels. Additionally, the Property boundary is within 100 feet of the buildings on the west side of Dexter Avenue North, side sewer lines penetrate the buildings at 701 Dexter Avenue North, 717 Dexter Avenue North, and the building at 717 Dexter Avenue North has two floors of subgrade parking (Figure 9). Based on these conditions, the lack of soil vapor samples west of the Property and near side sewer lines represents a data gap.

2. **North of the Property.** Although groundwater CVOCs in Shallow Zone monitoring well MW-125 are below the MTCA Method B groundwater screening levels protective of indoor air, CVOC concentrations in MW-9 have periodically exceeded the MTCA Method B groundwater screening levels protective of indoor air , and one vadose zone soil sample in MW-190 was above the RI soil screening levels. Additionally, the southern boundary of the 810 Dexter Avenue North building, which has one floor of subgrade parking (Figure 9), is within 100 feet of the Property boundary. Based on these conditions, the lack of soil vapor samples north of the Property represents a data gap.

3. **East of the Property.** Although the CVOC concentrations in vadose zone soil samples collected in borings on the east side of 8th Avenue North did not exceed the RI soil screening levels, and soil vapor samples collected to date from SV01, SV02, and SV03 have not exceeded the MTCA Method B sub-slab soil vapor screening levels, CVOC concentrations in MW-9, MW121, and MW-159 have exceeded the MTCA Method B groundwater screening levels protective of indoor air. Additionally, the western boundary of the 800 Aloha Street building is within 100 feet of the Property boundary, and CVOC concentrations in vadose zone soil samples collected in borings on the west side of 8th Avenue North did exceed the RI soil screening levels. As shown on Figure 9, two side sewer lines penetrate the west side of the 800 Aloha Street building, which has a basement. None of the existing soil vapor probes are located near the two side sewer lines. Based on these conditions and the state of vapor probe SV03, the current vapor probe network is inadequate to fully monitor the conditions east of the Property.

4. **South of the Property.** The CVOC concentrations in vadose zone soil samples collected in borings on the north and south side of Roy Street did not exceed the RI soil screening levels. The CVOC concentrations in MW-154 and MW-155, however, have exceeded the MTCA Method B groundwater screening levels protective of indoor air, and a portion of the Megablock adjacent to Roy Street is within the 100-foot vapor intrusion risk limit. Based on these conditions, the lack of soil vapor samples south of the Property represents a data gap.

5. **South End of the Alley Between 8th and 9th Avenues North.** Based on the MW-313 vinyl chloride exceedances of the MTCA Method B groundwater screening levels protective of indoor air, the lack of vapor probe samples in the area, including on the south side of the 800 Aloha Street building and east side of the 701 9th Avenue North building, represents a data gap.

6.0 ADDITIONAL PROPOSED INVESTIGATIONS

This section discusses the proposed additional RI scope of work, including the vapor intrusion assessment and additional investigations to characterize soil and groundwater. Field and laboratory procedures are discussed in the Sampling and Analysis Plan ("SAP") provided in Appendix F of the Final RI/FS Work Plan (PES, 2019d). The quality assurance and quality control ("QA/QC") procedures discussed in the Interim Action Work Plan Quality Assurance Project Plan ("QAPP"; PES, 2018) will be used. The Interim Action Work Plan Health and Safety Plan ("HASP"; PES, 2018) will be used for the additional investigations.

6.1 Objectives of the Additional Investigations

The investigation objectives will be to collect sufficient data to fill the off-Property vapor intrusion pathway data gaps, determine the nature and extent of contamination in off-Property soil and groundwater, and provide additional information to assist in the selection of a cleanup action.

6.2 Investigation Approach

6.2.1 Soil and Groundwater Investigation

The approach to complete the RI soil and groundwater characterization will be to install, sample, and monitor additional wells in areas where the extent of CVOCs above the groundwater screening levels off-Property has not been fully determined. If investigation results received during implementation of this proposed scope of work indicate that the extent of CVOCs in groundwater off-Property has not been determined, PES will develop a second addendum to the work plan to describe the proposed additional scope of work, and will submit it to Ecology for review and approval.

6.2.2 Vapor Intrusion Investigation

The approach to complete the off-Property vapor intrusion assessment will be to: (1) install additional soil vapor probes adjacent to the buildings/properties where vapor intrusion could potentially impact current or future indoor air at unacceptable levels; (2) position the soil vapor probes near side sewers, if present, and at two depths at each location to capture the full thickness of the vadose zone; (3) collect soil samples from the vapor probe borings and soil vapor samples from the vapor probes; (4) compare quarterly shallow groundwater and soil vapor data to Ecology's vapor intrusion screening levels; (5) analyze all samples for primary constituents handled at the Property (primarily CVOCs); (6) use existing soil vapor monitoring points where possible for continued monitoring; and (7) coordinate vapor intrusion monitoring events with RI and interim action performance monitoring to the extent possible.

The 100-foot limit was estimated based on the estimated edge of CVOCs above the screening levels, which are higher than the laboratory PQLs. If investigation results received during implementation of the proposed off-Property vapor intrusion assessment scope of work indicate that further work is required to meet the vapor intrusion assessment objectives or resolve data gaps (i.e., additional vapor probes near buildings or sewer alignments, sub slab vapor sampling, indoor air and ambient air sampling, or evaluation of additional buildings beyond the 100-foot

limit that has been determined relative to the screening levels), PES will develop a second addendum to the work plan to describe the proposed additional scope of work and will submit it to Ecology for review and approval.

6.3 Additional Soil and Groundwater Investigations

Following is a summary of the scope of work that BMRD will implement to further investigate off-Property Site soil and groundwater. Table 11 summarizes which exploration locations will be used to address each data gap, the rationale for each monitoring well location, the planned depth of the exploration, and the planned parameters to be analyzed. Figure 13 shows the Site-wide locations of the existing and proposed monitoring wells.

6.3.1 Monitoring Well Installation and Development

Shallow Zone. PES will install three Shallow Zone monitoring wells (MW-332, MW-337, and MW-339) at the Site. MW-332 will be installed near the intersection of 9th Avenue North and Roy Street to investigate the extent of CVOCs east of MW-313. MW-313 has had detections of VC concentrations above the screening level in the last two quarters of groundwater monitoring. MW-337 and MW-339 will be installed near the southern extent of Lake Union to monitor CVOCs, and will provide additional groundwater elevations to confirm shallow groundwater flow near Lake Union.

Intermediate A Zone. PES will install three Intermediate A Zone monitoring wells (MW-330, MW-331, and MW-333) at the Site. MW-330 will be installed northwest of MW-189 to investigate extent of cDCE and VC in groundwater and CVOCs in soil north of the Property. MW-331 will be installed in the alley to investigate the extent of CVOCs north of MW-308, which has had detections of cDCE and VC concentrations above the screening levels in groundwater. MW-333 is located east of 9th Avenue North to investigate the extent of CVOCs in the Intermediate A Zone east of MW115, which has had groundwater detections of VC above the screening level.

Intermediate B Zone. PES will install four Intermediate B Zone wells (MW-334, MW-335, MW-338, and MW-340) to investigate the extent of CVOCs at the Site. MW-334 will be installed east of MW-322 to investigate the extent of CVOCs east of the 9th Avenue North. MW-335 will be installed along the north side of Mercer Street between 9th Avenue North and Westlake Avenue North to investigate CVOCs southeast of HMW-1IB, which was installed on the eastern extent of the Mercer Megablock. MW-338 and MW-340 will be installed near the southern extent of Lake Union to investigate the extent of CVOC screening level exceedances in MW-318 and MW-322. Data from these wells will also help refine the understanding of horizontal and vertical groundwater flow near the lake.

Deep Zone. PES plans to install four Deep Zone wells (MW-336, MW-341, MW-342, and MW-343) to investigate the vertical and lateral extent of CVOCs at the Site. MW-336 will be installed along the north side of Mercer Street to investigate the extent of CVOCs exceeding screening levels southeast of FMW-129 and HMW-1D. MW-341 will be installed near the southern extent of Lake Union to investigate the vertical extent of CVOCs exceeding the screening levels beneath MW-328 and help refine the understanding of horizontal and vertical

groundwater flow near the lake. MW-342 and MW-343 will be installed in the southern ROW of Valley Street, east of MW128 and MW-329, to investigate the eastern extent of CVOCs at the Site.

The wells will be completed and developed consistent with the Final RI/FS Work Plan (PES, 2019d). In general, the wells will be completed with 2-inch Schedule 40 PVC casing and 10-foot-long screens with a sand filter pack and bentonite well seal. All newly installed wells will be developed by surging the entire screen length and pumping until the color of the discharge does not change and the purge water is under 100 NTUs.

6.3.2 Soil Sampling and Analysis

The well borings will be drilled and sampled using a sonic drilling rig, with soil samples collected continuously while drilling the borings. The soil samples will be used for lithologic identification, field screening for evidence of contamination, and soil sample collection for laboratory analysis. Table 11 provides the approximate total drilling depths for the well borings and the approximate number of soil samples to be collected during drilling. In general, soil samples will be collected approximately every 5 feet for laboratory analysis of VOCs by EPA Method 8260B. Additional sampling procedure details can be found in the SAP (Appendix F) in the Final RI/FS Work Plan (PES, 2019d)

6.3.3 Hydraulic Conductivity Testing

BMRD will submit selected soil samples from monitoring well borings for laboratory analysis of grain size. If a sufficiently thick layer of fine-grained soil (sandy silt or finer) is encountered, at least one undisturbed soil sample will be collected for laboratory analysis of vertical hydraulic conductivity.

Rising head slug tests will be conducted in up to five monitoring wells. The wells will be selected after the new wells have been installed, developed, and sampled for the first time. The wells will be selected to complement the previous slug tests and provide analyses in representative areas around the Site and in wells with different lithologies, if possible.

6.3.4 Groundwater Monitoring

6.3.4.1 Locations

The proposed monitoring wells will be added to the monitoring well network to be used to evaluate groundwater quality at the Site. Groundwater quality samples will be collected from each of the new monitoring wells during the quarterly sampling events.

6.3.4.2 Sampling Methods

For the new monitoring wells, groundwater samples will be collected with a peristaltic pump for wells with water levels less than 20 feet bgs and with a bladder pump for wells with water levels deeper than 20 feet bgs. Low-flow sampling methods will be used to purge the wells and collect the samples. The details of the sampling procedures can be found in the SAP.

6.3.4.3 Laboratory Analyses

All groundwater samples collected from the new monitoring wells will be analyzed for VOCs, and groundwater samples collected from wells located near historical petroleum hydrocarbon sources (generally near the northern part of the Property) will also be analyzed for GRO. Groundwater samples collected from a select number of wells to represent the geochemical conditions throughout the plume will also be submitted for laboratory analysis of geochemical parameters. The wells will be analyzed consistent with the details presented in SAP and QAPP located in the Final RI/FS Work Plan (PES, 2019d).

6.4 Additional Vapor Intrusion Investigations

Following is a summary of the scope of work that PES will implement on behalf of BMRD. The proposed vapor intrusion assessment will include vapor probe installation, soil sampling and analysis, and soil vapor sampling and analysis. Groundwater level measurement and groundwater sampling and analysis will be conducted as part of the RI scope of work (PES, 2019d).

6.4.1 Soil Vapor Probe Drilling and Soil Sampling

Twenty-six soil vapor probes will be drilled and installed outside of the Property (Figure 13). Soil vapor probes will be located in public ROWs to minimize the need for private access agreements. Vapor probes will be installed to create pairs of probes at each location at depths of roughly 5 feet bgs and just above the groundwater capillary fringe. Vapor probes will be installed at fourteen locations throughout the Site (Table 12):

- **West Side of Dexter Avenue North.** Four vapor probes to assess soil vapor quality near 701 Dexter Avenue North and 717 Dexter Avenue North. Both probe locations are within 100 feet of the Property and are within 100 feet of VOCs above the screening level (in soil at MW-302). Both probe locations are next to side sewer lines entering the buildings, which will assist in determining if these sewer lines could act as a vapor intrusion pathway into the700 Dexter Avenue North building;
- **North Side of Valley Street.** Four vapor probes to assess soil vapor quality near 810 Dexter Avenue North and within 100 feet of the Property, and VOCs above the screening level in soil at MW-190 and groundwater at MW-9;
- **South Side of Roy Street.** Four vapor probes to assess soil vapor quality near 816 Mercer Street, 714 Mercer Street, 702 Roy Street, and 801 Roy Street and within 100 feet of the Property, and VOCs above the screening level in groundwater at MW-154 and MW-155;
- **East Side of 8th Avenue North.** Six vapor probes (in addition to existing vapor probes SV01 and SV02) to assess soil vapor quality near 800 Aloha Avenue. All probes will be within 100 feet of the Property, within 100 feet of VOCs above the screening level in groundwater at MW-9, MW121, and MW-159, and within 100 feet of soil from PRB wells and beneath 8th Avenue North containing VOCs above the screening levels. To assist in determining if side sewer lines from the building could act as vapor intrusion pathways into the building, SV03 will be replaced with two

new probes located next to a side sewer line entering the building, and the northernmost pair of new probes will be installed located next to a side sewer line entering the building. One probe each will be added near SV01 and SV02 to create pairs of probes at those locations;

- **South of 800 Aloha Avenue North.** Two vapor probes to assess soil vapor quality near 800 Aloha Avenue and within 100 feet of VOCs above the screening level in groundwater at MW-155 and MW-313;
- **Alleyway East of 800 Aloha Avenue North.** Four vapor probes to assess soil vapor quality near 701 9th Avenue North and 711 9th Avenue North, and VOCs above the screening level in groundwater at MW-313; and
- **East of 701 9th Avenue North.** Two vapor probes to assess soil vapor quality near 701 9th Avenue North.

If any probe cannot be installed in the planned location (e.g., due to the presence of subsurface utilities), PES will attempt to install it as close to the planned location as possible. If that is not possible, PES will confer with Ecology about alternate locations and timing of the replacement well installation.

The vapor probe borings will be drilled and sampled using a direct-push drill rig, with soil samples collected continuously during drilling. The soil samples will be used for lithologic identification, field screening for evidence of contamination, and soil sample collection for laboratory analysis. Soil samples will be collected for laboratory analysis, at a minimum, from soil retrieved from the planned depth of the vapor probe. All soil samples will be collected consistent with EPA Method 5035 and submitted to the laboratory for VOC analysis using EPA Method 8260.

The vapor probes will be constructed of Teflon, Nylon, PEEK, or HDPE tubing with a 6-inch stainless-steel screen within a sand filter pack. Each vapor probe screen will be installed in its own direct-push boring. The annular space above the filter pack will be filled with hydrated bentonite. The vapor probes will include a valve and will be completed at the surface with 6-inch monuments set in concrete. SV03 will be decommissioned, and a replacement probe will be installed in a nearby location.

Prior to any work in the ROW, PES will apply for and procure any necessary permits and coordinate the schedule of work as described in the RI/FS Work Plan (PES, 2019d).

Details of the soil sampling procedures and laboratory analyses are provided in the SAP (Appendix F) of the Final RI/FS Work Plan (PES, 2019d).

6.4.2 Soil Vapor Sampling

The sampling methods use equipment and procedures to ensure that the sample collected is representative of soil vapor at the monitored location. Soil vapor samples will be collected using the following procedures:

1. Perform a shut-in test for leaks in above-ground sampling equipment (flow controller, pressure gauge, sampling manifold and fittings). PES will apply a vacuum to the equipment (using a syringe or peristaltic pump) and confirm the sampling equipment does not lose more than one inch of Mercury (Hg) per minute. If a leak is identified, the fittings will be re-tightened and the shut-in test repeated;
2. Calculate the purge volume based on the casing inside diameter and length, and the sand pack and dry bentonite pore volumes. Approximately three pore volumes will be purged at a rate below 200 milliliters per minute ("mL/min") using either a peristaltic pump, syringe, or a field meter pump;
3. Monitor biodegradation parameters (oxygen, carbon dioxide, and methane) and VOCs using field gas meters during the purging;
4. Install a plastic shroud sealed at the surface with a weighted chain or sand-filled hose;
5. Perform leak testing during purging and sampling using an inert tracer gas (ultra-high purity helium) and a field helium gas meter. The helium will be maintained at a concentration of approximately 20 percent within the shroud. If helium is detected during purging at a concentration greater than 10 percent of the shroud concentration, the vapor probe surface will be re-sealed with quick-setting concrete, allowed to set for 20 minutes, and the leak test repeated; and
6. Collect soil vapor samples in laboratory provided batch-certified summa canisters. The samples will be collected at 200 mL/min. The canister valve will be closed while the canister remains under negative pressure.

The soil vapor samples collected will be submitted to Pace Analytical for analysis of VOCs using EPA Method TO-15. The Final RI/FS Work Plan SAP (PES, 2019d) presents the analytical methods, and the IAWP QAPP (PES, 2018) provides the QA/QC procedures.

7.0 DATA EVALUATION, REPORTING, AND SCHEDULE

Data evaluation and reporting for the groundwater and soil results will be incorporated into evaluation and reporting of the Site-wide RI data. The soil lithologies encountered will be used to update the Site cross sections, the groundwater elevations will be used to prepare groundwater elevation contour maps for each water-bearing zone, the soil and groundwater analytical data will be used to update the depictions of the extent of contamination at the Site, and all of the data will be used to update the conceptual site model. The groundwater elevations and analytical data will be included in quarterly reports to Ecology.

Field work will be conducted as soon as possible after work plan approval by Ecology. Periodic soil vapor sampling and groundwater monitoring will be conducted in conjunction with the current quarterly groundwater monitoring schedule.

8.0 REFERENCES

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TABLES

Table 1

Monitoring Well Completion Details
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Description of Location	Log?	Surveyed?	Well Tag	Dates Drilled	Easting	Northing	Last Surveyed	Depth		Elevation			Well Screen				Well Dia	Drill Rig	Casing Depth
									Total (ft bgs)	Well (ft bgs)	Ground (ft)	Monument (ft)	TOC (ft)	Depth		Elevation		(in)	Type	(ft bgs)
														Top	Bottom	Top	Bottom			
Shallow Zone Wells																				
MW121 (B121)	In the east sidewalk of the 8th Avenue ROW east of the Property	Y	Yes	BID-016	12/16/13	1,268,598.04	232,091.86	Dec 2013	26.5	25	–	–	41.72	15.0	25.0	26.7	16.7	2	HSA	–
MW125 (B125)	In the Valley Street ROW north of the Property	Y	Yes	BID-020	12/20/13	1,268,598.04	232,091.86	Dec 2013	31.5	30	–	–	43.55	15.0	30.0	28.6	13.6	2	HSA	–
MW-154	South side of the Roy St ROW, near MW106	N	Yes	BKF-350	03/30/18	1,268,485.83	231,733.87	Apr 2018	35	35	53.05	53.07	52.57	25.0	35.0	28.1	18.1	2	HSA	–
MW-155	South side of the Roy St ROW, near MW105	N	Yes	BKF-354	04/10/18	1,268,721.17	231,733.31	Apr 2018	30	30	44.39	44.44	44.05	20.0	30.0	24.4	14.4	2	HSA	–
MW-159	East side of 8th Ave N, near SV02	Y	Yes	BKF-358	04/16/18	1,268,680.42	231,910.30	Apr 2018	31	31	43.25	43.28	42.79	20.4	30.4	22.9	12.9	2	HSA	–
MW-214	Valley Street ROW, north of Block 37	N	Yes	NA	–	1,269,388.42	231,861.09	May 2017	–	17	27.81	27.87	27.32	7.0	17.0	20.8	10.8	2	–	–
MW-301	In the southern Valley Street sidewalk, north of the Property	Y	Yes	BLR-795	9/20/2010	1,268,438.37	232,058.67	Nov 2019	30	28.42	53.84	53.84	53.54	18.25	28.25	35.6	25.6	2	Sonic	–
MW-305	Sidewalk W of Dexter Avenue North, S of Roy Street	Y	Yes	BMF-579	10/3/2019	1,268,248.04	231,758.02	Nov 2019	35	33.01	60.23	60.27	59.86	22.84	32.84	37.4	27.4	–	–	–
MW-310	Alley east of 800 Aloha Street parcel, near MW108	Y	Yes	BMF-590	9/17/2019	1,268,804.70	232,047.86	Nov 2019	25	23.92	32.90	32.93	32.48	13.75	23.75	19.2	9.2	2	Sonic	–
MW-312	Alley east of 800 Aloha Street parcel, near MW103	Y	Yes	BMF-589	9/17/2019	1,268,807.34	231,926.26	Nov 2019	25	25.92	35.63	35.66	34.99	15.75	25.75	19.9	9.9	2	Sonic	–
MW-313	Alley east of 800 Aloha Street parcel, near MW110	Y	Yes	BMF-586	9/12/2010	1,268,808.11	231,817.18	Nov 2019	30	29.62	39.81	39.84	39.53	19.45	29.45	20.4	10.4	2	Sonic	–
MW-320	Sidewalk on W side of 9th Avenue North, near MW113	Y	Yes	BLR-800	10/1/2019	1,268,936.05	231,911.09	Nov 2019	30	25.67	34.10	34.13	33.57	15.5	25.5	18.6	8.6	2	Sonic	–
MW-8	Northern portion of SCL property	N	TOC Elev	NA	–	–	–		19	19	–	–	33.19	4.5	19.0	28.7	14.2	2	–	–
MW-9	8th Avenue North ROW, east of Property	N	TOC Elev	NA	–	1268673.31	232099.67	Nov 2019	22	22	41.05	41.05	40.74	7.0	22.0	34.1	19.1	2	–	–
R-MW5	Bike Lane in Dexter Avenue, west of Property	Y	Yes	NA	10/27/92	1,268,352.05	231,915.02	Nov 2019	30	30	57.35	57.28	57.01	15.0	30.0	42.4	27.4	2	HSA	–
R-MW6	Sidewalk, Southeast of Property	Y	Yes	NA	10/27/92	1,268,622.13	231,825.18	Dec 2013	22	22	–	45.51	45.28	12.0	22.0	33.3	23.3	2	HSA	–
SCL-MW101	Alley east of 800 Aloha Street parcel	N	TOC Elev	NA	06/01/02	1268818.93	232188.81	Nov 2019	–	15	30.48	30.48	30.02	5.0	15.0	25.5	15.5	2	–	–
SCL-MW105	Alley east of 800 Aloha Street parcel	N	TOC Elev	NA	06/01/02	1268821.22	232236.18	Nov 2019	–	30	31.07	31.08	30.77	20.0	30.0	11.1	1.1	2	–	–
SCS-2	SCL property	N	TOC Elev	ABV-825	–	–	–	–	–	21	–	–	39.16	11.0	21.0	28.2	18.2	4	–	–
SMW-3	Valley Street ROW, north of Block 37	N	Yes	NA	–	1,269,463.18	231,959.15	May 2017	–	20	27.09	27.17	26.57	10.0	20.0	17.1	7.1	2	–	–
DMW–1S	Mercer Megablock- 615 Dexter	Y	Yes	–	3/5/2019	1,268,247.25	231,651.70	–	31	30	56.06	–	55.76	20.0	30.0	36.0	26.0	2	HSA	31
HMW–1S	Mercer Megablock- NE Corner	Y	Yes	–	3/6/2019	1,268,869.83	231,663.45	–	31.5	30.2	36.23	–	35.77	20.0	30.0	15.8	5.8	2	HSA	30.2
HMW–2S	Mercer Megablock- Center of Site	Y	Yes	BLR-924	3/13/2019	1,268,696.61	231,659.61	–	30	29.8	47.62	–	47.32	19.8	29.8	27.5	17.5	2	HSA	29.8
FMW-132	Block 38- north end	Y	TOC Elev	–	8/24/2018	–	–	–	10	10	–	–	25.48	5.0	10.0	20.5	15.5	2	HSA	–
FMW-133	Block 38- north end	Y	TOC Elev	–	8/24/2018	–	–	–	26.5	11.5	–	–	24.87	6.5	11.5	18.8	13.8	2	HSA	–
FMW-134	Block 38- SW corner	Y	TOC Elev	–	8/24/2018	–	–	–	20	17	–	–	24.98	12.0	17.0	13.4	8.4	2	HSA	–
FMW-135	Block 38- north end	Y	TOC Elev	–	8/24/2018	–	–	–	51.5	12	–	–	25.29	7.0	12.0	18.6	13.6	2	HSA	–
FMW-143	9th Avenue North ROW, east side across from MW-322	Y	Yes	BLW-340	7/24/2019	1,268,991.70	231,901.40	Nov 2019	30	28	32.99	33.03	32.69	23.0	28.0	10.0	5.0	2	Sonic	–
Intermediate A Zone Wells																				
BB-8	Roy Street ROW, southeast of the Property	Y	Yes	NA	6/6/97	1,268,704.64	231,761.74	Nov 2019	78.5	40	44	44.01	43.64	30.0	40.0	14.0	4.0	2	HSA	–
GEI-1	Block 37	Y	Yes	NA	4/16/14	1,269,362.77	231,828.18	–	81.5	26.8	–	–	27.95	26.8	36.8	1.2	-8.9	2	HSA	–
GEI-MW-1	739 9th Avenue North	Y	TOC Elev	BIJ-490	8/22/14	–	–	–	61.5	59.9	–	–	30.10	39.8	59.8	-9.7	-29.7	2	HSA	–
GEI-MW-2	739 9th Avenue North	Y	TOC Elev	BIJ-492	8/23/14	–	–	–	60	37.1	–	–	31.00	27.0	37.0	4.0	-6.0	2	HSA	–
GEI-MW-3	739 9th Avenue North	Y	TOC Elev	BIJ-491	8/23/14	–	–	–	65.5	59.5	–	–	30.75	49.4	59.4	-18.7	-28.7	2	HSA	–
MW107 (B107)	8th Avenue North ROW, east of Property	Y	Yes	BHS-773	12/3/12	1,268,625.93	231,885.46	Dec 2013	45.5	45	–	44.2	43.82	35.0	45.0	8.8	-1.2	2	HSA	–
MW108 (B108)	Alley east of 800 Aloha Street parcel	Y	Yes	BHS-765	12/14/12	1,268,805.44	232,044.39	Dec 2013	50.5	50	–	33.15	32.78	40.0	50.0	-7.2	-17.2	2	HSA	–
MW109 (B109)	Alley east of 800 Aloha Street parcel	Y	Yes	BHS-771	12/4/12	1,268,808.01	231,942.36	Dec 2019	45.5	45	35.53	35.54	34.87	35.0	45.0	0.0	-10.0	2	HSA	–
MW110 (B110)	Alley east of 800 Aloha Street parcel	Y	Yes	BHS-772	12/4/12	1,268,806.34	231,814.34	Dec 2013	45.5	45	–	40.04	39.67	35.0	45.0	4.7	-5.3	2	HSA	–
MW114 (B114)	SDOT property south of Roy Street	Y	Yes	BHS-768	12/10/12	1,268,537.67	231,656.12	Dec 2013	45.5	45	–	46.38	45.84	35.0	45.0	10.8	0.8	2	HSA	–
MW115 (B115)	9th Avenue North ROW, east of the Property	Y	Yes	BHS-766	12/13/12	1,268,948.67	231,824.86	May 2017	46	45	34.44	34.48	34.10	35.0	45.0	-0.6	-10.6	2	HSA	–
MW116 (B116)	9th Avenue North ROW, east of the Property	Y	Yes	BHS-769	12/7/12	1,268,952.65	232,006.18	May 2017	46.5	45	31.92	31.96	31.34	35.0	45.0	-3.1	-13.1	2	HSA	–
MW117 (B117)	Eastern sidewalk of the Dexter Avenue ROW, south of the Property	Y	Yes	BHS-885	2/4/13	1,268,343.66	231,643.72	–	55.5	55	–	–	56.90	40.0	55.0	16.9	1.9	2	HSA	–
MW118 (B118)	Mercer Street ROW, south of the Property	Y	Yes	BIC-079	3/21/13	1,268,503.40	231,491.37	–	55.5	50	–	–	52.91	40.0	50.0	12.9	2.9	2	HSA	–
MW119 (B119)	9th Avenue North ROW, southeast of the Property	Y	Yes	BIC-080	3/21/13	1,268,924.29	231,652.18	May 2017	46	45	37.74	37.75	37.42	35.0	45.0	2.7	-7.3	2	HSA	–
MW120 (B120)	8th Avenue ROW, northeast of the Property	Y	Yes	BID-015	12/16/13	1,268,675.20	232,145.41	Dec 2019	50.5	50	40.67	40.64	39.94	40.0	50.0	0.0	-10.0	2	HSA	–
MW127 (B127)	8th Avenue ROE northeast of the Property	Y	Yes	BID-022	12/31/13	1,268,689.96	232,261.39	Dec 2013	50.5	50	–	39.42	39.04	40.0	50.0	-1.0	-11.0	2	HSA	–
MW-142	8th Ave N ROW, near MW121	Y	Yes	BKF-356	4/12/18	1,268,681.79	231,977.91	Apr 2018	51.0	50	42.44	42.43	42.12	40.0	50.0	2.4	-7.6	2	HSA	–
MW-144	East side of 8th Ave N ROW, north of Roy Street	N	Yes	BKF-355	4/18/18	1,268,680.09	231,857.59	Apr 2018	50.0	50	43.87	43.88	43.50	40.0	50.0	3.9	-6.1	2	HSA	–

Table 1

Monitoring Well Completion Details
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Description of Location	Log?	Surveyed?	Well Tag	Dates Drilled	Easting	Northing	Last Surveyed	Depth		Elevation			Well Screen				Well Dia (in)	Drill Rig Type	Casing Depth (ft bgs)
									Total (ft bgs)	Well (ft bgs)	Ground (ft)	Monument (ft)	TOC (ft)	Depth		Elevation				
														Top	Bottom	Top	Bottom			
MW-144R	East side of 8th Ave N ROW, north of Roy Street	N	Yes	BME-511	11/26/19	1,268,670.40	231,865.37	Dec 2019	50.0	50	42.85	42.87	42.46	40.1	50.1	2.8	-7.3	2	Sonic	–
MW-146	South side of Roy Street ROW, near MW106	N	Yes	BKF-349	3/30/18	1,268,493.78	231,733.61	Apr 2018	50.0	51	52.74	52.77	52.34	39.8	49.8	12.9	2.9	2	HSA	–
MW-156	East side of 8th Ave N, near MW-9	N	Yes	BKF-359	4/16/18	1,268,683.09	232,036.58	Apr 2018	51.0	50	41.64	41.7	41.24	39.6	49.6	2.0	-8.0	2	HSA	–
MW-189	In the southern Valley Street sidewalk, north of the Property	Y	Yes	BLR-796	9/23/19	1,268,529.21	232,057.30	Nov 2019	58.0	59	47.66	47.65	47.33	48.8	58.8	-1.2	-11.2	2	Sonic	–
MW-302	In the Dexter Ave N ROW, west of the southwest Property quadrant	Y	Yes	BMF-578	10/1/19	1,268,350.87	231,904.80	Nov 2019	65.0	64.4	57.30	57.26	57.03	54.3	64.3	3.0	-7.0	2	Sonic	–
MW-306	Sidewalk W of Dexter Avenue North, S of Roy Street	Y	Yes	BMF-577	9/30/19	1,268,252.64	231,757.55	Nov 2019	55.0	53	59.90	59.89	59.48	42.8	52.8	17.2	7.2	2	Sonic	–
MW-308	Alley east of 800 Aloha Street parcel, near MW122	Y	Yes	BMF-576	9/20/19	1,268,812.03	232,140.04	Nov 2019	45.4	45	30.42	30.42	30.15	35.1	45.1	-4.7	-14.7	2	Sonic	–
MW-315	Sidewalk on N side of Mercer St, midway between Dexter and 9th	Y	Yes	BMF-570	9/10/19-/9/11/19	1,268,645.49	231,538.56	Nov 2019	48.0	48	49.67	49.65	49.18	37.5	47.4	12.2	2.3	2	Sonic	–
MW-317	Sidewalk on W side of 9th Avenue North, north of MW116	Y	Yes	BLR-798	9/25/19	1,268,941.64	232,085.35	Nov 2019	38.4	38.4	31.61	31.63	31.35	28.2	38.2	3.4	-6.6	2	Sonic	–
MW-325	Sidewalk on N side of Mercer St, just west of 9th Avenue North	Y	Yes	BMF-585	9/9/19-9/11/19	1,268,885.15	231,552.84	Nov 2019	44.0	44.7	41.51	41.51	40.90	34.5	44.5	7.0	-3.0	2	Sonic	–
MW-327	S Lake Union Park N of Valley Street/Westlake Ave N intersection	Y	Yes	BMF-573	9/17/19	1,269,261.46	232,014.22	Nov 2019	35.0	35	28.42	28.52	28.15	24.8	34.8	3.6	-6.3	2	Sonic	–
HMW–2IA	Mercer Megablock- Center of Site	Y	Yes	BLR-922	3/8/2019	1,268,697.19	231,646.31	–	45	44.8	47.78	–	47.56	34.8	44.8	12.8	2.8	2	HSA	45
HMW–3IA	Mercer Megablock- NW Corner	Y	Yes	BLR-925	3/15/2019	1,268,409.28	231,676.26	–	45.5	45	55.11	–	54.78	34.8	44.8	20.0	10.0	2	HSA	45
HMW–4IA	Mercer Megablock- SW Corner	Y	Yes	–	3/7/2019	1,268,409.46	231,559.14	–	81.5	80	58.78	–	58.53	50.0	60.0	8.8	-1.2	2	HSA	60
FMW-136	Block 38 West- SE corner	Y	TOC Elev	–	8/22/2018	–	–	–	40	40	–	–	24.79	30.0	40.0	-4.9	-14.9	2	HSA	–
FMW-142	9th Avenue North ROW, east side across from MW-322	Y	Yes	BLW-342	7/24/2018	1,268,991.88	231,918.28	Nov 2019	45	42.5	32.87	32.90	32.52	37.5	42.5	-4.6	-9.6	2	Sonic	–
Intermediate B Zone Wells																				
MW111 (B111)	Alley east of 800 Aloha Street parcel	Y	Yes	BHS-770	12/05/12 – 12/06/12	1,268,807.08	231,896.12	Dec 2019	80.5	80	36.66	36.67	36.38	70.0	80.0	-33.5	-43.5	2	HSA	50
MW112 (B112)	In ROW West of the Property	Y	Yes	BHS-767	12/11/12 – 12/12/12	1,268,310.62	231,915.10	Dec 2019	85.5	85	57.77	57.79	57.47	75.0	85.0	-17.2	-27.2	2	HSA	–
MW126 (B126)	Alley east of 800 Aloha Street parcel	Y	Yes	BID-021	12/30/13	1,268,813.91	232,263.78	Dec 2013	95	95	–	–	30.94	85.0	95.0	-54.1	-64.1	2	HSA	–
W-MW-01	In ROW East of the Property	Yes	Yes	NA	1/27/2012	1,268,631.93	231,818.02	–	80	80	–	45.38	44.88	70.0	80.0	-25.1	-35.1	2	HSA	–
W-MW-02	In ROW East of the Property	Yes	Yes	NA	1/29/2012	1,268,627.92	231,911.22	–	80	80	43.72	43.75	43.46	70.0	80.0	-26.3	-36.3	2	HSA	–
MW-143	8th Ave N ROW, near MW121	Y	Yes	BKF-355	04/12/18	1,268,681.54	231,974.66	Apr 2018	82.0	80	42.43	42.48	42.04	70.1	80.0	-27.7	-37.6	2	HSA	–
MW-145	East side of 8th Ave N ROW, north of Roy Street	N	Yes	BKF-360	04/18/18	1,268,678.28	231,851.15	Apr 2018	81.0	80	43.86	43.87	43.46	70.0	80.0	-26.1	-36.1	2	HSA	–
MW-145R	East side of 8th Ave N ROW, north of Roy Street	N	Yes	BME-510	11/25/19-11/26/19	1,268,670.64	231,872.79	Dec 2019	80.0	80	42.66	42.67	42.00	70.2	80.2	-27.5	-37.5	2	Sonic	–
MW-147	South side of Roy Street ROW, near MW106	Y	Yes	BKF-351	04/02/18	1,268,501.67	231,733.85	Apr 2018	80.0	80	52.36	52.39	51.85	70.0	80.0	-17.6	-27.6	2	HSA	–
MW-148	South side of the Roy St ROW, near MW105	Y	Yes	BKF-353	04/09/18	1,268,725.60	231,731.90	Apr 2018	80.5	80	44.27	44.29	43.91	70.0	80.0	-25.7	-35.7	2	HSA	–
MW-157	East side of 8th Ave N, near MW-9	N	Yes	BKF-357	04/13/18	1,268,683.21	232,040.85	Apr 2018	81.0	80	41.61	41.66	41.22	69.9	79.8	-28.3	-38.2	2	HSA	–
MW-190	In the southern Valley Street sidewalk, north of the Property	Y	Yes	BLR-794	9/18/19-9/19/19	1,268,513.78	232,057.87	Nov 2019	89.0	89	48.65	48.65	48.39	78.8	88.8	-30.2	-40.2	2	Sonic	–
MW-303	In the Dexter Ave N ROW, west of the northwest Property quadrant	Y	Yes	BMF-581	10/3/19-10/4/19	1,268,352.70	231,967.32	Nov 2019	82.0	82	57.56	57.55	57.28	71.4	81.4	-13.8	-23.8	2	Sonic	–
MW-307	Sidewalk W of Dexter Avenue North, S of Roy Street	Y	Yes	BMF-580	10/03/19	1,268,244.49	231,757.96	Nov 2019	85.0	83	60.45	60.45	60.21	72.8	82.8	-12.4	-22.4	2	Sonic	–
MW-309	Alley east of 800 Aloha Street parcel, near MW122	Y	Yes	BMF-575	09/19/19	1,268,811.71	232,143.16	Nov 2019	75.0	73	30.37	30.35	29.97	62.4	72.4	-32.0	-42.0	2	Sonic	–
MW-311	Alley east of 800 Aloha Street parcel, near MW108	Y	Yes	BMF-574	09/18/19	1,268,804.88	232,040.35	Nov 2019	74.0	73	33.14	33.17	32.98	62.2	72.2	-29.1	-39.1	2	Sonic	–
MW-314	Alley east of 800 Aloha Street parcel, near MW110	Y	Yes	BMF-288	9/9/19-9/13/13	1,268,804.06	231,817.34	Nov 2019	80.0	78	39.81	39.85	39.19	67.8	77.8	-28.0	-38.0	2	Sonic	–
MW-316	Sidewalk on N side of Mercer St, midway between Dexter and 9th	Y	Yes	BMF-569	09/09/19	1,268,641.35	231,537.58	Nov 2019	70.0	70	49.81	49.79	49.44	59.8	69.8	-10.0	-20.0	2	Sonic	–
MW-318	Sidewalk on W side of 9th Avenue North, north of MW116	Y	Yes	BLR-797	09/24/19	1,268,941.46	232,081.31	Nov 2019	65.0	65	31.66	31.67	31.36	54.8	64.8	-23.1	-33.1	2	Sonic	–
MW-322	Sidewalk on W side of 9th Avenue North, near MW113	Y	Yes	BLR-792	09/17/19	1,268,937.97	231,957.89	Nov 2019	65.0	65	33.45	33.46	33.13	54.7	64.7	-21.3	-31.3	2	Sonic	–
HMW–1IB	Mercer Megablock- NE Corner	Y	Yes	BLR-917	3/13/2019	1,268,916.82	231,662.30	–	65.4	64.5	37.27	–	38.42	54.3	64.3	-15.9	-25.9	2	HSA	64.5
HMW–2IB	Mercer Megablock- Center of Site	Y	Yes	BLR-923	3/12/2019	1,268,687.26	231,652.66	–	66.5	62.8	47.57	–	47.23	52.8	62.8	-5.6	-15.6	2	HSA	62.8
FMW-130	Block 38 West	Y	TOC Elev	–	7/21/14 - 7/22/14	–	–	–	60	55	–	–	21.86	45.0	55.0	-22.8	-32.8	2	Sonic	–
FMW-141	Alley east of 800 Aloha Street parcel, near MW109	Y	Yes	BLW-341	7/22/2019	1,268,808.24	231,948.19	Dec 2019	60	57.5	35.44	35.45	35.15	47.5	57.5	-12.1	-22.1	2	Sonic	–
Deep Zone Wells																				
FMW-129	SDOT Parcel south of Property	Y	Yes	BIC -085	5/13/14 – 5/16/14	1,268,873.71	231,707.21	May 2017	119	89.2	38.64	38.38	38.31	84.2	89.2	-45.6	-50.6	2	HSA	–
FMW-131	Block 37	Y	Yes	NA	8/25/16 – 8/30/16	1,269,436.35	231,629.37	–	75.0	74.85	–	–	27.85	62.5	72.5	-34.7	-44.7	2	HSA	–
FMW-3D	Block 37	Y	Yes	NA	3/7/16 – 3/8/16	1,269,941.28	231,737.65	–	71.5	69	–	–	27.88	59.0	69.0	-31.1	-41.1	2	HSA	–
GEI-2	Block 37	Y	Yes	NA	4/16/14 – 4/17/14	1,269,358.70	231,666.08	–	81.5	60.5	–	–	29.38	50.5	60.5	-21.1	-31.1	2	HSA	–
MW101 (B101)	Central portion of the Property	Y	Yes	BCK-014	7/10/12 – 7/12/12	1,268,533.39	231,934.66	Dec 2013	140	115	–	39.78	39.49	105.0	115.0	-65.5	-75.5	2	Sonic	40, 80
MW102 (B102)	In the southern Valley Street sidewalk, north of the Property	Y	Yes	BCK-015	7/17/12 – 7/23/12	1,268,505.01	232,058.56	Nov 2019	125	125	49.38	49.37	49.11	115.0	125.0	-65.8	-75.8	2	Sonic	–
MW103 (B103)	Between 8th And 9th Avenues North, east of Property	Y	Yes	BCK-016	7/25/12 – 7/27 12	1,268,807.23	231,911.84	Dec 2019	115	114	36.12	36.13	35.86	103.5	113.5	-67.6	-77.6	2	Sonic	–

Table 1

Monitoring Well Completion Details
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Description of Location	Log?	Surveyed?	Well Tag	Dates Drilled	Easting	Northing	Last Surveyed	Depth		Elevation			Well Screen				Well Dia (in)	Drill Rig Type	Casing Depth (ft bgs)
									Total (ft bgs)	Well (ft bgs)	Ground (ft)	Monument (ft)	TOC (ft)	Depth		Elevation				
														Top	Bottom	Top	Bottom			
MW104 (B104)	8th Avenue North ROW, east of the Property	Y	Yes	BCK-017	7/30/12 – 8/01/12	1,268,635.95	231,912.28	Dec 2013	130	129	–	43.05	42.68	119.0	129.0	-76.3	-86.3	2	Sonic	–
MW105 (B105)	Roy Street ROW, southeast of the Property	Y	Yes	BCK-018	8/06/12 – 8/10/12	1,268,694.42	231,762.84	Nov 2019	140	140	44.39	44.41	44.12	130.0	140.0	-85.3	-95.3	2	Sonic	–
MW106 (B106)	North portion of the SDOT property south of Aloha Street	Y	Yes	BCK-019	8/14/12 – 8/15/12	1,268,501.66	231,720.28	Dec 2013	140	140	–	52.25	51.99	130.0	140.0	-78.0	-88.0	2	Sonic	–
MW113 (B113)	9th Avenue North ROW, East of the Property	Y	Yes	BHS-764	12/18/12	1,268,950.77	231,911.93	Nov 2019	80	80	33.20	33.21	32.91	70.0	80.0	-36.8	-46.8	2	HSA	–
MW122 (B122)	Alley east of 800 Aloha Street parcel	Y	Yes	BID-017	12/17/13	1,268,810.95	232,139.15	Dec 2013	115	115	–	30.54	30.03	105.0	115.0	-75.0	-85.0	2	HSA	–
MW123 (B123)	At the intersection of 9th Avenue and Westlake Avenue	Y	Yes	BID-018	12/18/13	1,269,084.44	232,170.77	Nov 2019	80	80	27.95	27.95	27.50	70.0	80.0	-42.5	-52.5	2	HSA	–
MW124 (B124)	In the southern Valley Street sidewalk, north of the Property	Y	Yes	BID-019	12/19/13	1,268,387.31	232,058.01	Dec 2019	120	120	56.76	56.77	56.17	110.0	120.0	-53.8	-63.8	2	HSA	–
MW128 (B128)	Southeast corner of the intersection of Westlake Avenue and Valley Street	Y	Yes	BID-023	1/9/14	1,269,319.15	231,810.63	May 2017	70.5	70	29.20	29.21	28.59	60.0	70.0	-30.8	-40.8	2	HSA	–
MW-138	In the Dexter Ave N ROW, west of the southwest Property quadrant	Y	Yes	BKA-296	9/12/17 – 9/15/17	1,268,345.19	231,841.61	Nov 2019	117	115	57.44	57.41	57.03	105.0	115.0	-47.6	-57.6	2	Sonic	–
MW-140	In the Roy Street ROW south of the central part of the Property	Y	Yes	BKA-301	8/30/17 – 8/31/17	1,268,511.94	231,782.78	Sep 2017	140	140	50.57	50.57	50.20	129.5	139.5	-78.9	-88.9	2	Sonic	–
MW-153	South side of the Roy St ROW, east of Dexter Ave N	Y	Yes	BKF-348	03/29/18	1,268,443.98	231,734.96	Apr 2018	130	130	54.75	54.79	54.35	120.0	130.0	-65.3	-75.3	2	HSA	–
MW-158A	East side of 8th Ave N, near MW-9	Y	Yes	BKF-352	04/06/18	1,268,683.06	232,045.84	Apr 2018	100	100	41.51	41.52	41.09	89.7	100.0	-48.2	-58.5	2	HSA	–
MW-160	West side of 8th Ave N, north of MW104	Y	Yes	BKF-460	05/10/18	1,268,625.97	231,968.95	Oct 2018	128	128	42.56	42.57	42.24	118.0	128.0	-75.4	-85.4	2	HSA	–
MW-161	West side of 8th Ave N, south of MW107	Y	Yes	BKF-461	05/06/18	1,268,622.67	231,866.90	Nov 2019	140	140	44.43	44.44	43.99	130.0	140.0	-85.6	-95.6	2	HSA	–
MW-304	In the Dexter Ave N ROW, west of the northwest Property quadrant	Y	Yes	BMF-581	10/2/2019	1268352.38	231961.13	Nov 2019	116	116	57.57	57.56	57.23	105.2	115.2	-47.6	-57.6	2	Sonic	–
MW-319	Sidewalk on W side of 9th Avenue North, north of MW116	Y	Yes	BLR-793	9/18/2019	1268941.67	232077.44	Nov 2019	85	84	31.70	31.71	31.31	74.5	84.5	-42.8	-52.8	2	Sonic	–
MW-323	Sidewalk on W side of 9th Avenue North, near MW113	Y	Yes	BLR-799	9/28/2019	1268935.73	231873.86	Nov 2019	110	110	34.65	34.69	34.38	100.0	110.0	-65.4	-75.4	2	Sonic	–
MW-324	Sidewalk NE of Broad Street/9th Avenue North intersection	Y	Yes	BMF-587	9/12/2019	1269021.77	231829.66	Nov 2019	80	77	34.27	34.28	33.71	66.3	76.3	-32.1	-42.1	2	Sonic	–
MW-326	Sidewalk on N side of Mercer St, just west of 9th Avenue North	Y	Yes	BLR-750	9/9/2019-9/10/19	1268889.59	231552.72	Nov 2019	100	100	41.30	41.3	40.97	90.0	100.0	-48.7	-58.7	2	Sonic	–
MW-328	S Lake Union Park N of Valley Street/Westlake Ave N intersection	Y	Yes	BMF-572	9/16/2019	1269265.31	232010.75	Nov 2019	80	75	28.38	28.45	28.09	64.5	74.5	-36.1	-46.1	2	Sonic	–
MW-329	Sidewalk E of Westlake Avenue North, near MW128	Y	Yes	BMF-571	9/12/2019	1269321.03	231798.39	Nov 2019	110	109	29.26	29.25	28.93	98.3	108.3	-69.0	-79.0	2	Sonic	–
HMW–1D	Mercer Megablock- NE Corner	Y	Yes	BLI-197	3/4/2019	1,268,909.17	231,642.60	–	95	90.5	38.39	–	38.05	80.0	90.0	-42.0	-52.0	2	Sonic	90.5
HMW–2D	Mercer Megablock- Center of Site	Y	Yes	BLI-198	3/6/2019	1,268,683.24	231,667.39	–	90	90	47.51	–	47.23	80.0	90.0	-32.8	-42.8	2	Sonic	90
HMW–3D	Mercer Megablock- NW Corner	Y	Yes	BLI-199	3/6/2019	1,268,425.91	231,682.15	–	90	90	56.67	–	56.40	80.0	90.0	-23.6	-33.6	2	Sonic	90
FMW-137	Block 38 Alley, North End	N	Yes	–	11/3/18 - 11/17/18	1,269,446.94	231,392.41	–	90	85	–	–	30.09	70.0	85.0	-39.9	-54.9	2	Sonic	–
FMW-138	Block 38 Alley, South End	N	Yes	–	11/3/18 - 11/14/18	1,269,426.19	230,983.38	–	100	100	–	–	40.44	90.0	100.0	-50.0	-60.0	2	Sonic	–
FMW-140	Broad Street between 9th Ave and Westlake, North Side Parking Lot	Y	Yes	BLT-940	7/12/2019	1,269,111.06	231,885.87	Nov 2019	85	80	32.00	32.00	31.71	70.0	80.0	-38.0	-48.0	2	Sonic	–
Shallow Soil Vapor Probes																				
SV01	East sidewalk of 8th Ave N ROW, next to 800 Aloha St parcel	Y	No	–	3/11/13	–	–	–	12.25	–	–	–	–	11.8	12.3	–	–	–	DP	–
SV02	East sidewalk of 8th Ave N ROW, next to 800 Aloha St parcel	Y	No	–	3/11/13	–	–	–	11.75	–	–	–	–	11.3	11.8	–	–	–	DP	–
SV03	East sidewalk of 8th Ave N ROW, next to 800 Aloha St parcel	Y	No	–	3/11/13	–	–	–	12.75	–	–	–	–	12.3	12.8	–	–	–	DP	–

Notes:

1. TOC = top of PVC casing
2. TOCs were surveyed relative to an arbitrary benchmarks prior to 2012. TOCs were resurveyed by Bush, Roed & Hitchings, Inc. (BR&H) of Seattle, Washington, in February, October, and December 2012 and March 2013, relative to the North American Vertical Datum of 1988 (NAVD 88). Selected wells were surveyed by BR&H to NAD83/91, Washington State Plane Coordinate System, North Zone (horizontal) and NAVD 88 (vertical) in January 2014.
3. bgs = below ground surface
4. – = not available or not applicable
5. ROW = right-of-way
6. HSA = hollow-stem auger; DP = direct-push probe; Sonic = rotosonic or rotary vibratory drilling
7. Casing depth = depth where casing or auger size was reduced, with the larger casing left in place during drilling
8. TBD = to be determined
9. 10-foot-long well screens assumed for MW-214, SCL-MW101, SCL-MW105, SCS-2, and SMW-3

Table 2

2019 RI Soil Physical Properties
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Location	Sample Depth (feet)	Sample Elevation (feet NAVD 88)	Unit	Sample USCS	Component Percentage			Horizontal K Based on Grain Size (cm/sec)					Lab Vertical K (cm/sec)	TOC (mg/kg)	f_{oc} (g/g)	Total Porosity	Dry Bulk Density (pcf)	Moisture Content (%)
								Kozeny-Carman Method			Hazen Method (modified)							
					Gravel	Sand	Silt/ Clay	Max	Median	Min	d_{10} (cm)	K						
MW-190	48	0.6	Int. A	SM	6.7	49.1	44.2	3.6E-05	1.5E-05	5.1E-06	1.80E-04	3.2E-06	–	–	–	–	–	–
MW-302	33	24.3	Shallow	SP	8.9	76.9	14.3	6.1E-04	2.6E-04	8.7E-05	3.13E-03	9.8E-04	–	–	–	–	–	–
MW-302	60	-2.7	Int. A	SM	11.5	51.0	37.5	4.2E-05	1.8E-05	6.0E-06	1.82E-04	3.3E-06	–	–	–	–	–	–
MW-303	65	-7.4	Int. A	ML	–	–	–	–	–	–	–	–	7.13E-07	2,650	2.7E-03	0.25	126.7	12.3
MW-303	80	-22.4	Int. B	ML	–	–	–	–	–	–	–	–	1.89E-07	2,700	2.7E-03	0.24	128.6	11.1
MW-304	81	-23.4	Int. B	CL	0.1	1.2	98.7	3.1E-06	1.3E-06	4.4E-07	5.44E-05	3.0E-07	–	–	–	–	–	–
MW-304	108	-50.4	Deep	SP	8.9	89.1	2.0	8.9E-03	3.8E-03	1.3E-03	2.54E-02	6.5E-02	–	210	2.1E-04	–	–	–
MW-307	44	16.5	Int. A	SM	3.4	80.8	15.8	2.8E-04	1.2E-04	4.0E-05	1.45E-03	2.1E-04	–	–	–	–	–	–
MW-308	33	-2.6	Int. A	ML	–	–	–	–	–	–	–	–	1.21E-04	300	3.0E-04	0.38	104.3	22.7
MW-308	40	-9.6	Int. A	SP	–	–	–	–	–	–	–	–	–	390	3.9E-04	0.33	112.4	17.5
MW-309	59	-28.6	Int. B	ML	7.0	23.6	69.4	1.1E-05	4.9E-06	1.6E-06	1.06E-04	1.1E-06	–	–	–	–	–	–
MW-311	40	-6.9	Int. A	SM	0.0	78.9	21.2	7.1E-04	3.1E-04	1.0E-04	4.63E-03	2.1E-03	–	200	2.0E-04	–	–	–
MW-311	48	-14.9	Int. A	SP	0.0	94.2	5.8	2.6E-03	1.1E-03	3.7E-04	7.85E-02	6.2E-01	–	–	–	–	–	–
MW-314	43	-3.2	Int. A	SM	1.7	51.3	47.0	4.0E-05	1.7E-05	5.7E-06	1.79E-04	3.2E-06	–	–	–	–	–	–
MW-316	37	12.8	Int. A	SM	5.9	71.3	22.8	1.2E-04	5.2E-05	1.7E-05	7.23E-04	5.2E-05	–	–	–	–	–	–
MW-316	58	-8.2	Int. A	SM	16.8	58.8	24.4	8.5E-05	3.6E-05	1.2E-05	3.39E-04	1.2E-05	–	–	–	–	–	–
MW-319	28	3.7	Int. A	SM	20.6	43.4	36.1	6.0E-05	2.6E-05	8.4E-06	2.15E-04	4.6E-06	–	–	–	–	–	–
MW-322	32	1.5	Int. B	CL	6.9	35.3	57.7	4.5E-06	1.9E-06	6.4E-07	5.58E-05	3.1E-07	–	–	–	–	–	–
MW-323	32.5	2.2	Int. B	CL	–	–	–	–	–	–	–	–	1.82E-07	6,850	6.9E-03	0.53	80.5	40.8
MW-323	43.5	-8.9	Int. B	ML	–	–	–	–	–	–	–	–	1.23E-05	1,150	1.2E-03	0.39	103.0	22.7
MW-323	100	-65.4	Deep	SM	–	–	–	–	–	–	–	–	1.19E-04	290	2.9E-04	0.21	133.6	8.9
MW-324	30	4.3	Int. B	CL	0.0	15.1	85.0	2.0E-06	8.5E-07	2.8E-07	5.20E-05	2.7E-07	–	–	–	–	–	–
MW-324	38	-3.7	Int. B	ML	3.5	27.0	69.5	1.2E-05	5.3E-06	1.8E-06	1.04E-04	1.1E-06	–	–	–	–	–	–
MW-326	39	2.3	Int. A	SP	0.1	93.7	6.2	1.8E-03	7.6E-04	2.5E-04	7.00E-03	4.9E-03	–	–	–	–	–	–
MW-328	45	-16.6	Int. B	SM	0.2	62.9	36.9	4.2E-05	1.8E-05	5.9E-06	1.83E-04	3.3E-06	–	–	–	–	–	–
MW-328	70	-41.6	Deep	SP	0.0	96.6	3.4	3.5E-03	1.5E-03	5.0E-04	1.20E-02	1.4E-02	–	290	2.9E-04	–	–	–
MW-329	70	-40.7	Deep	SP	0.0	98.7	1.3	1.6E-02	6.7E-03	2.2E-03	1.90E-02	3.6E-02	–	–	–	–	–	–
MW-329	105	-75.7	Deep	SM	23.4	50.1	26.4	6.3E-05	2.7E-05	8.9E-06	2.15E-04	4.6E-06	–	–	–	–	–	–

Notes:
1. Depths in feet below ground surface.
2. cm/sec = centimeters per second.
3. – = not determined.
3. Int. A = Intermediate A water-bearing zone, Int. B = water-bearing zone, Deep = deep water-bearing zone.
4. UCSC = Unified Soil Classification System symbol; SP = poorly graded sand, SM = silty sand, ML = sandy silt, silt with sand, or silt; CL = gravelly clay, sandy clay, or clay.
5. Grain size determined using ASTM D422/D4464M (sieve/laser or hydrometer).
6. The modified Hazen method estimates hydraulic conductivity by multiplying the square of d_{10} (10 percent passing diameter) by 100.
7. Laboratory hydraulic conductivity (K) determined using ASTM D-5084.
8. f_{oc} determined using the Walkley-Black method.
9. Dry bulk density and moisture content determined using ASTM D2937.

Table 3

Hydraulic Conductivity Estimates from 2019 RI Slug Tests
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Well ID	Well Location	Well Screen Depth (feet bgs)	Well Screen Elevation (feet NAVD88)	Lithologic Unit in Screen Zone	Slug Test ID	Hydraulic Conductivity (ft/day)	Average Hydraulic Conductivity (ft/day)	Average Hydraulic Conductivity (cm/sec)
Intermediate B Zone								
MW-311	Alley Between 8th and 9th Ave N	62.2 to 72.2	-29.0 to -39.0	SM, ML	Falling Head 1	0.0664	0.0481	1.70E-05
					Falling Head 2	0.0784		
					Falling Head 3	0.0618		
					Rising Head 1	0.0181		
					Rising Head 2	0.0394		
					Rising Head 3	0.0244		
Deep Zone								
MW-323	9th Avenue North ROW	100 to 110	-65.4 to -75.4	SM, GM, GP	Falling Head 1	15.46	17.03	6.01E-03
					Falling Head 2	14.85		
					Rising Head 1	17.02		
					Rising Head 3	17.58		
					Rising Head 4	20.23		
MW-328	South Lake Union Park	64.5 to 74.5	-36.1 to -46.1	SP	Falling Head 4	44.18	36.10	1.27E-02
					Rising Head 1	30.37		
					Rising Head 3	37.03		
					Rising Head 4	34.02		
					Rising Head 5	34.92		

Notes:

1. Elevations in feet relative to the North American Vertical Datum of 1988 (NAVD 88)
2. Hydraulic conductivity calculated by using the well screen length (10 feet) for aquifer thickness
3. Analysis used: Bouwer and Rice (Bouwer, H. and R.C. Rice. 1976. A slug test for determining hydraulic conductivitiy of unconfined aquifers with completely or partially penetrating wells. Water Resources Research. Vol. 12, P 423-428)
4. bgs = below ground surface
5. hydraulic conductivity = transmissivity/aquifer thickness
6. cm/sec = centimeters per second
7. GM = silty gravel, ML = silt or sandy silt, SP = sand, and SM = silty sand

Table 4

2019 RI Soil Petroleum Hydrocarbons and CVOCs
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location and Well Screen Elevation (feet NAVD 88)	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
			Screening Levels		30		0.030		0.27		0.34		0.83		0.025		0.030		0.050		0.050		0.050	
MW-190 (-30.2 to -40.2)	MW-190-5	09/19/19	5	43.7	**1.03**	**J**	**0.000741**	**J**	**0.00891**		0.000611	U	0.00551	U	**0.0166**		0.000461	U	0.000796	U	0.00165	U	0.000788	U
	MW-190-10	09/19/19	10	38.7	**3.07**	**J**	**0.00553**		**0.0371**		**0.00350**	**J**	**0.0280**		**0.0965**		0.000827	U	0.00143	U	0.00296	U	0.00141	U
	MW-190-15	09/19/19	15	33.7	1.12	U	0.000530	U	**0.0200**		0.000702	U	0.00633	U	0.000927	U	0.000530	U	0.000913	U	0.00189	U	0.000904	U
	MW-190-20	09/19/19	20	28.7	1.06	U	**0.00144**		**0.0172**		**0.00108**	**J**	0.00595	U	0.000871	U	0.000498	U	**0.00477**		0.00178	U	**0.00116**	**J**
	MW-190-25	09/19/19	25	23.7	0.995	U	**0.000484**	**J**	**0.0138**		0.000622	U	0.00561	U	0.000822	U	0.000470	U	**0.00187**	**J**	0.00168	U	0.000802	U
	MW-190-30	09/19/19	30	18.7	**1.12**	**J**	0.000419	U	**0.0122**		0.000555	U	0.00501	U	**0.0585**		**0.0109**		**0.00418**		0.00150	U	0.000716	U
	MW-190-35	09/19/19	35	13.7	**1.17**	**J**	0.000425	U	**0.00948**		0.000563	U	0.00508	U	**0.0786**		**0.0108**		**0.00442**		0.00152	U	0.000726	U
	MW-190-40	09/19/19	40	8.7	0.952	U	0.000449	U	**0.0117**		0.000595	U	0.00537	U	**0.0108**		**0.00134**		0.000775	U	0.00161	U	0.000767	U
	MW-190-45	09/19/19	45	3.7	0.970	U	0.000457	U	**0.00557**	**J**	0.000606	U	0.00547	U	0.000800	U	0.000457	U	0.000789	U	0.00163	U	0.000781	U
	MW-190-50	09/19/19	50	-1.4	**1.79**	**J**	**0.000610**	**J**	**0.0175**		0.000555	U	0.00501	U	**0.00158**	**J**	0.000419	U	0.000723	U	0.0015	U	0.000715	U
	MW-190-55	09/19/19	55	-6.4	**1.44**	**J**	**0.000459**	**J**	**0.00877**		0.000575	U	0.00518	U	0.000759	U	0.000434	U	**0.0790**		0.00155	U	**0.00676**	
	MW-190-60	09/19/19	60	-11.4	**1.39**	**J**	**0.000462**	**J**	**0.00549**		0.000578	U	0.00521	U	**0.00369**	**J**	0.000436	U	**0.00884**	**J**	0.00156	U	**0.0173**	
	MW-2008-60	09/19/19	60 (dup)	-11.4	**1.18**	**J**	0.000432	U	**0.0129**		0.000573	U	0.00517	U	**0.00950**	**J**	0.000432	U	**0.0214**	**J**	0.00155	U	**0.0138**	
	MW-190-65	09/19/19	65	-16.4	**1.65**	**J**	**0.000683**	**J**	**0.0191**		**0.000853**	**J**	0.00528	U	0.000773	U	0.000442	U	0.000762	U	0.00158	U	0.000754	U
	MW-190-70	09/19/19	70	-21.4	**0.943**	**J**	0.000443	U	**0.00717**		0.000587	U	0.00529	U	0.000775	U	0.000443	U	0.000764	U	0.00158	U	0.000757	U
	MW-190-75	09/19/19	75	-26.4	0.927	U	0.000437	U	**0.00803**		0.000579	U	0.00523	U	0.000765	U	0.000437	U	0.000754	U	0.00156	U	0.000747	U
	MW-190-80	09/19/19	80	-31.4	**1.49**	**J**	0.000437	U	**0.0117**		0.000579	U	0.00522	U	**0.00132**	**J**	0.000437	U	0.000753	U	0.00156	U	0.000746	U
	MW-190-85	09/19/19	85	-36.4	**1.23**	**J**	0.000460	U	**0.00843**		0.000609	U	0.00550	U	0.000805	U	0.000460	U	0.000793	U	0.00164	U	0.000785	U
	MW-190-87	09/19/19	87	-38.4	**1.02**	**J**	**0.000521**	**J**	**0.00903**		0.000633	U	0.00571	U	0.000837	U	0.000478	U	0.000825	U	0.00171	U	0.000816	U
MW-301 (35.6 to 25.6)	MW-301-6	09/20/19	6	47.8	–		0.000469	U	**0.0191**		**0.000628**	**J**	0.00560	U	**0.00260**	**J**	0.000469	U	0.000809	U	0.00168	U	0.000800	U
	MW-301-10	09/20/19	10	43.8	–		0.000440	U	**0.00321**	**J**	0.000583	U	0.00526	U	**0.00463**	**J**	0.000440	U	0.000759	U	0.00157	U	0.000751	U
	MW-301-15	09/20/19	15	38.8	–		0.000454	U	**0.0258**		0.000602	U	0.00543	U	**0.00396**	**J**	0.000454	U	0.000783	U	0.00162	U	0.000775	U
	MW-301-20	09/20/19	20	33.8	–		0.00135	U	**0.0402**		0.00178	U	0.0162	U	**0.00927**	**J**	0.00135	U	0.00232	U	0.00483	U	0.00231	U
	MW-301-25	09/20/19	25	28.8	–		0.000455	U	**0.0329**		**0.00121**	**J**	0.00543	U	**0.0326**	**J**	**0.00173**		0.000784	U	0.00163	U	0.000776	U
	MW-301-30	09/20/19	30	23.8	–		0.000495	U	**0.0376**		**0.00111**	**J**	0.00592	U	**0.0141**	**J**	0.000495	U	0.000854	U	0.00177	U	0.000845	U
MW-302 (3.0 to -7.0)	MW-302-5	10/01/19	5	52.3	–		0.000468	U	**0.00938**		**0.00110**	**J**	**0.00584**	**J**	**0.0461**		0.000468	U	0.000808	U	0.00167	U	0.000800	U
	MW-302-10	10/01/19	10	47.3	–		0.000498	U	0.00156	U	0.000659	U	0.00595	U	0.000871	U	0.000498	U	0.000859	U	0.00178	U	0.000850	U
	MW-302-15	10/01/19	15	42.3	–		0.000545	U	**0.0142**		0.000723	U	0.00651	U	**0.00215**	J	0.000545	U	0.000940	U	0.00195	U	0.000931	U
	MW-302-20	10/01/19	20	37.3	–		0.000477	U	**0.00524**	**J**	0.000632	U	0.00570	U	**0.00541**		0.000477	U	0.000823	U	0.00171	U	0.000815	U
	MW-302-25	10/01/19	25	32.3	–		0.000448	U	**0.00443**	**J**	0.000594	U	0.00536	U	0.000784	U	0.000448	U	0.000773	U	0.00160	U	0.000765	U
	MW-302-30	10/01/19	30	27.3	–		0.000438	U	**0.00287**	**J**	0.000580	U	0.00523	U	0.000766	U	0.000438	U	0.000755	U	0.00156	U	0.000747	U
	MW-302-35	10/01/19	35	22.3	–		0.000430	U	**0.00440**	**J**	0.000570	U	0.00514	U	0.000752	U	0.000430	U	0.000742	U	0.00154	U	0.000734	U
	MW-302-40	10/01/19	40	17.3	–		0.000425	U	**0.00484**	**J**	0.000564	U	0.00508	U	0.000745	U	0.000425	U	0.000734	U	0.00152	U	0.000727	U
	MW-302-45	10/01/19	45	12.3	–		0.000477	U	**0.0222**		0.000631	U	0.00570	U	0.000834	U	0.000477	U	0.000822	U	0.00170	U	0.000814	U
	MW-302-50	10/01/19	50	7.3	–		0.000478	U	**0.0158**		0.000633	U	0.00571	U	0.000836	U	0.000478	U	0.000824	U	0.00171	U	0.000816	U
	MW-302-55	10/01/19	55	2.3	–		0.000455	U	**0.00449**	**J**	0.000602	U	0.00543	U	0.000795	U	0.000455	U	0.000784	U	0.00162	U	0.000776	U
	MW-302-60	10/01/19	60	-2.7	–		0.000569	U	**0.0216**		**0.00117**	**J**	0.00680	U	0.000995	U	0.000569	U	0.000981	U	0.00204	U	0.000971	U
	MW-302-65	10/01/19	65	-7.7	–		0.000468	U	**0.00508**	**J**	0.000621	U	0.00560	U	0.000820	U	0.000468	U	0.000808	U	0.00167	U	0.000800	U
	MW-2014-65	10/01/19	65 (dup)	-7.7	–		0.000485	U	**0.0138**		0.000643	U	0.00579	U	0.000849	U	0.000485	U	0.000836	U	0.00173	U	0.000828	U
MW-304 (-47.6 to -57.6)	MW-304-5	10/01/19	5	52.6	–		0.000451	U	**0.00212**	**J**	0.000597	U	0.00538	U	**0.0250**		0.000451	U	0.000777	U	0.00161	U	0.000769	U
	MW-304-10	10/01/19	10	47.6	–		0.000456	U	**0.00202**	**J**	0.000604	U	0.00545	U	**0.0198**		0.000456	U	0.000786	U	0.00163	U	0.000778	U
	MW-304-15	10/01/19	15	42.6	–		0.000476	U	0.00149	U	0.000630	U	0.00568	U	**0.00806**		0.000476	U	0.000820	U	0.00170	U	0.000812	U
	MW-304-20	10/01/19	20	37.6	–		**0.00166**		**0.00496**	**J**	0.000624	U	0.00563	U	0.000824	U	0.000471	U	0.000813	U	0.00168	U	0.000804	U

Table 4

2019 RI Soil Petroleum Hydrocarbons and CVOCs
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location and Well Screen Elevation (feet NAVD 88)	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)									
					GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
				Screening Levels	30	0.030	0.27	0.34	0.83	0.025	0.030	0.050	0.050	0.050
MW-304 (continued)	MW-304-25	10/01/19	25	32.6	–	0.000438 U	0.00137 U	0.000580 U	0.00523 U	0.000766 U	0.000438 U	0.000755 U	0.00156 U	0.000747 U
	MW-304-30	10/01/19	30	27.6	–	0.000470 U	0.00147 U	0.000623 U	0.00562 U	0.000823 U	0.000470 U	0.000812 U	0.00168 U	0.000803 U
	MW-304-40	10/01/19	40	17.6	–	0.000434 U	**0.00211 J**	0.000575 U	0.00519 U	0.000760 U	0.000434 U	0.000749 U	0.00155 U	0.000741 U
	MW-304-45	10/01/19	45	12.6	–	0.000406 U	**0.0013 J**	0.000538 U	0.00486 U	0.000711 U	0.000406 U	0.000701 U	0.00145 U	0.000694 U
	MW-304-50	10/01/19	50	7.6	–	0.000431 U	**0.00241 J**	0.000571 U	0.00515 U	0.000754 U	0.000431 U	0.000743 U	0.00154 U	0.000735 U
	MW-304-55	10/01/19	55	2.6	–	0.000403 U	**0.00212 J**	0.000534 U	0.00482 U	0.000706 U	0.000403 U	0.000695 U	0.00144 U	0.000688 U
	MW-304-60	10/01/19	60	-2.4	–	**0.000423 J**	**0.00355 J**	0.000559 U	0.00504 U	0.000738 U	0.000422 U	0.000728 U	0.00151 U	0.000720 U
	MW-304-65	10/01/19	65	-7.4	–	0.000463 U	**0.00168 J**	0.000614 U	0.00554 U	0.000811 U	0.000463 U	0.000799 U	0.00166 U	0.000791 U
	MW-304-70	10/01/19	70	-12.4	–	0.000486 U	**0.00270 J**	0.000644 U	0.00581 U	0.000850 U	0.000486 U	0.000838 U	0.00174 U	0.000830 U
	MW-304-75	10/01/19	75	-17.4	–	0.000458 U	**0.0284**	**0.000619 J**	0.00547 U	0.000801 U	0.000458 U	0.000790 U	**0.00185 J**	0.000782 U
	MW-304-80	10/01/19	80	-22.4	–	0.000438 U	**0.00188 J**	0.000580 U	0.00523 U	0.000766 U	0.000438 U	0.000755 U	0.00157 U	0.000748 U
	MW-304-85	10/01/19	85	-27.4	–	0.000438 U	**0.00264 J**	0.000580 U	0.00524 U	0.000767 U	0.000438 U	0.000756 U	0.00157 U	0.000748 U
	MW-304-90	10/01/19	90	-32.4	–	0.000480 U	**0.00223 J**	0.000635 U	0.00573 U	0.000839 U	0.000480 U	0.000827 U	0.00171 U	0.000819 U
	MW-304-95	10/01/19	95	-37.4	–	0.000474 U	**0.00263 J**	0.000628 U	0.00566 U	0.000829 U	0.000474 U	0.000818 U	0.00169 U	0.000809 U
	MW-2009-95	10/01/19	95 (dup)	-37.4	–	0.000481 U	**0.00217 J**	0.000637 U	0.00574 U	0.000841 U	0.000481 U	0.000829 U	0.00172 U	0.000820 U
	MW-304-100	10/02/19	100	-42.4	–	0.000471 U	**0.00206 J**	0.000625 U	0.00563 U	0.000825 U	0.000471 U	0.000813 U	0.00169 U	0.000805 U
	MW-304-105	10/02/19	105	-47.4	–	0.000468 U	**0.00166 J**	0.000620 U	0.00559 U	0.000819 U	0.000468 U	0.000807 U	0.00167 U	0.000799 U
	MW-304-110	10/02/19	110	-52.4	–	0.000506 U	**0.00321 J**	**0.000699 J**	0.00604 U	0.000885 U	0.000506 U	0.000872 U	0.00181 U	0.000864 U
	MW-304-115	10/02/19	115	-57.4	–	0.000466 U	**0.00223 J**	0.000617 U	0.00557 U	0.000816 U	0.000466 U	0.000804 U	0.00167 U	0.000796 U
MW-307 (-12.4 to -22.4)	MW-307-6	10/03/19	6	54.5	–	0.000447 U	**0.0131**	**0.000603 J**	0.00534 U	0.000783 U	0.000447 U	0.000771 U	0.00160 U	0.000764 U
	MW-307-10	10/03/19	10	50.5	–	**0.000462 J**	**0.0260**	**0.000971 J**	0.00551 U	0.000806 U	0.000460 U	0.000794 U	0.00165 U	0.000786 U
	MW-307-15	10/03/19	15	45.5	–	0.000431 U	**0.00403 J**	0.000571 U	0.00515 U	0.000754 U	0.000431 U	0.000743 U	0.00154 U	0.000736 U
	MW-307-20	10/03/19	20	40.5	–	0.000428 U	**0.00602**	0.000567 U	0.00511 U	0.000749 U	0.000428 U	0.000738 U	0.00153 U	0.00073 U
	MW-307-25	10/03/19	25	35.5	–	0.000439 U	**0.00675**	0.000581 U	0.00524 U	0.000768 U	0.000439 U	0.000757 U	0.00157 U	0.000749 U
	MW-307-30	10/03/19	30	30.5	–	0.000589 U	**0.0148**	0.000781 U	0.00705 U	0.00103 U	0.000589 U	0.00102 U	0.00211 U	0.00101 U
	MW-307-35	10/03/19	35	25.5	–	0.000428 U	**0.0111**	0.000567 U	0.00511 U	0.000749 U	0.000428 U	0.000738 U	0.00153 U	0.000731 U
	MW-307-40	10/03/19	40	20.5	–	0.000457 U	**0.00815**	0.000605 U	0.00546 U	0.000799 U	0.000457 U	0.000788 U	0.00163 U	0.00078 U
	MW-307-45	10/03/19	45	15.5	–	0.000441 U	**0.00846**	0.000585 U	0.00527 U	0.000772 U	0.000441 U	0.000761 U	0.00158 U	0.000753 U
	MW-307-50	10/03/19	50	10.5	–	0.000445 U	**0.0157**	0.000589 U	0.00532 U	0.000778 U	0.000445 U	0.000767 U	0.00159 U	0.000759 U
	MW-307-55	10/03/19	55	5.5	–	0.000434 U	**0.0104**	0.000575 U	0.00519 U	0.000760 U	0.000434 U	0.000749 U	0.00155 U	0.000742 U
	MW-307-60	10/03/19	60	0.5	–	0.000452 U	**0.00583**	0.000599 U	0.00540 U	0.000790 U	0.000452 U	0.000779 U	0.00161 U	0.000771 U
	MW-307-65	10/03/19	65	-4.5	–	0.000921 U	**0.0687**	**0.00148 J**	0.0110 U	0.00161 U	0.000921 U	0.00159 U	0.00329 U	0.00157 U
	MW-307-70	10/03/19	70	-9.5	–	0.004580 U	**0.0561 J**	0.00607 U	0.0547 U	0.00802 U	0.00458 U	0.00791 U	0.0164 U	0.00782 U
	MW-307-75	10/03/19	75	-14.5	–	0.000441 U	**0.0160**	0.000584 U	0.00527 U	0.000772 U	0.000441 U	0.000761 U	0.00158 U	0.000753 U
	MW-307-80	10/03/19	80	-19.5	–	0.000467 U	**0.0261**	0.000619 U	0.00558 U	0.000818 U	0.000467 U	0.000807 U	0.00167 U	0.000798 U
	MW-307-85	10/03/19	85	-24.5	–	**0.000836 J**	**0.0293**	**0.000962 J**	0.00548 U	0.000802 U	0.000458 U	0.000790 U	0.00164 U	0.000782 U
	MW-2016-85	10/03/19	85 (dup)	-24.5	–	**0.000722 J**	**0.0113**	**0.000584 J**	0.00516 U	0.000756 U	0.000432 U	0.000745 U	0.00154 U	0.000738 U
MW-309 (-32.0 to -42.0)	MW-309-5	09/19/19	5	25.4	–	**0.00514**	**0.0102**	**0.00118 J**	**0.00734 J**	**0.00188** J	0.000477 U	0.000823 U	0.00171 U	0.000815 U
	MW-309-10	09/19/19	10	20.4	**389**	**0.117**	0.0787 U	**0.121 J**	**0.400 J**	0.0440 U	0.0252 U	0.0434 U	0.0900 U	0.0429 U
	MW-309-13.5	09/19/19	13.5	16.9	**15.6**	**0.00485**	0.00153 U	**0.137**	0.00584 U	0.000855 U	0.000489 U	0.000843 U	0.00175 U	0.000834 U
	MW-309-15	09/19/19	15	15.4	**29.9**	**0.0766**	**0.0503**	**1.45**	**0.174**	0.00659 U	0.00377 U	0.00650 U	0.0134 U	0.00643 U
	MW-309-20	09/19/19	20	10.4	–	**0.150**	**0.0593**	**0.505**	**0.252**	0.000824 U	0.000471 U	0.000812 U	0.00168 U	0.000804 U
	MW-309-25	09/19/19	25	5.4	–	**0.0796**	**0.0132**	**0.258**	**0.0896**	0.000827 U	0.000473 U	0.000815 U	0.00169 U	0.000807 U

Table 4

2019 RI Soil Petroleum Hydrocarbons and CVOCs
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location and Well Screen Elevation (feet NAVD 88)	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)									
					GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
Screening Levels					**30**	**0.030**	**0.27**	**0.34**	**0.83**	**0.025**	**0.030**	**0.050**	**0.050**	**0.050**
MW-309 (continued)	MW-309-30	09/19/19	30	0.4	–	**0.00545**	**0.0250**	**0.00553**	**0.0159**	0.000836 U	0.000478 U	0.000824 U	0.00171 U	0.000816 U
	MW-309-35	09/19/19	35	-4.6	–	**0.0286**	**0.0200**	**0.000977 J**	0.00579 U	0.000849 U	0.000485 U	**0.00721**	0.00173 U	0.000828 U
	MW-309-40	09/19/19	40	-9.6	–	**0.0387**	**0.0381**	**0.00116 J**	0.00580 U	0.000849 U	0.000485 U	**0.170**	0.00173 U	0.000828 U
	MW-309-45	09/19/19	45	-14.6	–	**0.00557**	**0.0229**	0.000668 U	0.00603 U	0.000883 U	0.000505 U	**0.0154**	0.00180 U	0.000861 U
	MW-309-50	09/19/19	50	-19.6	–	0.000477 U	0.00149 U	0.000632 U	0.00570 U	0.000834 U	0.000477 U	0.000822 U	0.00170 U	0.000814 U
	MW-309-55	09/19/19	55	-24.6	–	0.000444 U	**0.0257**	**0.00151 J**	**0.00583 J**	0.000777 U	0.000444 U	**0.00184 J**	0.00159 U	0.000758 U
	MW-309-60	09/19/19	60	-29.6	–	0.000447 U	**0.0170**	0.000592 U	0.00534 U	0.000782 U	0.000447 U	0.000771 U	0.00160 U	0.000763 U
	MW-309-65	09/19/19	65	-34.6	–	0.000449 U	**0.0164**	**0.000785 J**	0.00537 U	0.000786 U	0.000449 U	0.000775 U	0.00161 U	0.000767 U
	MW-309-70	09/19/19	70	-39.6	–	0.000455 U	**0.0129**	**0.000668 J**	0.00544 U	0.000796 U	0.000455 U	0.000785 U	0.00163 U	0.000777 U
	MW-309-75	09/19/19	75	-44.6	–	0.000432 U	**0.0100**	0.000573 U	0.00517 U	0.000757 U	0.000432 U	0.000746 U	0.00155 U	0.000738 U
MW-311 (-29.0 to -39.0)	MW-311-5	09/18/19	5	28.1	–	**0.000644 J**	**0.00756**	0.000634 U	0.00572 U	**0.00286 J**	0.000479 U	0.000826 U	0.00171 U	0.000818 U
	MW-311-10	09/18/19	10	23.1	–	0.000460 U	**0.00875**	0.000610 U	0.00550 U	0.000806 U	0.000460 U	0.000794 U	0.00165 U	0.000786 U
	MW-311-15	09/18/19	15	18.1	–	0.00107 U	**0.0223**	0.00142 U	0.0128 U	0.00188 U	0.00107 U	0.00185 U	0.00384 U	0.00184 U
	MW-311-20	09/18/19	20	13.1	–	0.00112 U	**0.0469**	0.00148 U	0.0134 U	0.00196 U	0.00112 U	0.00193 U	0.00399 U	0.00192 U
	MW-311-25	09/18/19	25	8.1	–	0.00199 U	**0.196**	**0.006200 J**	0.0237 U	0.00348 U	0.00199 U	0.00343 U	0.00710 U	0.00339 U
	MW-311-30	09/18/19	30	3.1	–	0.00105 U	**0.0804**	**0.00392 J**	**0.0180**	0.00184 U	0.00105 U	0.00182 U	0.00376 U	0.00179 U
	MW-311-35	09/18/19	35	-1.9	–	0.000933 U	**0.0325**	**0.00252 J**	0.0112 U	0.00163 U	0.000933 U	0.00161 U	0.00334 U	0.00160 U
	MW-311-40	09/18/19	40	-6.9	–	**0.000752 J**	**0.0152**	**0.000683 J**	0.00560 U	**0.00251 J**	**0.00304**	**0.00613**	0.00168 U	0.00080 U
	MW-311-45	09/18/19	45	-11.9	–	0.000502 U	**0.00613 J**	0.000665 U	0.00600 U	**1.25**	**0.169**	**0.265**	**0.00184 J**	0.000857 U
	MW-311-50	09/18/19	50	-16.9	–	**0.000485 J**	**0.0181**	0.000619 U	0.00558 U	**1.31**	**0.151**	**0.232**	**0.00195 J**	0.000797 U
	MW-311-55	09/18/19	55	-21.9	–	**0.000690 J**	**0.0106**	0.000586 U	0.00528 U	**2.31**	**0.895**	**0.545**	**0.00191 J**	**0.0235**
	MW-311-60	09/18/19	60	-26.9	–	0.000877 U	**0.0290**	**0.00131 J**	0.0105 U	**0.00274 J**	**0.0106**	**0.141**	0.00313 U	**0.0232**
	MW-311-65	09/18/19	65	-31.9	–	0.000424 U	**0.0112**	0.000562 U	0.00507 U	0.000742 U	**0.000817 J**	**0.00153 J**	0.00152 U	**0.00565**
	MW-2005-65	09/18/19	65 (dup)	-31.9	–	**0.000507 J**	**0.0123**	**0.000641 J**	0.00524 U	**0.00113 J**	0.000439 U	0.000757 U	0.00157 U	**0.00442**
	MW-311-70	09/18/19	70	-36.9	–	0.000441 U	**0.00420 J**	0.000584 U	0.00527 U	**0.00142 J**	**0.000483 J**	0.000760 U	0.00158 U	0.000753 U
	MW-2006-70	09/18/19	70 (dup)	-36.9	–	0.000501 U	**0.0128**	0.000664 U	0.00599 U	**0.000894 J**	0.000501 U	**0.0434**	0.00179 U	0.000856 U
MW-312 (19.9 to9.9)	MW-312-6	09/16/19	6	29.6	–	**0.000742 J**	**0.00946**	0.000645 U	0.00582 U	0.000852 U	0.000487 U	0.000839 U	0.00174 U	0.000831 U
	MW-312-10	09/16/19	10	25.6	–	**0.00135 J**	**0.0225**	**0.00123 J**	0.009700 U	0.00142 U	0.000812 U	0.00140 U	0.00290 U	0.00139 U
	MW-312-15	09/16/19	15	20.6	–	**0.00168**	**0.0408**	**0.00573**	**0.0241**	0.000968 U	0.000553 U	**0.00114 J**	0.00198 U	0.000944 U
	MW-312-20	09/16/19	20	15.6	–	0.000433 U	**0.00520 J**	0.000573 U	0.00517 U	0.000757 U	0.000433 U	0.000747 U	0.00155 U	0.000739 U
	MW-2004-20	09/16/19	20	15.6	–	0.000462 U	**0.00987**	0.000612 U	0.00552 U	0.000808 U	0.000462 U	0.000797 U	0.00165 U	0.000789 U
	MW-312-25	09/16/19	25	10.6	–	**0.00102 J**	**0.00658**	0.000593 U	**0.00660 J**	0.000783 U	0.000447 U	0.000772 U	0.00160 U	0.000764 U
MW-314 (-28.0 to -38.0)	MW-314-6	09/13/19	6	33.8	–	**0.000909 J**	**0.00468 J**	**0.000803 J**	**0.00561 J**	**0.00325**	0.000454 U	0.000784 U	0.00162 U	0.000776 U
	MW-314-10	09/13/19	10	29.8	–	0.000459 U	**0.00970**	0.000608 U	0.00549 U	0.000803 U	0.000459 U	0.000791 U	0.00165 U	0.000784 U
	MW-314-15	09/13/19	15	24.8	–	0.000450 U	**0.0101**	0.000596 U	0.00538 U	0.000788 U	0.000450 U	0.000776 U	0.00161 U	0.000768 U
	MW-314-20	09/13/19	20	19.8	–	**0.000940 J**	**0.00875**	0.000608 U	0.00549 U	0.000803 U	**0.00105 J**	**0.00292**	0.00164 U	0.000784 U
	MW-314-25	09/13/19	25	14.8	–	0.000508 U	**0.00372 J**	0.000673 U	0.00607 U	0.000889 U	0.000508 U	**0.00456**	0.00182 U	**0.00563**
	MW-2002-25	09/13/19	25	14.8	–	0.000505 U	**0.00170 J**	0.000669 U	0.00603 U	0.000884 U	0.000505 U	**0.00211 J**	0.00181 U	0.000862 U
	MW-314-30	09/13/19	30	9.8	–	0.000498 U	**0.00696**	0.000659 U	0.00595 U	**0.0637**	**0.116**	**0.0481**	0.00178 U	**0.00230 J**
	MW-314-35	09/13/19	35	4.8	–	0.000429 U	**0.0118**	0.000569 U	0.00513 U	**1.14**	**0.449**	**0.776**	**0.00420 J**	**0.0238**
	MW-314-40	09/13/19	40	-0.2	–	0.000446 U	**0.00627**	0.000591 U	0.00533 U	**0.0258**	**0.199**	**2.55**	**0.00469 J**	**0.0515**
	MW-314-45	09/13/19	45	-5.2	–	**0.000799 J**	**0.00815**	0.000587 U	0.00529 U	**0.00151** J	**0.00106 J**	**0.00457**	0.00158 U	**0.00391**
	MW-314-50	09/13/19	50	-10.2	–	0.000445 U	**0.00713**	0.000590 U	0.00532 U	**0.000779** U	0.000445 U	**0.313**	0.00159 U	0.000760 U

Table 4

2019 RI Soil Petroleum Hydrocarbons and CVOCs
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location and Well Screen Elevation (feet NAVD 88)	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)									
					GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
				Screening Levels	**30**	**0.030**	**0.27**	**0.34**	**0.83**	**0.025**	**0.030**	**0.050**	**0.050**	**0.050**
MW-314 (continued)	MW-314-55	09/13/19	55	-15.2	–	0.000483 U	**0.00644**	0.000640 U	0.00577 U	0.000845 U	0.000483 U	**0.406**	0.00173 U	**0.0756**
	MW-314-60	09/13/19	60	-20.2	–	0.000442 U	**0.00757**	0.000586 U	0.00529 U	0.000774 U	0.000442 U	**0.102**	0.00158 U	**0.0239**
	MW-314-65	09/13/19	65	-25.2	–	0.000454 U	**0.00364 J**	0.000602 U	0.00543 U	0.000795 U	0.000454 U	**0.0843**	0.00162 U	0.000775 U
	MW-314-70	09/13/19	70	-30.2	–	0.00486 U	**0.0338 J**	0.00644 U	0.0581 U	**0.298**	**0.138**	**0.0502**	0.0174 U	0.00830 U
	MW-314-75	09/13/19	75	-35.2	–	0.000913 U	**0.00677 J**	0.00121 U	0.0109 U	**0.0441**	**0.124**	**0.153**	0.00327 U	0.00156 U
	MW-314-80	09/13/19	80	-40.2	–	0.000597 U	**0.00446 J**	0.000792 U	0.00713 U	**0.0160**	**0.100**	**0.139**	0.00213 U	0.00102 U
MW-316 (-10.0 to -20.0)	MW-316-5	09/09/19	5	44.8	–	0.000433 U	**0.00780**	0.000574 U	0.00517 U	0.000758 U	0.000433 U	0.000747 U	0.00155 U	0.000739 U
	MW-316-10	09/09/19	10	39.8	–	0.000453 U	**0.0197**	0.000600 U	0.00541 U	0.000792 U	0.000453 U	0.000781 U	0.00162 U	0.000773 U
	MW-316-15	09/09/19	15	34.8	–	0.000450 U	**0.00457 J**	0.000596 U	0.00537 U	0.000787 U	0.000450 U	0.000776 U	0.00161 U	0.000768 U
	MW-316-20	09/09/19	20	29.8	–	0.000431 U	**0.00535 J**	0.000572 U	0.00516 U	**0.00305**	0.000431 U	0.000744 U	0.00154 U	0.000737 U
	MW-316-25	09/09/19	25	24.8	–	0.000454 U	**0.00791**	0.000601 U	0.00542 U	0.000794 U	0.000454 U	**0.00142 J**	0.00162 U	0.000775 U
	MW-316-30	09/09/19	30	19.8	–	0.000444 U	**0.00612**	0.000588 U	0.00530 U	0.000777 U	0.000444 U	0.000766 U	0.00159 U	0.000758 U
	MW-316-35	09/09/19	35	14.8	–	0.000452 U	**0.00707**	0.000598 U	0.00540 U	0.000790 U	0.000452 U	0.000779 U	0.00161 U	0.000771 U
	MW-316-40	09/09/19	40	9.8	–	0.000455 U	**0.00483 J**	0.000603 U	0.00544 U	0.000797 U	0.000455 U	0.000785 U	0.00163 U	0.000777 U
	MW-316-45	09/09/19	45	4.8	–	0.000445 U	**0.00703**	0.000589 U	0.00532 U	0.000778 U	0.000445 U	0.000767 U	0.00159 U	0.000759 U
	MW-316-50	09/09/19	50	-0.2	–	0.000479 U	**0.0112**	0.000634 U	0.00572 U	0.000838 U	0.000479 U	0.000826 U	0.00171 U	0.000817 U
	MW-316-55	09/09/19	55	-5.2	–	0.000453 U	**0.00464 J**	0.000600 U	0.00541 U	0.000793 U	0.000453 U	0.000781 U	0.00162 U	0.000774 U
	MW-316-60	09/09/19	60	-10.2	–	0.000450 U	**0.00596**	0.000596 U	0.00537 U	0.000787 U	0.000450 U	0.000776 U	0.00161 U	0.000768 U
	MW-316-65	09/10/19	65	-15.2	–	0.000599 U	**0.0131**	0.000794 U	0.00715 U	0.00105 U	0.000599 U	0.00103 U	0.00214 U	0.00102 U
	MW-2001-65	09/10/19	65	-15.2	–	0.000474 U	**0.00811**	0.000628 U	0.00566 U	0.000829 U	0.000474 U	0.000817 U	0.00169 U	0.000809 U
	MW-316-70	09/10/19	70	-20.2	–	0.000453 U	**0.00694**	0.000600 U	0.00541 U	0.000792 U	0.000453 U	0.000781 U	0.00162 U	0.000773 U
MW-319 (-42.8 to -52.8)	MW-319-6	09/18/19	6	25.7	–	**0.000468 J**	**0.0154**	**0.00182 J**	**0.0102**	0.000812 U	0.000464 U	0.000801 U	0.00166 U	0.000792 U
	MW-319-10	09/18/19	10	21.7	–	0.000461 U	**0.00939**	0.000611 U	0.00551 U	**0.00247 J**	0.000461 U	0.000796 U	0.00165 U	0.000787 U
	MW-319-15	09/18/19	15	16.7	–	0.000458 U	**0.0147**	0.000607 U	0.00548 U	0.000802 U	0.000458 U	0.000790 U	0.00164 U	0.000782 U
	MW-319-20	09/18/19	20	11.7	–	0.000495 U	**0.00844**	0.000656 U	0.00592 U	0.000867 U	0.000495 U	0.000855 U	0.00177 U	0.000846 U
	MW-319-30	09/18/19	30	1.7	–	0.000457 U	**0.0140**	0.000606 U	0.00546 U	0.000800 U	0.000457 U	0.000789 U	0.00163 U	0.000781 U
	MW-319-35	09/18/19	35	-3.3	–	**0.00112 J**	**0.0151**	0.000668 U	0.00603 U	0.000883 U	0.000504 U	0.00087 U	0.00180 U	0.000861 U
	MW-319-40	09/18/19	40	-8.3	–	0.000472 U	**0.00939**	0.000626 U	0.00564 U	0.000826 U	0.000472 U	0.000815 U	0.00169 U	0.000806 U
	MW-319-45	09/18/19	45	-13.3	–	0.000475 U	**0.00874**	0.000629 U	0.00568 U	0.000831 U	0.000475 U	0.000819 U	0.00170 U	0.000811 U
	MW-319-50	09/18/19	50	-18.3	–	**0.0772**	**0.00662**	0.000647 U	0.00584 U	0.000855 U	0.000488 U	0.000843 U	0.00175 U	0.000834 U
	MW-319-55	09/18/19	55	-23.3	–	**0.0431**	**0.0279**	**0.00373**	**0.0102**	0.000884 U	0.000505 U	**0.00211 J**	0.00181 U	0.000863 U
	MW-319-60	09/18/19	60	-28.3	–	**0.0132**	**0.0130**	**0.00761**	**0.0217**	0.000831 U	0.000475 U	**0.00497**	0.00170 U	0.000811 U
	MW-319-65	09/18/19	65	-33.3	–	**0.00411**	**0.0141**	**0.00104 J**	**0.00713 J**	**0.0230**	**0.00875**	**0.0139**	0.00182 U	0.000871 U
	MW-319-70	09/18/19	70	-38.3	–	0.000487 U	**0.0148**	0.000646 U	0.00582 U	0.000853 U	0.000487 U	**0.0396**	0.00174 U	0.000832 U
	MW-2007-70	09/18/19	70 (dup)	-38.3	–	**0.00100 J**	**0.0366**	**0.00168 J**	0.0102 U	**0.00375 J**	0.000852 U	0.00147 U	0.00305 U	0.00146 U
	MW-319-75	09/18/19	75	-43.3	–	**0.000448 J**	**0.00954**	0.000587 U	0.00529 U	**0.0181**	**0.00318**	**0.194**	0.00158 U	0.000757 U
	MW-319-80	09/18/19	80	-48.3	–	0.000486 U	**0.00815**	0.000644 U	0.00581 U	**0.0693**	**0.0662**	**0.00625**	0.00174 U	0.000830 U
	MW-319-85	09/18/19	85	-53.3	–	0.000481 U	**0.0106**	0.000638 U	0.00575 U	**0.0387**	**0.0562**	**0.0308**	0.00172 U	0.000822 U
MW-320 (18.6 to8.6)	MW-320-19	09/29/19	19	15.1	**707**	0.00894 U	0.0279 U	0.0118 U	0.107 U	0.0156 U	0.00894 U	0.0154 U	0.0319 U	0.0153 U
	MW-320-27	09/29/19	27	7.1	0.982 U	0.000463 U	**0.0110**	0.000614 U	0.00554 U	0.000811 U	0.000463 U	0.000799 U	0.00166 U	0.000791 U
MW-323 (-65.4 to -75.4)	MW-323-10	09/28/19	10	24.7	–	**0.0151**	**0.0310**	0.00129 U	0.0117 U	**0.0312**	0.000975 U	**0.0168**	0.00349 U	0.00167 U
	MW-2012-10	09/28/19	10 (dup)	24.7	–	0.000500 U	**0.0132**	0.000662 U	0.00598 U	**0.000875** U	0.000500 U	0.000862 U	0.00178 U	0.000853 U

Table 4

2019 RI Soil Petroleum Hydrocarbons and CVOCs
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location and Well Screen Elevation (feet NAVD 88)	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)															
					GRO	Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
Screening Levels					**30**	**0.030**		**0.27**		**0.34**		**0.83**		**0.0106**		**0.030**		**0.050**		**0.050**		**0.050**	
MW-323 (continued)	MW-323-15	09/28/19	15	19.7	–	**0.00140**	**J**	**0.0548**		0.00121	U	0.0110	U	**0.0106**		0.000917	U	0.00158	U	0.00328	U	0.00156	U
	MW-323-20	09/28/19	20	14.7	–	**0.00348**		**0.0313**		**0.0194**		**0.0535**		0.00079	U	0.000452	U	**0.000998**	**J**	0.00161	U	0.000771	U
	MW-323-25	09/28/19	25	9.7	–	0.000456	U	**0.0107**		0.000604	U	0.00545	U	0.000798	U	0.000456	U	**0.00136**	**J**	0.00163	U	0.000779	U
	MW-323-30	09/28/19	30	4.7	–	0.000850	U	**0.0475**		0.00113	U	0.0102	U	0.00149	U	0.000850	U	**0.00335**	**J**	0.00304	U	0.00145	U
	MW-323-35	09/28/19	35	-0.4	–	0.000514	U	**0.0141**		0.000681	U	0.00614	U	0.000900	U	0.000514	U	**0.00305**	**J**	0.00184	U	0.000878	U
	MW-323-40	09/28/19	40	-5.4	–	0.000514	U	**0.0104**		0.000681	U	0.00614	U	0.000899	U	0.000514	U	**0.00321**	**J**	0.00184	U	0.000877	U
	MW-323-45	09/28/19	45	-10.4	–	0.000512	U	**0.0145**		0.000678	U	0.00612	U	0.000896	U	0.000512	U	0.000883	U	0.00183	U	0.000874	U
	MW-323-50	09/28/19	50	-15.4	–	**0.000730**	**J**	**0.0193**		0.000610	U	0.00550	U	0.000806	U	**0.00121**		**0.00257**	**J**	0.00165	U	0.000786	U
	MW-323-55	09/28/19	55	-20.4	–	**0.00179**		**0.0178**		0.000618	U	0.00557	U	**0.120**		**0.0144**		**0.682**		**0.0053**	**J**	**0.00604**	
	MW-323-60	09/28/19	60	-25.4	–	**0.000767**	**J**	**0.0510**		**0.00146**	**J**	0.00613	U	**0.0806**		**0.0165**		**2.13**		**0.0110**		**0.0218**	
	MW-2010-60	09/28/19	60 (dup)	-25.4	–	0.000488	U	**0.0171**		0.000646	U	0.00583	U	**0.0928**		**0.0177**		**1.93**		**0.00987**		**0.0239**	
	MW-323-65	09/28/19	65	-30.4	–	0.000481	U	**0.00820**		0.000637	U	0.00574	U	**0.0696**		**0.0520**		**3.03**		**0.0114**		**0.0403**	
	MW-323-70	09/28/19	70	-35.4	–	0.0673	U	0.211	U	0.0892	U	0.804	U	0.118	U	0.0673	U	0.116	U	0.241	U	0.115	U
	MW-323-75	09/28/19	75	-40.4	–	0.000470	U	**0.0181**		0.000623	U	0.00562	U	**0.0408**		**0.0322**		**2.13**		**0.00790**		**0.0186**	
	MW-323-80	09/28/19	80	-45.4	–	0.000452	U	**0.0101**		0.000599	U	0.00540	U	**0.0303**		**0.321**		**0.453**		0.00162	U	**0.00582**	
	MW-323-85	09/28/19	85	-50.4	–	0.000479	U	**0.0140**		0.000635	U	0.00572	U	**0.0231**		**0.416**		**0.794**		**0.00811**		**0.0151**	
	MW-323-91	09/28/19	91	-56.4	–	0.00113	U	**0.0482**		0.00150	U	0.0136	U	**0.0125**		**0.0990**		**1.61**		0.00405	U	**0.0225**	
	MW-323-95	09/28/19	95	-60.4	–	0.000480	U	**0.00831**		0.000635	U	0.00573	U	**0.00833**		**0.0303**		**0.433**		0.00171	U	**0.0195**	
	MW-323-99	09/28/19	99	-64.4	–	0.000462	U	**0.00869**		0.000613	U	0.00553	U	0.000809	U	**0.0115**		**0.325**		0.00165	U	**0.0146**	
	MW-323-105	09/28/19	105	-70.4	–	0.000472	U	**0.00492**	**J**	0.000626	U	0.00564	U	0.000827	U	0.000472	U	0.000815	U	0.00169	U	0.000806	U
	MW-323-110	09/28/19	110	-75.4	–	0.000980	U	**0.0546**		0.00129	U	0.0117	U	0.00171	U	0.000980	U	**0.0150**		0.00351	U	0.00168	U
MW-324 (-32.1 to -42.1)	MW-324-6	09/12/19	6	28.3	–	0.000450	U	**0.00454**	**J**	0.000596	U	0.00538	U	0.000787	U	0.000450	U	0.000776	U	0.00161	U	0.000768	U
	MW-324-10	09/12/19	10	24.3	–	0.000463	U	**0.00790**		0.000614	U	0.00553	U	**0.00158**	J	0.000463	U	**0.00566**		0.00166	U	0.000791	U
	MW-324-15	09/12/19	15	19.3	–	0.000437	U	**0.00601**		0.000579	U	0.00522	U	0.000764	U	0.000437	U	0.000754	U	0.00156	U	0.000746	U
	MW-324-20	09/12/19	20	14.3	–	**0.00362**		**0.00659**		0.000618	U	0.00558	U	0.000817	U	0.000467	U	0.000805	U	0.00167	U	0.000797	U
	MW-324-25	09/12/19	25	9.3	–	**0.00177**		**0.0111**		**0.00114**	**J**	**0.00688**	**J**	0.000826	U	0.000472	U	**0.0120**		0.00169	U	0.000806	U
	MW-324-30	09/12/19	30	4.3	–	0.000492	U	**0.0128**		0.000652	U	0.00588	U	0.000860	U	0.000492	U	**0.0354**		0.00176	U	0.00084	U
	MW-324-35	09/12/19	35	-0.7	–	0.000478	U	**0.00528**	**J**	0.000633	U	0.00571	U	0.000836	U	0.000478	U	**0.000860**	**J**	0.00171	U	0.000815	U
	MW-324-40	09/12/19	40	-5.7	–	0.000483	U	**0.00569**	**J**	0.000641	U	0.00578	U	0.000846	U	0.000483	U	0.000834	U	0.00173	U	0.000826	U
	MW-324-45	09/12/19	45	-10.7	–	0.000503	U	**0.00913**		0.000667	U	0.00602	U	0.000881	U	0.000503	U	**0.00905**		0.00180	U	0.000860	U
	MW-324-50	09/12/19	50	-15.7	–	0.000400	U	**0.00369**	**J**	0.000530	U	0.00478	U	0.000700	U	0.000400	U	0.000690	U	0.00143	U	0.000683	U
	MW-324-55	09/12/19	55	-20.7	–	**0.0148**		**0.00501**	**J**	0.000601	U	0.00542	U	0.000793	U	0.000453	U	**0.0143**		0.00162	U	**0.00110**	**J**
	MW-324-60	09/12/19	60	-25.7	–	**0.00992**		**0.00977**		0.000601	U	0.00542	U	0.000793	U	0.000453	U	**0.213**		**0.00171**	**J**	**0.0200**	
	MW-324-65	09/12/19	65	-30.7	–	**0.00303**		**0.0132**		0.000623	U	0.00563	U	**0.0115**		**0.0441**		**2.47**		**0.0113**		**0.0467**	
	MW-324-70	09/12/19	70	-35.7	–	**0.00121**	**J**	**0.00820**		0.000658	U	0.00593	U	**0.00674**		**0.0806**		**2.15**		**0.00850**		**0.0218**	
	MW-324-75	09/12/19	75	-40.7	–	**0.000555**	**J**	**0.00848**		0.000665	U	0.00599	U	**0.0516**		**0.0194**		**1.47**		**0.00586**	**J**	**0.00486**	
	MW-324-80	09/12/19	80	-45.7	–	**0.000689**	**J**	**0.0129**		0.000663	U	0.00598	U	0.000876	U	0.000501	U	**2.01**		**0.00696**		**0.0106**	
MW-326 (-48.7 to -58.7)	MW-326-5	09/09/19	5	36.3	–	**0.00274**		**0.00961**		**0.00213**	**J**	**0.00846**		0.000771	U	0.000441	U	0.000760	U	0.00158	U	0.000753	U
	MW-326-10	09/09/19	10	31.3	–	0.000532	U	**0.00821**		0.000705	U	0.00636	U	0.000932	U	0.000532	U	0.000918	U	0.00191	U	0.000909	U
	MW-326-15	09/09/19	15	26.3	–	0.000468	U	**0.00821**		0.000620	U	0.00559	U	0.000819	U	0.000468	U	0.000807	U	0.00167	U	0.000799	U
	MW-326-20	09/09/19	20	21.3	–	0.000468	U	**0.00613**		0.000620	U	0.00560	U	0.000819	U	0.000468	U	0.000808	U	0.00167	U	0.000800	U
	MW-326-25	09/09/19	25	16.3	–	0.000496	U	**0.00595**	**J**	0.000658	U	0.00593	U	0.000869	U	0.000496	U	0.000856	U	0.00177	U	0.000848	U
	MW-326-30	09/09/19	30	11.3	–	0.001610	U	**0.0174**	**J**	0.00214	U	0.0193	U	0.00283	U	0.00161	U	0.00279	U	0.00578	U	0.00277	U

Table 4

2019 RI Soil Petroleum Hydrocarbons and CVOCs
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location and Well Screen Elevation (feet NAVD 88)	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Levels	30		0.030		0.27		0.34		0.83		0.025		0.030		0.050		0.050		0.050	
MW-326 (continued)	MW-326-35	09/09/19	35	6.3	–		0.000495	U	**0.00819**		0.000655	U	0.00591	U	0.000866	U	0.000495	U	0.000853	U	0.00177	U	0.000845	U
	MW-326-40	09/09/19	40	1.3	–		0.000477	U	**0.00812**		0.000632	U	0.00570	U	0.000835	U	0.000477	U	0.000823	U	0.00171	U	0.000815	U
	MW-326-45	09/09/19	45	-3.7	–		0.000482	U	**0.00790**		0.000638	U	0.00576	U	0.000843	U	**0.00169**		**0.0617**		0.00172	U	0.000823	U
	MW-326-50	09/09/19	50	-8.7	–		0.000457	U	**0.00480**	**J**	0.000606	U	0.00546	U	**0.101**	**J**	**0.0145**		**0.00570**		0.00163	U	0.000781	U
	MW-326-55	09/09/19	55	-13.7	–		0.000487	U	**0.0143**		0.000645	U	0.00581	U	0.00106	U	0.000487	U	**0.0150**		0.00174	U	0.000831	U
	MW-326-60	09/09/19	60	-18.7	–		0.000435	U	**0.00380**	**J**	0.000576	U	0.00520	U	0.000761	U	0.000435	U	**0.00433**		0.00155	U	0.000742	U
	MW-326-65	09/09/19	65	-23.7	–		**0.000517**	**J**	**0.00667**		0.000614	U	0.00554	U	**0.00753**		**0.00243**		**0.00508**		0.00166	U	0.000792	U
	MW-326-70	09/09/19	70	-28.7	–		0.000487	U	**0.00699**		0.000646	U	0.00582	U	0.000853	U	0.000487	U	**0.00136**	**J**	0.00174	U	0.000832	U
	MW-326-75	09/09/19	75	-33.7	–		0.000485	U	**0.00783**		0.000643	U	0.00579	U	0.000849	U	0.000485	U	0.000836	U	0.00173	U	0.000828	U
	MW-326-80	09/09/19	80	-38.7	–		0.000475	U	**0.00436**	**J**	0.000630	U	0.00568	U	0.000832	U	0.000475	U	0.000820	U	0.00170	U	0.000812	U
	MW-326-85	09/10/19	85	-43.7	–		0.000467	U	**0.00342**	**J**	0.000619	U	0.00559	U	0.000818	U	0.000467	U	0.000806	U	0.00167	U	0.000798	U
	MW-326-90	09/10/19	90	-48.7	–		0.000471	U	**0.00651**		0.000624	U	0.00563	U	0.000824	U	0.000471	U	0.000812	U	0.00168	U	0.000804	U
	MW-326-95	09/10/19	95	-53.7	–		0.000449	U	**0.0102**		0.000595	U	0.00537	U	0.000786	U	0.000449	U	0.000775	U	0.00161	U	0.000767	U
	MW-200I-95	09/10/19	95 (dup)	-53.7	–		0.000456	U	**0.00797**		**0.000891**	**J**	0.00545	U	0.000798	U	0.000456	U	0.000787	U	0.00163	U	0.000779	U
	MW-326-100	09/10/19	100	-58.7	–		0.000483	U	**0.0108**		0.000640	U	0.00578	U	0.000846	U	0.000483	U	0.000834	U	0.00173	U	0.000825	U
MW-328 (-36.1 to -46.1)	MW-328-5	09/16/19	5	23.4	–		0.000476	U	**0.0262**		**0.000952**	**J**	0.00568	U	0.000832	U	0.000476	U	0.000820	U	0.00170	U	0.000812	U
	MW-328-10	09/16/19	10	18.4	–		0.000550	U	**0.00851**		0.000728	U	0.00657	U	0.000962	U	0.000550	U	0.000948	U	0.00197	U	0.000939	U
	MW-328-15	09/16/19	15	13.4	–		0.000491	U	**0.00559**	**J**	0.000651	U	0.00587	U	0.000859	U	0.000491	U	0.000847	U	0.00176	U	0.000838	U
	MW-328-20	09/16/19	20	8.4	–		**0.000985**	**J**	**0.0178**		0.000633	U	0.00571	U	0.000836	U	0.000478	U	**0.0304**		0.00171	U	0.000816	U
	MW-328-30	09/16/19	30	-1.6	–		0.00943	U	**0.207**		0.0125	U	0.113	U	0.0165	U	0.00943	U	0.0163	U	0.0337	U	0.0160	U
	MW-328-35	09/16/19	35	-6.6	–		**0.00117**	**J**	**0.00781**		0.000681	U	0.00615	U	0.000900	U	0.000514	U	0.000886	U	0.00184	U	0.000878	U
	MW-328-40	09/16/19	40	-11.6	–		0.00116	U	**0.00849**	**J**	0.00154	U	0.0139	U	0.00204	U	0.00116	U	0.00201	U	0.00416	U	0.00199	U
	MW-328-45	09/16/19	45	-16.6	–		0.000493	U	**0.00519**	**J**	0.000654	U	0.00589	U	0.000863	U	0.000493	U	0.000851	U	0.00176	U	0.000842	U
	MW-328-50	09/16/19	50	-21.6	–		0.0147	U	**0.299**		0.0195	U	0.175	U	0.0257	U	0.0147	U	0.0253	U	0.0524	U	0.0251	U
	MW-328-55	09/16/19	55	-26.6	–		0.000476	U	**0.00690**		0.000631	U	0.00569	U	0.000833	U	0.000476	U	0.000821	U	0.00170	U	0.000813	U
	MW-328-60	09/16/19	60	-31.6	–		0.000481	U	**0.00798**		0.000637	U	0.00575	U	0.000842	U	0.000481	U	0.000830	U	0.00172	U	0.000821	U
	MW-328-65	09/16/19	65	-36.6	–		0.000466	U	**0.00736**		0.000618	U	0.00557	U	0.000816	U	0.000466	U	**0.00706**		0.00167	U	0.000796	U
	MW-328-70	09/16/19	70	-41.6	–		**0.0250**		**0.00601**	**J**	0.000638	U	0.00576	U	0.000843	U	0.000482	U	**0.0265**		0.00172	U	0.000822	U
	MW-328-75	09/16/19	75	-46.6	–		**0.0475**		**0.00701**		0.000618	U	0.00558	U	0.000816	U	0.000467	U	**0.0192**		0.00167	U	0.000797	U
	MW-328-80	09/16/19	80	-51.6	–		**0.0407**		**0.00605**	**J**	0.000699	U	0.00631	U	0.000923	U	0.000528	U	**0.0204**		0.00189	U	0.000901	U
MW-329 (-69.0 to -79.0)	MW-329-5	09/12/19	5	24.3	–		0.000428	U	**0.00386**	**J**	0.000566	U	0.00511	U	0.000748	U	0.000428	U	**0.00156**	**J**	0.00153	U	0.000730	U
	MW-329-10	09/12/19	10	19.3	–		0.000421	U	**0.0318**		0.000558	U	0.00503	U	0.000736	U	0.000421	U	**0.000902**	**J**	0.00150	U	0.000718	U
	MW-329-15	09/12/19	15	14.3	–		0.000439	U	**0.00428**	**J**	0.000582	U	0.00525	U	0.000769	U	0.000439	U	0.000758	U	0.00157	U	0.000750	U
	MW-329-20	09/12/19	20	9.3	–		**0.00199**		**0.00671**	**J**	**0.00123**	**J**	**0.00687**	**J**	0.000968	U	0.000553	U	0.000954	U	0.00198	U	0.000944	U
	MW-329-25	09/12/19	25	4.3	–		0.000573	U	**0.00417**	**J**	0.000760	U	0.00685	U	0.00100	U	0.000573	U	0.000989	U	0.00205	U	0.000979	U
	MW-329-30	09/12/19	30	-0.7	–		**0.00404**		**0.00491**	**J**	0.000655	U	0.00590	U	0.000865	U	0.000494	U	0.000852	U	0.00177	U	0.000844	U
	MW-329-35	09/12/19	35	-5.7	–		0.000490	U	**0.00574**	**J**	0.000649	U	0.00586	U	0.000858	U	0.000490	U	0.000846	U	0.00175	U	0.000837	U
	MW-329-40	09/12/19	40	-10.7	–		0.000493	U	**0.00891**		0.000653	U	0.00589	U	0.000863	U	0.000493	U	0.000850	U	0.00176	U	0.000842	U
	MW-329-45	09/12/19	45	-15.7	–		0.000477	U	**0.00430**	**J**	0.000632	U	0.00570	U	0.000835	U	0.000477	U	0.000823	U	0.00171	U	0.000815	U
	MW-329-50	09/12/19	50	-20.7	–		0.000493	U	**0.00912**		0.000653	U	0.00589	U	0.000863	U	0.000493	U	0.000851	U	0.00176	U	0.000842	U
	MW-2003-50	09/12/19	50 (dup)	-20.7	–		0.000437	U	**0.00455**	**J**	0.000579	U	0.00522	U	0.000765	U	0.000437	U	0.000754	U	0.00156	U	0.000746	U
	MW-329-55	09/12/19	55	-25.7	–		0.000462	U	**0.00740**		0.000612	U	0.00552	U	0.000808	U	0.000462	U	0.000797	U	0.00165	U	0.000788	U
	MW-329-60	09/12/19	60	-30.7	–		**0.00207**		**0.00462**	**J**	0.000620	U	0.00559	U	0.000819	U	0.000468	U	**0.00179**	**J**	0.00167	U	0.000799	U

Table 4

2019 RI Soil Petroleum Hydrocarbons and CVOCs
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location and Well Screen Elevation (feet NAVD 88)	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Results (milligrams per kilogram)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Levels	30		0.030		0.27		0.34		0.83		0.025		0.030		0.050		0.050		0.050	
MW-329 (continued)	MW-329-65	09/12/19	65	-35.7	–		**0.0241**		**0.00466**	**J**	0.000619	U	0.00559	U	0.000818	U	0.000467	U	**0.0140**		0.00167	U	0.000798	U
	MW-329-70	09/12/19	70	-40.7	–		**0.0340**		**0.00431**	**J**	0.000618	U	0.00557	U	0.000816	U	0.000466	U	**0.0403**		0.00167	U	**0.0167**	
	MW-329-75	09/12/19	75	-45.7	–		**0.0265**		**0.0104**		0.000607	U	0.00548	U	0.000802	U	0.000458	U	**0.0637**		0.00164	U	0.000783	U
	MW-329-80	09/12/19	80	-50.7	–		**0.0240**		**0.00376**	**J**	0.000644	U	0.00581	U	0.000850	U	0.000486	U	**0.103**		0.00174	U	0.000830	U
	MW-329-85	09/12/19	85	-55.7	–		**0.0597**		**0.00654**		0.000620	U	0.00559	U	0.000818	U	0.000468	U	**0.261**		0.00167	U	**0.0751**	
	MW-329-90	09/12/19	90	-60.7	–		**0.0182**		**0.00704**		0.000623	U	0.00562	U	0.000823	U	0.000470	U	**0.136**		0.00168	U	0.000803	U
	MW-329-95	09/12/19	95	-65.7	–		**0.000753**	**J**	**0.00569**	**J**	0.000629	U	0.00568	U	0.000831	U	0.000475	U	**0.0246**		0.00170	U	0.000811	U
	MW-329-100	09/12/19	100	-70.7	–		0.000476	U	**0.00926**		0.000631	U	0.00569	U	0.000833	U	0.000476	U	**0.0119**		0.00170	U	0.000813	U
	MW-329-105	09/12/19	105	-75.7	–		0.000440	U	**0.00362**	**J**	0.000583	U	0.00526	U	0.000771	U	0.000440	U	**0.00860**		0.00157	U	0.000752	U
	MW-329-110	09/12/19	110	-80.7	–		0.000437	U	0.00137	U	0.000579	U	0.00522	U	0.000765	U	0.000437	U	0.000754	U	0.00156	U	0.000746	U

Notes:

1. GRO analyzed by Ecology Method NWTPH-Gx.
2. VOCs analyzed by EPA Method8260C.
3. Detected results shown in bold, detections above the screening levels highlighted in gray.
4. – = results not available or results not analyzed/measured.
5. J = the reported concentration is an estimate based on detectable results between the method detection limit and reporting limit, laboratory QA/QC, or data validation review.
6. U = not detected at a concentration exceeding laboratory reporting limit.
7. GRO = gasoline-range organics.
8. PCE = perchloroethylene (tetrachloroethene).
9. TCE = trichloroethene.
10. cDCE = cis-1,2-dichloroethene.
11. tDCE = trans-1,2-dichloroethene.
12. VC = vinyl chloride.
13. bgs = below ground surface.
14. NAVD 88 = North American Vertical Datum of 1988.
15. dup = duplicate.

Table 5

CVOCs in Shallow Zone Groundwater
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				RI Screening Level	**800**		**0.5**		**72**		**29**		**10,000**		**2.4**		**1**		**16**		**100**		**0.2**	
				Vapor Intrusion Screening Level	**–**		**2.4**		**15,000**		**2,800**		**330**		**24**		**1.4**		**–**		**–**		**0.35**	
DMW-1S	615 Dexter Ave N	03/25/19	HC	Peristaltic	**350**		**1.5**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
(duplicate)		03/25/19	HC	Peristaltic	**300**		**1.8**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
FMW-143	9th Ave N ROW	10/31/19	PES	Peristaltic	–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(10 to 5)		01/22/20	PES	Peristaltic	–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
HMW-1S	Mercer Megablock	03/25/19	HC	Peristaltic	100	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
HMW-2S	Mercer Megablock	03/25/19	HC	Peristaltic	100	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
MW-8	800 Aloha St Parcel	03/20/17	PES	Peristaltic	–		**0.145**	**J**	0.412	U	**0.175**	**J**	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(28.7 to 14.2)		04/13/18	PES	Peristaltic	–		0.0896	U	0.412	U	0.158	U	0.316	U	**0.570**		0.153	U	0.0933	U	0.152	U	0.118	U
(duplicate)		07/18/19	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
		10/10/19	PES	Peristaltic	–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.167**	**J**	0.0933	U	0.152	U	0.118	U
		01/16/20	PES	Peristaltic	–		**0.156**	**J**	**1.96**		0.158	U	**0.569**	**J**	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-9	8th Ave North ROW	03/20/17	PES	Peristaltic	**52.8**	**J**	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.140**	**J**	0.152	U	**0.324**	**J**
(33.8 to 18.8)		06/20/17	PES	Peristaltic	31.6	U	0.0896	U	**0.562**		0.158	U	0.316	U	0.199	U	0.153	U	**0.214**	**J**	0.152	U	0.118	U
(duplicate)		06/20/17	PES	Peristaltic	31.6	U	0.0896	U	**0.548**		0.158	U	0.316	U	0.199	U	0.153	U	**0.211**	**J**	0.152	U	0.118	U
		04/05/18	PES	Peristaltic	**32.9**	**J**	0.0896	U	0.412	U	0.158	U	0.316	U	**1.58**		0.153	U	**0.246**	**J**	0.152	U	**0.210**	**J**
		01/21/19	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
		04/26/19	PES	Peristaltic	**121**	**zJ+**	0.0896	U	0.412	U	0.158	U	0.316	U	**157**		**45.2**		**75.1**		**0.261**	**J**	0.861	UJ
		07/16/19	PES	Peristaltic	57.4	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	**0.619**	
		10/17/19	PES	Peristaltic	62.0	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.786**		0.152	U	**0.416**	**J**
MW121	8th Ave North ROW	03/28/17	PES	Peristaltic	–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.768**		0.152	U	**5.82**	
(26.7 to 16.7)		06/20/17	PES	Peristaltic	–		**0.186**	**J**	**0.774**		0.158	U	0.316	U	0.199	U	0.153	U	**1.13**		0.152	U	**7.68**	
		04/05/18	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	**2.93**		0.153	U	**0.959**		0.152	U	**6.45**	
		01/31/19	PES	Peristaltic	38.0	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**5.53**		0.152	U	**19.8**	
		04/29/19	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**5.39**		0.152	U	**15.2**	**J**
		07/19/19	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**1.01**		0.152	U	**5.04**	
MW125	Valley St ROW	03/22/17	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	**0.285**	**J**	0.153	U	**0.341**	J	0.152	U	0.118	U
(28.6 to 13.6)		06/28/17	PES	Bladder	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
		04/06/18	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	**0.580**		0.153	U	**0.278**	**J**	0.152	U	0.118	U
		01/21/19	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
		04/23/19	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	UJ
		07/18/19	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
		10/18/19	PES	Bladder	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.496**	**J**	0.152	U	0.118	U
		01/29/20	PES	Bladder	51.1	U	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.369**	**J**	0.152	U	0.118	U
MW-154	Roy St ROW	04/30/18	PES	Bladder	**32.1**	**J**	0.0896	U	0.412	U	0.158	U	0.316	U	**4.46**		**0.230**	**J**	**1.77**		0.152	U	**7.48**	
(27.6 to 13.6)		01/21/19	PES	Peristaltic	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	**1.70**		**0.330**	**J**	**2.03**		0.152	U	**3.52**	
		04/24/19	PES	Bladder	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	**1.02**		**0.214**	**J**	**1.76**		0.152	U	**0.797**	
		07/15/19	PES	Bladder	68.0	U	0.0896	U	0.412	U	0.158	U	0.316	U	**69.5**		**5.75**		**2.55**		0.152	U	**0.211**	**J**
		10/14/19	PES	Bladder	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	**4.99**		**0.445**	**J**	**1.40**		0.152	U	0.118	U
		01/21/20	PES	Bladder	31.6	U	0.0896	U	0.412	U	0.158	U	0.316	U	**11.6**		**0.999**		**2.26**		0.152	U	0.118	U

Table 5

CVOCs in Shallow Zone Groundwater
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)									
					GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
				RI Screening Level	800	0.5	72	29	10,000	2.4	1	16	100	0.2
				Vapor Intrusion Screening Level	–	2.4	15,000	2,800	330	24	1.4	–	–	0.35
MW-155 (24.1 to 13.6)	Roy Street ROW	04/27/18	PES	Peristaltic	60.9 U	0.0896 U	0.412 U	0.158 U	0.316 U	**3.48**	**0.334 J**	**0.466 J**	0.152 U	**0.447 J**
		01/21/19	PES	Peristaltic	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**3.72**	**0.581**	**0.274 J**	0.152 U	0.118 U
		04/23/19	PES	Peristaltic	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**14.6**	**4.75**	**71.9**	0.152 U	**6.54 J**
		07/23/19	PES	Bladder	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**92.7**	**19.9**	**12.1**	0.152 U	**0.350 J**
		10/16/19	PES	Bladder	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**121**	**27.6**	**36.2**	**0.160 J**	0.118 U
		01/20/20	PES	Bladder	**44.9 J**	0.0896 U	0.412 U	0.158 U	0.316 U	**98.3**	**21.8**	**12.7**	0.152 U	0.118 U
MW-159 (22.4 to 13.6)	8th Ave N ROW	04/26/18	PES	Peristaltic	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**0.964**	**0.358 J**	**1.09**	0.152 U	0.118 U
		01/21/19	PES	Peristaltic	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**0.651**	0.152 U	**0.666**
		04/26/19	PES	Bladder	31.6 U	**0.179 J**	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**1.23**	0.152 U	**1.03 J**
(duplicate)		04/26/19	PES	Bladder	31.6 U	**0.193 J**	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**1.12**	0.152 U	**1.04 J**
		07/22/19	PES	Bladder	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**0.918**	0.152 U	**0.691**
		01/29/20	PES	Bladder	33.9 U	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**0.811**	0.152 U	0.118 U
MW-214 (20.8 to 10.8)	Valley St ROW	03/30/17	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
(duplicate)		03/30/17	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		04/09/18	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	**0.725**	0.153 U	0.0933 U	0.152 U	0.118 U
		10/11/19	PES	Peristaltic	–	**1.95**	0.412 U	**0.355 J**	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		01/20/20	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
MW-305 (37.4 to 27.4)	Dexter Ave N ROW	10/15/19	PES	Bladder	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		01/15/20	PES	Bladder	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
MW-310 (19.2 to 9.2)	Alley Between 8th and 9th	10/10/19	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**0.148 J**	0.152 U	0.118 U
		01/14/20	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**0.0933 U**	0.152 U	0.118 U
MW-312 (19.9 to 9.9)	Alley Between 8th and 9th	10/11/19	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		01/21/20	PES	Peristaltic	–	0.0896 U	**1.22**	0.158 U	**0.713 J**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
MW-313 (20.4 to 10.4)	Alley Between 8th and 9th	10/10/19	PES	Bladder	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**7.34**	0.152 U	**1.09**
		01/14/20	PES	Bladder	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	**2.67**	0.152 U	**2.59**
MW-320 (18.6 to 8.6)	9th Ave N ROW	10/07/19	PES	Peristaltic	–	0.0896 U	**0.459 J**	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		01/20/20	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
R-MW5 (42.0 to 27.0)	Dexter Ave North ROW	03/23/17	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	**0.338 J**	**0.186 J**	0.0933 U	0.152 U	0.118 U
		06/16/17	PES	Bladder	–	0.0896 U	0.412 U	0.158 U	0.316 U	**0.257 J**	**0.245 J**	0.0933 U	0.152 U	0.118 U
		04/11/18	PES	Bladder	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**0.621**	0.153 U	0.0933 U	0.152 U	0.118 U
		01/03/19	PES	Peristaltic	**81.5 J**	0.0896 U	0.412 U	0.158 U	0.316 U	**0.477 J**	0.153 U	0.0933 U	0.152 U	0.118 U
		04/22/19	PES	Peristaltic	31.6 U	0.0896 U	**0.428 J**	0.158 U	0.316 U	**0.499 J**	**0.155 J**	0.0933 U	0.152 U	0.118 UJ
		07/16/19	PES	Bladder	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**0.736**	0.153 U	**0.131 J**	0.152 U	0.118 U
		10/21/19	PES	Bladder	**95.3 J**	0.0896 U	0.412 U	0.158 U	0.316 U	**0.523**	0.153 U	**0.302 J**	0.152 U	0.118 U
		01/24/20	PES	Bladder	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**0.931**	**0.374 J**	**0.265 J**	0.152 U	0.118 U
R-MW6 (33.3 to 23.3)	8th Ave North ROW	03/21/17	PES	Peristaltic	**42.8 J**	0.0896 U	0.412 U	0.158 U	0.316 U	**1.08**	**3.17**	**20.0**	**0.242 J**	**8.65**
		06/20/17	PES	Peristaltic	**38.5**	**0.167 J**	**0.619**	0.158 U	0.316 U	**1.19**	**0.878**	**37.3**	**0.445 J**	**43.9**
		04/06/18	PES	Peristaltic	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	**1.85**	**2.24**	**19.4**	**0.277 J**	**26.9**
		01/25/19	PES	Peristaltic	–	**0.142 J**	0.412 U	0.158 U	0.316 U	**0.328 J**	**1.07**	**12.5**	0.152 U	**9.14**
		04/25/19	PES	Peristaltic	31.6 U	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	**0.370 J**	**11.8**	**0.168 J**	**7.16 J**

Table 5

CVOCs in Shallow Zone Groundwater
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)									
					GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	PCE	TCE	cDCE	tDCE	VC
				RI Screening Level	**800**	**0.5**	**72**	**29**	**10,000**	**2.4**	**1**	**16**	**100**	**0.2**
				Vapor Intrusion Screening Level	**–**	**2.4**	**15,000**	**2,800**	**330**	**24**	**1.4**	**–**	**–**	**0.35**
SCL-MW101 (25.5 to 15.5)	Alley Between 8th & 9th Ave N	03/28/17	PES	Peristaltic	–	**6.74**	0.624 U	**0.598**	**2.08**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		06/14/17	PES	Peristaltic	–	**18.6**	**1.68**	**17.1**	**3.50**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		04/06/18	PES	Peristaltic	–	**10.6**	**1.24**	**11.7**	**3.32**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		10/09/19	PES	Peristaltic	–	**11.2**	**2.39**	**16.6**	**3.77**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		01/17/20	PES	Peristaltic	–	**15.4**	**0.611**	**1.61**	**3.66**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 UJ
SCL-MW105 (11.3 to 1.3)	Alley Between 8th & 9th Ave N	03/28/17	PES	Peristaltic	–	**257**	**16.3**	**26.5**	**33.9**	0.995 U	0.765 U	0.466 U	0.760 U	0.590 U
		06/15/17	PES	Peristaltic	–	**208**	**14.3**	**109**	**40.8**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		04/06/18	PES	Peristaltic	–	**181**	**12.1**	**26.6**	**28.4**	1.99 U	1.53 U	0.933 U	1.52 U	1.18 U
		10/10/19	PES	Peristaltic	–	**133**	**15.5**	**41.0**	**34.6**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		01/17/20	PES	Peristaltic	–	**142**	**14.9**	**54.6**	**28.6**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 UJ
SCS-2 (28.2 to 18.2)	800 Aloha St Parcel	03/20/17	PES	Peristaltic	**1,660**	**51.8**	**9.54**	**155**	**181**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		06/12/17	PES	Peristaltic	**901**	**58.9**	**4.49**	**141**	**70.4**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		04/13/18	PES	Peristaltic	–	**44.3**	**5.18**	**37.3**	**47.7**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		07/18/19	PES	Peristaltic	**2,190 J+**	**15.5**	**3.71**	**141**	**149**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
(duplicate)		07/18/19	PES	Peristaltic	**2,320 J+**	**15.0**	**3.37**	**187**	**131**	0.199 U	0.153 U	0.0933 U	0.152 U	**0.242 J**
		10/10/19	PES	Peristaltic	–	**20.3**	**6.00**	**307**	**123**	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		01/16/20	PES	Peristaltic	–	**16.9**	**5.00 J**	**135**	**32.2**	1.99 U	1.53 U	0.933 U	1.52 U	1.18 U
SMW-3 (17.1 to 7.1)	Valley St ROW	03/30/17	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 UJ
		06/21/17	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		04/09/18	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		10/11/19	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 U
		01/17/20	PES	Peristaltic	–	0.0896 U	0.412 U	0.158 U	0.316 U	0.199 U	0.153 U	0.0933 U	0.152 U	0.118 UJ

Notes:

Petroleum hydrocarbons analyzed by EPA Method 418.1, NWTPH-HCID, or NWTPH-Gx, NWTPH-Dx, or 8015-M

VOCs analyzed by EPA Method 601, 8010S, 8015, 8020, 8021B, 8240, 8260B, or 8260C or by Purge and Trap Gas Chromatogram/Mass Spectrometry.

cDCE = cis-1,2-dichloroethene

DOF = Dalton, Olmsted & Fuglevand, Inc.

GRO = gasoline-range organics

HC = Hart Crowser

PCE = perchloroethylene (tetrachloroethene)

Retec = Remediation Technologies, Inc.

Roux = Roux Associates

ROW = right of way

SES = SoundEarth Strategies, Inc.

TCE = trichloroethene

tDCE = trans-1,2-dichloroethene

VC = vinyl chloride

Well screen elevations indicated below sample location in parentheses

Detected results shown in bold, detections above the RI screening level only hightlighted in gray, detections above both the RI screening level and vapor intrusion screening level highlighted in yellow

– = not analyzed or results not available

J = the identification of the analyte is acceptable; the reported value is an estimate

J+ = the result is an estimated quanitity, but the result may be biased high

U = not detected at or above the laboratory method detection limit (MDL)

z = no/low level gasoline/petroleum detection; result is likely elevated due to high detections of CVOCs

Table 6

CVOCs in Intermediate Zone Groundwater
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																	
					GRO		DRO		ORO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Level	800		500		500		0.5		72		29		10,000		2.4		1		16		100		0.2	
Intermediate A Zone, Off Property																										
BB-8	Roy St ROW	10/22/19	PES	Bladder	**176**		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**135**		**46.6**		**31.8**		**0.398**	**J**	**0.162**	**J**
(duplicate)		10/22/19	PES	Bladder	**174**		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**169**		**48.3**		**30.4**		**0.426**	**J**	**0.152**	**J**
(13. to 3.7)		01/20/20	PES	Bladder	31.6	U	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**138**		**25.4**		**16.5**		**0.232**	**J**	0.118	U
(duplicate)		01/20/20	PES	Bladder	31.6	U	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**132**		**24.6**		**16.0**		**0.199**	**J**	0.118	U
FMW-142	9th Ave N ROW	10/31/19	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(2.4 to -7.6)		01/22/20	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
GEI-MW-1 (-9.7 to -29.7)	739 9th Ave N	01/23/20	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.230**	**J**	0.0933	U	0.152	U	0.118	U
GEI-1		10/21/19	PES	Peristaltic	–						0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(1.2 to -8.8)		01/22/20	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
HMW-2IA (12.8 to 2.8)	Mercer Megablock	03/25/19	HC	Peristaltic	100	U	200	U	500	U	1.0	U	1.0	U	1.0	U	1.0	U	**240**		**74**		**120**		1.0	U	**1.2**	
HMW-3IA (20.0 to 10.0)	Mercer Megablock	03/25/19	HC	Peristaltic	100	U	200	U	500	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
HMW-4IA (8.8 to -1.2)	Mercer Megablock	03/25/19	HC	Peristaltic	100	U	200	U	500	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
MW107	8th Ave North ROW	10/15/19	PES	Bladder	**365**		–		–		**0.167**	**J**	**0.572**		0.158	U	0.316	U	**41.7**		**138**		**333**		**7.04**		**216**	
(8.8 to -1.2)		01/28/20	PES	Bladder	**1,890**	**ZJ+**	–		–		1.79	U	8.24	U	3.16	U	6.32	U	3.98	U	**168**		**3,590**		**22.2**		**674**	
MW108	Alley Between 8th and	10/10/19	PES	Peristaltic	–		–		–		**3.16**		0.412	U	**0.327**	**J**	0.316	U	**524**		**483**		**1,080**		**5.55**		**194**	
(-7.2 to -17.2)	9th Ave North	01/14/20	PES	Peristaltic	–		–		–		**4.55**	**J**	10.3	U	3.95	U	7.90	U	**243**		**235**		**749**		3.80	U	**224**	
MW109	Alley Between 8th and	10/15/19	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**1.03**		**397**		**0.891**		**109**	
(0.0 to -10.0)	9th Ave North	01/21/20	PES	Peristaltic	–		–		–		0.0896	U	**0.782**		0.158	U	0.316	U	0.199	U	**0.372**	**J**	**10.4**		0.152	U	**1.02**	
MW110	Alley Between 8th and	10/15/19	PES	Bladder	–		–		–		**0.233**	**J**	0.412	U	0.158	U	0.316	U	**1,180**		**498**		**574**		**3.86**		**0.853**	
(4.7 to -5.3)	9th Ave North	01/16/20	PES	Bladder	–		–		–		0.448	U	2.06	U	0.790	U	1.58	U	**459**		**176**		**187**		**1.95**	**J**	**0.706**	**J**
MW115	9th Ave North ROW	10/22/19	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.819**		0.152	U	**23.2**	
(-0.9 to -10.9)		01/20/20	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.880**		0.152	U	**26.9**	
MW116	9th Ave North ROW	10/31/19	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-3.6 to -13.6)		01/21/20	PES	Peristaltic	–		–		–		0.0896	U	**0.775**		0.158	U	**0.351**	**J**	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW119	9th Ave North ROW	10/10/19	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**0.876**		**7.54**		**12.6**		**0.159**	**J**	0.118	U
(2.4 to -7.7)		11/11/19	Farallon	Unknown	–		–		–		–		–		–		–		**3.70**		**9.50**		**10**		0.20	U	0.20	U
(split)		01/14/20	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**5.90**		**5.81**		**9.63**		0.200	U	0.200	U
(split)		01/14/20	Farallon	Peristaltic	–		–		–		–		–		–		–		**4.8**		**5.1**		**7.4**		0.20	U	0.20	U
MW120	8th Ave North ROW	10/17/19	PES	Bladder	**106**	**ZJ+**	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**61.5**		**22.3**		**48.8**		**0.220**	**J**	**2.31**	
(duplicate)		10/17/19	PES	Bladder	**113**	**ZJ+**	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**73.9**		**26.9**		**49.8**		**0.243**	**J**	**2.25**	
(0 to -10)		01/17/20	PES	Bladder	**124**	**ZJ+**	–		–		**0.0983**	**J**	0.412	U	0.158	U	0.316	U	**61.2**		**21.6**		**45.0**		**0.241**	**J**	**2.38**	**J**
MW127	8th Ave North ROW	10/17/19	PES	Bladder	31.6	U	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.656**		0.152	U	0.118	U
(-1.0 to -11.0)		01/17/20	PES	Bladder	61.3	U	–		–		0.0896	U	**0.689**		0.158	U	**0.342**	**J**	0.199	U	0.153	U	**0.630**		0.152	U	0.118	UJ

Table 6

CVOCs in Intermediate Zone Groundwater
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																					
					GRO		DRO		ORO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Level	800		500		500		0.5		72		29		10,000		2.4		1		16		100		0.2	
MW-142	8th Ave North ROW	10/16/19	PES	Bladder	31.6	U	–		–		**0.38**	**J**	0.412	U	0.158	U	0.316	U	0.199	U	**0.360**	**J**	**50.4**		**0.282**	**J**	**11.3**	
(2.4 to -7.6)		01/22/20	PES	Bladder	31.6	U	–		–		**0.438**	**J**	0.412	U	0.158	U	0.316	U	0.199	U	**0.311**	**J**	**45.6**		**0.379**	**J**	**8.19**	
MW-144R	8th Ave North ROW	12/16/19	PES	Bladder	**325**		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**11.0**		**11.5**		**251**		**0.818**		**71.6**	
(2.8 to -7.3)		01/21/20	PES	Bladder	**60.7**	**J**	–		–		0.896	U	4.12	U	1.58	U	3.16	U	1.99	U	1.53	U	**200**		1.52	U	**90.2**	
MW-146	Roy St	10/14/19	PES	Bladder	**1,310**	**zJ+**	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**2.03**		**6.77**		**1,350**		**7.85**		**2,830**	
(12.9 to 2.9)		01/24/20	PES	Bladder	**1,140**	**ZJ+**	–		–		8.96	U	41.2	U	15.8	U	31.6	U	**21.1**	**J**	15.3	U	**1,460**		15.2	U	**3,900**	
(duplicate)		01/24/20	PES	Bladder	**423**	**ZJ+**	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**1.39**	**J**	**4.8**		**1,510**		**8.45**		**5,800**	
MW-156	8th Ave North ROW	10/17/19	PES	Bladder	**1,450**	**zJ+**	–		–		0.896	U	4.12	U	1.58	U	3.16	U	**682**		**430**		**1,420**		**6.04**		**51.1**	
(2.0 to -8.0)		01/20/20	PES	Bladder	**2,160**	**ZJ+**	–		–		**1.64**	**J**	4.12	U	1.58	U	3.16	U	**792**		**534**		**1,590**		**7.04**		**99.6**	
MW-189	Valley St ROW	10/14/19	PES	Bladder	31.6	U	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**2.23**		0.152	U	**18.2**	
(-1.2 to -11.2)		01/23/20	PES	Bladder	31.6	U	–		–		0.0896	U	**0.501**		0.158	U	0.316	U	0.199	U	0.153	U	**0.514**		0.152	U	**3.01**	
MW-302	Dexter Ave N ROW	10/21/19	PES	Bladder	**98.5**	**J**	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(3.0 to -7.0)		01/24/20	PES	Bladder	31.6	U	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	**0.353**	**J**	**0.164**	**J**	0.0933	U	0.152	U	0.118	U
MW-306	Dexter Ave N ROW	10/15/19	PES	Bladder	31.6	U	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(17.2 to 7.2)		01/16/20	PES	Bladder	34.3	U	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-308	Alley Between	10/11/19	PES	Peristaltic	–		–		–		**12.5**		**4.38**		0.158	U	0.316	U	0.199	U	0.153	U	**38.9**		**0.492**	**J**	**20.3**	
(-4.7 to -14.7)	8th and 9th	01/16/20	PES	Peristaltic	–		–		–		**29.3**		0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**11.9**		**0.411**	**J**	**16.3**	
MW-315	Mercer St ROW	10/03/19	PES	Bladder	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(12.2 to 2.3)		01/16/20	PES	Bladder	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-317	9th Ave N ROW	10/09/19	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(3.4 to -6.6)		01/16/20	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-325	Mercer St ROW	10/03/19	PES	Bladder	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.607**		0.152	U	0.118	U
(7.0 to -3.0)		01/17/20	PES	Bladder	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	UJ
MW-327	Westlake Ave N	10/02/19	PES	Bladder	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(3.6 to -6.3)		01/17/20	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	UJ
Intermediate B Zone, Off Property																										
FMW-141	Alley Between 8th and 9th	10/30/19	PES	Peristaltic	–		–		–		**0.230**	**J**	0.412	U	0.158	U	0.316	U	0.199	U	**2.18**		**1,200**		**7.13**		**1,760**	
(duplicate)		10/30/19	PES	Peristaltic	–		–		–		**0.212**	**J**	0.412	U	0.158	U	0.316	U	0.199	U	**12.7**		**2,250**		**10.5**		**1,710**	
(-12 to -22)		01/14/20	PES	Bladder	–		–		–		0.448	U	2.06	U	0.790	U	1.58	U	0.995	U	**2.91**		**414**		**1.98**	**J**	**532**	
HMW-1IB	Mercer	03/25/19	HC	Peristaltic	100	U	200	U	500	U	1.0	U	1.0	U	1.0	U	1.0	U	**20**		**6.7**		**22**		1.0	U	0.2	U
(-15.9 to -25.9)	Megablock																									
HMW-2IB	Mercer	03/25/19	HC	Peristaltic	100	U	200	U	500	U	1.0	U	**3.4**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
(-5.6 to -15.6)	Megablock																									
MW111	Alley Between 8th and	10/14/19	PES	Peristaltic	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.413**	**J**	0.152	U	**8.63**	
(-33.5 to -43.5)	9th Ave North	01/16/20	PES	Bladder	–		–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**5.08**		0.152	U	**34.0**	
MW112	Dexter Ave North ROW	10/21/19	PES	Bladder	**96.6**	**J**	–		–		0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-17.5 to -27.5)		01/24/20	PES	Bladder	31.6	U	–		–		0.0896	U	**1.24**		0.158	U	0.316	U	**0.248**	**J**	0.153	U	0.0933	U	0.152	U	0.118	U

Table 6

CVOCs in Intermediate Zone Groundwater
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																	
					GRO		DRO	ORO	Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Level	800		500	500	0.5		72		29		10,000		2.4		1		16		100		0.2	
MW126	Alley Between 8th and	10/15/19	PES	Bladder	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(duplicate)	9th Ave North	10/15/19	PES	Bladder	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-54.1 to -64.1)		01/14/20	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	**0.162**	**J**	**0.441**	**J**	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-143	8th Ave North ROW	10/16/19	PES	Bladder	**2,000**	**zJ+**	–	–	**0.211**	**J**	0.412	U	0.158	U	0.316	U	**2.35**		**28.0**		**2,510**		**11.0**		**1,180**	
(-27.7 to -37.7)		01/22/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.171**	**J**	0.152	U	**0.254**	**J**
MW-145R	8th Ave North ROW	12/16/19	PES	Bladder	**140**		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.193**	**J**	0.152	U	0.118	U
(-27.5 to -37.5)		01/21/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.230**	**J**	0.152	U	0.118	U
MW-147	Roy St ROW	10/14/19	PES	Bladder	**513**	**zJ+**	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**3.38**		**597**		**2.91**		**1,410**	
(-17.6 to -27.6)		01/24/20	PES	Bladder	**1,200**	**ZJ+**	–	–	2.24	U	10.3	U	3.95	U	7.90	U	4.98	U	**4.63**	**J**	**1,100**		3.80	U	**1,340**	
MW-148	Roy St ROW	10/16/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	**0.463**	**J**
(-25.7 to -35.7)		01/20/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.163**	**J**	0.0933	U	0.152	U	**0.305**	**J**
MW-157	8th Ave North ROW	10/16/19	PES	Bladder	31.6	U	–	–	0.0896	U	**0.561**		0.158	U	0.316	U	0.199	U	0.153	U	**0.188**	**J**	0.152	U	0.118	U
(-28.3 to -38.2)		01/20/20	PES	Bladder	**1,650**	**ZJ+**	–	–	**0.308**	**J**	0.412	U	0.158	U	0.316	U	**39.4**		**109**		**2,040**		**8.95**		**941**	
MW-190	Valley St ROW	10/14/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**7.78**		0.152	U	**0.994**	
(-30.2 to -40.2)		01/23/20	PES	Bladder	31.6	U	–	–	**0.150**	**J**	**1.57**		0.158	U	**0.344**	**J**	0.199	U	0.153	U	**0.389**	**J**	0.152	U	0.118	U
MW-303	Dexter Ave N ROW	10/21/19	PES	Submersible	**99.6**	**J**	–	–	0.0896	U	**1.63**		0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-13.8 to -23.8)		01/24/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**0.313**	**J**	**0.153**	**J**	0.0933	U	0.152	U	0.118	U
MW-307	Dexter Ave N ROW	10/11/19	PES	Bladder	31.6	U	–	–	0.0896	U	**1.05**		0.158	U	0.316	U	0.199	U	0.153	U	**0.935**		0.152	U	**0.289**	**J**
(-12.4 to -22.4)		01/15/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.172**	**J**	0.152	U	0.118	U
MW-309	Alley Between	10/14/19	PES	Peristaltic	–		–	–	**0.295**	**J**	**2.01**		0.158	U	0.316	U	**1.11**		**0.497**	**J**	**1.47**		0.152	U	**6.37**	
(-32.0 to -42.0)	8th and 9th	01/16/20	PES	Peristaltic	–		–	–	**0.585**		0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.487**	**J**	0.152	U	**12.6**	
MW-311	Alley Between	10/10/19	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**20.4**		**46.1**		**173**		**0.221**	**J**	**25.1**	
(-29.0 to -39.0)	8th and 9th	01/14/20	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**1.99**		**11.4**		**75.0**		**0.204**	**J**	**13.6**	
MW-314	Alley Between	10/10/19	PES	Bladder	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**26.1**		**106**		**491**		**1.63**		**43.6**	
(-28.0 to -38.0)	8th and 9th	01/15/20	PES	Bladder	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**22.7**		**98.3**		**596**		**2.12**		**17.9**	
(duplicate)		01/15/20	PES	Bladder	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**19.8**		**88.5**		**569**		**1.85**		**17.9**	
MW-316	Mercer St ROW	10/02/19	PES	Bladder	–		–	–	0.0896	U	**0.570**		0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-10.0 to -20.0)		01/16/20	PES	Bladder	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-318	9th Ave N ROW	10/08/19	PES	Bladder	–		–	–	**5.75**		**0.495**	**J**	0.158	U	0.316	U	0.199	U	0.153	U	**6.52**		0.152	U	**8.65**	
(-23.1 to -33.1)		01/16/20	PES	Peristaltic	–		–	–	**25.4**		**0.519**		0.158	U	0.316	U	0.199	U	0.153	U	**9.86**		0.152	U	**31**	
MW-322	9th Ave N ROW	10/07/19	PES	Peristaltic	–		–	–	**7.12**		**0.612**		0.158	U	0.316	U	**0.699**		**21.0**		**497**		**1.17**		**268**	
(-21.2 to -31.2)		01/21/20	PES	Peristaltic	–		–	–	**7.41**		**0.955**		0.158	U	0.316	U	**0.218**	**J**	**8.62**		**2,740**		**6.06**		**221**	
W-MW-01	8th Ave North ROW	10/15/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.350**	**J**	**0.408**	**J**	0.152	U	**7.36**	
(-25.1 to -35.1)		01/27/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.349**	**J**	**0.553**		0.152	U	**5.16**	

Table 6

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American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																	
					GRO		DRO	ORO	Benzene		Toluene	Ethylbenzene		Total Xylenes		PCE		TCE		cDCE	tDCE		VC
				Screening Level	800		500	500	0.5		72	29		10,000		2.4		1		16	100		0.2
W-MW-02	8th Ave North ROW	10/18/19	PES	Bladder	316	U	–	–	0.0896	U	**1.79**	0.158	U	0.316	U	0.199	U	0.153	U	**2.07**	**0.278**	J	**3.56**
(-26.5 to -36.5)		01/28/20	PES	Bladder	31.6	U	–	–	0.0896	U	**2.93**	0.158	U	0.316	U	0.199	U	0.153	U	**1.52**	**0.252**	J	**1.70**

Notes:

Petroleum hydrocarbons analyzed by NWTPH-Gx method.

VOCs analyzed by EPA Method 8260.

cDCE = cis-1,2-dichloroethene

DRO = diesel-range organics

GRO = gasoline-range organics

ORO = oil-range organics

PCE = perchloroethylene (tetrachloroethene)

ROW = right-of-way

TCE = trichloroethene

tDCE = trans-1,2-dichloroethene

VC = vinyl chloride

Well screen elevations indicated below Sample Location in parentheses.

Laboratory and Results Notes:

Detected results shown in bold, detections above the screening level hightlighted in gray

– = Not analyzed or results not available

J = the identification of the analyte is acceptable; the reported value is an estimate

J+ = The result is an estimated quanitity, but the result may be biased high.

J- = The result is an estimated quantity, but the result may be biased low.

U = not detected at or above the laboratory method detection limit (MDL)

z = No/low level gasoline/petroleum detection; result is likely elevated due to high detections of CVOCs.

(split) = Split samples collected contemporaneously.

Table 7

CVOCs in Deep Zone Groundwater
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																	
					GRO		DRO	ORO	Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Level	800		500	500	0.5		72		29		10,000		2.4		1		16		100		0.2	
FMW-129	SDOT Property	10/21/19	PES	Peristaltic	**141**	**zJ+**	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**114**		**198**		**350**		**1.61**		**0.259**	**J**
(-45 to -50)	South of Roy St	01/14/20	PES	Bladder	–		–	–	0.896	U	4.12	U	1.58	U	3.16	U	**113**		**170**		**385**		**1.60**	**J**	1.18	U
FMW-131	Block 37	10/21/19	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**10.5**		0.152	U	**0.140**	**J**
(-34.7 to -44.7)		01/22/20	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**15.1**		0.152	U	**0.162**	**J**
FMW-137	Block 38	11/06/19	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**1.27**		0.152	U	0.118	U
(-42 to -52)		01/22/20	PES	Peristaltic	–		–	–	0.0896	U	**0.506**		0.158	U	0.316	U	0.199	U	0.153	U	**1.99**		0.152	U	0.118	U
FMW-140	900 Roy St	10/31/19	PES	Peristaltic	–		–	–	**18.5**		**1.43**		0.158	**U**	0.316	U	0.199	U	0.153	U	**0.160**	**J**	0.152	U	**189**	
(-35.5 to -46.5)		01/22/20	PES	Peristaltic	–		–	–	**39.6**		0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**406**		**0.729**		**527**	
GEI-2	Block 37	10/21/19	PES	Peristaltic	–		–	–	**3.80**		0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**20.1**		0.152	U	**88.2**	
(-21.1 to -31.1)		01/22/20	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.192**	**J**	**0.308**	**J**	0.152	U	0.118	U
HMW-1D	Mercer	03/25/19	HC	Peristaltic	100	U	200	U	500	U	1.0	U	1.0	U	1.0	U	1.0	U	**3.4**		**27**		**410**		**1.2**		**4.0**	
(-42 to -52)	Megablock																									
HMW-2D	Mercer	03/25/19	HC	Peristaltic	100	U	200	U	500	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
(-32.8 to -42.8)	Megablock																									
HMW-3D	Mercer	03/25/19	HC	Peristaltic	100	U	200	U	500	U	1.0	U	**1.1**		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	0.2	U
(-26.3 to -36.3)	Megablock																									
MW102	Valley St ROW	11/14/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-65.8 to -75.8)		01/23/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(duplicate)		01/23/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW103	Alley East of	10/14/19	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**91.7**		**0.158**	**J**	**51.8**	
(-67.6 to -77.6)	8th Ave North	01/16/20	PES	Bladder	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**40.6**		0.152	U	**77.9**	
MW104	8th Ave North ROW	10/18/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**1.54**		**16.3**		**0.329**	**J**	**33.2**	
(-76.3 to -86.3)		01/29/20	PES	Bladder	**447**	**ZJ+**	–	–	**0.167**	**J**	0.412	U	0.158	U	0.316	U	**0.894**		**6.44**		**44.6**		**0.481**	**J**	**31.7**	
MW105	Roy Street ROW	10/22/19	PES	Bladder	**96.4**	**J**	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.945**		0.152	U	**0.214**	**J**
(duplicate)		10/22/19	PES	Bladder	**90.8**	**J**	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.720**		0.152	U	0.118	U
(-85.8 to -95.8)		01/20/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**0.208**	**J**	**0.348**	**J**	**1.38**		0.152	U	**0.568**	
MW106	SDOT Property	10/18/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-78.0 to -88.0)	South of Roy St	01/14/20	PES	Bladder	33.1	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW113	9th Ave North ROW	10/22/19	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	1.99	U	0.153	U	**1,420**		**4.45**		**66.2**	
(-37.1 to -47.1)		11/11/19	Farallon	Unknown	–		–	–	–		–		–		–		50	U	50	U	**8,200**		50	U	**950**	
		01/14/20	PES	Bladder	–		–	–	0.896	U	4.12	U	1.58	U	3.16	U	50	U	50.00	U	**10,300**		50.0	U	**1,410**	
	(split)	01/14/20	Farallon	Peristaltic	–		–	–	–		–		–		–		50	U	50	U	**8,000**		50	U	**1,400**	
MW122	Alley East of	10/14/19	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**0.289**	**J**	0.153	U	0.0933	U	0.152	U	0.118	U
(-75 to -89)	800 Aloha St	01/17/20	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	UJ
MW123	Westlake Ave North	10/18/19	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-42.5 to -52.5)	ROW	01/22/20	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U

Table 7

CVOCs in Deep Zone Groundwater
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Area Location	Sample Date	Sampled By	Sampling Method	Analytical Results (micrograms per liter)																					
					GRO		DRO	ORO	Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Level	800		500	500	0.5		72		29		10,000		2.4		1		16		100		0.2	
MW124	Valley Street ROW	10/11/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-53.8 to -63.8)		01/30/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW128	Westlake Ave North ROW	10/11/19	PES	Peristaltic	–		–	–	**0.984**		0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.619**		0.152	U	**13.3**	
(duplicate)		10/11/19	PES	Peristaltic	–		–	–	**1.34**		0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.841**		0.152	U	**24.1**	
(-30.8 to -40.8)		11/11/19	Farallon	Unknown	–		–	–	–		–		–		–		0.40	U	0.40	U	**1.4**		0.40	U	**60**	
		01/20/20	PES	Peristaltic	–		–	–	**17.8**		0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**1.67**		0.152	U	**47.4**	
MW-138	Dexter Ave N ROW	10/21/19	PES	Bladder	**92.7**	**J**	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-47.5 to -57.5)		01/27/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-153	Roy Street ROW	10/15/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-65.3 to -75.3)		01/21/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-158A	8th Ave N ROW	10/16/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.318**	**J**	**0.848**		0.152	U	**2.18**	
(-47.2 to -58.5)		01/21/20	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	**0.195**	**J**
MW-160	8th Ave N ROW	10/17/19	PES	Bladder	31.6	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**0.445**	**J**	0.152	U	0.118	U
(-76.5 to -86.5)		01/29/20	PES	Bladder	35.0	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.195**	**J**	**0.176**	**J**	0.152	U	**0.744**	
MW-161	8th Ave N ROW	10/14/19	PES	Bladder	**54.7**	**J**	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**0.978**		**1.30**		0.152	U	0.118	U
(-78.9 to -88.9)		01/28/20	PES	Bladder	72.8	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	**6.05**		**9.02**		**0.388**	**J**	**1.10**	
MW-304	Dexter Ave N ROW	10/21/19	PES	Bladder	**97.9**	**J**	–	–	0.0896	U	**0.728**		0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
(-47.6 to -57.6)		01/27/20	PES	Bladder	42.2	U	–	–	0.0896	U	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	0.0933	U	0.152	U	0.118	U
MW-319	9th Ave N ROW	10/08/19	PES	Bladder	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**0.609**		**8.12**		**53.4**		0.152	U	**5.76**	
(-42.8 to -52.8)		01/16/20	PES	Peristaltic	–		–	–	0.0896	U	0.412	U	0.158	U	0.316	U	**0.414**	**J**	**11.4**		**63.7**		0.152	U	**6.78**	
MW-323	9th Ave N ROW	10/09/19	PES	Peristaltic	–		–	–	0.0896	U	**4.97**		0.158	U	0.316	U	0.199	U	**0.891**		**66.5**		0.152	U	**13.4**	
(-65.4 to -75.4)		01/20/20	PES	Peristaltic	–		–	–	0.0896	U	**0.549**		0.158	U	0.316	U	0.199	U	**0.178**	**J**	**229**		0.152	U	**64.9**	
MW-324	9th Ave N ROW	10/02/19	PES	Bladder	–		–	–	**0.401**	**J**	**5.45**		0.158	U	0.316	U	0.199	U	**0.642**		**1,550**		**3.21**		**61.9**	
(-32.1 to -42.1)		01/20/20	PES	Peristaltic	–		–	–	4.48	U	20.6	U	7.90	U	15.8	U	9.95	U	7.65	U	**3,170**		7.60	U	**113**	
MW-326	Mercer St ROW	10/03/19	PES	Bladder	–		–	–	0.0896	U	**1.31**		0.158	U	0.316	U	**0.769**		**0.297**	**J**	**6.87**		0.152	U	0.118	U
(-48.7 to -58.7)		01/17/20	PES	Bladder	–		–	–	**0.113**	**J**	0.412	U	0.158	U	0.316	U	**0.834**		**0.47**	**J**	**9.38**		0.152	U	0.118	UJ
MW-328	East of Westlake Ave N	10/02/19	PES	Bladder	–		–	–	**17.0**		**0.535**		0.158	U	0.316	U	0.199	U	0.153	U	**1.26**		0.152	U	**23.3**	
(-36.1 to -46.1)		01/17/20	PES	Peristaltic	–		–	–	**17.6**		**0.448**	**J**	0.158	U	0.316	U	**1.66**		0.153	U	**1.03**		0.152	U	**13.1**	**J**
MW-329	East of Westlake Ave N	10/03/19	PES	Peristaltic	–		–	–	**0.206**	**J**	**0.435**	**J**	0.158	U	0.316	U	0.199	U	0.153	U	**9.25**		0.152	U	**28.8**	
(duplicate)		10/03/19	PES	Peristaltic	–				**0.215**	**J**	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**9.26**		0.152	U	**29.2**	
(-69.0 to -79.0)		01/20/20	PES	Peristaltic	–		–	–	**0.279**	**J**	0.412	U	0.158	U	0.316	U	0.199	U	0.153	U	**11.0**		0.152	U	**26.2**	

Notes:

Petroleum hydrocarbons analyzed by Method NWTPH-Gx
VOCs analyzed by EPA Method 8260
VOCs analyzed by EPA Method 8260
cDCE = cis-1,2-dichloroethene
Farallon = Farallon Consulting, LLC
DRO = diesel-range organics
GRO = gasoline-range organics
ORO = oil-range organics
PCE = perchloroethylene (tetrachloroethene)
ROW = right-of-way
TCE = trichloroethene
tDCE = trans-1,2-dichloroethene
VC = vinyl chloride
Well screen elevations indicated below Sample Location.
(split) = Split samples collected contemporaneously.

Laboratory and Results Notes:

Detected results shown in bold, detections above the screening level hightlighted in gray
– = Not analyzed or results not available
J = the identification of the analyte is acceptable; the reported value is an estimate
J+ = The result is an estimated quanitity, but the result may be biased high.
U = not detected at or above the laboratory method detection limit (MDL)
z = No/low level gasoline/petroleum detection; result is likely elevated due to high detections of CVOCs

Table 8

Evaluation of 2019 and 2020 RI Results
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Well Number	Site Location	Approximate Water Bearing Bearing Zone	Screen Completion		Installation Rationale	Soil Results			Groundwater Results		Potential Step Out Needed?		Proposed Well	Rationale
			Depth (ft bgs)	Elevation (ft)		Any CVOC Above SL? (ft bgs)	Any CVOC Above 10 Times SL?	Bottom CVOCs Above SL?	Any CVOC Above SL?	Any CVOC Above 10 Times SL?	Vertical	Horizontal		
MW-189	Sidewalk on S side of Valley St near MW102	Intermediate A	48.8 to 58.8	-1.2 to -11.2	Located to provide additional groundwater data in the Intermediate A zone between the Property and the parcel to the north of Valley Street	Not sampled			Yes	Yes	No	Yes (Int A)	MW-330	Extent of Intermediate A Zone CVOCs above the SL not bounded to the north of MW-189
MW-190	Sidewalk on S side of Valley St near MW102	Intermediate B	78.8 to 88.8	-30.2 to -40.2	Located to provide additional groundwater data in the Intermediate B zone between the Property and the parcel to the north of Valley Street	Yes (10, 30, 35)	No	No	No	No	No	Yes (Int A)	MW-330	Extent of Intermediate A Zone CVOCs above the SL not bounded to the north of MW-189
MW-301	Sidewalk on S side of Valley St between MW102 and MW124	Shallow	18.3 to 28.3	35.6 to 25.6	Located to provide additional shallow groundwater data between the Property and the parcel to the north of Valley Street	Yes (25)	No	No	Dry, not yet sampled		No	Yes (Int A)	MW-330	Shallow Zone soil SL exceedance barely above the SL
MW-302	E side of Dexter Ave N near MW-151	Intermediate A	54.3 to 64.3	3.0 to -7.0	Located to confirm the extent of CVOCs in the Intermediate A Zone west of the source area beneath the former western boiler room	Yes (5)	No	No	No	No	No	No	–	Vadose Zone soil exceedance barely above the SL
MW-303	E side of Dexter Ave N, NW of MW130	Intermediate B	71.4 to 81.4	-13.8 to -23.8	Located to confirm the extent of CVOCs in the Intermediate B Zone immediately west of the Property	Not sampled			No	No	No	No	–	No groundwater SL exeedances
MW-304	E side of Dexter Ave N, NW of MW130	Deep	105.2 to 115.2	-47.6 to -57.6	Located to confirm the extent of CVOCs in the Deep Zone immediately west of the Property adjacent to MW-303	No	No	No	No	No	No	No	–	No soil or groundwater SL exeedances
MW-305	Sidewalk on S side of Roy St, W of Dexter Ave N	Shallow	22.8 to 32.8	37.4 to 27.4	Located to investigate the extent of shallow CVOCs southwest of the Property	Not sampled			No	No	No	No	–	No groundwater SL exeedances
MW-306	Sidewalk on S side of Roy St, W of Dexter Ave N	Intermediate A	42.8 to 52.8	17.2 to 7.2	Located to investigate the extent of CVOCs in the Intermediate A Zone southwest of the Property	Not sampled			No	No	No	No	–	No groundwater SL exeedances
MW-307	Sidewalk on S side of Roy St, W of Dexter Ave N	Intermediate B	72.8 to 82.8	-12.4 to -22.4	Located to investigate the extent of CVOCs in the Intermediate B Zone southwest of the Property	No	No	No	No	No	No	No	–	No soil or groundwater SL exeedances
MW-308	Alley between 8th Ave N and 9th Ave N, N side of MW122	Intermediate A	35.1 to 45.1	-4.7 to -14.7	Located to investigate the extent of CVOCs east of the screening level exceedances in MW120	Not sampled			Yes	Yes	No	No	–	Groundwater SL exceedances to the east bounded by MW-317 and MW-GEI-1
MW-309	Alley between 8th Ave N and 9th Ave N, N side of MW122	Intermediate B	62.4 to 72.4	-32.0 to -42.0	Located to investigate the extent of CVOCs in the Intermediate B Zone northeast of the Property adjacent to MW-308	Yes (40)	No	No	Yes	Yes	No	Yes (B)	MW-338	Extent of Intermediate B Zone CVOCs above the SL not bounded to the east of MW-309
MW-310	Alley between 8th Ave N and 9th Ave N near MW108	Shallow	13.8 to 23.8	19.2 to 9.2	Located to investigate the extent of shallow CVOCs east of the NE corner of the Property	Not sampled			No	No	No	No	–	No groundwater SL exeedances
MW-311	Alley between 8th Ave N and 9th Ave N near MW108	Intermediate B	62.2 to 72.2	-29.0 to -39.0	Located to investigate the extent of CVOCs in the Intermediate B Zone east of the NE corner of the Property and 30 feet below the elevation monitored by adjacent well MW108	Yes (45-60)	Yes (45-55)	No	Yes	Yes	No	No	–	MW-311 in central portion of the Intermediate B Zone CVOC plume
MW-312	Alley between 8th Ave N and 9th Ave N near MW103	Shallow	15.8 to 25.8	19.9 to 9.9	Located to investigate shallow CVOCs east of the Property (in the alley) and adjacent to deeper monitoring wells	No	No	No	No	No	No	No	–	No soil or groundwater SL exeedances

Table 8

Evaluation of 2019 and 2020 RI Results
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Well Number	Site Location	Approximate Water Bearing Bearing Zone	Screen Completion		Installation Rationale	Soil Results			Groundwater Results		Potential Step Out Needed?		Proposed Well	Rationale
			Depth (ft bgs)	Elevation (ft)		Any CVOC Above SL? (ft bgs)	Any CVOC Above 10 Times SL?	Bottom CVOCs Above SL?	Any CVOC Above SL?	Any CVOC Above 10 Times SL?	Vertical	Horizontal		
MW-313	Alley between 8th Ave N and 9th Ave N near MW110	Shallow	19.5 to 29.5	20.4 to 10.4	Located to investigate shallow CVOCs east of the southeast corner of the Property and adjacent to deeper monitoring wells	Not sampled			Yes	No	No	Yes (Sh)	MW-332	Extent of Shallow Zone CVOCs above the SL not bounded to the east of MW-313
MW-314	Alley between 8th Ave N and 9th Ave N near MW110	Intermediate B	67.8 to 77.8	-28.0 to -38.0	Located to investigate the extent of CVOCs in the Intermediate B Zone east of the SE corner of the Property and 25 feet below the elevation monitored by adjacent well MW110	Yes (30-40, 50-80)	Yes (35, 40, 70)	Yes	Yes	Yes	No	Yes (B)	MW-334	Extent of Intermediate B Zone CVOCs above the SL not bounded to the east of MW-314
MW-315	Mercer St ROW, S of the Property	Intermediate A	37.5 to 47.4	12.2 to 2.3	Located to investigate the CVOC concentrations in the Intermediate A Zone south of the Property (south of former well MW114), screened at an elevation similar to BB-8	Not sampled			No	No	No	No	–	No groundwater SL exeedances
MW-316	Mercer St ROW, S of the Property	Intermediate B	59.8 to 69.8	-10.0 to -20.0	Located to investigate the extent of CVOCs exceeding the SL S of the Property (S of MW-147); well to be screened at an elevation similar to MW-147	No	No	No	No	No	No	No	–	No soil or groundwater SL exeedances
MW-317	9th Ave N, north of MW116	Intermediate A	28.2 to 38.2	3.4 to -6.6	Located to investigate the extent of CVOCs exceeding the SL NE of MW108, with the well screened at an elevation similar to MW108 and MW116	Not sampled			No	No	No	No	–	No soil or groundwater SL exeedances
MW-318	9th Ave N, north of MW116	Intermediate B	54.8 to 64.8	-23.1 to -33.1	Located to confirm the CVOC concentrations in the Intermediate B Zone between near MW116, screened at an elevation between MW-317 and MW-319	Not sampled			Yes	Yes	No	Yes (B)	MW-338	Groundwater SL exceedances in the Intermediate B zone
MW-319	9th Ave N, north of MW116	Deep	74.5 to 84.5	-42.8 to -52.8	Located to confirm the CVOC concentrations in the Deep Zone near MW116, screened at an elevation similar to MW113, MW123, and FMW-129	Yes (75-85)	No	Yes	Yes	Yes	No	No	No	MW123 bounds deep CVOC contamination downgradient
MW-320	9th Ave N, next to MW113	Shallow	15.5 to 25.5	18.6 to 8.6	Located to confirm the CVOC concentrations in the Shallow Zone between MW115 and MW116	No	No	No	No	No	No	No	MW-337 MW-339	No soil or groundwater SL exeedances, MW-337 and MW-339 installed for water levels
MW-321	9th Ave N, next to MW113	Intermediate A	40 to 50	-7 to -17	Located to confirm the CVOC concentrations in the Intermediate A Zone between MW115 and MW116, screened at a similar elevation as MW108 and MW116	Not installed due to recent installation of FMW-142			No (FMW-142)	No (FMW-142)	No	No	MW-333	MW-333 planned due to groundwater SL exeedances in MW115
MW-322	9th Ave N, next to MW113	Intermediate B	54.7 to 64.7	-21.2 to -31.2	Located to confirm the CVOC concentrations in the Intermediate B Zone between MW115 and MW116, screened at an elevation between MW113 and MW-321	Not sampled			Yes	Yes	No	Yes (B)	MW-334 MW-340	Groundwater SL exceedances in the Intermediate B zone
MW-323	9th Ave N, adjacent to MW113	Deep	100.0 to 110.0	-65.4 to -75.4	Located to confirm the CVOC concentrations in the Deep Zone beneath MW113, screened similar to MW103	Yes (10, 55-65, 75-99)	Yes (55-65, 75-91)	No	Yes	Yes	No	Yes (D)	MW-341	Soil and groundwater exceedances in the Deep Zone
MW-324	9th Ave N, adjacent to MW115	Deep	66.3 to 76.3	-32.1 to -42.1	Located to confirm the CVOC concentrations in the Deep Zone near MW115, screened at an elevation similar to MW113, MW123, and FMW-129	Yes (60-80)	Yes (65-80)	Yes	Yes	Yes	No	Yes (D)	MW-341	Soil and groundwater exceedances in the Deep Zone
MW-325	Mercer St ROW, west of 9th Ave N	Intermediate A	34.5 to 44.5	7.0 to -3.0	Located to investigate the CVOC concentrations in the Intermediate A Zone south of MW119, screened at an elevation similar to MW119	Not sampled			No	No	No	No	–	No groundwater SL exeedances

Table 8

Evaluation of 2019 and 2020 RI Results
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Well Number	Site Location	Approximate Water Bearing Bearing Zone	Screen Completion		Installation Rationale	Soil Results			Groundwater Results		Potential Step Out Needed?		Proposed Well	Rationale
			Depth (ft bgs)	Elevation (ft)		Any CVOC Above SL? (ft bgs)	Any CVOC Above 10 Times SL?	Bottom CVOCs Above SL?	Any CVOC Above SL?	Any CVOC Above 10 Times SL?	Vertical	Horizontal		
MW-326	Mercer St ROW, west of 9th Ave N, adjacent to MW169	Deep	90.0 to 100.0	-48.7 to -58.7	Located to investigate the CVOC concentrations in the Deep Zone south of MW119, screened at an elevation similar to FMW-129	Yes (45, 50)	No	No	No	No	No	No	–	No soil or groundwater SL exeedances
MW-327	E of Westlake Ave N near the S extent of Lake Union	Intermediate A	24.8 to 34.8	3.6 to -6.3	Located to investigate the NE extent of CVOCs in the Intermediate A Zone near Lake Union, screened at an elevation similar to MW116	Not sampled			No	No	No	No	–	No groundwater SL exeedances
MW-328	E of Westlake Ave N near the S extent of Lake Union	Deep	64.5 to 74.5	-36.1 to -46.1	Located to investigate the NE extent of CVOCs in the Deep Zone near Lake Union, screened at an elevation similar to MW113 and MW123	No	No	No	Yes	Yes	Yes (D)	To be evaluated	MW-341	Groundwater exceedance in the Deep Zone
MW-329	SE corner of Valley St and Westlake Ave N, near MW128	Deep	98.3 to 108.3	-69.0 to -79.0	Located to investigate the CVOC concentrations at the base of the Deep Zone near MW128, screened 40 feet below the elevation monitored by MW128	Yes	No	No	Yes	Yes	To be evaluated	Yes	MW-342 MW-343	Groundwater exceedance in the Deep Zone
MW-330	N of the NE corner of Mercer St and Westlake Ave N	Deep	80 to 90	-51 to -61	Located to investigate the CVOC concentrations in the Deep Zone near the eastern extent of the plume, screened approximately 16 to 30 feet below the elevations of GEI-2 and FMW-131	Not installed					No	No	–	Purpose of this well fulfilled by the presence of FMW-137

Notes:

1. ft bgs = feet below ground surface, depths approximate for planned explorations
2. Elevation = feet relative to the North American Vertical Datum of 1988 (NAVD 88)
3. VOCs = volatile organic compounds
4. CVOCs = chlorinated VOCs
5. Other = physical and transport parameters (e.g., grain size, vertical K, bulk density, and/or foc).

Table 9

Petroleum Hydrocarbons and CVOCs in Vadose Zone Soil
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Reslts (milligrams per kilogram)															
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Levels	30		0.030		0.27		0.34		0.83		0.025		0.030		0.050		0.050		0.050	
Perimeter Injection Wells																								
PRB-A3/PRB-C3	A3C3-3	1/16/19	3	39.67	0.904	U	0.000427	U	**0.00283**	**J**	0.000565	U	0.00510	U	**0.00790**		**0.000766**	**J**	0.000736	U	0.00152	U	0.000728	U
	A3C3-6	1/16/19	6	36.67	0.973	U	0.000459	U	**0.00350**	**J**	**0.00140**	**J**	0.00548	U	**0.160**		**0.0214**		**0.00343**		0.00164	U	0.000783	U
	A3C3-8	1/16/19	8	34.67	**12.9**		**0.00540**		**0.0380**		**0.00311**	**J**	**0.0142**		**0.149**		**0.0396**		**0.00948**		0.00287	U	0.00137	U
PRB-A9/PRB-C9	A9C9-3	1/21/19	3	40.12	–		**0.141**		**0.0115**		**0.00160**	**J**	0.00806	U	**0.109**		0.000675	U	0.00116	U	0.00242	U	0.00115	U
	A9C9-6	1/21/19	6	37.12	–		**0.0153**		**0.00773**		**0.00295**	**J**	**0.0170**		**0.00257**	**J**	0.000490	U	0.000845	U	0.00175	U	0.000837	U
	A9C9-10	1/21/19	10	33.12	–		**0.0228**		**0.00384**	**J**	**0.000632**	**J**	0.00552	U	**0.00251**	**J**	0.000462	U	**0.00338**		0.00165	U	**0.00102**	**J**
PRB-B2/PRB-D2	B2D2-3	1/16/19	3	38.75	0.924	U	0.000436	U	**0.00144**	**J**	0.000578	U	0.00521	U	**0.0133**		0.000436	U	0.000752	U	0.00156	U	0.000745	U
	B2D2-6	1/16/19	6	35.75	**4.28**		**0.0111**		**0.00424**	**J**	**0.00256**	**J**	**0.0127**		**0.180**		0.000557	U	0.000961	U	0.00199	U	0.000951	U
PRB-B4/PRB-D4	B4D4-3	1/17/19	3	39.67	–		0.000453	U	0.00141	U	0.000600	U	0.00541	U	0.000792	U	0.000453	U	0.000781	U	0.001620	U	0.000773	U
	B4D4-6	1/17/19	6	36.67	–		**0.00961**		**0.00647**	**J**	**0.00168**	**J**	**0.00818**	**J**	**0.0605**		**0.00337**		**0.00697**		0.002250	U	**0.00371**	**J**
PRB-B5/PRB-D5	B5D5-10	2/14/19	10	32.92	–		**0.00147**		**0.00260**	**J**	0.000621	U	0.00560	U	**0.140**		**0.00203**		**0.0484**		**0.00325**	**J**	0.000800	U
PRB-B11/PRB-D11	B11D11-10	1/15/19	10	35.13	–		0.000539	U	**0.0101**		**0.000783**	**J**	0.00644	U	0.000944	U	0.000539	U	0.000921	U	0.00193	U	0.000921	U
PRB-B13/PRB-D13	B13D13-10	03/21/19	10	37.50	–		0.000456	U	0.00143	U	0.000604	U	0.00545	U	**0.000798**	U	0.000456	U	0.000787	U	0.00163	U	0.000779	U
PRB-B16/PRB-D16	B16D16-15	03/13/19	15	34.5	–		0.001880	U	0.00587	U	0.00249	U	0.0224	U	0.00329	U	0.00188	U	0.00324	U	0.00672	U	0.00321	U
PRB-B18/PRB-D18	B18D18-10	03/22/19	10	41.00	–		0.000467	U	0.00146	U	0.000618	U	0.00558	U	**0.00519**		0.000467	UJ	0.000805	U	0.00167	U	0.000797	U
PRB-B19/PRB-D19	B19D19-10	03/18/19	10	42.50	–		0.000441	U	**0.00149**	**J**	0.000584	U	0.00527	U	0.000772	U	0.000441	U	0.000760	U	0.00158	U	0.000753	U
	B19D19-15	03/18/19	15	37.5	–		0.000493	U	0.00154	U	0.000654	U	0.0059	U	**0.0182**		0.000493	U	**0.0310**	**J**	0.00177	U	0.000843	U
PRB-B21/PRB-D21	B21D21-10	03/25/19	10	44.00	–		0.000459	U	0.00143	U	0.000608	U	0.00548	U	**0.000803**	U	0.000459	U	0.000791	U	0.00164	U	0.000783	U
	B21D21-20	03/25/19	20	34.00	–		0.000473	U	0.00148	U	0.000627	U	0.00565	U	**0.000828**	U	0.000473	U	0.000816	U	0.00169	U	0.000808	U
Outside the Property																								
B-2A	B-2/S-1	12/1/89	10	–	**12**		–		–		–		–		–		–		–		–		–	
B-212	B-212-15	9/8/17	15	42.6	0.977	U	0.000311	U	0.000500	U	0.000342	U	0.000804	U	0.000318	U	0.000321	U	0.000271	UJ	0.000304	U	0.000335	U
B-213	B-213-15	9/5/17	15	42.4	–		0.000313	U	0.000503	U	0.000344	U	0.000809	U	**0.00289**		0.000323	U	0.000272	U	0.000306	U	0.000337	U
B-214	B-214-15	9/7/17	15	42.4	–		0.000290	U	0.000465	U	0.000318	U	0.000748	U	0.000296	U	0.000299	U	0.000252	UJ	0.000283	U	0.000312	U
B-215	B-215-15	9/12/17	15	39.0	–		0.000293	U	0.000471	U	0.000322	U	0.000757	U	0.000299	U	0.000303	U	0.000255	U	0.000286	U	0.000316	U
BB-5	S-6	3/9/97	15-17	34.0	22	U	ND		ND		ND		ND		–		–		–		–		–	
	S-10	3/9/97	25-27	24.0	22	U	–		–		–		–		–		–		–		–		–	
BB-10 (36)	S-6	8/29/97	15-17	42.0	27	U	–		–		–		–		–		–		–		–		–	
BB-14	S-2	3/3/98	5-6.5	21.3	32	U	–		–		–		–		–		–		–		–		–	
CHB-07	CHB-07-12.5-13.5	4/14/05	12.5-13.5	16.5	7.2	U	**0.0015**		0.0011	U	0.0011	U	0.0022	U	0.0011	U	0.0011	U	**1.1**		**0.0083**		**0.027**	
	CHB-07-5.0-7.0	4/14/08	5-7	23.5	5	U	–		–		–		–		–		–		–		–		–	
GEI-4	GEI-4-2-5.0	8/23/14	5	26.0	5.34	U	0.0214	U	0.0214	U	0.0321	U	21.4	U	0.0214	U	0.0214	U	0.0214	U	–		0.0214	U
MW-1 (SCLB-3)	RS3-2.5	3/15/93	2.5	37.5	20	U	–		–		–		–		–		–		–		–		–	
	RS3-7.5	3/15/93	7.5	32.5	20	U	–		–		–		–		–		–		–		–		–	
MW-2 (SCLB-4)	RS4-2.5	3/15/93	2.5	37.5	20	U	–		–		–		–		–		–		–		–		–	
	RS4-7.5	3/15/93	7.5	32.5	20	U	–		–		–		–		–		–		–		–		–	
MW-3 (SCLB-5)	RS5-2.5/RS5-7.5 (Comp)	3/16/93	2.5-7.5	–	20	U	–		–		–		–		–		–		–		–		–	
MW-4 (SCLB-6)	RS6-2.5	3/17/93	2.5	37.5	20	U	–		–		–		–		–		–		–		–		–	
	RS6-7.5	3/17/93	7.5	32.5	20	U	–		–		–		–		–		–		–		–		–	
	RS6-12.5	3/17/93	12.5	27.5	20	U	–		–		–		–		–		–		–		–		–	

Table 9

Petroleum Hydrocarbons and CVOCs in Vadose Zone Soil
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Reslts (milligrams per kilogram)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
			Screening Levels		**30**		**0.030**		**0.27**		**0.34**		**0.83**		**0.025**		**0.030**		**0.050**		**0.050**		**0.050**	
MW-5 (SCLB-7)	RS7-2.5	3/17/93	2.5	37.5	20	U	–		–		–		–		–		–		–		–		–	
	RS7-7.5	3/17/93	7.5	32.5	20	U	–		–		–		–		–		–		–		–		–	
	RS7-12.5	3/17/93	12.5	27.5	20	U	–		–		–		–		–		–		–		–		–	
MW103 (B103)	B103-10	7/25/12	10	25.9	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW105 (B105)	B105-10	8/6/12	10	34.2	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW106 (B106)	B106-10	8/14/12	10	42.0	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
(-78.0 to -88.0)	B106-20	8/14/12	20	32.0	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW107 (B107)	B107-05	3/12/12	5	38.8	2	U	0.03	U	0.05	U	0.05	U	0.15	U	0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW109 (B109)	B109-05	4/12/12	5	30.0	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW111 (B111)	B111-10	5/12/12	10	26.5	–		–		–		–		–		0.05	U	0.06	U	0.1	U	0.1	U	0.1	U
MW112 (B112)	B112-10	11/12/12	10	47.5	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
	B112-20	11/12/12	20	37.5	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW114 (B114)	B114-15	10/12/12	15	30.8	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW115 (B115)	B115-10	12/13/12	10	24.1	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW117 (B117)	B117-10	2/4/13	10	46.9	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
	B117-20	2/4/13	20	36.9	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW118 (B118)	B118-10	3/21/13	10	42.9	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
	B118-20	3/21/13	20	32.9	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
	B118-30	3/21/13	30	22.9	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW119 (B119)	B119-10	3/21/13	10	27.4	–		–		–		–		–		0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW124 (B124)	B124-20	12/19/13	20	36.2	2	U	0.03	U	0.05	U	0.05	U	0.15	U	0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW125 (B125)	B125-15	12/20/13	15	28.6	2	U	0.03	U	0.05	U	0.05	U	0.15	U	0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW127 (B127)	B127-15	12/31/13	15	24.0	–		0.03	U	0.05	U	0.05	U	0.15	U	0.025	U	0.03	U	0.05	U	0.05	U	0.05	U
MW-138	MW-138-15	9/12/17	15	42.5	–		0.000321	U	0.000516	U	0.000353	U	0.000830	U	0.000328	U	0.000332	U	0.000279	U	0.000314	U	0.000346	U
MW-140	MW-140-15	8/30/17	15	35.6	–		0.000308	U	0.000495	U	0.000339	U	0.000796	U	0.000315	U	0.000318	U	0.000268	U	0.000301	U	0.000332	U
MW-142	MW-142-5	4/12/18	5	37.1	–		**0.000392**	**J**	0.000522	U	0.000357	U	0.000840	U	0.000332	U	0.000336	U	0.000283	U	0.000318	U	0.000350	U
MW-143	MW-143-10	4/11/18	10	32.0	–		**0.00459**		0.000602	U	0.000412	U	0.000968	U	**0.000499**	**J**	0.000387	U	0.000326	U	0.000366	U	0.000403	U
MW-145	MW-145-10	4/17/18	10	33.5	–		0.000339	U	0.000545	U	0.000373	U	0.000877	U	0.000347	U	0.000351	U	0.000295	U	0.000332	U	0.000366	U
MW-147	MW-147-10	4/2/18	10	41.9	–		**0.000566**	**J**	0.000471	U	0.000323	U	0.000758	U	**0.000697**	**J**	0.000303	U	0.000255	U	0.000287	U	0.000316	U
	MW-147-20	4/2/18	20	31.9	–		0.000292	U	0.000469	U	0.000321	U	0.000754	U	**0.000759**	**J**	0.000302	U	0.000254	U	0.000285	U	0.000314	U
MW-148	MW-148-11	4/9/18	11	32.9	–		**0.000728**	**J**	0.000501	U	0.000343	U	0.000805	U	0.000318	U	0.000322	U	0.000271	U	0.000305	U	0.000336	U
MW-153	MW-153-10	3/27/18	10	44.4	–		0.000306	U	0.000492	U	0.000337	U	0.000792	U	0.000313	U	0.000316	U	0.000266	U	0.000299	U	0.000330	U
	MW-153-20	3/27/18	20	34.4	–		0.000296	U	0.000475	U	0.000325	U	0.000764	U	**0.000561**	**J**	0.000305	U	0.000257	U	0.000289	U	0.000318	U
MW-161	MW-161-11	5/14/18	11	32.8	–		0.00123	U	0.00615	U	0.00307	U	0.00799	U	**0.00523**		0.00123	U	**0.00563**		0.00615	U	0.00307	U
MW-190	MW-190-5	09/19/19	5	43.7	**1.03**	**J**	**0.000741**	**J**	**0.00891**		0.000611	U	0.00551	U	**0.0166**		0.000461	U	0.000796	U	0.00165	U	0.000788	U
	MW-190-10	09/19/19	10	38.7	**3.07**	**J**	**0.00553**		**0.0371**		**0.00350**	**J**	**0.0280**		**0.0965**		0.000827	U	0.00143	U	0.00296	U	0.00141	U
	MW-190-15	09/19/19	15	33.7	1.12	U	0.000530	U	**0.0200**		0.000702	U	0.00633	U	0.000927	U	0.000530	U	0.000913	U	0.00189	U	0.000904	U
MW-301	MW-301-6	09/20/19	6	47.8	–		0.000469	U	**0.0191**		**0.000628**	**J**	0.00560	U	**0.00260**	**J**	0.000469	U	0.000809	U	0.00168	U	0.000800	U
	MW-301-10	09/20/19	10	43.8	–		0.000440	U	**0.00321**	**J**	0.000583	U	0.00526	U	**0.00463**	**J**	0.000440	U	0.000759	U	0.00157	U	0.000751	U
	MW-301-15	09/20/19	15	38.8	–		0.000454	U	**0.0258**		0.000602	U	0.00543	U	**0.00396**	**J**	0.000454	U	0.000783	U	0.00162	U	0.000775	U
MW-302	MW-302-5	10/01/19	5	52.3	–		0.000468	U	**0.00938**		**0.00110**	**J**	**0.00584**	**J**	**0.0461**		0.000468	U	0.000808	U	0.00167	U	0.000800	U
	MW-302-10	10/01/19	10	47.3	–		0.000498	U	0.00156	U	0.000659	U	0.00595	U	0.000871	U	0.000498	U	0.000859	U	0.00178	U	0.000850	U
	MW-302-15	10/01/19	15	42.3	–		0.000545	U	**0.0142**		0.000723	U	0.00651	U	**0.00215**	J	0.000545	U	0.000940	U	0.00195	U	0.000931	U

Table 9

Petroleum Hydrocarbons and CVOCs in Vadose Zone Soil
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Reslts (milligrams per kilogram)															
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
			Screening Levels		30		0.030		0.27		0.34		0.83		0.025		0.030		0.050		0.050		0.050	
MW-304	MW-304-5	10/01/19	5	52.6	–		0.000451	U	**0.00212**	**J**	0.000597	U	0.00538	U	**0.0250**		0.000451	U	0.000777	U	0.00161	U	0.000769	U
	MW-304-10	10/01/19	10	47.6	–		0.000456	U	**0.00202**	**J**	0.000604	U	0.00545	U	**0.0198**		0.000456	U	0.000786	U	0.00163	U	0.000778	U
	MW-304-15	10/01/19	15	42.6	–		0.000476	U	0.00149	U	0.000630	U	0.00568	U	**0.00806**		0.000476	U	0.000820	U	0.00170	U	0.000812	U
	MW-304-20	10/01/19	20	37.6	–		**0.00166**		**0.00496**	**J**	0.000624	U	0.00563	U	0.000824	U	0.000471	U	0.000813	U	0.00168	U	0.000804	U
MW-307	MW-307-6	10/03/19	6	54.5	–		0.000447	U	**0.0131**		**0.000603**	**J**	0.00534	U	0.000783	U	0.000447	U	0.000771	U	0.00160	U	0.000764	U
	MW-307-10	10/03/19	10	50.5	–		**0.000462**	**J**	**0.0260**		**0.000971**	**J**	0.00551	U	0.000806	U	0.000460	U	0.000794	U	0.00165	U	0.000786	U
	MW-307-15	10/03/19	15	45.5	–		0.000431	U	**0.00403**	**J**	0.000571	U	0.00515	U	0.000754	U	0.000431	U	0.000743	U	0.00154	U	0.000736	U
	MW-307-20	10/03/19	20	40.5	–		0.000428	U	**0.00602**		0.000567	U	0.00511	U	0.000749	U	0.000428	U	0.000738	U	0.00153	U	0.00073	U
	MW-307-25	10/03/19	25	35.5	–		0.000439	U	**0.00675**		0.000581	U	0.00524	U	0.000768	U	0.000439	U	0.000757	U	0.00157	U	0.000749	U
MW-309	MW-309-5	09/19/19	5	25.4	–		**0.00514**		**0.0102**		**0.00118**	**J**	**0.00734**	**J**	**0.00188**	J	0.000477	U	0.000823	U	0.00171	U	0.000815	U
MW-311	MW-311-5	09/18/19	5	28.1	–		**0.000644**	**J**	**0.00756**		0.000634	U	0.00572	U	**0.00286**	**J**	0.000479	U	0.000826	U	0.00171	U	0.000818	U
MW-312	MW-312-6	09/16/19	6	29.6	–		**0.000742**	**J**	**0.00946**		0.000645	U	0.00582	U	0.000852	U	0.000487	U	0.000839	U	0.00174	U	0.000831	U
	MW-312-10	09/16/19	10	25.6	–		**0.00135**	**J**	**0.0225**		**0.00123**	**J**	0.009700	U	0.00142	U	0.000812	U	0.00140	U	0.00290	U	0.00139	U
MW-314	MW-314-6	09/13/19	6	33.8	–		**0.000909**	**J**	**0.00468**	**J**	**0.000803**	**J**	**0.00561**	**J**	**0.00325**		0.000454	U	0.000784	U	0.00162	U	0.000776	U
	MW-314-10	09/13/19	10	29.8	–		0.000459	U	**0.00970**		0.000608	U	0.00549	U	0.000803	U	0.000459	U	0.000791	U	0.00165	U	0.000784	U
MW-316	MW-316-5	09/09/19	5	44.8	–		0.000433	U	**0.00780**		0.000574	U	0.00517	U	0.000758	U	0.000433	U	0.000747	U	0.00155	U	0.000739	U
	MW-316-10	09/09/19	10	39.8	–		0.000453	U	**0.0197**		0.000600	U	0.00541	U	0.000792	U	0.000453	U	0.000781	U	0.00162	U	0.000773	U
	MW-316-15	09/09/19	15	34.8	–		0.000450	U	**0.00457**	**J**	0.000596	U	0.00537	U	0.000787	U	0.000450	U	0.000776	U	0.00161	U	0.000768	U
	MW-316-20	09/09/19	20	29.8	–		0.000431	U	**0.00535**	**J**	0.000572	U	0.00516	U	**0.00305**		0.000431	U	0.000744	U	0.00154	U	0.000737	U
	MW-316-25	09/09/19	25	24.8	–		0.000454	U	**0.00791**		0.000601	U	0.00542	U	0.000794	U	0.000454	U	**0.00142**	**J**	0.00162	U	0.000775	U
MW-319	MW-319-6	09/18/19	6	25.7	–		**0.000468**	**J**	**0.0154**		**0.00182**	**J**	**0.0102**		0.000812	U	0.000464	U	0.000801	U	0.00166	U	0.000792	U
	MW-319-10	09/18/19	10	21.7	–		0.000461	U	**0.00939**		0.000611	U	0.00551	U	**0.00247**	**J**	0.000461	U	0.000796	U	0.00165	U	0.000787	U
MW-323	MW-323-10	09/28/19	10	24.7	–		**0.0151**		**0.0310**		0.00129	U	0.0117	U	**0.0312**		0.000975	U	**0.0168**		0.00349	U	0.00167	U
	MW-2012-10	09/28/19	10 (dup)	24.7	–		0.000500	U	**0.0132**		0.000662	U	0.00598	U	**0.000875**	U	0.000500	U	0.000862	U	0.00178	U	0.000853	U
MW-324	MW-324-6	09/12/19	6	28.3	–		0.000450	U	**0.00454**	**J**	0.000596	U	0.00538	U	0.000787	U	0.000450	U	0.000776	U	0.00161	U	0.000768	U
	MW-324-10	09/12/19	10	24.3	–		0.000463	U	**0.00790**		0.000614	U	0.00553	U	**0.00158**	J	0.000463	U	**0.00566**		0.00166	U	0.000791	U
MW-326	MW-326-5	09/09/19	5	36.3	–		**0.00274**		**0.00961**		**0.00213**	**J**	**0.00846**		0.000771	U	0.000441	U	0.000760	U	0.00158	U	0.000753	U
	MW-326-10	09/09/19	10	31.3	–		0.000532	U	**0.00821**		0.000705	U	0.00636	U	0.000932	U	0.000532	U	0.000918	U	0.00191	U	0.000909	U
	MW-326-15	09/09/19	15	26.3	–		0.000468	U	**0.00821**		0.000620	U	0.00559	U	0.000819	U	0.000468	U	0.000807	U	0.00167	U	0.000799	U
	MW-326-20	09/09/19	20	21.3	–		0.000468	U	**0.00613**		0.000620	U	0.00560	U	0.000819	U	0.000468	U	0.000808	U	0.00167	U	0.000800	U
MW-328	MW-328-5	09/16/19	5	23.4	–		0.000476	U	**0.0262**		**0.000952**	**J**	0.00568	U	0.000832	U	0.000476	U	0.000820	U	0.00170	U	0.000812	U
MW-329	MW-329-5	09/12/19	5	24.3	–		0.000428	U	**0.00386**	**J**	0.000566	U	0.00511	U	0.000748	U	0.000428	U	**0.00156**	**J**	0.00153	U	0.000730	U
	MW-329-10	09/12/19	10	19.3	–		0.000421	U	**0.0318**		0.000558	U	0.00503	U	0.000736	U	0.000421	U	**0.000902**	**J**	0.00150	U	0.000718	U
PW-1	Composite	1/1/98	–	–	31	U	–		–		–		–		–		–		–		–		–	
PW-4	Composite	5/13/98	–	–	27	U	ND		ND		ND		ND		ND		ND		ND		ND		ND	
R-MW4	Unknown	10/22/92	5	35.9	–		–		–		–		–		0.005	U	0.005	U	–		0.005	U	0.010	U
R-MW6	Unknown	10/27/92	6	39.3	–		–		–		–		–		0.005	U	0.005	U	–		0.005	U	0.010	U
	Unknown	10/27/92	11	34.3	–		–		–		–		–		0.005	U	0.005	U	–		0.005	U	0.010	U
RB1	RB1-17.5	10/18/93	17.5	18.4	5	U	0.063	U	0.063	U	0.063	U	0.13	U	–		–		–		–		–	
RB2	RB2-12.5	10/18/93	12.5	23.6	5	U	0.062	U	0.062	U	0.062	U	0.012	U	–		–		–		–		–	
	RB2-17.5	10/18/93	17.5	18.6	5	U	**0.045**	**J**	0.062	U	**0.058**	**J**	**0.18**		–		–		–		–		–	
RB3	RB3-17.5	10/18/93	17.5	20.5	5	U	0.061	U	0.061	U	0.061	U	0.12	U	–		–		–		–		–	

Table 9

Petroleum Hydrocarbons and CVOCs in Vadose Zone Soil
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Reslts (milligrams per kilogram)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
				Screening Levels	**30**		**0.030**		**0.27**		**0.34**		**0.83**		**0.025**		**0.030**		**0.050**		**0.050**		**0.050**	
SCL-B100	B-100, S1	6/10/02	–	–	1	U	0.02	U	0.02	U	0.02	U	0.02	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	B-100, S2	6/10/02	–	–	1	U	0.02	U	0.02	U	0.02	U	0.02	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SCL-B101	B-101- S1&2	6/17/02	–	–	**2**		0.02	U	0.02	U	0.02	U	0.02	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	B101-S3	6/17/02	–	–	1	U	0.02	U	0.02	U	0.02	U	0.02	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SCL-B102	B102-S1	6/17/02	–	–	**6**		**0.03**		**0.09**		**0.04**		**0.13**		0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	B102-S2	6/17/02	–	–	1	U	0.02	U	0.02	U	0.02	U	0.02	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
SCL-MW101	MW101-S3	6/14/02	–	–	1	U	**0.07**		0.02	U	**0.04**		**0.05**		–		–		–		–		–	
SCL-MW102	MW-102, S1	6/10/02	–	–	**99**		**0.67**		**0.47**		**1.0**		**2.5**		–		–		–		–		–	
	MW-102, S2	6/10/02	–	–	**2**		**0.05**		0.02	U	**0.12**		**0.07**		–		–		–		–		–	
SCL-MW103	MW103-S1&S2	6/14/02	–	–	1	U	0.02	U	0.02	U	0.02	U	0.02	U	–		–		–		–		–	
SCL-MW105	MW-105, S2	6/10/02	–	–	**650**		**2.1**		**1.5**		**11**		**24**		–		–		–		–		–	
	MW-105, S4	6/10/02	–	–	1	U	**0.05**		0.02	U	0.02	U	**0.03**		–		–		–		–		–	
SCLB-1	RS1-2.5/RS-1 7.5 (Comp)	3/12/93	2.5-7.5	–	20	U	–		–		–		–		–		–		–		–		–	
	RS1-12.5/RS1-17.5 (Comp)	3/12/93	12.5-17.5	–	**310**		**2.0**		**0.66**		**5.0**		**25.2**	**ve**	–		–		–		–		–	
SCLB-2	RS2-2.5/RS-2 7.5 (Comp)	3/12/93	2.5-7.5	–	**110**		–		–		–		–		–		–		–		–		–	
	RS2-12.5/RS2-17.5 (Comp)	3/12/93	12.5-17.5	–	**1,800**		**4.0**		**24**		**23**		**115**	**ve**	–		–		–		–		–	
SSD-MW-1	MW-1 S-2	5/24/89	5-6.5	34.0	**4**	**A**	0.01	U	0.01	U	0.01	U	0.01	U	–		–		–		–		–	
	MW-1 S-6	5/24/89	15-16.5	24.0	**332**	**A**	0.01	U	**1.03**		**2.84**		**6.25**		–		–		–		–		–	
SSD-MW-2	MW-2 S-3	5/24/89	7.5-9	31.0	**338**	**A**	0.01	U	0.01	U	0.01	U	0.01	U	–		–		–		–		–	
	MW-2 S-6	5/24/89	15-16.5	31.0	**71**	**A**	0.01	U	**0.53**		0.01	U	0.01	U	–		–		–		–		–	
SSD-MW-3	MW-3 S-2	5/24/89	5-6.5	34.0	**1**	**A**	0.01	U	0.01	U	0.01	U	0.01	U	–		–		–		–		–	
	MW-3 S-5	5/24/89	12.5-14	34.0	**5**	**A**	0.01	U	0.01	U	0.01	U	0.01	U	–		–		–		–		–	
SSD-MW-4	MW-4 S-6	5/25/89	14.5-16	36.8	**6**	**A**	0.01	U	0.01	U	**0.069**		**0.096**		–		–		–		–		–	
	MW-4 S-9	5/25/89	22-23	29.5	**9**	**A**	0.01	U	0.01	U	0.01	U	0.01	U	–		–		–		–		–	
TB-12	16	8/1/97	62-63	-24.5	24	U	–		–		–		–		–		–		–		–		–	
TB-18	S-2	3/17/98	5-6.5	38.3	27	U	ND		ND		ND		ND		ND		ND		ND		ND		ND	
W-MW-02 (P-06)	SB-W-06-0900	1/29/12	9-9.5	34.0	–		**0.0009**	**J**	0.0013	U	0.0013	U	0.0026	U	**0.058**	**T**	**0.0081**		0.0013	U	0.0013	U	0.0013	U
Mercer Megablock																								
DGW-1	DGW-1-10	03/06/19	10	37	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-1-12.5	03/06/19	12.5	34.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-1-15	03/06/19	15	32	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DGW-2	DGW-2-5	03/04/19	5	54	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-2-10	03/04/19	10	49	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-2-25	03/04/19	25	34	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DGW-3	DGW-3-2.5	03/06/19	2.5	44.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-3-12.5	03/06/19	12.5	34.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-3-15	03/06/19	15	32	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DGW-4	DGW-4-5	03/04/19	5	60	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-4-10	03/04/19	10	55	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-4-15	03/04/19	15	50	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DGW-4-20	03/04/19	20	45	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U

Table 9

Petroleum Hydrocarbons and CVOCs in Vadose Zone Soil
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Reslts (milligrams per kilogram)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
			Screening Levels		**30**		**0.030**		**0.27**		**0.34**		**0.83**		**0.025**		**0.030**		**0.050**		**0.050**		**0.050**	
DMW-1S	DMW-1S-5	03/23/19	5	42	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DMW-1S-10	03/23/19	10	37	5.0	U	0.020	U	0.050	U	**0.053**		**0.071**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DMW-1S-12.5	03/23/19	12.5	34.5	**1,200**		0.020	U	0.050	U	**2.1**		**4.4**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DMW-1S-15	03/23/19	15	32	**67**		0.020	U	0.050	U	**0.12**		**0.20**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DPP-1	DPP-1-5	03/04/19	5	54.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-1-7.5	03/04/19	7.5	52	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-1-10	03/04/19	10	49.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DPP-2	DPP-2-20	03/04/19	20	39.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-2-5	03/04/19	5	54	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-2-10	03/04/19	10	49	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DPP-3	DPP-3-5	03/05/19	5	42	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-3-15	03/05/19	15	32	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DPP-4	DPP-4-10	03/04/19	10	49	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-4-12.5	03/04/19	12.5	46.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-4-17.5	03/04/19	17.5	41.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-4-20	03/04/19	20	39	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DPP-5	DPP-5-10	03/04/19	10	49	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-5-17.5	03/04/19	17.5	41.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-5-20	03/04/19	20	39	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
DPP-6	DPP-6-5	03/05/19	5	42	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-6-7.5	03/05/19	7.5	39.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	DPP-6-12.5	03/05/19	12.5	34.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HMW-1IB	HMW-1IB-7.5	03/12/19	7.5	30.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	HMW-1IB-15	03/12/19	15	23	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HMW-2IB	HMW-2IB-7.5	03/12/19	7.5	39.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	HMW-2IB-15	03/12/19	15	32	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HMW-3IA	HMW-3IA-15	03/15/19	15	40.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	HMW-3IA-20	03/15/19	20	35.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	HMW-3IA-22.5	03/15/19	22.5	33	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	HMW-3IA-25	03/15/19	25	30.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
HMW-4IA	HMW-4IA-5	03/07/19	5	51	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	HMW-4IA-7.5	03/07/19	7.5	48.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	HMW-4IA-10	03/07/19	10	46	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	HMW-4IA-25	03/07/19	25	31	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-1	MBGW-1-5	03/06/19	5	40	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-1-12.5	03/06/19	12.5	32.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-1-17.5	03/06/19	17.5	27.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-2	MBGW-2-5	03/04/19	5	38.5	–		–		–		–		–		–		–		–		–		–	
	MBGW-2-10	03/04/19	10	33.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-2-12.5	03/04/19	12.5	31	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U

Table 9

Petroleum Hydrocarbons and CVOCs in Vadose Zone Soil
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Reslts (milligrams per kilogram)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
			Screening Levels		**30**		**0.030**		**0.27**		**0.34**		**0.83**		**0.025**		**0.030**		**0.050**		**0.050**		**0.050**	
MBGW-3	MBGW-3-5	03/07/19	5	42	–		–		–		–		–		–		–		–		–		–	
	MBGW-3-7.5	03/07/19	7.5	39.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-3-10	03/07/19	10	37	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-3-12.5	03/07/19	12.5	34.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-4	MBGW-4-5	03/06/19	5	41.5	–		–		–		–		–		–		–		–		–		–	
	MBGW-4-7.5	03/06/19	7.5	39	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-4-10	03/06/19	10	36.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-4-12.5	03/06/19	12.5	34	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-5	MBGW-5-10	03/11/19	10	43	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-5-15	03/11/19	15	38	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-5-20	03/11/19	20	33	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-6	MBGW-6-10	03/14/19	10	42	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-6-15	03/14/19	15	37	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-6-20	03/14/19	20	32	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-8	MBGW-8-10	03/15/19	10	37	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-8-15	03/15/19	15	32	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-8-25	03/15/19	25	22	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-9	MBGW-9-10	03/13/19	10	42.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-9-15	03/13/19	15	37.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-9-20	03/13/19	20	32.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-9-25	03/13/19	25	27.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-9-30	03/13/19	30	22.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-10	MBGW-10-10	03/13/19	10	–	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-10-15	03/13/19	15	–	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-10-20	03/13/19	20	–	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-10-25	03/13/19	25	–	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-11	MBGW-11-30	03/13/19	30	50.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-11-5	03/12/19	5	48	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-11-10	03/12/19	10	43	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-12	MBGW-12-5	03/15/19	5	48.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-12-20	03/15/19	20	33.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-13	MBGW-13-5	03/14/19	5	49	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-13-7.5	03/14/19	7.5	46.5	–		0.020	U	0.050	U	**0.17**		**0.19**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-13-10	03/14/19	10	44	**730**		0.020	U	**0.14**		**3.9**		**7.0**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-13-12.5	03/14/19	12.5	41.5	–		0.020	U	0.050	U	**0.5**		**0.63**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-13-15	03/14/19	15	39	**16**		0.020	U	0.050	U	**0.011**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-13-20	03/14/19	20	34	5.0	U	0.020	U	0.050	U	**0.060**		0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-14	MBGW-14-10	03/06/19	10	33.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-14-15	03/06/19	15	28.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-14-20	03/06/19	20	23.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBGW-16	MBGW-16-10	03/08/19	10	42	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-16-15	03/08/19	15	37	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBGW-16-20	03/08/19	20	32	–		–		–		–		–		–		–		–		–		–	

Table 9

Petroleum Hydrocarbons and CVOCs in Vadose Zone Soil
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Elevation (feet NAVD 88)	Analytical Reslts (milligrams per kilogram)																	
					GRO		Benzene		Toluene		Ethylbenzene		Total Xylenes		PCE		TCE		cDCE		tDCE		VC	
			Screening Levels		**30**		**0.030**		**0.27**		**0.34**		**0.83**		**0.025**		**0.030**		**0.050**		**0.050**		**0.050**	
MBPP-1	MBPP-1-30	03/08/19	30	22	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-1-20	03/05/19	20	23.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-1-25	03/05/19	25	18.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBPP-2	MBPP-2-10	03/05/19	10	33.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-2-20	03/05/19	20	23.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBPP-3	MBPP-3-10	03/06/19	10	33.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-3-20	03/06/19	20	23.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBPP-4	MBPP-4-2.5	03/07/19	2.5	44.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-4-10	03/07/19	10	37	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-4-15	03/07/19	15	32	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-4-17	03/07/19	17	30	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-4-18	03/07/19	18	29	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBPP-5	MBPP-5-10	03/07/19	10	37	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-5-15	03/07/19	15	32	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-5-17.5	03/07/19	17.5	29.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-5-20	03/07/19	20	27	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBPP-6	MBPP-6-7.5	03/08/19	7.5	44.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-6-10	03/08/19	10	42	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-6-12.5	03/08/19	12.5	39.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-6-15	03/08/19	15	37	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-6-17.5	03/08/19	17.5	34.5	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-6-20	03/08/19	20	32	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-6-25	03/08/19	25	27	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBPP-7	MBPP-7-5	03/08/19	5	47	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-7-15	03/08/19	15	37	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-7-23	03/08/19	23	29	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
MBPP-8	MBPP-8-10	03/08/19	10	44	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-8-15	03/08/19	15	39	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-8-22.5	03/08/19	22.5	31.5	–		0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
	MBPP-8-30	03/08/19	30	24	5.0	U	0.020	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U

Notes:

1. PHCs analyzed by Method NWTPH-Gx
2. VOCs analyzed by EPA Methods 8010, 8020, 8021B, 8260B, 624/8240, or 8260C
3. Detected results shown in bold, detections above the screening level highlighted in gray
4. – = results not available or results not analyzed/measured
5. J = The reported concentration is an estimate based on detectable results between the method detection limit and reporting limit, laboratory QA/QC, or data validation review
6. U = Not detected at a concentration exceeding laboratory reporting limit
7. PCE = perchloroethylene (tetrachloroethene)
8. bgs = below ground surface
9. cDCE = cis1-2,-dichloroethene
10. dup = duplicate
11. GRO = gasoline-range petroleum hydrocarbons
12. TCE = trichloroethylene
13. tDCE = trans-1,2-dichloroethene
14. VC = vinyl chloride

Summary of Soil Vapor Data
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Sample Location	Sample Name	Sample Date	Analytical Results (micrograms per cubic meter)									
			PCE		TCE		cDCE		tDCE		VC	
MTCA Method B Soil Gas Screening Level			**320**		**11**		–		–		**9.5**	
SV01	SV01-20130311	03/11/13	**1.5**		0.16	U	**0.31**		0.58	U	**0.71**	
	SV01-092518	09/25/18	2.72	UJ	2.14	U	1.59	U	1.59	U	1.02	U
	SV01-092518-D	09/25/18	**137**	**J**	2.14	U	1.59	U	1.59	U	1.02	U
	SV01-020619	02/06/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV01-042919	04/29/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV01-042919-D	04/29/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV-01-071919	07/19/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV-01-071919-D	07/19/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV01-110119	11/01/19	1.36	UJ	1.07	U	0.793	U	0.793	U	0.511	U
	SV01-110119-D	11/01/19	**2.75**	**J**	1.07	U	0.793	U	0.793	U	0.511	U
	SV01-012720	01/27/20	1.36	U	1.07	U	0.793	U	0.793	U	0.511	U
	SV01-012720-D	01/27/20	1.36	U	1.07	U	0.793	U	0.793	U	0.511	U
SV02	SV02-20130311	03/11/13	**2.3**		0.17	U	0.12	U	0.61	U	0.04	U
	SV02-092518	09/25/18	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV02-020619	02/06/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV02-042919	04/29/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV-02-071919	07/19/19	**31.3**		2.14	U	1.59	U	1.59	U	1.02	U
	SV02-110119	11/01/19	**14.5**		1.07	U	0.793	U	0.793	U	0.511	U
SV03	SV03-20130311	03/11/13	**4.6**		**0.39**		0.12	U	0.58	U	0.037	U
	SV03-092518	09/25/18	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV03-020619	02/06/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U
	SV03-042919	04/29/19	2.72	U	2.14	U	1.59	U	1.59	U	1.02	U

Notes:

1. Laboratory analyses conducted by Air Toxics Ltd. of Folsom, CA (2013 samples) and Pace Analytical of Mount Juliet, TN (2018-2020 samples)
2. VOCs analyzed by U.S. Environmental Protection Agency Method TO-15 or Modified TO-15 Selective Ion Monitoring
3. PCE = perchloroethylene (tetrachloroethene)
4. TCE = trichloroethene
5. cDCE = cis-1,2-dichloroethene
6. tDCE = trans-1,2-dichloroethene
7. VC = vinyl chloride
8. Detected results shown in bold, detections exceeding MTCA Method B sub-slab soil vapor screening levels highlighted in gray
9. U = not detected at a concentration exceeding laboratory reporting limit
10. MTCA = Washington State Model Toxics Control Act
11. – = screening level not established

Table 11

Addtional RI Monitoring Wells
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Well Number	Site Location	Approximate Water Bearing Zone	Estimated Well Screen Completion		Soil Samples Collected During Drilling		Soil Sample Analyses		Installation Rationale
			Depth (ft bgs)	Elevation (ft)	Number	Rationale	VOCs	Other	
MW-330	Parking lane N side of Valley St across from MW-301 & MW-189	Intermediate A	52 to 62	-1 to -11	12	1/5 ft starting at 5 ft bgs	X	X	Located to investigate the extent of CVOCs in the Intermediate A Zone north MW-189 area. Screened to match MW-189.
MW-331	Alley between 8th Ave N and 9th Ave N, N side of MW126	Intermediate A	35 to 45	-5 to-15	9	1/5 ft starting at 5 ft bgs	X	X	Located to investigate the extent of CVOCs in the Intermediate A Zone northeast of the MW120 and MW-308 areas. Screened to match MW-308.
MW-332	N sidewalk of Roy St, E of MW-313	Shallow	20 to 30	19 to 9	6	1/5 ft starting at 5 ft bgs	X	–	Located to investigate the extent of CVOCs in the Shallow Zone east of MW-313. Screened to match MW-313.
MW-333	SDOT parcel on N side of Roy St, near FMW-140	Intermediate A	33 to 43	-1 to -11	0	samples will be collected in adjacent deeper boring	–	–	Located to investigate the extent of CVOCs in the Intermediate A Zone east of the MW115 area. Screened to match MW115.
MW-334	SDOT parcel on N side of Roy St, near FMW-140	Intermediate B	53 to 63	-21 to -31	13	1/5 ft starting at 5 ft bgs	X	X	Located to investigate the extent of CVOCs in the Intermediate B Zone east of the MW-314 and MW-322 areas. Screened to match MW-322.
MW-335	N sidewalk of Mercer St, east of MW-326	Intermediate B	60 to 70	-20 to -30	0	samples will be collected in adjacent deeper boring	–	–	Located to investigate the extent of CVOCs in the Intermediate B Zone southeast of the MW-314 and HMW-1IB areas. Screened at an elevation between the screen intervals of MW-314 and HMW-1IB.
MW-336	N sidewalk of Mercer St, east of MW-326	Deep	85 to 95	-45 to -55	20	1/5 ft starting at 5 ft bgs	X	X	Located to investigate the extent of CVOCs in the Deep Zone southeast of the FMW-129 and HMW-1D areas. Screened similar to FMW-129, HMW-1D, and MW-326.
MW-337	E of Westlake Ave N near the Lake Union, east of MW123	Shallow	9 to 19	19 to 9	0	samples will be collected in adjacent deeper boring	–	–	Located near the southern extent of South Lake Union to monitor CVOCs and shallow groundwater flow next to the lake. Screened at the water table.
MW-338	E of Westlake Ave N near the Lake Union, east of MW123	Intermediate B	44 to 54	-16 to -26	0	1/5 ft starting at 5 ft bgs	X	X	Located to investigate the extent of CVOCs in the Intermediate B Zone east of the MW-318 area, near the southern extent of South Lake Union. Screened similar to MW-318 and MW-340.
MW-339	E of Westlake Ave N near the S extent of Lake Union near MW-327	Shallow	9 to 19	19 to 9	0	samples will be collected in adjacent deeper boring	–	–	Located near the southern extent of South Lake Union to monitor CVOCs and shallow groundwater flow next to the lake. Screened at the water table.
MW-340	E of Westlake Ave N near the S extent of Lake Union near MW-327	Intermediate B	44 to 54	-16 to -26	0	samples will be collected in adjacent deeper boring	–	–	Located to investigate the extent of CVOCs in the Intermediate B Zone east of the MW-322 area, near the southern extent of South Lake Union. Screened at an elevation between the MW-327 and MW-328 screens.
MW-341	E of Westlake Ave N near the S extent of Lake Union near MW-327	Deep	94 to 104	-66 to -76	21	1/5 ft starting at 45 ft bgs	X	X	Located to investigate the vertical extent CVOCs below MW-328, near the southern extent of South Lake Union. Screened below the MW-328 well screen, similar to MW-329.
MW-342	Sidewalk on S side of Valley St, east of MW-214	Deep	60 to 70	-31 to -41	0	samples will be collected in adjacent deeper boring	–	–	Located to investigate the extent of CVOCs in the Deep Zone east of MW128. Screened to match MW128.
MW-343	Sidewalk on S side of Valley St, east of MW-214	Deep	98 to 108	-69 to -79	22	1/5 ft starting at 5 ft bgs	X	X	Located to investigate the extent of CVOCs in the Deep Zone east of MW-329. Screened to match MW-329.

Notes:

1. ft bgs = feet below ground surface, depths approximate for planned explorations
2. Elevation = feet relative to the North American Vertical Datum of 1988 (NAVD 88)
3. VOCs = volatile organic compounds
4. CVOCs = chlorinated VOCs
5. Other = physical and transport parameters. Collect two 1-gallon Ziplocs of soil for potential grain size and foc analysis and a split-barrel ring sample (6- to 12-inches long) if a silt unit is encountered (for vertical K and bulk density).
7. Property = former American Linen Supply property
8. X = parameters analyzed
9. – = not applicable or not analyzed
10. Shaded = Soil Samples to be collected during well installation

Table 12

Additional Vapor Probe Locations
American Linen Supply Co–Dexter Avenue Site
700 Dexter Avenue North, Seattle, Washington

Vapor Probe Location	Number of Additional Vapor Probes	Estimated Probe Depths (ft bgs)	Installation Rationale
West side of Dexter Avenue North near 701 Dexter Avenue North	2	5 and 15	Evaluate soil vapor quality adjacent to 701 Dexter Avenue North at multiple depths, within 100 feet of the Property and concentrations of PCE at 5 feet bgs in vadose zone soil above the screening level in MW-302.
West side of Dexter Avenue North near 717 Dexter Avenue North	2	5 and 15	Evaluate soil vapor quality adjacent to 717 Dexter Avenue North and the building's subsurface parking structures at multiple depths within 100 feet of the Property.
North side of Valley Street near 810 Dexter Avenue North	4	5 and 15, 5 and 12	Evaluate soil vapor quality adjacent to 810 Dexter Avenue North and the building's subsurface parking structure at multiple depths, within 100 feet of the Property, within 100 feet of concentrations of PCE at 10 feet bgs in vadose zone soil above the screening level in MW-190, and within 100 feet of concentrations of CVOCs in shallow groundwater above the screening level in MW-9.
South side of Roy Street across the street from the Property near 801 Roy Street	2	5 and 15	Evaluate soil vapor quality adjacent to 801 Roy Street at multiple depths, within 100 feet of the Property and and adjacent to shallow groundwater in MW-154 with concentrations of CVOCs above the screening level.
South side of Roy Street across the street from 800 Aloha Avenue North near 801 Roy Street	2	5 and 13	Evaluate soil vapor quality adjacent to 801 Roy Street at multiple depths, within 100 feet of the Property and adjacent to shallow groundwater in MW-155 with concentrations of CVOCs above the screening level.
South of 800 Aloha Avenue North on the North side of Roy Street	2	5 and 13	Evaluate soil vapor quality adjacent to 800 Aloha Avenue and the building's subgrade basement, and adjacent to concentrations of CVOCs in shallow groundwater above the screening level in MW-313.
Alley East of 800 Aloha Avenue North near 701 and 711 9th Avenue North	4	5 and 10	Evaluate soil vapor quality East of 800 Aloha Avenue North and adjacent to 701 and 711 9th Avenue North at multiple depths.
West side of 9th Avenue North near 701 9th Avenue North	2	5 and 10	Evaluate soil vapor at multiple depths adjacent to 701 9th Avenue North.
East side of 8th Avenue North across the street from the Property	4	5 and 10	Evaluate soil vapor quality adjacent to 800 Aloha Avenue North and the building's subsurface basement at multiple depths, within 100 feet of the Property, within 100 feet of concentrations of PCE and benzene at 2.5 to 10 feet bgs in vadose zone soil above the screening level in the perimeter injection wells and beneath Aloha Avenue North, and adjacent to shallow groundwater in MW-159 and MW121 with concentrations of CVOCs in above the screening level.
East side of 8th Avenue North northeast of MW-9	2	5 and 10	Evaluate soil vapor quality adjacent to 800 Aloha Avenue North and the building's subsurface basement at multiple depths, within 100 feet of the Property and concentrations of CVOCs in shallow groundwater above the screening level in MW-9.

Notes:

1. ft bgs = feet below ground surface, depths approximate for planned explorations
2. CVOCs = chlorinated volatile organic compounds
3. PCE = perchloroethylene (tetrachloroethene)

ILLUSTRATIONS

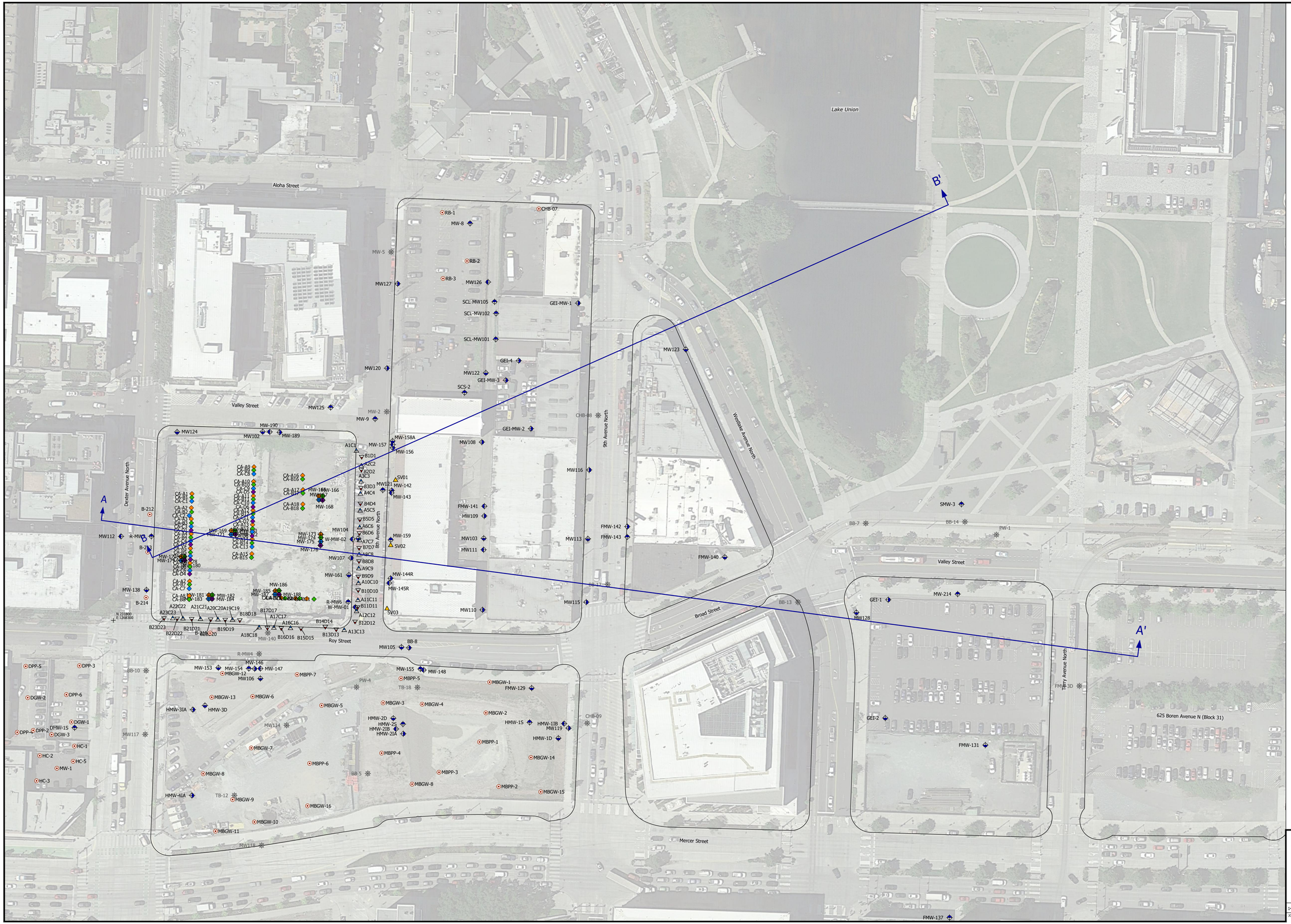
Aerial Photo: June 27, 2016 (Google 2017)

PES Environmental, Inc.
Engineering & Environmental Services

Property Location
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE
1

1413.001.02.003	141300102003_RIWA20May_1	WRH	6/20
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



Explanation

- MW121 — Shallow Zone Monitoring Well
- MW116 — Intermediate A Zone Monitoring Well
- W-MW-02 — Intermediate B Zone Monitoring Well
- MW105 — Deep Zone Monitoring Well
- SV03 — Soil Vapor Monitoring Point
- R-MW1 — Decommissioned Monitoring Well
- B-2 — Soil Boring Location
- SW-A — Lake Monitoring Location
- Type 1 Perimeter Injection Well
- Type 2 Perimeter Injection Well
- CA-A10 — Treatment Zone A Injection Well
- CA-B10 — Treatment Zone B Injection Well
- CA-C9 — Treatment Zone C Injection Well
- CA-D5 — Treatment Zone D Injection Well
- MW-165 — Treatment Zone A Monitoring Well
- MW-166 — Treatment Zone B Monitoring Well
- MW-167 — Treatment Zone C Monitoring Well
- MW-168 — Treatment Zone D Monitoring Well
- N 231800, E 1268300 — Coordinate Reference Point (NAD83, Washington State Plane North, US Feet)
- A A' — Hydrogeologic Cross-Section Location (Arrows show direction of view)

N

0 60

SCALE IN FEET

Aerial Photo: June 27, 2016 (Google 2017)

PES Environmental, Inc.
Engineering & Environmental Services

Site-Wide Exploration Location Map
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE 2

1413.001.02.501H	141300102003_RIWA20May_2	WRH	6/20
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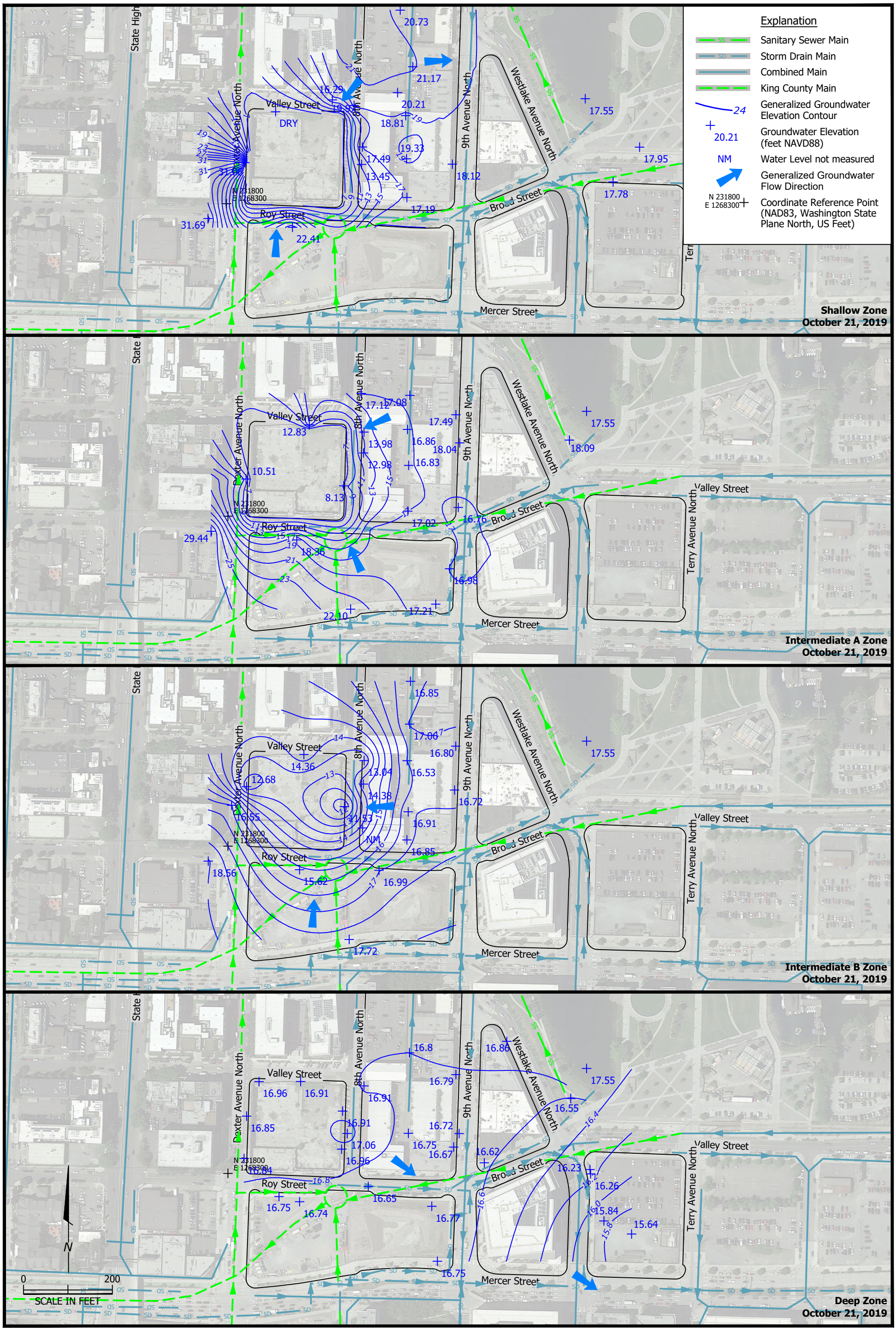
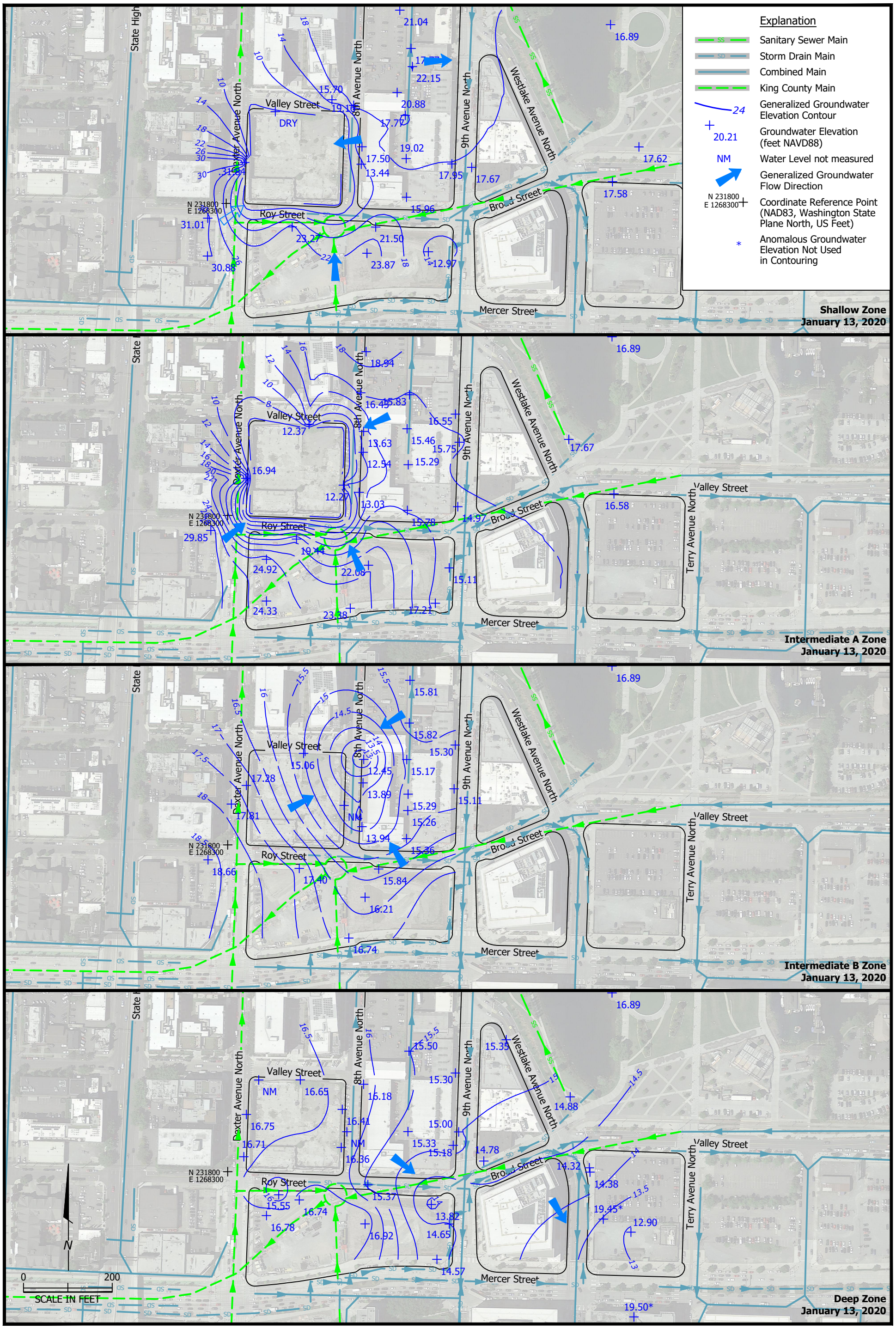


PES Environmental, Inc.
Engineering & Environmental Services

Groundwater Elevation Contours
October 21, 2019
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE
3

1413.001.02.501	H41300102003_RIWA20May_3	WRH	6/20
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

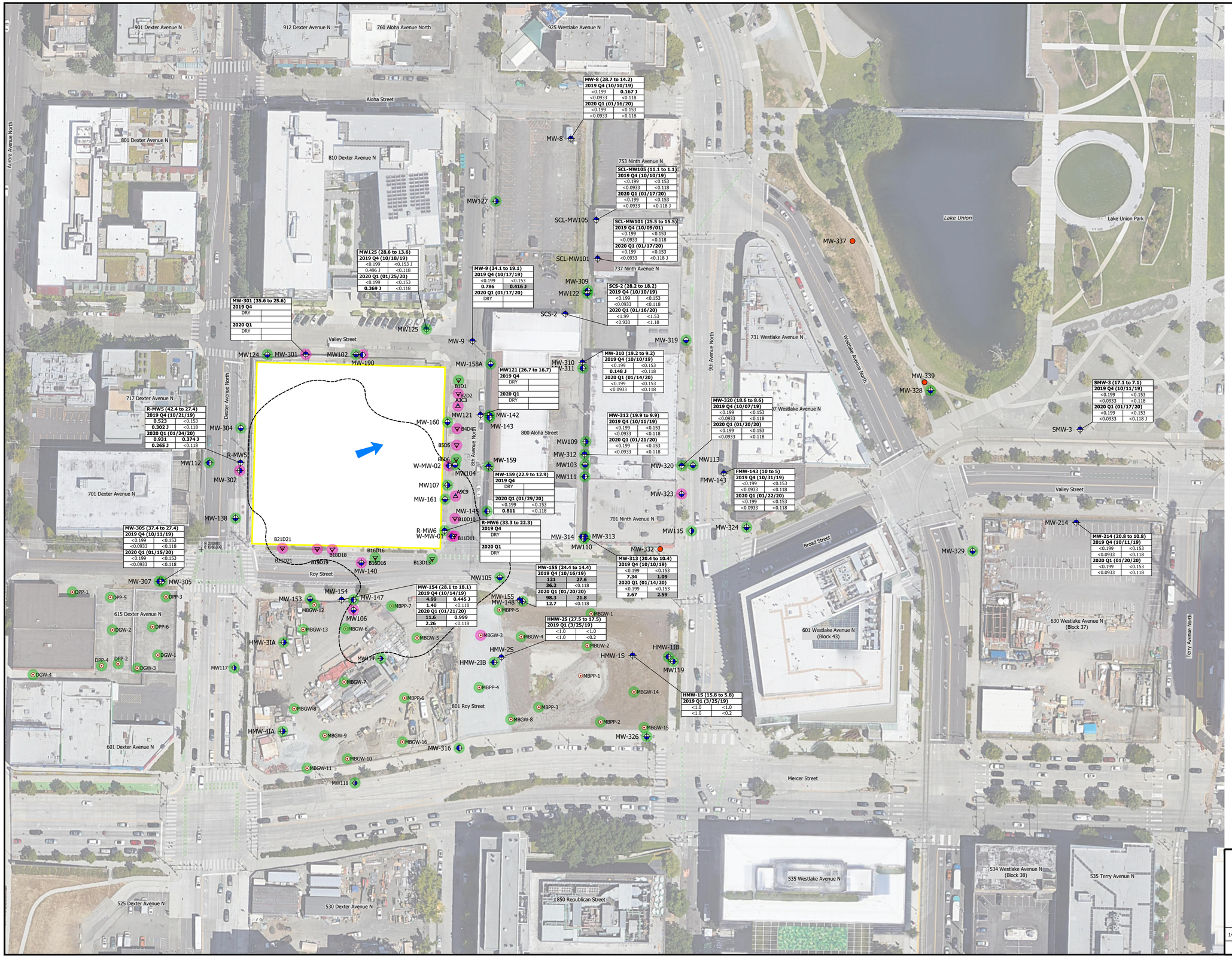


PES Environmental, Inc.
Engineering & Environmental Services

Groundwater Elevation Contours
January 13, 2020
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE
4

1413.001.02.501	H41300102003_RIWA20May_4	WRH	6/20
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



Explanation

- MW121 — Shallow Zone Monitoring Well
- R-MW1 — Decommissioned Monitoring Well
- HMW-1S — HartCrowser Monitoring Well
- Type 1 Perimeter Injection Well
- Type 2 Perimeter Injection Well
- B-205 — Soil Boring
- MW-337 — Proposed Well Location
- Generalized Groundwater Flow Direction with No Groundwater Extraction
- At least one soil sample exceeding a PCE, TCE, cDCE, or VC Screening Level
- No soil sample exceeding a PCE, TCE, cDCE, or VC Screening Level
- Pre-RI model extent of soil exceeding screening levels

Notes:
Concentrations reported in micrograms per liter (µg/L).
< = not detected at or above the method detection limit (MDL)
J = the identification of the analyte is acceptable; the reported value is an estimate
+ = the reported value may be biased high
Concentrations detected above the MDL are shown in **bold**
Concentrations above the screening level are highlighted and shown in **bold**
PCE = tetrachloroethene
TCE = trichloroethene
cDCE = cis-1,2-dichloroethene
VC = vinyl chloride
Well screen elevations shown in parentheses.
The PES 2019 Q4 GW sampling event occurred from October to December, 2019.
The PES 2020 Q1 GW sampling event occurred in January 2020.

Well (screen elevation)	
2019 Q4	
PCE	TCE
cDCE	VC
2020 Q1	
PCE	TCE
cDCE	VC

Screening Levels	
2019 Q4	
2.4	**1**
16	**0.2**
2020 Q1	
2.4	**1**
16	**0.2**

N

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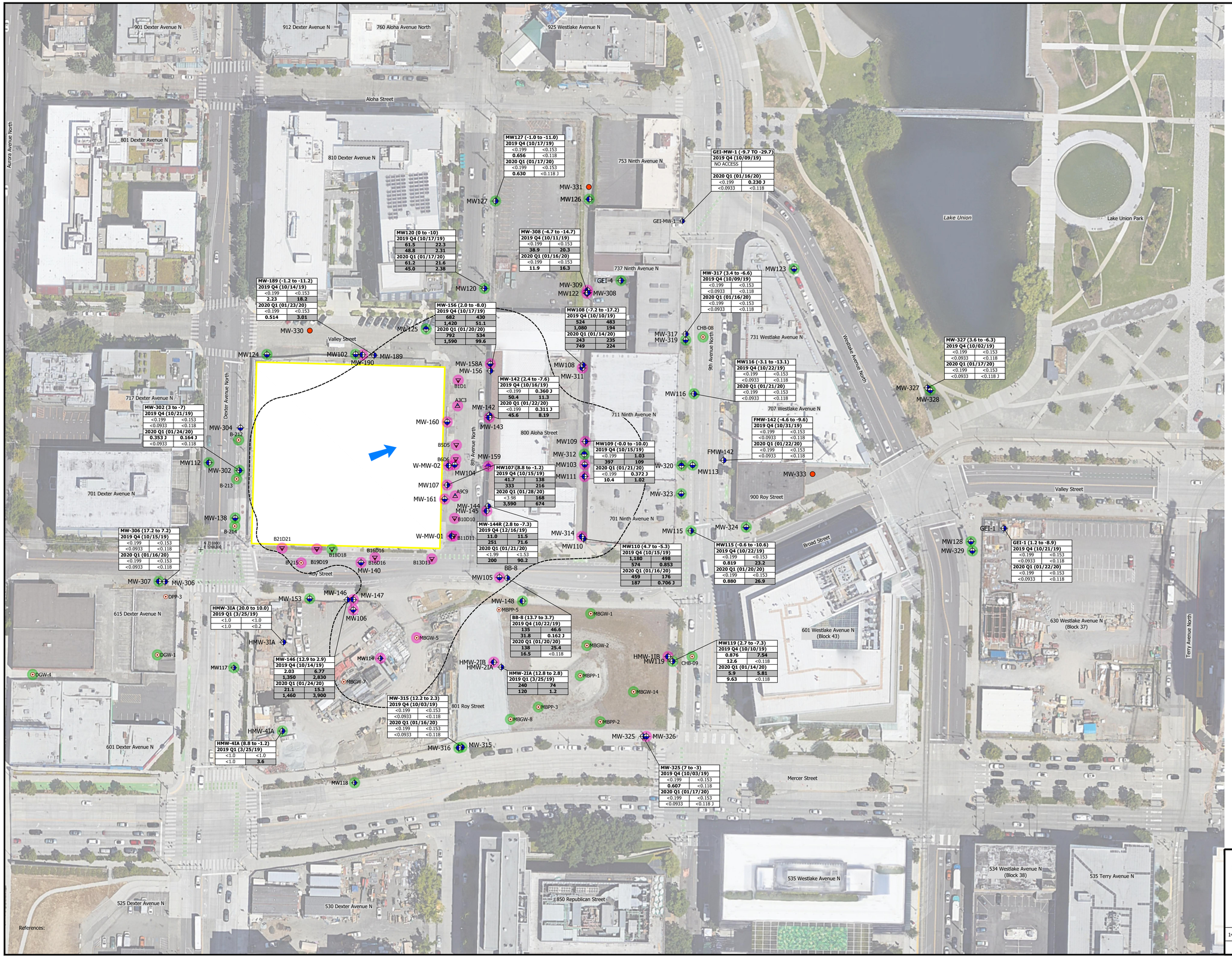
SCALE IN FEET

PES Environmental, Inc.
Engineering & Environmental Services

Groundwater Sampling Results Oct 2019-Jan 2020
Shallow Zone
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE 5

1413.001.02.501H	141300102003_RIWA20May_5-8	WRH	6/20
DWG NUMBER	DRAWING NUMBER	REVIEWED BY	DATE


Explanation
GEI-1 Intermediate A Zone Monitoring Well
R-MW1 Decommissioned Monitoring Well
HMW-2IA HartCrowser Monitoring Well
Type 1 Perimeter Injection Well
Type 2 Perimeter Injection Well
B-205 Soil Boring
MW-331 Proposed Well Location
Generalized Groundwater Flow Direction with No Groundwater Extraction
At least one soil sample exceeding a PCE, TCE, cDCE, or VC Screening Level
No soil sample exceeding a PCE, TCE, cDCE, or VC Screening Level
Pre-RI model extent of soil exceeding screening levels
Notes:
Concentrations reported in micrograms per liter (µg/L).
< = not detected at or above the method detection limit (MDL)
J = the identification of the analyte is acceptable; the reported value is an estimate
+ = the reported value may be biased high
Concentrations detected above the MDL are shown in bold
Concentrations above the screening level are highlighted and shown in bold
PCE = tetrachloroethene
TCE = trichloroethene
cDCE = cis-1,2-dichloroethene
VC = vinyl chloride
Well screen elevations shown in parentheses.
The PES 2019 Q4 GW sampling event occurred from October to December, 2019.
The PES 2020 Q1 GW sampling event occurred in January 2020.
Well (screen elevation)
2019 Q4 PCE TCE cDCE VC
2020 Q1 PCE TCE cDCE VC
Screening Levels
2019 Q4 2.4 1 16 0.2
2020 Q1 2.4 1 16 0.2
901 Dexter Avenue N
912 Dexter Avenue N
760 Aloha Avenue North
925 Westlake Avenue N
Aloha Street
Aurora Avenue North
801 Dexter Avenue N
810 Dexter Avenue N
753 Ninth Avenue N
737 Ninth Avenue N
Lake Union
Lake Union Park
731 Westlake Avenue N
707 Westlake Avenue N
711 Ninth Avenue N
800 Aloha Street
717 Dexter Avenue N
701 Dexter Avenue N
Valley Street
900 Roy Street
701 Ninth Avenue N
Broad Street
Roy Street
615 Dexter Avenue N
601 Dexter Avenue N
801 Roy Street
601 Westlake Avenue N (Block 43)
630 Westlake Avenue N (Block 37)
Mercer Street
525 Dexter Avenue N
530 Dexter Avenue N
850 Republican Street
535 Westlake Avenue N
534 Westlake Avenue N (Block 38)
535 Terry Avenue N
Dexter Avenue North
9th Avenue North
8th Avenue North
Westlake Avenue North
Terry Avenue North
MW-127 (-1.0 to -11.0) 2019 Q4 (10/17/19) <0.199 <0.153 0.656 <0.118 2020 Q1 (01/17/20) <0.199 <0.153 0.630 <0.118 J
GEI-MW-1 (-9.7 TO -29.7) 2019 Q4 (10/09/19) NO ACCESS 2020 Q1 (01/16/20) <0.199 0.230 J <0.0933 <0.118
MW120 (0 to -10) 2019 Q4 (10/17/19) 61.5 22.3 48.8 2.31 2020 Q1 (01/17/20) 61.2 21.6 45.0 2.38
MW-308 (-4.7 to -14.7) 2019 Q4 (10/11/19) <0.199 <0.153 38.9 20.3 2020 Q1 (01/16/20) <0.199 <0.153 11.9 16.3
MW-189 (-1.2 to -11.2) 2019 Q4 (10/14/19) <0.199 <0.153 2.23 18.2 2020 Q1 (01/23/20) <0.199 <0.153 0.514 3.01
MW-156 (2.0 to -8.0) 2019 Q4 (10/17/19) 682 430 1,420 51.1 2020 Q1 (01/20/20) 792 534 1,590 99.6
MW108 (-7.2 to -17.2) 2019 Q4 (10/10/19) 524 483 1,080 194 2020 Q1 (01/14/20) 343 235 749 224
MW-317 (3.4 to -6.6) 2019 Q4 (10/09/19) <0.199 <0.153 <0.0933 <0.118 2020 Q1 (01/16/20) <0.199 <0.153 <0.0933 <0.118
MW-327 (3.6 to -6.3) 2019 Q4 (10/02/19) <0.199 <0.153 <0.0933 <0.118 2020 Q1 (01/17/20) <0.199 <0.153 <0.0933 <0.118 J
MW116 (-3.1 to -13.1) 2019 Q4 (10/22/19) <0.199 <0.153 <0.0933 <0.118 2020 Q1 (01/21/20) <0.199 <0.153 <0.0933 <0.118
MW-142 (2.4 to -7.6) 2019 Q4 (10/16/19) <0.199 0.360 J 50.4 11.3 2020 Q1 (01/22/20) <0.199 0.311 J 45.6 8.19
MW-302 (3 to -7) 2019 Q4 (10/21/19) <0.199 <0.153 <0.0933 <0.118 2020 Q1 (01/24/20) 0.353 J 0.164 J <0.0933 <0.118
MW109 (-0.0 to -10.0) 2019 Q4 (10/15/19) <0.199 1.03 397 109 2020 Q1 (01/21/20) <0.199 0.372 J 10.4 1.02
FMW-142 (-4.6 to -9.6) 2019 Q4 (10/31/19) <0.199 <0.153 <0.0933 <0.118 2020 Q1 (01/22/20) <0.199 <0.153 <0.0933 <0.118
MW107 (8.8 to -1.2) 2019 Q4 (10/15/19) 41.7 138 333 216 2020 Q1 (01/28/20) <3.98 168 3,590 674
MW-144R (2.8 to -7.3) 2019 Q4 (12/16/19) 11.0 11.5 251 71.6 2020 Q1 (01/21/20) <1.99 <1.53 200 90.2
MW110 (4.7 to -5.3) 2019 Q4 (10/15/19) 1,180 498 574 0.853 2020 Q1 (01/16/20) 459 176 187 0.706 J
MW115 (-0.6 to -10.6) 2019 Q4 (10/22/19) <0.199 <0.153 0.819 23.2 2020 Q1 (01/20/20) <0.199 <0.153 0.880 26.9
MW-306 (17.2 to 7.2) 2019 Q4 (10/15/19) <0.199 <0.153 <0.0933 <0.118 2020 Q1 (01/16/20) <0.199 <0.153 <0.0933 <0.118
HMW-3IA (20.0 to 10.0) 2019 Q1 (3/25/19) <1.0 <1.0 <1.0 <0.2
MW-146 (12.9 to 2.9) 2019 Q4 (10/14/19) 2.03 6.77 1,350 2,830 2020 Q1 (01/24/20) 21.1 15.3 1,460 3,900
MW-315 (12.2 to 2.3) 2019 Q4 (10/03/19) <0.199 <0.153 <0.0933 <0.118 2020 Q1 (01/16/20) <0.199 <0.153 <0.0933 <0.118
BB-8 (13.7 to 3.7) 2019 Q4 (10/22/19) 135 46.6 31.8 0.162 J 2020 Q1 (01/20/20) 138 25.4 16.5 <0.118
HMW-2IA (12.8 to 2.8) 2019 Q1 (3/25/19) 240 74 120 1.2
MW119 (2.7 to -7.3) 2019 Q4 (10/10/19) 0.876 7.54 12.6 <0.118 2020 Q1 (01/14/20) 5.9 5.81 9.63 <0.118
GEI-1 (1.2 to -8.9) 2019 Q4 (10/21/19) <0.199 <0.153 <0.0933 <0.118 2020 Q1 (01/22/20) <0.199 <0.153 <0.0933 <0.118
HMW-4IA (8.8 to -1.2) 2019 Q1 (3/25/19) <1.0 <1.0 <1.0 3.6
MW-325 (7 to -3) 2019 Q4 (10/03/19) <0.199 <0.153 0.607 <0.118 2020 Q1 (01/17/20) <0.199 <0.153 <0.0933 <0.118 J
MW-331 MW126 MW127 GEI-MW-1 MW120 MW-330 MW125 MW124 MW102 MW-190 MW-189 MW-158A MW-156 B1D1 A3C3 MW-142 MW-143 MW-160 B5D5 B6D6 W-MW-02 MW-159 MW104 MW107 A9C9 MW-161 MW-144 MW-145 B10D10 W-MW-01 B11D11 MW-309 MW122 MW-308 GEI-4 MW108 MW-311 MW-317 MW-319 CHB-08 MW123 MW-327 MW-328 MW116 MW-304 B-212 MW112 MW-302 B-213 MW109 MW-312 MW103 MW111 MW-320 MW113 FMW142 MW-333 MW-323 MW-314 MW110 MW-324 MW115 MW128 MW-329 GEI-1 MW-307 MW-306 DPP-3 B-214 B21D21 B18D18 B-215 B19D19 B16D16 MW-140 B16D16 B13D13 MW-153 MW-146 MW-147 MW106 BB-8 MW105 MW-148 MBPP-5 MBGW-1 MBGW-5 MBGW-2 MBGW-7 MBGW-14 MBPP-1 MBPP-3 MBPP-2 MBGW-8 DGW-1 DGW-4 MW117 MW114 HMW-3IA HMW-2IB HMW-2IA HMW-1IB MW119 CHB-09 HMW-4IA MW-316 MW-315 MW-325 MW-326 MW118
References:
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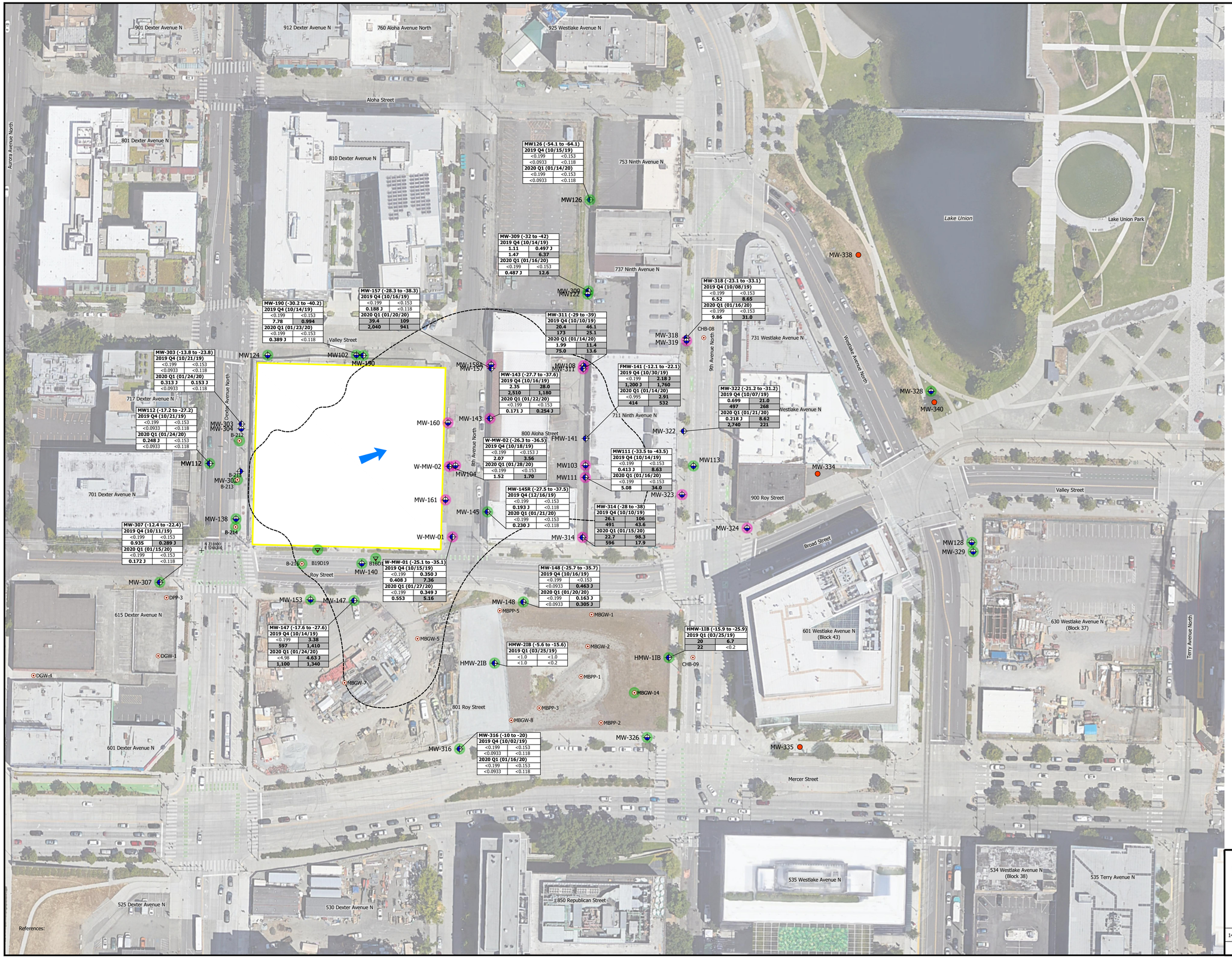
SCALE IN FEET
PES Environmental, Inc.
Engineering & Environmental Services
Groundwater Sampling Results Oct 2019-Jan 2020
Intermediate A Zone
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington
FIGURE 6
1413.001.02.501H 141300102003_RIWA20May_5-8 WRH 6/20
DWG NUMBER DRAWING NUMBER REVIEWED BY DATE



MW126 (-54.1 to -64.1)

2019 Q4 (10/15/19)	
<0.199	<0.153
<0.0933	<0.118
2020 Q1 (01/14/20)	
<0.199	<0.153
<0.0933	<0.118

MW-309 (-32 to -42)

2019 Q4 (10/14/19)	
1.11	0.497 J
1.47	6.37
2020 Q1 (01/16/20)	
<0.199	<0.153
0.487 J	12.6

MW-157 (-28.3 to -38.3)

2019 Q4 (10/16/19)	
<0.199	<0.153
0.188 J	<0.118
2020 Q1 (01/20/20)	
39.4	109
2,040	941

MW-190 (-30.2 to -40.2)

2019 Q4 (10/14/19)	
<0.199	<0.153
7.78	0.994
2020 Q1 (01/23/20)	
<0.199	<0.153
0.389 J	<0.118

MW-311 (-29 to -39)

2019 Q4 (10/10/19)	
20.4	46.1
173	25.1
2020 Q1 (01/14/20)	
1.99	11.4
75.0	13.6

MW-318 (-23.1 to -33.1)

2019 Q4 (10/08/19)	
<0.199	<0.153
6.52	8.65
2020 Q1 (01/16/20)	
<0.199	<0.153
9.86	31.0

MW-303 (-13.8 to -23.8)

2019 Q4 (10/21/19)	
<0.199	<0.153
<0.0933	<0.118
2020 Q1 (01/24/20)	
0.313 J	0.153 J
<0.0933	<0.118

MW-143 (-27.7 to -37.6)

2019 Q4 (10/16/19)	
2.35	28.0
2,510	1,180
2020 Q1 (01/22/20)	
<0.199	<0.153
0.171 J	0.254 J

FMW-141 (-12.1 to -22.1)

2019 Q4 (10/30/19)	
<0.199	2.18 J
1,200 J	1,760
2020 Q1 (01/14/20)	
<0.995	2.91
414	532

MW-322 (-21.2 to -31.2)

2019 Q4 (10/07/19)	
0.699	21.0
497	268
2020 Q1 (01/21/20)	
0.218 J	8.62
2,740	221

MW112 (-17.2 to -27.2)

2019 Q4 (10/21/19)	
<0.199	<0.153
<0.0933	<0.118
2020 Q1 (01/24/20)	
0.248 J	<0.153
<0.0933	<0.118

W-MW-02 (-26.3 to -36.5)

2019 Q4 (10/18/19)	
<0.199	<0.153 J
2.07	3.56
2020 Q1 (01/28/20)	
<0.199	<0.153
1.52	1.70

MW111 (-33.5 to -43.5)

2019 Q4 (10/14/19)	
<0.199	<0.153
0.413 J	8.63
2020 Q1 (01/16/20)	
<0.199	<0.153
5.08	34.0

MW-145R (-27.5 to -37.5)

2019 Q4 (12/16/19)	
<0.199	<0.153
0.193 J	<0.118
2020 Q1 (01/21/20)	
<0.199	<0.153
0.230 J	<0.118

MW-314 (-28 to -38)

2019 Q4 (10/10/19)	
26.1	106
491	43.6
2020 Q1 (01/15/20)	
22.7	98.3
596	17.9

MW-307 (-12.4 to -22.4)

2019 Q4 (10/11/19)	
<0.199	<0.153
0.935	0.289 J
2020 Q1 (01/15/20)	
<0.199	<0.153
0.172 J	<0.118

W-MW-01 (-25.1 to -35.1)

2019 Q4 (10/15/19)	
<0.199	0.350 J
0.408 J	7.36
2020 Q1 (01/27/20)	
<0.199	0.349 J
0.553	5.16

MW-148 (-25.7 to -35.7)

2019 Q4 (10/16/19)	
<0.199	<0.153
<0.0933	0.463 J
2020 Q1 (01/20/20)	
<0.199	0.163 J
<0.0933	0.305 J

MW-147 (-17.6 to -27.6)

2019 Q4 (10/14/19)	
<0.199	3.38
597	1,410
2020 Q1 (01/24/20)	
<4.98	4.63 J
1,100	1,340

HMW-2IB (-5.6 to -15.6)

2019 Q1 (03/25/19)	
<1.0	<1.0
<1.0	<0.2

HMW-1IB (-15.9 to -25.9)

2019 Q1 (03/25/19)	
20	6.7
22	<0.2

MW-316 (-10 to -20)

2019 Q4 (10/02/19)	
<0.199	<0.153
<0.0933	<0.118
2020 Q1 (01/16/20)	
<0.199	<0.153
<0.0933	<0.118

Explanation

- W-MW-02 — Intermediate B Zone Monitoring Well
- R-MW1 — Decommissioned Monitoring Well
- HMW-1IB — HartCrowser Monitoring Well
- Type 1 Perimeter Injection Well
- Type 2 Perimeter Injection Well
- B-205 — Soil Boring
- MW-338 — Proposed Well Location
- Generalized Groundwater Flow Direction with No Groundwater Extraction
- At least one soil sample exceeding a PCE, TCE, cDCE, or VC Screening Level
- No soil sample exceeding a PCE, TCE, cDCE, or VC Screening Level
- Pre-RI model extent of soil exceeding screening levels

Notes:
Concentrations reported in micrograms per liter (µg/L).
< = not detected at or above the method detection limit (MDL)
J = the identification of the analyte is acceptable; the reported value is an estimate
+ = the reported value may be biased high
Concentrations detected above the MDL are shown in **bold**
Concentrations above the screening level are highlighted and shown in **bold**
PCE = tetrachloroethene
TCE = trichloroethene
cDCE = cis-1,2-dichloroethene
VC = vinyl chloride
Well screen elevations shown in parentheses.
The PES 2019 Q4 GW sampling event occurred from October to December, 2019.
The PES 2020 Q1 GW sampling event occurred in January 2020.

Well (screen elevation)	
2019 Q4	
PCE	TCE
cDCE	VC
2020 Q1	
PCE	TCE
cDCE	VC

Screening Levels	
2019 Q4	
2.4	**1**
16	**0.2**
2020 Q1	
2.4	**1**
16	**0.2**

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SCALE IN FEET

References:

PES Environmental, Inc.
Engineering & Environmental Services

Groundwater Sampling Results Oct 2019-Jan 2020
Intermediate B Zone
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE 7

1413.001.02.501H	141300102003_RIWA20May_5-8	WRH	6/20
DWG NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

Explanation

- MW105 — Deep Zone Monitoring Well
- R-MW1 — Decommissioned Monitoring Well
- HMW-1D — HartCrowser Monitoring Well
- Type 1 Perimeter Injection Well
- Type 2 Perimeter Injection Well
- B-205 — Soil Boring
- MW-341 — Proposed Well Location
- Generalized Groundwater Flow Direction with No Groundwater Extraction
- At least one soil sample exceeding a PCE, TCE, cDCE, or VC Screening Level
- No soil sample exceeding a PCE, TCE, cDCE, or VC Screening Level
- Pre-RI model extent of soil exceeding screening levels

Explanation Notes:
Concentrations reported in micrograms per liter (µg/L).
< = not detected at or above the method detection limit (MDL)
J = the identification of the analyte is acceptable; the reported value is an estimate
+ = the reported value may be biased high
Concentrations detected above the MDL are shown in **bold**
Concentrations above the screening level are highlighted and shown in **bold**
PCE = tetrachloroethene
TCE = trichloroethene
cDCE = cis-1,2-dichloroethene
VC = vinyl chloride
Well screen elevations shown in parentheses.
The PES 2019 Q4 GW sampling event occurred from October to December, 2019.
The PES 2020 Q1 GW sampling event occurred in January 2020.

Well (screen elevation)	
2019 Q4	
PCE	TCE
cDCE	VC
2020 Q1	
PCE	TCE
cDCE	VC

Screening Levels	
2019 Q4	
2.4	1
16	0.2
2020 Q1	
2.4	1
16	0.2

N

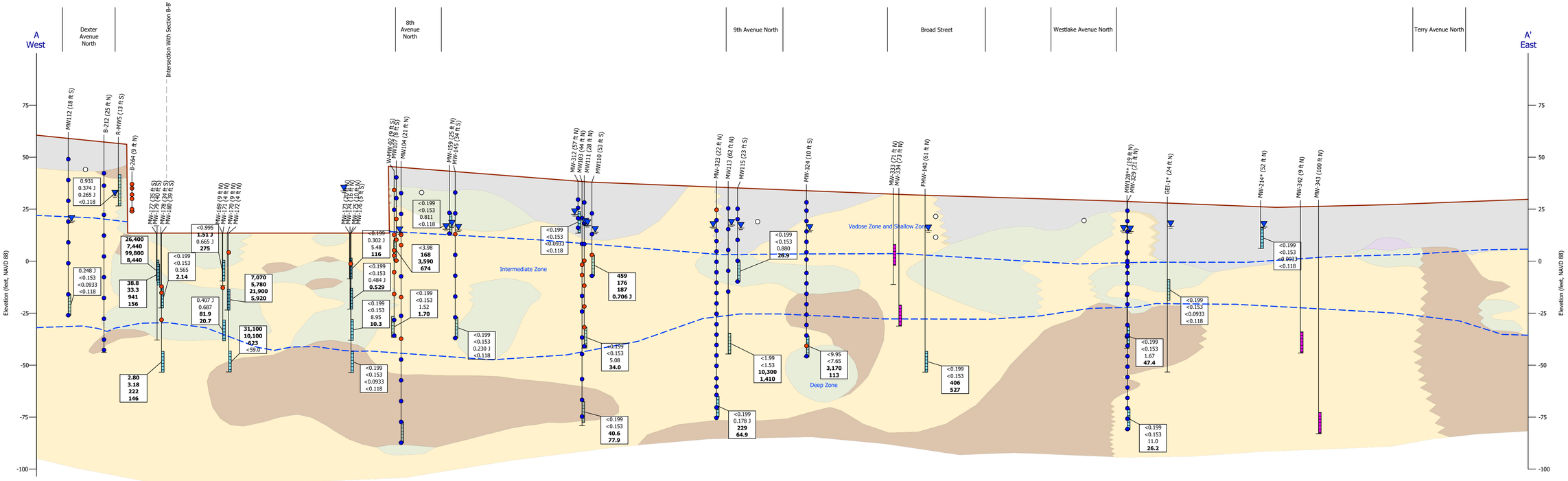
0 60
SCALE IN FEET

PES Environmental, Inc.
Engineering & Environmental Services

Groundwater Sampling Results Oct 2019-Jan 2020
Deep Zone
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE
8

1413.001.02.501H	141300102003_RIWA20May_5-8	WRH	6/20
DWG NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



Explanation

- Approximate Ground Surface Elevation
- ?— — — —? Geologic Contact, queried where uncertain
- MW-135 Lithologic Boring Location with Monitoring Well Screen
- MW-135 Proposed Monitoring Well
- [decom] Decommissioned Well
- (65 ft S) Approximate distance and direction to feature from line of cross section
- Groundwater Elevation 1/14/2020
- Approximate Sewer Pipe Location

Wells sampled in January 2020
Groundwater concentrations reported in micrograms per liter (µg/L)
< = not detected at or above the method detection limit (MDL)
J = the identification of the analyte is acceptable; the reported value is an estimate
Detected concentrations above the screening levels are shown in **bold**
Constituents and groundwater screening levels:
PCE = tetrachloroethene (2.4 µg/L)
TCE = trichloroethene (1 µg/L)
cDCE = cis-1,2-dichloroethene (16 µg/L)
VC = vinyl chloride (0.2 µg/L)

Groundwater Data Shown
PCE
TCE
cDCE
VC

- PCE in soil concentration less than or equal to 0.025 mg/Kg
- PCE in soil concentration greater than 0.025 mg/Kg

	Soil Description based on Unified Soil Classification System
	Fill
Predominantly coarse-grained deposits	(GP) Poorly Graded Gravel (GW) Well-Graded Gravel (SP) Poorly Graded Sand (SW) Well-Graded Sand
	(GM) Silty Gravel (GC) Clayey Gravel (SM) Silty Sand (SC) Clayey Sand
Predominantly fine-grained deposits	(ML) Silt with or without sand and gravel (CL) Clay with or without sand and gravel
	(PT) Peat

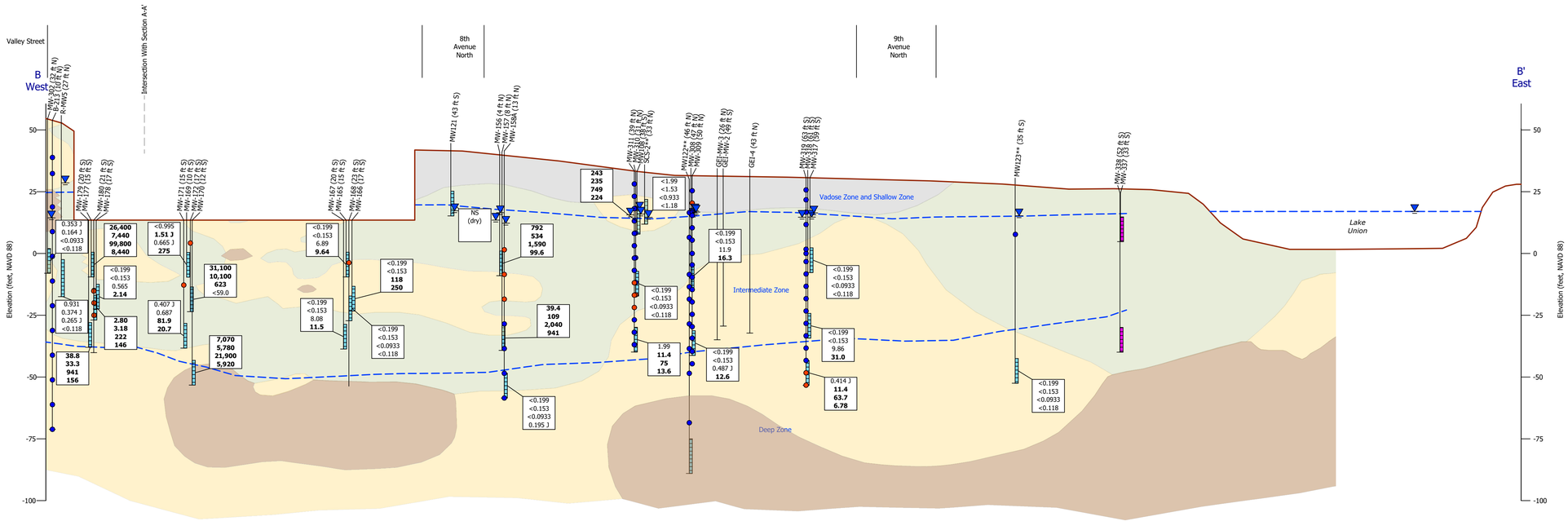
25 — 0
Vertical Scale in Feet
0 — 50
Horizontal Scale in Feet
Vertical Exaggeration 2:1

PES Environmental, Inc.
Engineering & Environmental Services

Geologic Cross Section A-A'
Former American Linen Supply
700 Dexter Avenue North
Seattle, Washington

FIGURE
9

1413.001.02.003	4130010	2003_RIWA20May_9	WRH	6/20
JOB NUMBER		DRAWING NUMBER	REVIEWED BY	DATE



Explanation

- Approximate Ground Surface Elevation
- Geologic Contact, queried where uncertain
- MW-135 — Lithologic Boring Location with Monitoring Well Screen
- MW-135 — Proposed Monitoring Well
- [decom] Decommissioned Well
- (65 ft S) Approximate distance and direction to feature from line of cross section
- Groundwater Elevation 1/14/2020
- Approximate Sewer Pipe Location

Wells sampled in January 2020
Groundwater concentrations reported in micrograms per liter (µg/L)
< = not detected at or above the method detection limit (MDL)
J = the identification of the analyte is acceptable; the reported value is an estimate
Detected concentrations above the screening levels are shown in **bold**
Constituents and groundwater screening levels:
PCE = tetrachloroethene (2.4 µg/L)
TCE = trichloroethene (1 µg/L)
cDCE = cis-1,2-dichloroethene (16 µg/L)
VC = vinyl chloride (0.2 µg/L)

Groundwater Data Shown
PCE
TCE
cDCE
VC

- PCE in soil concentration less than or equal to 0.025 mg/Kg
- PCE in soil concentration greater than 0.025 mg/Kg

	Soil Description based on Unified Soil Classification System
	Fill
Predominantly coarse-grained deposits	(GP) Poorly Graded Gravel (GW) Well-Graded Gravel (SP) Poorly Graded Sand (SW) Well-Graded Sand
Predominantly coarse-grained deposits	(GM) Silty Gravel (GC) Clayey Gravel (SM) Silty Sand (SC) Clayey Sand
Predominantly fine-grained deposits	(ML) Silt with or without sand and gravel (CL) Clay with or without sand and gravel
Predominantly fine-grained deposits	(PT) Peat

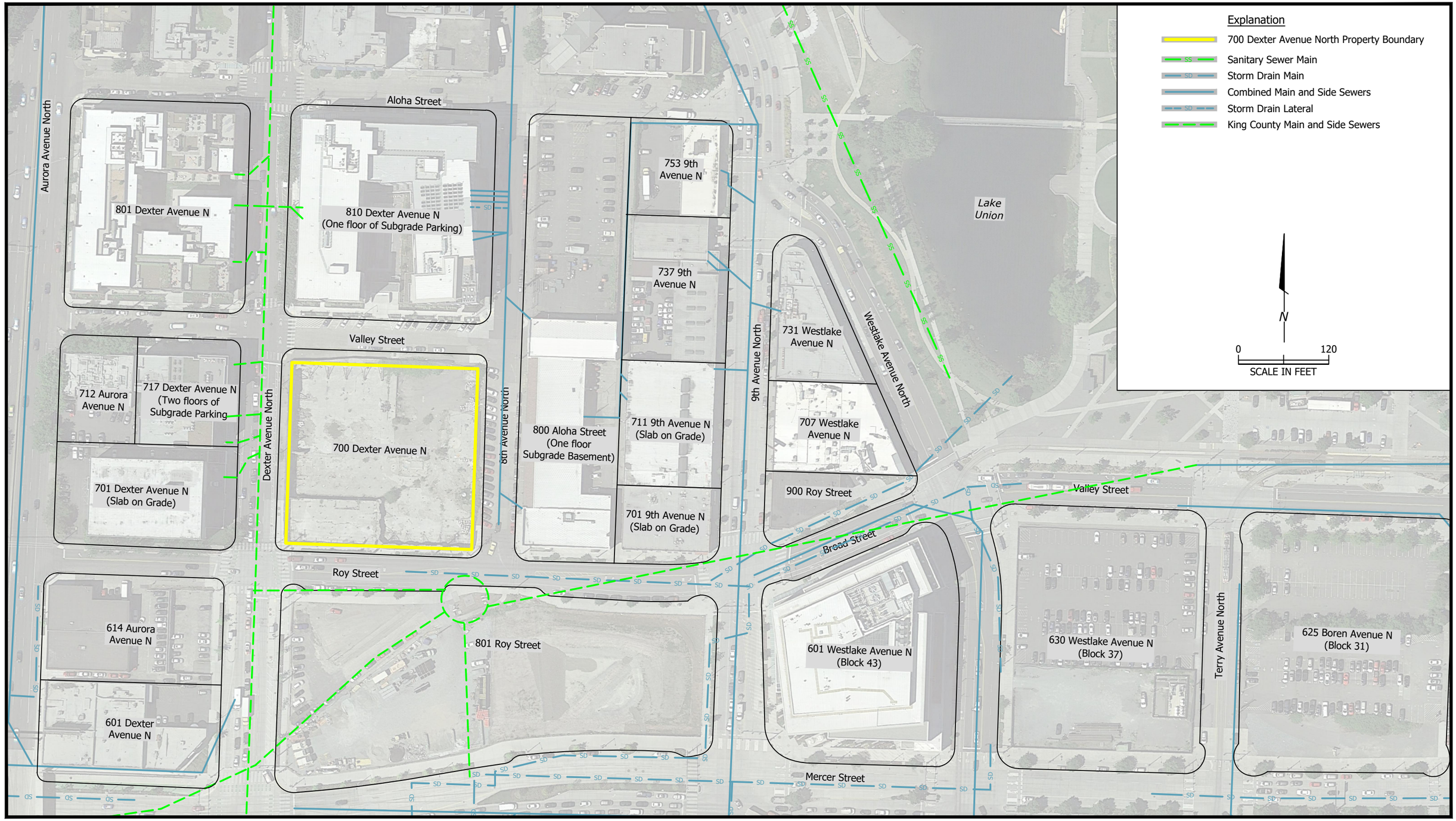
25 — Vertical Scale in Feet
0 — 50 — Horizontal Scale in Feet
Vertical Exaggeration 2:1

PES Environmental, Inc.
Engineering & Environmental Services

Geologic Cross Section B-B'
Former American Linen Supply
700 Dexter Avenue North
Seattle, Washington

FIGURE 10

1413.001.02.003	413001020003_RIWA20May_10	WRH	6/20
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

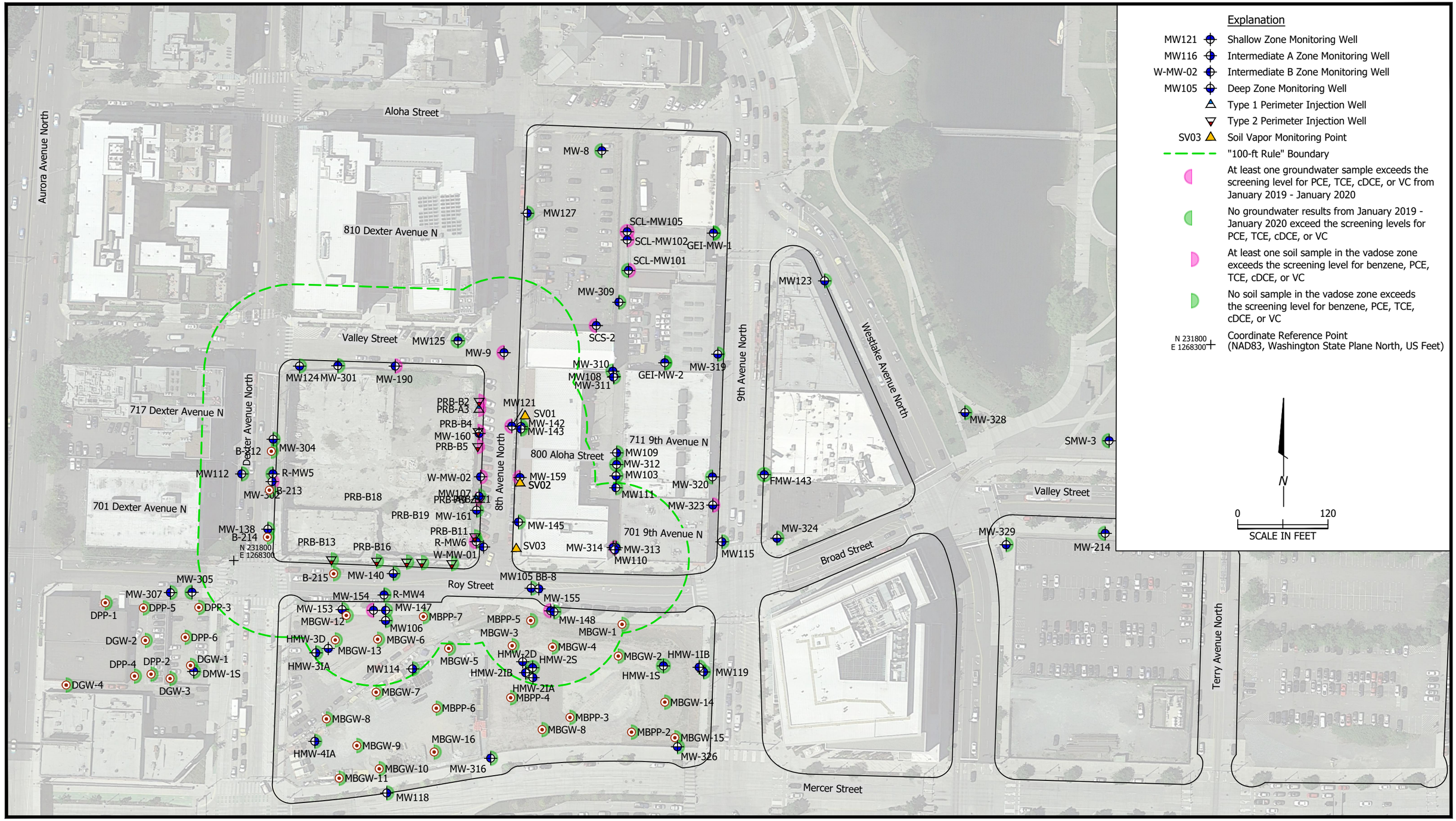


PES Environmental, Inc.
Engineering & Environmental Services

Surrounding Properties
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE
11

1413.001.02.501H	141300102003_RIWA20May_11	*WRH*	6/20
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

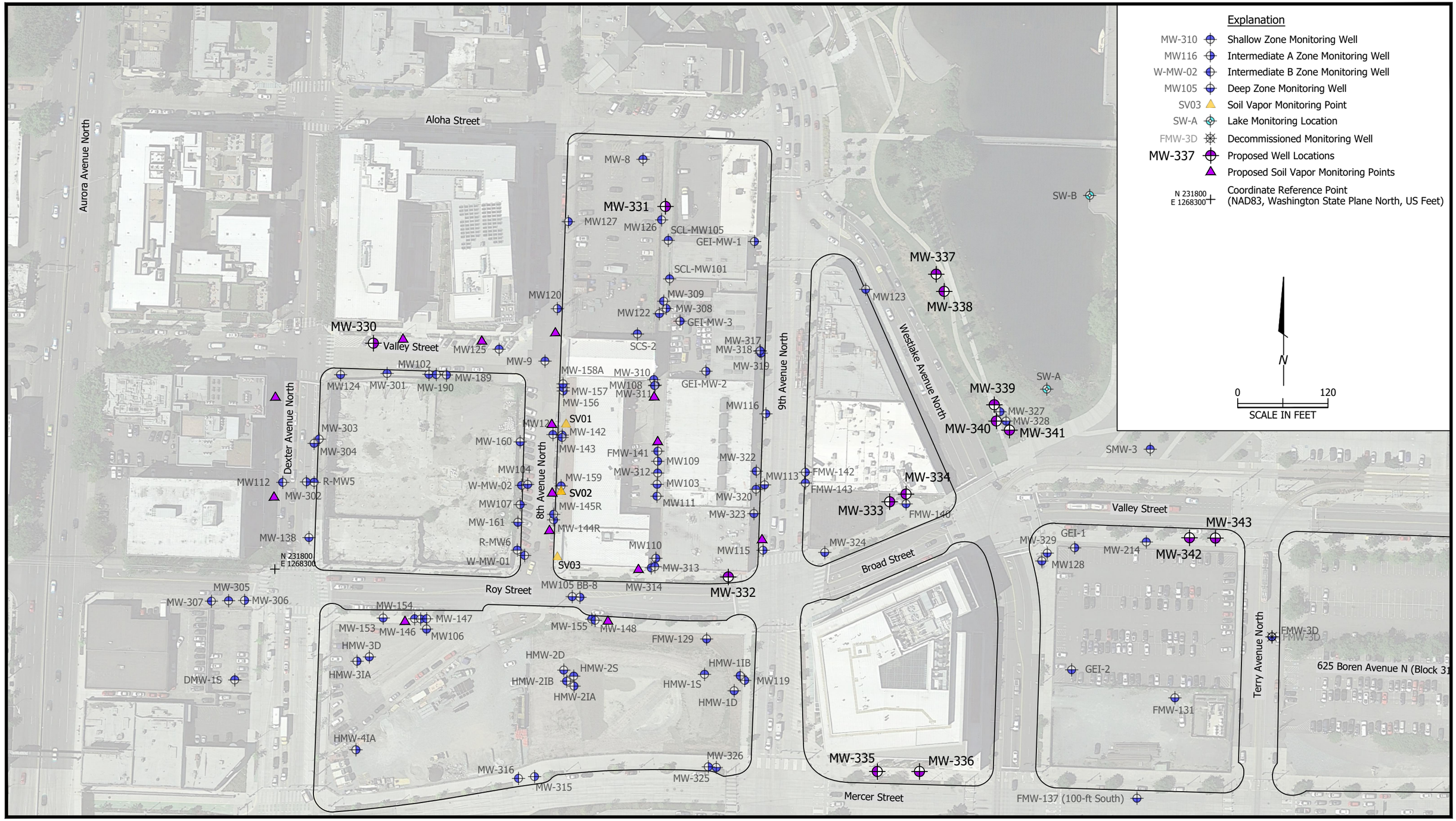


PES Environmental, Inc.
Engineering & Environmental Services

Vapor Intrusion Tier I Evaluation
American Linen Supply Co. - Dexter Ave Site
700 Dexter Avenue North
Seattle, Washington

FIGURE
12

1413.001.02.501H	141300102003_RIWA20May_12	WRH	6/20
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Additional RI Monitoring Well and Soil Vapor Probe Locations
Former American Linen Supply
700 Dexter Avenue North
Seattle, Washington

FIGURE
13

1413.001.02.003	141300102003_RIWA20May_13	WRH	6/20
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE