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TECHNICAL MEMORANDUM

Date: July 25, 2023

To: River and Floodplain Management Section
King County Water and Land Resources Division

From: Shannon McKernan, Herrera Environmental Consultants, Inc.

Subject: Vapor Intrusion and Groundwater Exploration, Pacific Park, Pacific, Washington: May 2023 Sampling Results and Conclusions/Sampling and Analysis Plan Addendum

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Introduction

This memorandum briefly summarizes the results of soil, soil vapor, and groundwater sampling as described in the Sampling Analysis Plan for Vapor Intrusion and Groundwater Exploration (April 2023) in the vicinity of the Pacific Park/Dumpsite (Park) located at 600 Third Avenue Southeast in Pacific, Washington (Figure 1). For purposes of this memorandum, the "Site" includes the former dumpsite on County property and any related GW plume going off-property. The Site does not include soil or vapor contamination off-property west of the ditch. Field activities, performed from May 4 through May 12, 2023, which included sampling and the installation of two new groundwater monitoring wells, were performed to assess the nature and extent of vinyl chloride contamination and related contaminants of potential concern and to confirm the direction of groundwater flow in the area west of the Site. During the May 2023 sampling event, six volatile organic compounds (VOCs) including 1,3-butadiene, benzene, chloroform, dichlorobromomethane, ethylene dibromide, and naphthalene were detected above screening levels (SLs) in soil vapor samples collected from temporary soil vapor probes adjacent to the Park on its western boundary.

May 2023 Investigation—Soil, Groundwater, and Soil Vapor

Herrera directed the advancement of eight soil borings (PP-38 through PP-45), two new monitoring wells (MW-13 and MW-14), and seven temporary soil vapor probes (SV-1 through SV-7) in the western portion the site from May 4 through May 8, 2023 (Figure 2). Herrera collected twenty soil samples and six soil vapor samples on May 4 and May 8, 2023, and thirteen groundwater samples from May 11 through May 12, 2023.

Sampling Results

During the May 2023 investigation, four VOCs (acetone, 2-butanone, carbon disulfide, and chlorobenzene) were detected at low levels and below their site screening levels (SSLs) in soil samples ranging from 1 to 9 feet below ground surface (bgs) from soil borings PP-38 through PP-45 and in monitoring well borings MW-13 and MW-14 (Table 1).

In groundwater, vinyl chloride was detected above the SSL of 0.02 µg/L in MW-4, MW-8, MW-9, MW-10, and MW-11 (Table 2). Detections of vinyl chloride in groundwater ranged from 0.036 to 0.19 µg/L (in MW-9 and MW-4, respectively). Consistent with previous results, vinyl chloride was not detected in MW-1, MW-2, MW-5 through MW-7, and MW-12. Vinyl chloride was also not detected in groundwater in new monitoring wells MW-13 and MW-14. Chlorobenzene was detected in groundwater below the SSL (100 µg/L) in MW-4, MW-9, and MW-10 at concentrations of 0.22 to 0.27 µg/L. MW-3 was not sampled due to standing water covering the monitoring well and surrounding area. Arsenic (total and dissolved) was detected in groundwater above the SSL of 3.3 µg/L in MW-8 (dissolved only), MW-11, MW-12, MW-13, and MW-14. Concentrations of total and dissolved arsenic ranged from 3.3 to 22 µg/L. No other MTCA metals (cadmium, chromium, lead, or mercury) or cPAHs were detected in groundwater samples.

Seven temporary soil vapor probes (SV-1 through SV-7) were installed in the soil vadose zone to the west of the Park (Figure 2). Probes were installed from depths approximately 10 inches below ground surface (bgs) (SV-3) to 4 feet bgs (SV-4), depending on the observed depth to water in the probe boring during installation. To evaluate soil vapor, soil vapor screening levels (SLs) were selected from the Washington State Department of Ecology (Ecology) Cleanup Levels and Risk Calculations (CLARC) spreadsheet (January 2023) Model Toxics Control Act (MTCA) Method B vapor intrusion sub-slab soil gas screening levels for cancer or non-cancer (whichever is lower). Six VOCs were detected at or above their applicable screening levels in temporary soil vapor probes SV-1 though SV-3, SV-5, and SV-7 (Table 3). These included:

- 1,3-Butadiene was detected above the SL (2.8 µg/m^3) in SV-1, SV-2, SV-3, SV-5, and SV-7 (10 inches bgs to 2.5 feet bgs). Detections of 1,3-butadiene ranged from 1.03 to 114 µg/m^3 (in SV-4 and SV-1, respectively).
- Benzene was detected above the SL (11 µg/m^3) in SV-1 through SV-3, SV-5, and SV-7 (10 inches bgs to 2.5 feet bgs). Benzene was detected at concentrations of 3.59 µg/m^3 in SV-4 to 77.4 µg/m^3 in SV-7.
- In SV-3 (10 inches bgs) and SV-7 (2 feet bgs), chloroform and dichlorobromomethane were each detected above their SLs (3.6 and 2.3 µg/m^3, respectively) at respective concentrations of 9.64 and 15.1 µg/m^3 and 6.42 and 5.08 µg/m^3.
- The maximum detection of ethylene dibromide in soil vapor was 0.140 µg/m^3 in SV-3 (10 inches bgs), which matches the SL.
- Naphthalene was detected above the SL (2.5 µg/m^3) in one soil vapor sample collected from SV-1 (2 feet bgs) at a concentration of 3.32 µg/m^3.

No VOCs were detected above their respective MTCA Method B vapor intrusion sub-slab soil gas screening levels in the deepest soil vapor probe, SV-4 (4 feet bgs). The screened interval of SV-6 (2 feet bgs) was flooded with groundwater after installation and no soil vapor sample was collected from the probe.

Sampling Discussion and Conclusions

The soil, groundwater, and soil vapor sampling results from the May 2023 investigation indicate the extent of the vinyl chloride contamination and related contaminants of potential concern (COPCs) associated with the Pacific City Park dumpsite do not extend beyond previous investigations (Tables 1, 2, and 3). Vinyl chloride and other chlorinated VOCs were not detected in soil samples collected from soil borings PP-38 through PP-45 or monitoring well borings MW-13 and MW-14. The low-level detections of acetone, 2-butanone, carbon disulfide, and chlorobenzene below their respective SSLs in soil samples from soil borings PP-38 through PP-45 and monitoring well borings MW-13 and MW-14 are consistent with previous soil sample results for the site.

VOC results from groundwater samples collected on May 11 and May 12, 2023, are consistent with previous groundwater monitoring results (Table 2). During the May 2023 sampling event, vinyl chloride was detected in groundwater samples collected from MW-4, MW-8, MW-9, MW-10, and MW-11 and detections ranged from 0.036 in MW-9 and MW-11 to 0.19 µg/L in MW-4. Previous vinyl chloride sampling results from 2015 through 2019 in these five monitoring wells ranged from non-detect (<0.02 µg/L) to 0.26 µg/L. Vinyl chloride has never been detected in groundwater samples collected from monitoring wells MW-1, MW-2, MW-5 through MW-7, and MW-12 and remained non-detect during the May 2023 sampling event. Vinyl chloride was not detected in groundwater samples collected from new monitoring wells MW-13 and MW-14 which were installed to the west of the Fourth Avenue Southeast apartments to determine the western extent of the vinyl chloride plume in groundwater. All groundwater detections are below the most conservative Method B Groundwater SLs for Vapor Intrusion (CLARC 2023).

In soil vapor, vinyl chloride (VC), tetrachloroethene (PCE), and trichloroethene (TCE) were not detected above SLs in the six temporary soil vapor probes (SV-1 through SV-5 and SV-7) sampled east of the Parkview Apartment buildings (Table 3). The six VOCs listed above that were detected above SLs in SV-1 through SV-3, SV-5, and/or SV-7 were not detected in associated soil boring samples and previous soil samples for the site. Chloroform, dichlorobromomethane, ethylene dibromide, and naphthalene have been non-detect in all groundwater samples since 2015. Benzene was detected below the applicable groundwater screening level (0.44 µg/L) in groundwater along the west side of the Park in 2018 in monitoring well MW-4, at a concentration of 0.22 µg/L. There have been no other detections of benzene in groundwater at the site. 1,3-Butadiene, a highly volatile VOC, is not included in the analyte list for groundwater samples analyzed by EPA Method 8260D, and therefore results for 1,3-butadiene in groundwater are not available. No VOCs were detected above SLs in temporary soil vapor probe SV-4.

The available soil and groundwater results for 1,3-butadiene, benzene, chloroform, dichlorobromomethane, ethylene dibromide, and naphthalene indicate their presence in shallow soil vapor does not appear to be from a soil or groundwater source. Because groundwater depths in the area range between approximately 1.5 to 4.5 feet bgs, probes were set at shallow depths from 10 inches to 4 feet bgs. As described in the Washington State *Guidance for Evaluating Vapor Intrusion in Washington State* (Ecology 2022), ambient air is a known potential source of sample dilution for samples collected at

depths less than 5 feet bgs. Additionally, common sources of some of the compounds detected in soil vapor above their respective SLs include vehicle exhaust and fumigants. The source of their presence in shallow soil vapor is likely the result of ambient air infiltration.

Recommendations

The soil vapor results from the May 2023 sampling for vinyl chloride and related COPCs associated with the Pacific City Park dumpsite are non-detect or below SLs. Six VOCs including 1,3-butadiene, benzene, chloroform, dichlorobromomethane, ethylene dibromide, and naphthalene exceed their respective SLs in shallow soil vapor samples (10 inches bgs to 2.5 feet bgs) in SV-1 through SV-3, SV-5, and SV-7. These six VOCs, and all other VOCs, are either non-detect or detected below SLs in the deepest soil vapor probe SV-4 (4 feet bgs). The VOCs exceeding screening levels in shallower soil vapor are non-detect in soil samples, including samples from the 8 new soil borings and 2 new monitoring well borings analyzed during May 2023 field activities, and non-detect in groundwater samples at the site, with the exception of one low-level detection of benzene in groundwater in 2018. The detections of these six VOCs in soil vapor have no known soil or groundwater pathway and their exceedances of SLs in soil vapor are likely the result of ambient air infiltration, a known concern during soil vapor sampling in samples collected shallower than 5 feet bgs. The soil, groundwater, and soil vapor results do not indicate a pathway for vapor intrusion at residences to the west of the Park and additional soil vapor sampling and the contingency sub-slab soil vapor monitoring described in the April 2023 SAP are not warranted. As described in the SAP, three additional rounds of quarterly groundwater samples will be collected from the 14 monitoring wells located on and near the Park.

Table 1. Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Petroleum Hydrocarbons (mg/kg)				Volatile Organic Compounds by EPA 8260 (mg/kg)														
				Gasoline Range Organics	Diesel Range Organics	Lube Oil Range Organics	Diesel + Lube Oil Range	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Acetone	2-Butanone	Carbon Disulfide	cis-1,2-DCE	Chloro-benzene	Methylene Chloride	p-Isopropyl-toluene	Styrene	PCE	TCE	1,2,4-TMB	Vinyl Chloride
	Site Screening Level (mg/kg) [a]			*100*	*200*	*2,000*	*2,000*	*0.001*	*0.024*	*0.014*	*0.52*	*2.1*	*1.4*	*0.27*	*0.0050*	*0.051*	*0.0050*	*0.23*	*0.12*	*0.0013*	*0.0010*	*NA*	*NA*
Phase II Investigation (2015)																						
GP-1-15	9/17/2015	5.0	Native Soil	ND (2.96)	ND (23.0)	ND (57.4)	–	ND (0.012)	ND (0.012)	ND (0.018)	ND (0.012)	–	–	–	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.00118)
		13.5	Native Soil	ND (3.44)	ND (25.1)	ND (63)	–	ND (0.014)	ND (0.014)	ND (0.021)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.00138)
GP-2-15	9/17/2015	4.5	Native Soil	ND (3.19)	ND (19.8)	**74.8**	–	ND (0.013)	ND (0.013)	ND (0.019)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.00128)
		14.0	Native Soil	ND (3.13)	ND (21.2	ND (53)	–	ND (0.013)	ND (0.013)	ND (0.019)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.00125)
GP-3-15	9/17/2015	9.0	Fill/Refuse	ND (3.33)	ND (24.4)	ND (61)	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.00133)
		12.5	Native Soil	ND (7.99)	ND (38.9)	**275**	–	ND (0.030)	ND (0.030)	ND (0.048)	ND (0.030)	–	–	–	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.032)	ND (0.030)	ND (0.00320)
GP-4-15	9/17/2015	5.0	Fill/Refuse	ND (2.87)	ND (23.8)	**182**	–	ND (0.012)	ND (0.012)	ND (0.017)	ND (0.012)	–	–	–	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.00115)
		13.0	Native Soil	ND (3.41)	ND (25.0)	ND (63)	–	ND (0.014)	ND (0.014)	ND (0.020)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.00136)
GP-5-15	9/17/2015	5.0	Fill/Refuse	ND (4.31)	ND (23.7)	ND (59)	–	ND (0.017)	ND (0.017)	ND (0.026)	ND (0.017)	–	–	–	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.00173)
		13.0	Native Soil	ND (3.20)	ND (23.2)	ND (58)	–	ND (0.013)	ND (0.013)	ND (0.019)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.00128)
		13 dup	Native Soil	ND (3.60)	ND (21.9)	ND (55)	–	ND (0.014)	ND (0.014)	ND (0.022)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.00144)
GP-6-15	9/17/2015	7.5	Fill/Refuse	ND (5.40)	ND (33.7)	**217**	–	ND (0.022)	ND (0.022)	ND (0.032)	ND (0.022)	–	–	–	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.00216)
		14.0	Native Soil	ND (3.35)	ND (22.5)	ND (56)	–	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.00134)
GP-7-15	9/17/2015	5.0	Fill/Refuse	ND (3.79)	ND (19.1)	ND (48)	–	ND (0.015)	ND (0.015)	ND (0.023)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	**0.023**	ND (0.015)	ND (0.00151)
		14.0	Native Soil	ND (3.74)	ND (22.2)	ND (56)	–	ND (0.015)	ND (0.015)	ND (0.022)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.00150)
GP-8-15	9/17/2015	5.0	Fill/Refuse	ND (3.05)	ND (22.9)	**119**	–	ND (0.012)	ND (0.012)	ND (0.018)	ND (0.012)	–	–	–	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.00122)
		14.5	Native Soil	ND (3.65)	ND (24.9)	ND (62)	–	ND (0.015)	ND (0.015)	ND (0.022)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.00146)
		14.5 dup	Native Soil	ND (3.25)	ND (24.7)	ND (62)	–	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.00130)
GP-9-15	9/17/2015	5.0	Fill/Refuse	ND (2.98)	ND (25)	ND (62)	–	ND (0.012)	ND (0.012)	ND (0.018)	ND (0.012)	–	–	–	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.00119)
		12.5	Native Soil	ND (3.30)	ND (25)	ND (63)	–	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.00132)
GP-10-15	9/17/2015	4.5	Fill/Refuse	ND (4.64)	ND (27)	**3,840**	–	ND (0.019)	ND (0.019)	ND (0.028)	ND (0.019)	–	–	–	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.013)	ND (0.019)	**0.066**	ND (0.00186)
		13.0	Native Soil	ND (3.48)	ND (24)	ND (60)	–	ND (0.014)	ND (0.014)	ND (0.021)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.00139)
GP-11-15	9/17/2015	4.5	Fill/Refuse	ND (2.85)	ND (21)	**103**	–	ND (0.011)	ND (0.011)	ND (0.017)	ND (0.011)	–	–	–	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (0.00114)
		14.5	Native Soil	ND (6.73)	ND (36)	ND (91)	–	ND (0.027)	ND (0.027)	ND (0.040)	ND (0.027)	–	–	–	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.030)	ND (0.027)	ND (0.027)	ND (0.00269)
GP-12-15	9/18/2015	4.0	Fill/Refuse	ND (3.03)	ND (23)	ND (58)	–	ND (0.012)	ND (0.012)	ND (0.018)	ND (0.012)	–	–	–	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.00121)
		13.5	Native Soil	ND (3.34)	ND (25)	ND (63)	–	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.00134)
GP-13-15	9/21/2015	4.5	Fill/Refuse	ND (3.30)	ND (22)	**462**	–	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.017)	ND (0.013)	ND (0.013)	ND (0.00132)
		13.5	Native Soil	ND (2.98)	ND (27)	ND (68)	–	ND (0.016)	ND (0.016)	ND (0.024)	ND (0.016)	–	–	–	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.013)	ND (0.016)	ND (0.016)	ND (0.00159)
GP-14-15	9/21/2015	3.5	Fill/Refuse	ND (2.98)	ND (20)	ND (50)	–	ND (0.014)	ND (0.014)	ND (0.021)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.00138)
		13.5	Native Soil	ND (2.98)	ND (34)	ND (86)	–	ND (0.025)	ND (0.025)	ND (0.037)	ND (0.025)	–	–	–	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.022)	ND (0.025)	ND (0.025)	ND (0.00249)
		13.5 dup	Native Soil	ND (2.98)	ND (27)	ND (66)	–	ND (0.016)	ND (0.016)	ND (0.024)	ND (0.016)	–	–	–	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.013)	ND (0.016)	ND (0.016)	ND (0.00160)
GP-15-15	9/21/2015	6.0	Fill/Refuse	ND (2.98)	ND (25)	ND (64)	–	ND (0.018)	ND (0.018)	ND (0.027)	ND (0.018)	–	–	–	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.015)	ND (0.018)	ND (0.018)	ND (0.00177)
		14.0	Native Soil	ND (2.98)	ND (26)	ND (65)	–	ND (0.015)	ND (0.015)	ND (0.022)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.00146)
GP-16-15	9/21/2015	8	Native Soil	ND (4.83)	**72**	**427**	**499**	ND (0.019)	**0.022**	ND (0.029)	**0.029**	–	–	–	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.012)	ND (0.019)	ND (0.019)	ND (0.00193)
		13.5	Native Soil	ND (3.95)	ND (25)	ND (63)	–	ND (0.016)	ND (0.016)	ND (0.024)	ND (0.016)	–	–	–	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.014)	ND (0.016)	ND (0.016)	ND (0.00158)
GP-17-15	9/21/2015	7	Native Soil	ND (4.2)	ND (27.2)	**70**	**70**	ND (0.017)	ND (0.017)	ND (0.025)	ND (0.017)	–	–	–	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.013)	ND (0.017)	ND (0.017)	ND (0.00168)
		14.5	Native Soil	ND (3.9)	ND (20.2)	ND (51)	–	ND (0.016)	ND (0.016)	ND (0.023)	ND (0.016)	–	–	–	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.013)	ND (0.016)	ND (0.016)	ND (0.00155)
		7 dup	Native Soil	ND (3.8)	ND (23.9)	**401**	**401**	ND (0.015)	ND (0.015)	ND (0.023)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.013)	ND (0.015)	ND (0.015)	ND (0.00152)
GP-18-15	9/21/2015	3	Native Soil	ND (3.5)	ND (20.3)	**302**	**302**	ND (0.014)	ND (0.014)	ND (0.021)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.030)	ND (0.014)	ND (0.014)	ND (0.00139)
		14	Native Soil	ND (3.7)	ND (23.6)	ND (59)	–	ND (0.015)	ND (0.015)	ND (0.022)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.012)	ND (0.015)	ND (0.015)	ND (0.00148)
GP-19-15	9/21/2015	5	Native Soil	ND (3.1)	ND (20.7)	ND (52)	–	ND (0.012)	ND (0.012)	ND (0.019)	ND (0.012)	–	–	–	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.012)	ND (0.00124)
		14.5	Native Soil	ND (4.7)	ND (24.8)	ND (62)	–	ND (0.019)	ND (0.019)	ND (0.028)	ND (0.019)	–	–	–	ND (0.019)	ND (0.019)	**0.02**	ND (0.019)	ND (0.017)	ND (0.019)	ND (0.019)	ND (0.00188)
GP-20-15	9/21/2015	5.5	Native Soil	ND (3.3)	ND (19.7)	**285**	**285**	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.00133)
		14	Native Soil	ND (3.6)	ND (20.8)	ND (52)	–	ND (0.014)	ND (0.014)	ND (0.022)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	**0.015**	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.00144)
GP-21-15	9/21/2015	4	Native Soil	**3.7**	ND (23.3)	**728**	**728**	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	**0.014**	**0.13**	ND (0.022)	ND (0.013)	ND (0.013)	ND (0.00134)
		14	Native Soil	ND (4.0)	ND (21.8)	ND (55)	–	ND (0.016)	ND (0.016)	ND (0.024)	ND (0.016)	–	–	–	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.013)	ND (0.016)	ND (0.016)	ND (0.00161)
GP-22-15	9/22/2015	1.5	Native Soil	ND (3.5)	ND (21.4)	ND (53)	–	ND (0.014)	ND (0.014)	ND (0.021)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.00140)
		3	Native Soil	ND (3.6)	ND (20.4)	ND (51)	–	ND (0.014)	ND (0.014)	ND (0.022)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.00143)
		3.0 dup	Native Soil	ND (2.7)	ND (19.3)	ND (48)	–	ND (0.010)	ND (0.010)	ND (0.016)	ND (0.010)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.012)	ND (0.010)	ND (0.010)	ND (0.00109)
MW-1-15	9/18/2015	6	Native Soil	ND (2.7)	ND (24.0)	ND (60)	–	ND (0.011)	ND (0.011)	ND (0.016)	ND (0.011)	–	–	–	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.00109)
		12	Native Soil	ND (3.3)	ND (23.9)	ND (60)	–	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.00131)
MW-2-15	9/18/2015	3	Native Soil	ND (3.3)	ND (21.9)	**137**	**–**	ND (0.013)	ND (0.013)	ND (0.020)	ND (0.013)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.00131)
		13	Native Soil	ND (5.5)	ND (37.8)	ND (95)	–	ND (0.022)	ND (0.022)	ND (0.033)	ND (0.022)	–	–	–	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.013)	ND (0.022)	ND (0.022)	ND (0.00220)
MW-3-15	9/18/2015	6.5	Native Soil	ND (3.88)	ND (23)	ND (59)	–	ND (0.016)	ND (0.016)	ND (0.023)	ND (0.016)	–	–	–	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.013)	ND (0.016)	ND (0.016)	ND (0.00155)
		15	Native Soil	ND (3.69)	ND (26)	ND (64)	–	ND (0.015)	ND (0.015)	ND (0.022)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.030)	ND (0.015)	ND (0.015)	ND (0.00147)
MW-4-15	9/22/2015	6	Native Soil	ND (2.66)	ND (22)	**1,250**	**–**	ND (0.011)	ND (0.011)	ND (0.016)	ND (0.011)	–	–	–	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.00106)
		14.5	Native Soil	ND (4.89)	ND (29)	ND (74)	–	ND (0.020)	ND (0.020)	ND (0.029)	ND (0.020)	–	–	–	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.014)	ND (0.020)	ND (0.020)	ND (0.00196)
MW-5-15	9/22/2015	5	Native Soil	ND (3.79)	ND (24)	ND (61)	–	ND (0.015)	ND (0.015)	ND (0.023)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.015)	ND (0.00152)
		12.5	Native Soil	ND (3.57)	ND (24)	ND (61)	–	ND (0.014)	ND (0.014)	ND (0.021)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.00143)
MW-6-15	9/22/2015	5.5	Native Soil	ND (3.59)	ND (20)	ND (50)	–	ND (0.014)	ND (0.014)	ND (0.022)	ND (0.014)	–	–	–	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.00143)
		5.5 dup	Native Soil	ND (4.29)	ND (20)	**4,080**	**–**	ND (0.016)	ND (0.016)	ND (0.023)	ND (0.016)	–	–	–	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.022)	ND (0.016)	ND (0.016)	ND (0.00171)
		14	Native Soil	ND (3.88)	ND (20)	ND (51)	–	ND (0.017)	ND (0.017)	ND (0.026)	ND (0.017)	–	–	–	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.013)	ND (0.017)	ND (0.017)	ND (0.00155)
TP-1-15	9/23/2015	5.5	Native Soil	ND (5.83)	ND (27)	**895**	–	ND (0.023)	ND (0.023)	ND (0.035)	ND (0.023)	–	–	–	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.015)	ND (0.023)	ND (0.023)	ND (0.00233)
TP-3-15	9/23/2015	6.0	Fill/Refuse	ND (3.66)	ND (24)	**267**	–	ND (0.015)	ND (0.015)	ND (0.022)	ND (0.015)	–	–	–	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.00146)

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Petroleum Hydrocarbons (mg/kg)				Volatile Organic Compounds by EPA 8260 (mg/kg)														
				Gasoline Range Organics	Diesel Range Organics	Lube Oil Range Organics	Diesel + Lube Oil Range	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Acetone	2-Butanone	Carbon Disulfide	cis-1,2-DCE	Chloro-benzene	Methylene Chloride	p-Isopropyl-toluene	Styrene	PCE	TCE	1,2,4-TMB	Vinyl Chloride
	Site Screening Level (mg/kg) [a]			*100*	*200*	*2,000*	*2,000*	*0.001*	*0.024*	*0.014*	*0.52*	*2.1*	*1.4*	*0.27*	*0.0050*	*0.051*	*0.0050*	*0.23*	*0.12*	*0.0013*	*0.0010*	*NA*	*NA*
Environmental Investigation (2017)																						
PP1	5/23/2017	2.0	Fill/Refuse	ND (6.9)	ND (31)	ND (62)	–	ND (0.001)	**0.019**	ND (0.001)	ND (0.002)	ND (0.011)	ND (0.006)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	**0.019**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)
		10	Native Soil	ND (8.0)	ND (33)	ND (67)	–	ND (0.001)	**0.020**	ND (0.001)	ND (0.003)	**0.051**	**0.012**	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.013)	ND (0.001)	**0.020**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0013)
PP2	5/23/2017	2.5	Native Soil	ND (7.8)	ND (33)	ND (66)	–	ND (0.001)	**0.025**	ND (0.001)	ND (0.003)	**0.071**	**0.019**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.012)	ND (0.001)	**0.025**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0012)
		10	Native Soil	ND (9.0)	ND (36)	ND (73)	–	ND (0.001)	**0.019**	ND (0.001)	ND (0.003)	**0.088**	**0.023**	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.014)	ND (0.001)	**0.019**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0014)
PP3	5/24/2017	2.5	Fill/Refuse	ND (6.6)	ND (31)	**140**	–	ND (0.001)	ND (0.006)	ND (0.001)	ND (0.002)	**0.058**	**0.013**	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.012)	ND (0.069)	ND (0.006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0012)
		10	Native Soil	ND (7.0)	ND (31)	ND (62)	–	ND (0.001)	**0.016**	ND (0.001)	ND (0.003)	**0.028**	ND (0.006)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.012)	ND (0.001)	**0.016**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0012)
PP4	5/24/2017	3.0	Fill/Refuse	ND (7.4)	ND (54)	**500**	–	ND (0.001)	**0.016**	ND (0.001)	ND (0.002)	ND (0.011)	ND (0.006)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.011)	ND (0.001)	**0.016**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0011)
		10	Native Soil	ND (7.1)	ND (55)	**570**	–	ND (0.001)	**0.011**	ND (0.001)	ND (0.003)	**0.051**	**0.007**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.013)	ND (0.001)	**0.011**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0013)
PP5	5/23/2017	2.5	Fill/Refuse	ND (7.0)	ND (68)	**620**	–	ND (0.001)	ND (0.006)	ND (0.001)	ND (0.002)	ND (0.012)	ND (0.006)	ND (0.006)	ND (0.001)	ND (0.001)	ND (0.012)	ND (0.001)	ND (0.006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0012)
		10	Native Soil	ND (8.1)	ND (34)	ND (67)	–	ND (0.001)	**0.016**	ND (0.001)	ND (0.003)	**0.046**	**0.013**	**0.002**	ND (0.001)	ND (0.001)	ND (0.013)	ND (0.001)	**0.016**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0013)
PP6	5/23/2017	2.0	Fill/Refuse	ND (5.7)	ND (29)	**62**	–	ND (0.001)	**0.010**	ND (0.001)	ND (0.002)	**0.011**	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	**0.010**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0009)
		10	Native Soil	ND (9.7)	ND (37)	ND (75)	–	ND (0.002)	**0.008**	ND (0.002)	ND (0.003)	**0.10**	**0.025**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.015)	ND (0.002)	**0.008**	ND (0.002)	ND (0.002)	ND (0.002)	ND (0.0015)
PP7	5/24/2017	0	Fill/Refuse	ND (6.6)	ND (31)	**63**	–	ND (0.001)	ND (0.007)	ND (0.001)	ND (0.003)	ND (0.014)	ND (0.007)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.014)	ND (0.001)	ND (0.007)	ND (0.001)	ND (0.001)	**0.012**	ND (0.0014)
		10	Native Soil	ND (7.8)	ND (31)	ND (63)	–	ND (0.001)	**0.022**	ND (0.001)	ND (0.003)	**0.019**	ND (0.007)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.013)	ND (0.001)	**0.022**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0013)
PP8	5/24/2017	0.5	Fill/Refuse	ND (6.1)	ND (28)	ND (57)	–	ND (0.001)	**0.014**	ND (0.001)	ND (0.003)	**0.027**	ND (0.007)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.013)	ND (0.001)	**0.014**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0013)
		10	Native Soil	ND (9.6)	ND (36)	ND (71)	–	ND (0.001)	**0.021**	ND (0.001)	ND (0.003)	**0.016**	ND (0.007)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.014)	ND (0.001)	**0.021**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0014)
PP9	5/24/2017	0	Fill/Refuse	ND (5.6)	ND (26)	ND (52)	–	ND (0.001)	**0.014**	ND (0.001)	ND (0.003)	ND (0.013)	ND (0.006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.013)	ND (0.057)	**0.014**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0013)
		10	Native Soil	ND (7.0)	ND (31)	ND (62)	–	ND (0.001)	**0.015**	ND (0.001)	ND (0.003)	**0.015**	ND (0.006)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.012)	ND (0.001)	**0.015**	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0012)
Remedial Investigation (2018)																						
B-04	2/21/2018	12.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-05	2/20/2018	7.5	Fill/Refuse	–	**440**	ND (220)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-06	2/22/2018	2.5	Fill/Refuse	–	ND (31)	**150**	**150**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	ND (31)	ND (61)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	ND (32)	**130**	**130**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-07	2/27/2018	2.5	Fill/Refuse	–	ND (150)	**4,400**	**4,400**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	ND (310)	**1,800**	**1,800**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	ND (33)	**180**	**180**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-08	2/26/2018	5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-09	2/22/2018	5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-10	2/26/2018	7.5	Native Soil	–	ND (30)	**88**	**88**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-11	2/26/2018	2.5	Fill/Refuse	–	ND (33)	**380**	**380**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-13	2/23/2018	7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-14	2/21/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-15	2/21/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-16	2/23/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-17	2/20/2018	10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP10	2/21/2018	11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP11	2/28/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP12	2/21/2018	2	Fill/Refuse	–	ND (31)	**69**	**69**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	–	ND (130)	**800**	**800**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	ND (32)	**82**	**82**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP13	2/21/2018	10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP14	2/28/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP15	2/21/2018	6	Fill/Refuse	–	**81**	**550**	**631**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP16	2/28/2018	1	Fill/Refuse	ND (5.3)	ND (320)	**3,200**	**3,200**	ND (0.020)	ND (0.053)	ND (0.053)	ND (0.11)	–	–	–	–	–	–	–	–	–	–	–	–
		11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP17	2/28/2018	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP18	2/28/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Petroleum Hydrocarbons (mg/kg)				Volatile Organic Compounds by EPA 8260 (mg/kg)															
				Gasoline Range Organics	Diesel Range Organics	Lube Oil Range Organics	Diesel + Lube Oil Range	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Acetone	2-Butanone	Carbon Disulfide	cis-1,2-DCE	Chloro-benzene	Methylene Chloride	p-Isopropyl-toluene	Styrene	PCE	TCE	1,2,4-TMB	Vinyl Chloride
	Site Screening Level (mg/kg) [a]			*100*	*200*	*2,000*	*2,000*	*0.001*	*0.024*	*0.014*	*0.52*	*2.1*	*1.4*	*0.27*	*0.0050*	*0.051*	*0.0050*	*0.23*	*0.12*	*0.0013*	*0.0010*	*NA*	*NA*
PP19	2/21/2018	7	Fill/Refuse	–	**400**	**370**	**770**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP20	2/28/2018	2	Fill/Refuse	–	ND (29)	**380**	**380**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	ND (200)	**1,300**	**1,300**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	ND (32)	**95**	**95**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	ND (58)	**320**	**320**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP21	2/28/2018	2	Fill/Refuse	–	**57**	**540**	**597**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6	Fill/Refuse	–	**150**	**960**	**1,110**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	**39**	**1,800**	**10,000**	**11,800**	ND (0.024)	ND (0.12)	ND (0.12)	ND (0.24)	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	**110**	**1,200**	**1,310**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP22	2/21/2018	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		13	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP23	2/28/2018	2	Fill/Refuse	ND (13)	ND (29)	**200**	**200**	ND (0.025)	ND (0.13)	ND (0.13)	ND (0.26)	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP24	2/28/2018	7	Fill/Refuse	ND (7.5)	ND (35)	**130**	**130**	ND (0.020)	ND (0.075)	ND (0.075)	ND (0.15)	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP25	2/21/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		13	Fill/Refuse	**400**	**1,400**	**1,200**	**2,600**	ND (0.026)	ND (0.13)	ND (0.13)	ND (0.13)	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	ND (15)	**49**	**130**	**179**	ND (0.15)	ND (0.15)	ND (0.15)	ND (0.15)	–	–	–	–	–	–	–	–	–	–	–	–
PP26	2/21/2018	11	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP27	2/28/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP28	3/1/2018	8	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP29	3/1/2018	3	Fill/Refuse	–	ND (280)	**5,900**	**5,900**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP30	2/28/2018	5	Fill/Refuse	–	**71**	**630**	**701**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP31	3/1/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP32	3/1/2018	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	–	ND (60)	**650**	**650**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	ND (13)	–	–	–	ND (0.026)	ND (0.13)	ND (0.13)	ND (0.26)	–	–	–	–	–	–	–	–	–	–	–	–
PP33	3/1/2018	3	Fill/Refuse	ND (12)	ND (750)	**12,000**	**12,000**	ND (0.024)	ND (0.12)	ND (0.12)	ND (0.24)	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP34	2/21/2018	8	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Supplemental Remedial Investigation (2018)																							
MW-10	12/17/18	4	Fill/Refuse	**110**	ND (37)	**130**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	ND (7.2)	ND (29)	ND (59)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-11	12/17/18	4	Fill/Refuse	ND (3.9)	ND (32)	**170**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6.5	Native Soil	–	ND (29)	ND (58)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-12	12/17/18	3	Fill/Refuse	ND (5.2)	ND (33)	ND (66)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP35	12/20/2018	4	Fill/Refuse	ND (4.1)	ND (120)	**730**	**730**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Fill/Refuse	–	**58**	**210**	**268**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP36	12/20/2018	1	Fill/Refuse	ND (5.5)	ND (30)	**190**	**190**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	ND (7.0)	ND (42)	**670**	**670**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP37	12/20/2018	1.5	Fill/Refuse	ND (6.3)	**29**	ND (57)	**29**	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Second Supplemental Remedial Investigation (2023)																							
PP38	5/4/2023	1	Fill/Refuse	–	–	–	–	ND (0.00089)	ND (0.0044)	ND (0.00089)	ND (0.0018)	ND (0.0089)	ND (0.0044)	ND (0.00089)	ND (0.00089)	ND (0.00089)	ND (0.0044)	ND (0.00089)	ND (0.00089)	ND (0.00089)	ND (0.00089)	ND (0.00089)	ND (0.00089)
		5	Native Soil	–	–	–	–	ND (0.00097)	ND (0.0048)	ND (0.00097)	ND (0.0019)	**0.13**	**0.034**	**0.0011**	ND (0.00097)	ND (0.00097)	ND (0.0048)	ND (0.079)	ND (0.00097)	ND (0.00097)	ND (0.00097)	ND (0.079)	ND (0.00097)
PP39	5/4/2023	1	Fill/Refuse	–	–	–	–	ND (0.00085)	ND (0.0043)	ND (0.00085)	ND (0.0017)	**0.10**	**0.018**	**0.0026**	ND (0.00085)	ND (0.00085)	ND (0.0043)	ND (0.048)	ND (0.00085)	ND (0.00085)	ND (0.00085)	ND (0.048)	ND (0.00085)
		6	Native Soil	–	–	–	–	ND (0.0013)	ND (0.0063)	ND (0.0013)	ND (0.0025)	**0.41**	**0.12**	**0.0019**	ND (0.0013)	ND (0.0013)	ND (0.0063)	ND (0.077)	ND (0.0013)	ND (0.0013)	ND (0.0013)	ND (0.077)	ND (0.0013)
PP40	5/4/2023	1	Fill/Refuse	–	–	–	–	ND (0.00069)	ND (0.0035)	ND (0.00069)	ND (0.0014)	ND (0.0069)	ND (0.0035)	ND (0.00069)	ND (0.00069)	ND (0.00069)	ND (0.0035)	ND (0.00069)	ND (0.00069)	ND (0.00069)	ND (0.00069)	ND (0.00069)	ND (0.00069)
		5	Native Soil	–	–	–	–	ND (0.0011)	ND (0.0054)	ND (0.0011)	ND (0.0022)	**0.33**	**0.10**	0.0036	ND (0.0011)	ND (0.0011)	ND (0.0054)	ND (0.076)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.076)	ND (0.0011)
PP41	5/4/2023	1	Fill/Refuse	–	–	–	–	ND (0.0010)	ND (0.0050)	ND (0.0010)	ND (0.002)	ND (0.01)	ND (0.0050)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0050)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
		4	Native Soil	–	–	–	–	ND (0.0011)	ND (0.0056)	ND (0.0011)	ND (0.0022)	**0.11**	**0.028**	**0.0018**	ND (0.0011)	ND (0.0011)	ND (0.0056)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
PP42	5/8/2023	1	Native Soil	–	–	–	–	ND (0.0013)	ND (0.0063)	ND (0.0013)	ND (0.0025)	ND (0.013)	ND (0.0063)	ND (0.0013)	ND (0.0013)	ND (0.0013)	ND (0.008)	ND (0.0013)	ND (0.0013)	ND (0.0013)	ND (0.0013)	ND (0.0013)	ND (0.0013)
		7	Native Soil	–	–	–	–	ND (0.0027)	ND (0.013)	ND (0.0027)	ND (0.0053)	**0.23**	**0.069**	ND (0.0027)	ND (0.0027)	ND (0.0027)	ND (0.017)	ND (0.0027)	ND (0.0027)	ND (0.0027)	ND (0.0027)	ND (0.0027)	ND (0.0027)
PP43	5/8/2023	1	Native Soil	–	–	–	–	ND (0.0014)	ND (0.007)	ND (0.0014)	ND (0.0028)	**0.017**	ND (0.007)	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0088)	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0014)
		9	Native Soil	–	–	–	–	ND (0.0010)	ND (0.0051)	ND (0.0010)	ND (0.0021)	ND (0.010)	ND (0.0051)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0065)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Petroleum Hydrocarbons (mg/kg)				Volatile Organic Compounds by EPA 8260 (mg/kg)													
				Gasoline Range Organics	Diesel Range Organics	Lube Oil Range Organics	Diesel + Lube Oil Range	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Acetone	2-Butanone	Carbon Disulfide	cis-1,2-DCE	Chloro-benzene	Methylene Chloride	p-Isopropyl-toluene	Styrene	PCE	TCE	1,2,4-TMB	Vinyl Chloride
	Site Screening Level (mg/kg) [a]			***100***	***200***	***2,000***	***2,000***	***0.001***	***0.024***	***0.014***	***0.52***	***2.1***	***1.4***	***0.27***	***0.0050***	***0.051***	***0.0050***	***0.23***	***0.12***	***0.0013***	***0.0010***	***NA***	***NA***
PP44	5/8/2023	1	Native Soil	–	–	–	–	ND (0.0011)	ND (0.0053)	ND (0.0011)	ND (0.0021)	ND (0.011)	ND (0.0053)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0066)	ND (0.064)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.064)	ND (0.0011)
		7	Native Soil	–	–	–	–	ND (0.0011)	ND (0.0056)	ND (0.0011)	ND (0.0022)	**0.016**	ND (0.0056)	ND (0.0011)	ND (0.0011)	**0.0013**	ND (0.007)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
PP45	5/8/2023	1.5	Native Soil	–	–	–	–	ND (0.00079)	ND (0.004)	ND (0.00079)	ND (0.0016)	**0.0094**	ND (0.004)	ND (0.00079)	ND (0.00079)	ND (0.00079)	ND (0.004)	ND (0.058)	ND (0.00079)	ND (0.00079)	ND (0.00079)	ND (0.058)	ND (0.00079)
		9	Native Soil	–	–	–	–	ND (0.00099)	ND (0.0049)	ND (0.00099)	ND (0.0020)	**0.029**	ND (0.0049)	ND (0.00099)	ND (0.00099)	ND (0.00099)	ND (0.0062)	ND (0.00099)	ND (0.00099)	ND (0.00099)	ND (0.00099)	ND (0.00099)	ND (0.00099)
MW-13	5/5/2023	1	Fill/Refuse	–	–	–	–	ND (0.0011)	ND (0.0053)	ND (0.0011)	ND (0.0021)	ND (0.011)	ND (0.0053)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0053)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)
		7	Native Soil	–	–	–	–	ND (0.0014)	ND (0.0071)	ND (0.0014)	ND (0.0029)	**0.072**	**0.019**	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0071)	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0014)	ND (0.0014)
MW-14	5/5/2023	1	Fill/Refuse	–	–	–	–	ND (0.0016)	ND (0.0078)	ND (0.0016)	ND (0.0031)	ND (0.016)	ND (0.0078)	ND (0.0022)	ND (0.0016)	ND (0.0016)	ND (0.0078)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0016)	ND (0.0022)
		7	Native Soil	–	–	–	–	ND (0.0011)	ND (0.0056)	ND (0.0011)	ND (0.0022)	**0.050**	**0.014**	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0056)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0011)

Values shown in **bold** are detected above the laboratory reporting limit.
Values shown in **bold and shaded** are detected at or above the Site Screening Level.
a = Site Screening Levels from Remedial Investigation Report, 2019.
b = Total carcinogenic polycyclic aromatic hydrocarbons (cPAHs) toxicity equivalency (TEQ) concentration is calculated using one-half the reporting limit for compounds that were not detected above the reporting limit.
All analytical values shown in milligrams per kilogram (mg/kg).
Sample depth is shown in feet below ground surface (ft bgs).
ND = Not detected at or above the laboratory reporting limits (RL) (shown in parentheses).
DCE = Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
TMB = Trimethylbenzene
– = Not analyzed or not applicable.
NA = Not available.
dup = field duplicate

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Total Metals by EPA 6010D/7471B (mg/kg)								Total PCBs by EPA 8082A	Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270D/SIM (mg/kg)							
				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Total PCBs	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(j,k) fluoranthene	Chrysene	Dibenz(a,h) anthracene	Indeno (1,2,3-cd) pyrene	Total cPAHs (TEQ)[b]
		Site Screening Level (mg/kg) [a]		***20***	***41***	***1.0***	***48***	***25***	***0.070***	***10***	***0.61***	***0.050***	***0.0067***	***0.010***	***0.012***	***0.012***	***0.0067***	***0.018***	***0.035***	***0.02***
Phase II Investigation (2015)																				
GP-1-15	9/17/2015	5.0	Native Soil	**1.69**	**22.9**	ND (0.17)	**9.79**	**1.28**	ND (0.29)	**1.18**	ND (0.087)	–	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.08)
		13.5	Native Soil	**1.40**	**15**	ND (0.18)	**12.6**	**1.22**	ND (0.30)	**1.26**	ND (0.091)	–	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.091)
GP-2-15	9/17/2015	4.5	Native Soil	**3.13**	**38.0**	**0.253**	**17.5**	**22.1**	ND (0.23)	**1.48**	ND (0.0835)	–	**0.137**	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	**0.087**
		14.0	Native Soil	**2.9**	**21**	ND (0.20)	**17**	**1.4**	ND (0.29)	**1.2**	ND (0.098)	–	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.084)
GP-3-15	9/17/2015	9.0	Fill/Refuse	**3.4**	**24**	ND (0.20)	**11**	**22**	ND (0.30)	**1.1**	ND (0.10)	–	**0.11**	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	**0.092**
		12.5	Native Soil	**102**	**154**	**3.8**	**143**	**2,780**	**0.55**	**1.2**	**2.5**	ND (0.20)	**0.19**	**0.28**	ND (0.156)	ND (0.156)	ND (0.156)	ND (0.156)	ND (0.156)	**0.36**
GP-4-15	9/17/2015	5.0	Fill/Refuse	**3.8**	**36**	**0.20**	**12**	**19**	ND (0.28)	**1.5**	ND (0.093)	–	**0.12**	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	**0.089**
		13.0	Native Soil	**1.4**	**17**	ND (0.21)	**11**	**1.3**	ND (0.32)	**1.1**	ND (0.11)	–	**0.11**	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	**0.093**
GP-5-15	9/17/2015	5.0	Fill/Refuse	**7.6**	**85**	**1.4**	**20**	**45**	ND (0.30)	**1.6**	**0.12**	–	**0.13**	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	**0.091**
		13.0	Native Soil	**2.3**	**23**	ND (0.19)	**12**	**1.9**	ND (0.28)	**1.1**	ND (0.095)	–	**0.11**	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	**0.091**
		13 dup	Native Soil	**4.0**	**19**	ND (0.18)	**14**	**2.0**	ND (0.27)	**1.4**	ND (0.092)	–	**0.10**	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	**0.087**
GP-6-15	9/17/2015	7.5	Fill/Refuse	**50**	**631**	**37**	**115**	**2,180**	**9.1**	**1.7**	**2.6**	ND (0.17)	**0.62**	**0.93**	**0.51**	**0.19**	**0.25**	ND (0.135)	ND (0.135)	**1.1**
		14.0	Native Soil	**2.2**	**23**	ND (0.19)	**9.7**	**1.5**	ND (0.30)	**1.1**	ND (0.096)	–	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.088)
GP-7-15	9/17/2015	5.0	Fill/Refuse	**6.1**	**148**	**0.79**	**23**	**63**	**2.5**	**1.3**	**0.14**	–	**0.11**	ND (0.083)	ND (0.083)	ND (0.083)	ND (0.083)	ND (0.083)	ND (0.083)	**0.082**
		14.0	Native Soil	**2.4**	**17**	ND (0.18)	**9.59**	**1.5**	ND (0.28)	**1.1**	ND (0.09)	–	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.083)
GP-8-15	9/17/2015	5.0	Fill/Refuse	**12**	**224**	**0.71**	**17**	**370**	ND (0.29)	**1.9**	**0.14**	ND (0.11)	**0.13**	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	**0.094**
		14.5	Native Soil	**5.9**	**50**	ND (0.20)	**20**	**3.2**	ND (0.30)	**1.5**	ND (0.10)	–	ND (0.109)	**0.55**	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.109)	**0.60**
		14.5 dup	Native Soil	**3.3**	**36**	ND (0.20)	**15**	**2.1**	ND (0.29)	**1.0**	ND (0.10)	–	ND (0.103)	**0.23**	ND (0.103)	ND (0.103)	ND (0.103)	**53**	**62**	**0.27**
GP-9-15	9/17/2015	5.0	Fill/Refuse	**1.9**	**29**	ND (0.18)	**18**	**8.3**	ND (0.28)	**0.74**	ND (0.091)	–	**0.11**	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	**0.092**
		12.5	Native Soil	**2.7**	**59**	ND (0.22)	**21**	**3.6**	ND (0.30)	**1.7**	ND (0.109)	–	**0.12**	**0.24**	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	**0.25**
GP-10-15	9/17/2015	4.5	Fill/Refuse	**39.7**	**232**	**8.3**	**314**	**3,320**	ND (0.31)	**0.96**	**1.99**	ND (0.13)	**164**	**91**	**186**	**28**	**193**	**62**	**53**	**213**
		13.0	Native Soil	**1.2**	**31**	ND (0.19)	**14**	**2.06**	ND (0.30)	**1.0**	ND (0.093)	–	ND (0.10)	**0.213**	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	**0.25**
GP-11-15	9/17/2015	4.5	Fill/Refuse	**2.5**	**33**	ND (0.16)	**14**	**40**	ND (0.25)	**0.80**	ND (0.080)	ND (0.11)	**0.11**	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	**0.083**
		14.5	Native Soil	**3.0**	**72**	ND (0.28)	**22**	**4.3**	ND (0.45)	**1.4**	ND (0.14)	–	**0.20**	**0.59**	ND (0.144)	ND (0.144)	ND (0.144)	ND (0.144)	ND (0.144)	**0.66**
GP-12-15	9/18/2015	4.0	Fill/Refuse	**2.8**	**27**	ND (0.20)	**13**	**3.5**	ND (0.29)	**1.4**	ND (0.10)	–	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.86)
		13.5	Native Soil	**1.2**	**18**	ND (0.20)	**14**	**1.3**	ND (0.31)	**0.89**	ND (0.099)	–	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.090)
GP-13-15	9/21/2015	4.5	Fill/Refuse	**3.4**	**40**	**0.19**	**19**	**424**	ND (0.26)	**0.99**	ND (0.091)	ND (0.11)	**0.13**	ND (0.087)	**0.23**	ND (0.087)	ND (0.087)	ND (0.087)	ND (0.087)	**0.10**
		13.5	Native Soil	**3.3**	**73**	ND (0.22)	**24**	**4.3**	ND (0.33)	**2.1**	ND (0.11)	–	ND (0.111)	**0.45**	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	**0.48**
GP-14-15	9/21/2015	3.5	Fill/Refuse	**2.9**	**36**	**0.19**	**13**	**20**	ND (0.28)	**0.96**	ND (0.093)	–	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.095)	ND (0.095)	ND (0.083)
		13.5	Native Soil	**7.7**	**95**	ND (0.30)	**23**	**5.2**	ND (0.46)	**3.2**	ND (0.15)	–	ND (0.146)	**0.64**	ND (0.146)	ND (0.146)	ND (0.146)	ND (0.146)	ND (0.146)	**0.64**
		13.5 dup	Native Soil	**4.6**	**103**	ND (0.24)	**32**	**6.2**	ND (0.31)	**2.5**	ND (0.12)	–	ND (0.114)	**0.54**	ND (0.114)	ND (0.114)	ND (0.114)	**53**	**62**	**0.58**
GP-15-15	9/21/2015	6.0	Fill/Refuse	**2.5**	**42**	**0.39**	**18**	**15**	ND (0.33)	**0.66**	ND (0.12)	–	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.117)
		14.0	Native Soil	**1.7**	**32**	ND (0.21)	**12**	**1.6**	ND (0.30)	**0.83**	ND (0.11)	–	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)
GP-16-15	9/21/2015	8	Native Soil	**18.5**	**78**	**1.9**	**57**	**552**	ND (0.42)	ND (0.63)	**0.18**	**0.42**	**0.21**	ND (0.133)	ND (0.133)	ND (0.133)	ND (0.133)	ND (0.133)	ND (0.133)	**0.13**
		13.5	Native Soil	**1.8**	**26**	ND (0.198)	**13**	**2.2**	ND (0.29)	**0.89**	ND (0.10)	–	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.088)
GP-17-15	9/21/2015	7	Native Soil	**8.7**	**52**	**0.36**	**16**	**49**	ND (0.31)	**1.5**	ND (0.117)	–	**0.19**	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	**0.1**
		14.5	Native Soil	**2**	**22**	ND (0.19)	**12**	**2.6**	ND (0.26)	**0.99**	ND (0.095)	–	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.082)
		7 dup	Native Soil	**5.7**	**38**	**3.2**	**19**	**39**	ND (0.29)	**1.5**	ND (0.102)	–	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.090)
GP-18-15	9/21/2015	3	Native Soil	**5.2**	**47**	**0.32**	**18**	**60**	ND (0.24)	**1.1**	ND (0.091)	–	**0.16**	ND (0.085)	ND (0.085)	ND (0.085)	**0.095**	ND (0.085)	ND (0.085)	**0.089**
		14	Native Soil	**5.6**	**25**	ND (0.18)	**56**	**5.7**	ND (0.26)	**0.9**	ND (0.090)	–	ND (0.095)	**0.17**	**0.19**	ND (0.095)	ND (0.095)	ND (0.009)	ND (0.009)	**0.54**
GP-19-15	9/21/2015	5	Native Soil	**3.5**	**44**	ND (0.18)	**22**	**5.4**	ND (0.24)	**1.1**	ND (0.088)	–	ND (0.086)	ND (0.086)	**0.17**	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	**0.091**
		14.5	Native Soil	**2.7**	**38**	ND (0.20)	**17**	**2.2**	ND (0.28)	**0.86**	ND (0.099)	–	ND (0.102)	**0.28**	ND (0.102)	ND (0.102)	ND (0.102)	ND (0.102)	ND (0.102)	**0.32**
GP-20-15	9/21/2015	5.5	Native Soil	**4**	**32**	ND (0.17)	**19**	**19.6**	ND (0.27)	**1.2**	ND (0.085)	–	**0.13**	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	**0.086**
		14	Native Soil	**1.9**	**21**	ND (0.18)	**11**	**2.3**	ND (0.27)	**0.9**	ND (0.092)	–	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.083)
GP-21-15	9/21/2015	4	Native Soil	**2.6**	**40**	**0.23**	**22**	**18**	ND (0.25)	**0.85**	ND (0.095)	–	**0.16**	ND (0.091)	ND (0.091)	ND (0.091)	**0.23**	ND (0.091)	ND (0.091)	**0.096**
		14	Native Soil	**2.8**	**27**	ND (0.20)	**14**	**3.4**	ND (0.28)	**0.78**	ND (0.099)	–	**0.12**	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	**0.091**
GP-22-15	9/22/2015	1.5	Native Soil	**3.8**	**46**	ND (0.17)	**18**	**5.1**	**0.38**	**1.7**	ND (0.084)	–	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.078)
		3	Native Soil	**3.8**	**44**	ND (0.19)	**19**	**4.1**	ND (0.25)	**1.6**	ND (0.097)	–	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.083)
		3.0 dup	Native Soil	**4**	**44**	ND (0.18)	**19**	**5.5**	ND (0.25)	**1.8**	ND (0.091)	–	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.081)
MW-1-15	9/18/2015	6	Native Soil	**3.7**	**31**	**0.44**	**17**	**41.1**	ND (0.26)	**1.1**	ND (0.094)	–	**0.13**	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	**0.093**
		12	Native Soil	**2.7**	**20**	ND (0.20)	**14**	**3.4**	ND (0.28)	**1**	ND (0.10)	–	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.089)
MW-2-15	9/18/2015	3	Native Soil	**3.1**	**28**	ND (0.17)	**15**	**23**	ND (0.24)	**0.89**	ND (0.084)	–	**0.14**	ND (0.091)	**0.26**	**0.11**	ND (0.091)	ND (0.091)	ND (0.091)	**0.1**
		13	Native Soil	**8.1**	**74**	ND (0.28)	**22**	**4.9**	ND (0.44)	**2.35**	ND (0.14)	–	ND (0.152)	**0.52**	ND (0.152)	ND (0.152)	ND (0.152)	ND (0.152)	ND (0.152)	**0.58**
MW-3-15	9/18/2015	6.5	Native Soil	**3.8**	**17**	ND (0.21)	**12**	**1.3**	ND (0.30)	**0.86**	ND (0.10)	–	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.089)
		15	Native Soil	**1.6**	**27**	ND (0.23)	**12**	**1.5**	ND (0.32)	**0.98**	ND (0.11)	–	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.098)
MW-4-15	9/22/2015	6	Native Soil	**4**	**45**	ND (0.19)	**26**	**19**	ND (0.28)	**1.2**	ND (0.094)	–	**0.33**	**0.2**	**0.35**	ND (0.092)	**0.3**	ND (0.008)	ND (0.008)	**0.28**
		14.5	Native Soil	**4.5**	**80**	ND (0.25)	**21**	**3.8**	ND (0.34)	**2.5**	ND (0.13)	–	ND (0.123)	**0.27**	ND (0.123)	ND (0.123)	ND (0.123)	ND (0.123)	ND (0.123)	**0.27**
MW-5-15	9/22/2015	5	Native Soil	**4.6**	**98**	**5.4**	**24**	**56**	ND (0.27)	**1.6**	ND (0.092)	–	**0.13**	**0.17**	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	**0.18**
		12.5	Native Soil	**2.2**	**30**	ND (0.19)	**15**	**7.7**	ND (0.28)	**1.3**	ND (0.094)	–	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.087)
MW-6-15	9/22/2015	5.5	Native Soil	**3.5**	**39**	ND (0.17)	**18**	**12**	ND (0.27)	**1.5**	ND (0.087)	–	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.080)
		5.5 dup	Native Soil	**3.3**	**29**	ND (0.19)	**12**	**14**	ND (0.29)	**1.1**	ND (0.095)	ND (0.11)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.085)
		14	Native Soil	**3.9**	**28**	ND (0.17)	**13**	**2**	ND (0.28)	**1.4**	ND (0.087)	–	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.086)
TP-1-15	9/23/2015	5.5	Native Soil	**5.2**	**78**	**0.61**	**22**	**88**	ND (0.35)	**1.0**	**0.20**	ND (0.13)	**0.16**	ND (0.110)	ND (0.110)	ND (0.110)	ND (0.110)	ND (0.110)	ND (0.110)	**0.10**
TP-3-15	9/23/2015	6.0	Fill/Refuse	**17**	**315**	**1.4**	**30**	**364**	ND (0.30)	**1.2**	**0.47**	**0.23**	ND (0.098)	ND (0.098)	**0.22**	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.098)	**0.099**

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Total Metals by EPA 6010D/7471B (mg/kg)								Total PCBs by EPA 8082A	Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270D/SIM (mg/kg)							
				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Total PCBs	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(j,k) fluoranthene	Chrysene	Dibenz(a,h) anthracene	Indeno (1,2,3-cd) pyrene	Total cPAHs (TEQ)[b]
	Site Screening Level (mg/kg) [a]			***20***	***41***	***1.0***	***48***	***25***	***0.070***	***10***	***0.61***	***0.050***	***0.0067***	***0.010***	***0.012***	***0.012***	***0.0067***	***0.018***	***0.035***	***0.02***
Environmental Investigation (2017)																				
PP1	5/23/2017	2.0	Fill/Refuse	ND (12)	–	ND (0.62)	**20**	**8.9**	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Native Soil	ND (13)	–	ND (0.67)	**13**	ND (6.7)	ND (0.33)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
PP2	5/23/2017	2.5	Native Soil	ND (13)	–	ND (0.66)	**11**	ND (6.6)	ND (0.33)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		10	Native Soil	ND (15)	–	ND (0.73)	**11**	ND (7.3)	ND (0.36)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.007)
PP3	5/24/2017	2.5	Fill/Refuse	ND (13)	–	ND (0.63)	**27**	**25**	ND (0.31)	–	–	ND (0.063)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Native Soil	ND (12)	–	ND (0.62)	**9.5**	ND (6.2)	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP4	5/24/2017	3.0	Fill/Refuse	ND (13)	–	ND (0.63)	**29**	**84**	ND (0.32)	–	–	**0.18**	**0.029**	**0.034**	**0.042**	**0.014**	**0.037**	ND (0.008)	**0.027**	**0.046**
		10	Native Soil	ND (12)	–	ND (0.62)	**13**	ND (6.2)	ND (0.31)	–	–	ND (0.062)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	**0.014**	ND (0.008)	ND (0.008)	**0.006**
PP5	5/23/2017	2.5	Fill/Refuse	ND (13)	–	ND (0.65)	**23**	**27**	ND (0.33)	–	–	ND (0.065)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		10	Native Soil	ND (13)	–	ND (0.67)	**13**	ND (6.7)	ND (0.34)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
PP6	5/23/2017	2.0	Fill/Refuse	ND (12)	–	ND (0.58)	**29**	**9.7**	ND (0.29)	–	–	**0.12**	**0.008**	**0.012**	**0.016**	ND (0.008)	**0.012**	ND (0.008)	**0.009**	**0.016**
		10	Native Soil	ND (15)	–	ND (0.74)	**14**	ND (7.4)	ND (0.37)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.008)
PP7	5/24/2017	0	Fill/Refuse	ND (12)	–	ND (0.61)	**12**	ND (6.1)	ND (0.31)	–	–	ND (0.061)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Native Soil	ND (13)	–	ND (0.63)	**11**	ND (6.3)	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP8	5/24/2017	0.5	Fill/Refuse	ND (11)	–	ND (0.57)	**13**	ND (5.7)	ND (0.28)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Native Soil	ND (14)	–	ND (0.71)	**13**	ND (7.1)	ND (0.36)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.007)
PP9	5/24/2017	0	Fill/Refuse	ND (10)	–	ND (0.52)	**25**	ND (5.2)	ND (0.26)	–	–	–	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.005)
		10	Native Soil	ND (12)	–	ND (0.62)	**14**	ND (6.2)	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
Remedial Investigation (2018)																				
B-04	2/21/2018	12.5	Fill/Refuse	ND (13)	–	ND (0.64)	**16**	ND (6.4)	ND (0.32)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.006)
B-05	2/20/2018	7.5	Fill/Refuse	ND (12)	–	ND (0.60)	**430**	ND (6.0)	ND (0.30)	–	–	ND (0.060)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		12.5	Fill/Refuse	ND (13)	–	ND (0.63)	**11**	ND (6.3)	ND (0.32)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
B-06	2/22/2018	2.5	Fill/Refuse	ND (12)	–	**0.75**	**13**	**20**	ND (0.31)	–	–	ND (0.062)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Native Soil	ND (13)	–	ND (0.61)	**13**	ND (6.1)	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		12.5	Native Soil	ND (13)	–	ND (0.64)	**11**	ND (6.4)	ND (0.32)	–	–	ND (0.064)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
B-07	2/27/2018	2.5	Fill/Refuse	ND (12)	–	ND (0.58)	**15**	**6.0**	ND (0.29)	–	–	ND (0.058)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.029)
		7.5	Native Soil	ND (12)	–	ND (0.62)	**14**	ND (6.2)	ND (0.31)	–	–	ND (0.062)	ND (0.041)	ND (0.041)	ND (0.041)	ND (0.041)	ND (0.041)	ND (0.041)	ND (0.041)	ND (0.031)
		12.5	Native Soil	ND (13)	–	ND (0.66)	**10**	ND (6.6)	ND (0.33)	–	–	ND (0.066)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
B-08	2/26/2018	5	Native Soil	ND (14)	–	ND (0.69)	**16**	**6.9**	ND (0.35)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	ND (13)	–	ND (0.67)	**18**	ND (6.7)	ND (0.34)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
B-09	2/22/2018	5	Native Soil	ND (15)	–	ND (0.77)	**16**	**20**	ND (0.39)	–	–	–	ND (0.010)	ND (0.010)	**0.011**	ND (0.010)	**0.012**	ND (0.010)	ND (0.010)	**0.008**
		15	Native Soil	ND (16)	–	ND (0.78)	**24**	ND (7.8)	ND (0.39)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.008)
B-10	2/26/2018	7.5	Native Soil	ND (12)	–	ND (0.59)	**8.0**	ND (5.9)	ND (0.29)	–	–	ND (0.059)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
B-11	2/26/2018	2.5	Fill/Refuse	ND (13)	–	ND (0.65)	**16**	**15**	ND (0.32)	–	–	ND (0.26)	**0.016**	**0.019**	**0.053**	**0.014**	**0.035**	ND (0.009)	**0.017**	**0.030**
		12.5	Native Soil	ND (12)	–	ND (0.60)	**13**	ND (6.0)	ND (0.30)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
B-13	2/23/2018	7.5	Native Soil	ND (17)	–	ND (0.84)	**24**	**12**	ND (0.42)	–	–	–	ND (0.011)	ND (0.011)	**0.014**	ND (0.011)	**0.016**	ND (0.011)	ND (0.011)	**0.009**
		15	Native Soil	ND (13)	–	ND (0.66)	**8.9**	ND (6.6)	ND (0.33)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
B-14	2/21/2018	5	Fill/Refuse	ND (13)	–	ND (0.67)	**23**	**31**	ND (0.34)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		10	Native Soil	ND (12)	–	ND (0.62)	**17**	**33**	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
B-15	2/21/2018	5	Fill/Refuse	ND (17)	–	**1.3**	**35**	**75**	ND (0.43)	–	–	–	ND (0.012)	ND (0.012)	**0.014**	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	**0.010**
		7.5	Fill/Refuse	ND (15)	–	ND (0.76)	**31**	**49**	ND (0.38)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.008)
		15	Native Soil	ND (13)	–	ND (0.67)	**17**	ND (6.7)	ND (0.34)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
B-16	2/23/2018	2.5	Fill/Refuse	ND (14)	–	ND (0.71)	**18**	**9.2**	ND (0.36)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.007)
		7.5	Native Soil	ND (12)	–	**1.6**	**28**	**68**	ND (0.29)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		17.5	Native Soil	ND (13)	–	ND (0.66)	**16**	ND (6.6)	ND (0.33)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.067)
B-17	2/20/2018	10	Native Soil	ND (12)	–	ND (0.61)	**23**	ND (6.1)	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		15	Native Soil	ND (11)	–	ND (0.54)	**9.6**	ND (5.4)	ND (0.27)	–	–	–	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.006)
PP10	2/21/2018	11	Native Soil	ND (16)	–	ND (0.82)	**22**	**15**	ND (0.41)	–	–	–	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.008)
		17	Native Soil	ND (12)	–	ND (0.62)	**15**	ND (6.2)	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP11	2/28/2018	5	Fill/Refuse	**19**	**–**	**1.7**	**39**	**840**	**0.41**	**–**	**–**	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		10	Fill/Refuse	ND (13)	–	**0.72**	**36**	**480**	**1.2**	**–**	**–**	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP12	2/21/2018	2	Fill/Refuse	ND (12)	–	ND (0.62)	**15**	**8.8**	ND (0.31)	–	–	ND (0.062)	**0.008**	**0.015**	**0.016**	ND (0.008)	**0.014**	ND (0.008)	**0.012**	**0.020**
		7	Fill/Refuse	**16**	**–**	**4.1**	**31**	**500**	**0.76**	**–**	**–**	**0.29**	**0.010**	**0.011**	**0.014**	ND (0.010)	**0.013**	ND (0.010)	ND (0.010)	**0.015**
		10	Native Soil	ND (13)	–	ND (0.64)	**25**	**30**	ND (0.32)	–	–	ND (0.064)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
PP13	2/21/2018	10	Fill/Refuse	ND (12)	–	**3.5**	**29**	**330**	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP14	2/28/2018	5	Fill/Refuse	ND (12)	–	ND (0.62)	**12**	ND (6.2)	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		12	Native Soil	ND (13)	–	ND (0.65)	**11**	ND (6.5)	ND (0.32)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
PP15	2/21/2018	6	Fill/Refuse	ND (15)	–	**0.79**	**22**	**75**	ND (0.38)	–	–	ND (0.076)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.008)
		12	Native Soil	**24**	**–**	**1.0**	**34**	**270**	ND (0.30)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.060)
PP16	2/28/2018	1	Fill/Refuse	ND (11)	–	ND (0.53)	**20**	**17**	ND (0.27)	–	–	ND (0.053)	**0.20**	**0.058**	**0.086**	ND (0.036)	**0.060**	ND (0.036)	**0.036**	**0.094**
		11	Native Soil	ND (12)	–	**1.2**	**24**	**200**	ND (0.31)	–	–	–	**0.12**	**0.10**	**0.15**	**0.049**	**0.11**	**0.015**	**0.069**	**0.14**
PP17	2/28/2018	1	Fill/Refuse	**19**	**–**	**4.0**	**57**	**7,300**	ND (0.32)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		5	Fill/Refuse	ND (12)	–	**4.5**	**59**	**380**	ND (0.30)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Native Soil	ND (12)	–	**1.6**	**24**	**29**	ND (0.29)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP18	2/28/2018	3	Fill/Refuse	ND (12)	–	**2.4**	**63**	**130**	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		5	Fill/Refuse	ND (20)	–	**3.1**	**39**	**230**	ND (0.49)	–	–	–	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.010)
		10	Fill/Refuse	ND (13)	–	**1.2**	**40**	**97**	ND (0.33)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Total Metals by EPA 6010D/7471B (mg/kg)								Total PCBs by EPA 8082A	Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270D/SIM (mg/kg)							
				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Total PCBs	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(j,k) fluoranthene	Chrysene	Dibenz(a,h) anthracene	Indeno (1,2,3-cd) pyrene	Total cPAHs (TEQ)[b]
		Site Screening Level (mg/kg) [a]		***20***	***41***	***1.0***	***48***	***25***	***0.070***	***10***	***0.61***	***0.050***	***0.0067***	***0.010***	***0.012***	***0.012***	***0.0067***	***0.018***	***0.035***	***0.02***
PP19	2/21/2018	7	Fill/Refuse	ND (13)	–	ND (0.63)	**17**	**82**	ND (0.32)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Fill/Refuse	ND (12)	–	**0.95**	**30**	**340**	ND (0.29)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		15	Fill/Refuse	ND (12)	–	**3.2**	**17**	**96**	ND (0.30)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP20	2/28/2018	2	Fill/Refuse	ND (12)	–	ND (0.58)	**15**	**28**	ND (0.29)	–	–	ND (0.058)	**0.0080**	**0.013**	**0.023**	ND (0.0077)	**0.019**	ND (0.0077)	**0.013**	**0.018**
		5	Fill/Refuse	ND (15)	–	**3.7**	**53**	**630**	ND (0.37)	–	–	**0.74**	**0.23**	**0.22**	**0.20**	ND (0.098)	**0.37**	ND (0.098)	**0.12**	**0.29**
		10	Fill/Refuse	ND (13)	–	ND (0.64)	**22**	**270**	ND (0.32)	–	–	ND (0.064)	ND (0.043)	ND (0.043)	ND (0.043)	ND (0.043)	ND (0.043)	ND (0.043)	ND (0.043)	ND (0.032)
		15	Fill/Refuse	ND (14)	–	ND (0.70)	**15**	**330**	ND (0.35)	–	–	ND (0.070)	ND (0.046)	ND (0.046)	ND (0.046)	ND (0.046)	ND (0.046)	ND (0.046)	ND (0.046)	ND (0.035)
PP21	2/28/2018	2	Fill/Refuse	ND (13)	–	**0.90**	**30**	**740**	**0.87**	**–**	**–**	**0.52**	**0.076**	**0.062**	**0.11**	**0.033**	**0.097**	**0.010**	**0.040**	**0.090**
		6	Fill/Refuse	**17**	**–**	**27**	**74**	**2,800**	ND (0.51)	–	–	**0.27**	**0.14**	**0.13**	**0.22**	**0.077**	**0.18**	**0.024**	**0.11**	**0.19**
		10	Native Soil	ND (16)	–	**6.2**	**23**	**180**	ND (0.410	–	–	**1.33**	**0.90**	**0.85**	**1.3**	**0.30**	**1.0**	**0.19**	**0.71**	**1.2**
		15	Native Soil	ND (14)	–	ND (1.4)	**20**	ND (14)	ND (0.68)	–	–	ND (0.14)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.014)
PP22	2/21/2018	4	Fill/Refuse	ND (13)	–	ND (0.64)	**9.9**	ND (6.4)	ND (0.32)	–	–	–	**0.056**	**0.064**	**0.088**	**0.029**	**0.086**	**0.017**	**0.051**	**0.089**
		9	Fill/Refuse	ND (12)	–	ND (0.61)	**9.9**	ND (6.1)	ND (0.31)	–	–	–	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.004)	ND (0.006)
		13	Fill/Refuse	ND (12)	–	**2.4**	**36**	**270**	ND (0.29)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP23	2/28/2018	2	Fill/Refuse	ND (12)	–	ND (0.59)	**19**	**460**	ND (0.29)	–	–	ND (0.059)	**0.012**	**0.011**	**0.017**	ND (0.0078)	**0.017**	ND (0.0078)	**0.0082**	**0.0059**
		5	Fill/Refuse	ND (11)	–	ND (0.55)	**15**	**97**	ND (0.27)	–	–	–	**0.18**	**0.044**	**0.10**	ND (0.015)	**0.044**	**0.019**	**0.026**	**0.078**
		10	Native Soil	ND (13)	–	ND (0.67)	**13**	ND (6.7)	ND (0.34)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		15	Native Soil	ND (15)	–	ND (0.76)	**18**	**220**	ND (0.38)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.008)
PP24	2/28/2018	7	Fill/Refuse	ND (14)	–	**2.3**	**18**	**480**	ND (0.35)	–	–	ND (0.069)	ND (0.018)	ND (0.018)	**0.031**	ND (0.018)	**0.035**	ND (0.018)	ND (0.018)	**0.016**
		10	Native Soil	ND (12)	–	ND (0.58)	**10**	ND (5.8)	ND (0.29)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP25	2/21/2018	7	Fill/Refuse	ND (14)	–	ND (0.68)	**13**	**8.8**	ND (0.34)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		13	Fill/Refuse	ND (17)	–	**1.9**	**38**	**140**	ND (0.42)	–	–	**1.36**	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	**0.012**	ND (0.011)	ND (0.011)	**0.008**
		17	Native Soil	ND (19)	–	ND (0.93)	**28**	ND (9.3)	ND (0.47)	–	–	ND (0.093)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.009)
PP26	2/21/2018	11	Fill/Refuse	ND (12)	–	ND (0.58)	**21**	ND (5.8)	ND (0.29)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		17	Native Soil	ND (15)	–	ND (0.77)	**15**	ND (7.7)	ND (0.39)	–	–	–	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.008)
PP27	2/28/2018	7	Fill/Refuse	ND (15)	–	**0.88**	**28**	**180**	ND (0.36)	–	–	–	**0.036**	**0.038**	**0.049**	**0.014**	**0.051**	ND (0.0097)	**0.025**	**0.051**
		10	Fill/Refuse	ND (12)	–	ND (0.61)	**12**	ND (6.1)	ND (0.30)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP28	3/1/2018	8	Fill/Refuse	ND (13)	–	ND (0.63)	**25**	**49**	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Native Soil	ND (12)	–	ND (0.62)	**23**	**6.8**	ND (0.31)	–	–	–	**0.011**	**0.010**	**0.0084**	ND (0.0083)	**0.011**	ND (0.0083)	ND (0.0083)	**0.013**
PP29	3/1/2018	3	Fill/Refuse	ND (11)	–	ND (0.56)	**25**	**8.8**	ND (0.28)	–	–	–	ND (0.0038)	ND (0.0038)	ND (0.0038)	ND (0.0038)	ND (0.0038)	ND (0.0038)	ND (0.0038)	ND (0.029)
		5	Fill/Refuse	ND (13)	–	ND (0.66)	**15**	ND (6.5)	ND (0.32)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
		10	Native Soil	ND (13)	–	ND (0.66)	**16**	ND (6.6)	ND (0.33)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
PP30	2/28/2018	5	Fill/Refuse	ND (13)	–	**0.83**	**16**	**31**	ND (0.32)	–	–	ND (0.064)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.064)
		10	Native Soil	ND (11)	–	ND (0.57)	**14**	ND (5.7)	ND (0.28)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP31	3/1/2018	3	Fill/Refuse	ND (11)	–	ND (0.56)	**21**	**12**	ND (0.28)	–	–	–	ND (0.008)	ND (0.008)	**0.0093**	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	**0.006**
		11	Native Soil	ND (12)	–	ND (0.62)	**12**	ND (6.2)	ND (0.31)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP32	3/1/2018	4	Fill/Refuse	ND (12)	–	ND (0.62)	**16**	**12**	ND (0.31)	–	–	–	**0**.010	**0.011**	**0.024**	ND (0.008)	**0.015**	ND (0.008)	**0.0095**	**0.016**
		7	Fill/Refuse	ND (12)	–	ND (0.61)	**15**	**15**	ND (0.31)	–	–	ND (0.061)	**0.038**	**0.036**	**0.051**	**0.013**	**0.055**	**0.009**	**0.025**	**0.050**
		10	Native Soil	ND (12)	–	ND (0.61)	**20**	ND (6.1)	ND (0.31)	–	–	ND (0.061)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
PP33	3/1/2018	3	Fill/Refuse	ND (11)	–	ND (0.56)	**17**	**8.1**	ND (0.28)	–	–	ND (0.056)	ND (0.075)	ND (0.075)	**0.14**	ND (0.075)	**0.19**	ND (0.075)	ND (0.075)	**0.068**
		5	Fill/Refuse	ND (12)	–	ND (0.59)	**19**	**7.3**	ND (0.30)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		10	Native Soil	ND (13)	–	ND (0.67)	**13**	ND (6.7)	ND (0.34)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
PP34	2/21/2018	8	Fill/Refuse	ND (12)	–	ND (0.61)	**12**	**6.1**	ND (0.30)	–	–	–	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.006)
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
Supplemental Remedial Investigation (2018)																				
MW-10	12/17/18	4	Fill/Refuse	ND (15)	–	ND (0.73)	**29**	**21**	ND (0.36)	–	–	ND (0.073)	**0.012**	**0.016**	**0.021**	ND (0.005)	**0.022**	ND (0.005)	**0.012**	**0.022**
		7	Fill/Refuse	–	–	–	–	–	–	–	–	**0.13**	–	–	–	–	–	–	–	–
MW-11	12/17/18	4	Fill/Refuse	ND (12)	–	ND (0.58)	**31**	**32**	ND (0.29)	–	–	ND (0.058)	**0.040**	**0.049**	**0.060**	**0.020**	**0.051**	**0.009**	**0.037**	**0.066**
		6.5	Native Soil	ND (12)	–	ND (0.58)	**9.9**	ND (5.8)	ND (0.29)	–	–	ND (0.058)	ND (0.008)	**0.065**	**0.020**	ND (0.008)	ND (0.008)	**0.008**	**0.037**	**0.07**
MW-12	12/17/18	3	Fill/Refuse	ND (13)	–	ND (0.66)	**11**	ND (6.6)	ND (0.33)	–	–	–	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.007)
PP35	12/20/2018	4	Fill/Refuse	ND (12)	–	**1.3**	**38**	**580**	**0.31**	**–**	**–**	**0.23**	**0.19**	**0.35**	**0.38**	**0.11**	**0.24**	**0.053**	**0.26**	**0.452**
		7.5	Fill/Refuse	ND (12)	–	ND (0.60)	**26**	**28**	ND (0.30)	–	–	ND (0.060)	**0.23**	**0.084**	**0.12**	**0.062**	**0.83**	**0.015**	**0.045**	**0.141**
PP36	12/20/2018	1	Fill/Refuse	ND (12)	–	ND (0.60)	**38**	**9.9**	ND (0.30)	–	–	ND (0.060)	**0.010**	**0.016**	**0.017**	ND (0.008)	**0.019**	ND (0.008)	**0.012**	**0.021**
		5	Fill/Refuse	ND (13)	–	ND (0.63)	**36**	**11**	ND (0.32)	–	–	ND (0.063)	ND (0.017)	**0.018**	**0.020**	ND (0.017)	**0.026**	ND (0.017)	ND (0.017)	**0.024**
PP37	12/20/2018	1.5	Fill/Refuse	ND (11)	–	ND (0.57)	**21**	**10**	ND (0.28)	–	–	ND (0.057)	**0.014**	**0.016**	**0.019**	ND (0.008)	**0.020**	ND (0.008)	**0.011**	**0.028**
		5	Fill/Refuse	–	–	–	–	–	–	–	–	ND (0.062)	**0.60**	**0.57**	**0.76**	**0.24**	**0.64**	**0.086**	**0.42**	**0.787**
Second Supplemental Remedial Investigation																				
PP38	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP39	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP40	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP41	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		4	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP42	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP43	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Total Metals by EPA 6010D/7471B (mg/kg)								Total PCBs by EPA 8082A	Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA 8270D/SIM (mg/kg)							
				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Total PCBs	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(j,k) fluoranthene	Chrysene	Dibenz(a,h) anthracene	Indeno (1,2,3-cd) pyrene	Total cPAHs (TEQ)[b]
Site Screening Level (mg/kg) [a]				***20***	***41***	***1.0***	***48***	***25***	***0.070***	***10***	***0.61***	***0.050***	***0.0067***	***0.010***	***0.012***	***0.012***	***0.0067***	***0.018***	***0.035***	***0.02***
PP44	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP45	5/8/2023	1.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-13	5/5/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-14	5/5/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Values shown in **bold** are detected above the laboratory reporting limit.
Values shown in **bold and shaded** are detected at or above the Site Screening Level.
a = Site Screening Levels from Remedial Investigation Report, 2019.
b = Total carcinogenic polycyclic aromatic hydrocarbons (cPAHs) toxicity equivalency (TEQ) concentration is calculated using one-half the reporting limit for compounds that were not detected above the reporting limit.
All analytical values shown in milligrams per kilogram (mg/kg).
Sample depth is shown in feet below ground surface (ft bgs).
ND = Not detected at or above the laboratory reporting limits (RL) (shown in parentheses).
DCE = Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
TMB = Trimethylbenzene
– = Not analyzed or not applicable.
NA = Not available.
dup = field duplicate

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Semi-Volatile Organic Compounds by EPA 8270D/SIM (mg/kg)																	
				Acenapthene	Acenaph-thylene	Anthracene	Benzyl Alcohol	Bis (2-Ethylhexyl Phthalate	Butyl Benzyl-phthalate	Dibutyl Phthalate	Di-N-Octyl Phthalate	Fluoranthene	Fluorene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	4-Nitrophenol	p-Cresol	Pentachloro-phenol	Phenanthrene	Phenol	Pyrene
	Site Screening Level (mg/kg) [a]			*0.16*	*NA*	*7.1*	*NA*	*0.11*	*0.033*	*0.17*	*800*	*0.30*	*0.080*	*0.24*	*0.24*	*0.24*	*NA*	*8,000*	*0.17*	*0.0067*	*0.76*	*0.55*
Phase II Investigation (2015)																					
GP-1-15	9/17/2015	5.0	Native Soil	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.553)	ND (0.111)	ND (0.111)	ND (0.089)	ND (0.221)	ND (0.089)
		13.5	Native Soil	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.126)	ND (0.126)	ND (0.126)	ND (0.126)	ND (0.126)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.630)	ND (0.126)	ND (0.126)	ND (0.101)	ND (0.252)	ND (0.101)
GP-2-15	9/17/2015	4.5	Native Soil	ND (0.086)	ND (0.086)	**0.0909**	ND (0.108)	ND (0.108)	ND (0.108)	**0.133**	ND (0.108)	**0.127**	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.538)	ND (0.108)	**0.197**	ND (0.086)	ND (0.215)	**0.157**
		14.0	Native Soil	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.116)	ND (0.116)	ND (0.116)	ND (0.116)	ND (0.116)	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.093)	ND (0.578)	ND (0.116)	ND (0.116)	ND (0.093)	ND (0.231)	ND (0.093)
GP-3-15	9/17/2015	9.0	Fill/Refuse	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.119)	ND (0.119)	ND (0.119)	ND (0.119)	ND (0.119)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.594)	ND (0.119)	ND (0.119)	ND (0.095)	ND (0.238)	ND (0.095)
		12.5	Native Soil	ND (0.156)	ND (0.156)	ND (0.156)	ND (0.195)	ND (0.195)	ND (0.195)	ND (0.195)	ND (0.195)	ND (0.156)	ND (0.156)	ND (0.156)	ND (0.156)	ND (0.156)	ND (0.974)	ND (0.195)	ND (0.195)	ND (0.156)	ND (0.389)	ND (0.156)
GP-4-15	9/17/2015	5.0	Fill/Refuse	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.113)	ND (0.113)	ND (0.113)	**0.12**	ND (0.113)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.566)	ND (0.113)	ND (0.113)	ND (0.091)	ND (0.226)	ND (0.091)
		13.0	Native Soil	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.120)	ND (0.120)	ND (0.120)	ND (0.120)	ND (0.120)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.602)	ND (0.120)	ND (0.120)	ND (0.096)	ND (0.241)	ND (0.096)
GP-5-15	9/17/2015	5.0	Fill/Refuse	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.114)	ND (0.114)	ND (0.114)	**0.28**	ND (0.114)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.571)	ND (0.114)	ND (0.114)	ND (0.091)	ND (0.228)	ND (0.091)
		13.0	Native Soil	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.586)	ND (0.117)	ND (0.117)	ND (0.094)	ND (0.234)	ND (0.094)
		13 dup	Native Soil	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.112)	ND (0.112)	ND (0.112)	ND (0.112)	ND (0.112)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.560)	ND (0.112)	ND (0.112)	ND (0.090)	ND (0.224)	ND (0.090)
GP-6-15	9/17/2015	7.5	Fill/Refuse	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.169)	ND (0.169)	ND (0.169)	**0.17**	ND (0.169)	**0.15**	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.843)	ND (0.169)	ND (0.169)	ND (0.135)	ND (0.337)	**0.29**
		14.0	Native Soil	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.122)	ND (0.122)	ND (0.122)	ND (0.122)	ND (0.122)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.608)	ND (0.122)	ND (0.122)	ND (0.097)	ND (0.243)	ND (0.097)
GP-7-15	9/17/2015	5.0	Fill/Refuse	ND (0.083)	ND (0.083)	ND (0.083)	ND (0.103)	ND (0.103)	ND (0.103)	ND (0.103)	ND (0.103)	ND (0.083)	ND (0.083)	ND (0.083)	ND (0.083)	ND (0.083)	ND (0.517)	ND (0.103)	ND (0.103)	ND (0.083)	ND (0.207)	ND (0.083)
		14.0	Native Soil	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.576)	ND (0.115)	ND (0.115)	ND (0.092)	ND (0.230)	ND (0.092)
GP-8-15	9/17/2015	5.0	Fill/Refuse	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.119)	ND (0.119)	ND (0.119)	**0.13**	ND (0.119)	**0.11**	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.594)	ND (0.119)	ND (0.119)	ND (0.095)	ND (0.237)	**0.11**
		14.5	Native Soil	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.136)	ND (0.136)	ND (0.136)	ND (0.136)	ND (0.136)	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.681)	ND (0.136)	ND (0.136)	ND (0.109)	ND (0.272)	ND (0.109)
		14.5 dup	Native Soil	ND (0.103)	ND (0.103)	ND (0.103)	ND (0.129)	ND (0.129)	ND (0.129)	ND (0.129)	ND (0.129)	ND (0.103)	ND (0.103)	ND (0.103)	ND (0.103)	ND (0.103)	ND (0.643)	ND (0.129)	ND (0.129)	ND (0.103)	ND (0.257)	ND (0.103)
GP-9-15	9/17/2015	5.0	Fill/Refuse	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.119)	ND (0.119)	ND (0.119)	ND (0.119)	ND (0.119)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.595)	ND (0.119)	ND (0.119)	ND (0.095)	ND (0.238)	ND (0.095)
		12.5	Native Soil	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.68)	ND (0.135)	ND (0.135)	ND (0.108)	ND (0.270)	ND (0.108)
GP-10-15	9/17/2015	4.5	Fill/Refuse	**29.2**	**0.13**	**106**	ND (0.138)	**1.6**	ND (0.138)	ND (0.138)	**0.18**	**365**	**37.5**	**3.1**	**6.1**	**4.4**	**1.4**	ND (0.138)	ND (0.138)	**317**	ND (0.276)	**345**
		13.0	Native Soil	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.127)	ND (0.127)	ND (0.127)	ND (0.127)	ND (0.127)	**0.11**	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.101)	ND (0.633)	ND (0.127)	ND (0.127)	ND (0.101)	ND (0.253)	ND (0.101)
GP-11-15	9/17/2015	4.5	Fill/Refuse	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.106)	ND (0.106)	ND (0.106)	ND (0.106)	ND (0.106)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.528)	ND (0.106)	ND (0.106)	ND (0.085)	ND (0.211)	ND (0.085)
		14.5	Native Soil	ND (0.144)	ND (0.144)	ND (0.144)	ND (0.180)	ND (0.180)	ND (0.180)	ND (0.180)	ND (0.180)	**0.19**	ND (0.144)	ND (0.144)	ND (0.144)	ND (0.144)	ND (0.899)	ND (0.180)	ND (0.180)	ND (0.144)	ND (0.360)	**0.19**
GP-12-15	9/18/2015	4.0	Fill/Refuse	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.118)	ND (0.118)	ND (0.118)	ND (0.118)	ND (0.118)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.592)	ND (0.118)	ND (0.118)	ND (0.095)	ND (0.237)	ND (0.095)
		13.5	Native Soil	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.124)	ND (0.124)	ND (0.124)	ND (0.124)	ND (0.124)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.622)	ND (0.124)	ND (0.124)	ND (0.100)	ND (0.249)	ND (0.100)
GP-13-15	9/21/2015	4.5	Fill/Refuse	ND (0.087)	ND (0.087)	ND (0.087)	ND (0.109)	**0.17**	ND (0.109)	ND (0.109)	ND (0.109)	**0.14**	ND (0.087)	ND (0.087)	ND (0.087)	ND (0.087)	ND (0.546)	ND (0.109)	ND (0.109)	ND (0.087)	ND (0.218)	**0.13**
		13.5	Native Soil	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.139)	ND (0.139)	ND (0.139)	ND (0.139)	ND (0.139)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.00002)	ND (0.693)	ND (0.139)	ND (0.139)	ND (0.111)	ND (0.277)	ND (0.111)
GP-14-15	9/21/2015	3.5	Fill/Refuse	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.115)	**0.12**	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.00002)	ND (0.576)	ND (0.115)	ND (0.115)	ND (0.092)	ND (0.231)	ND (0.092)
		13.5	Native Soil	ND (0.146)	ND (0.146)	ND (0.146)	ND (0.182)	**0.25**	ND (0.182)	ND (0.182)	ND (0.182)	ND (0.146)	ND (0.146)	ND (0.146)	ND (0.146)	ND (0.00004)	ND (0.910)	ND (0.182)	ND (0.182)	ND (0.146)	ND (0.364)	ND (0.146)
		13.5 dup	Native Soil	ND (0.114)	ND (0.114)	ND (0.114)	ND (0.142)	ND (0.142)	ND (0.142)	ND (0.142)	ND (0.142)	ND (0.114)	ND (0.114)	ND (0.114)	ND (0.114)	ND (0.110)	ND (0.711)	ND (0.142)	ND (0.142)	ND (0.114)	ND (0.284)	ND (0.114)
GP-15-15	9/21/2015	6.0	Fill/Refuse	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.146)	**0.15**	ND (0.146)	ND (0.146)	ND (0.146)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.117)	ND (0.00003)	ND (0.732)	ND (0.146)	ND (0.146)	ND (0.117)	ND (0.293)	ND (0.117)
		14.0	Native Soil	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.134)	ND (0.134)	ND (0.134)	ND (0.134)	ND (0.134)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.00002)	ND (0.672)	ND (0.134)	ND (0.134)	ND (0.108)	ND (0.269)	ND (0.108)
GP-16-15	9/21/2015	8	Native Soil	ND (0.133)	ND (0.133)	ND (0.133)	ND (0.166)	**2.5**	**0.17**	ND (0.166)	ND (0.166)	**0.15**	ND (0.133)	ND (0.133)	ND (0.133)	ND (0.133)	ND (0.831)	ND (0.166)	ND (0.166)	ND (0.133)	ND (0.333)	**0.19**
		13.5	Native Soil	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.121)	ND (0.121)	ND (0.121)	ND (0.121)	ND (0.121)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.605)	ND (0.121)	ND (0.121)	ND (0.097)	ND (0.242)	ND (0.097)
GP-17-15	9/21/2015	7	Native Soil	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.139)	ND (0.139)	ND (0.139)	ND (0.139)	ND (0.139)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.111)	ND (0.694)	ND (0.139)	ND (0.139)	ND (0.111)	ND (0.278)	**0.13**
		14.5	Native Soil	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.113)	ND (0.113)	ND (0.113)	ND (0.113)	ND (0.113)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.566)	ND (0.113)	ND (0.113)	ND (0.091)	ND (0.226)	ND (0.091)
		7 dup	Native Soil	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.124)	**1.09**	ND (0.124)	ND (0.124)	ND (0.124)	**0.13**	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.622)	ND (0.124)	ND (0.124)	ND (0.100)	ND (0.249)	**0.14**
GP-18-15	9/21/2015	3	Native Soil	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.107)	ND (0.107)	ND (0.107)	ND (0.107)	**0.17**	**0.11**	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.533)	ND (0.107)	ND (0.107)	ND (0.085)	ND (0.213)	**0.12**
		14	Native Soil	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.119)	**0.38**	ND (0.119)	ND (0.119)	ND (0.119)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.596)	ND (0.119)	ND (0.119)	ND (0.095)	ND (0.238)	ND (0.095)
GP-19-15	9/21/2015	5	Native Soil	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.108)	ND (0.108)	**0.27**	ND (0.108)	ND (0.108)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.539)	ND (0.108)	ND (0.108)	ND (0.086)	ND (.216)	ND (0.086)
		14.5	Native Soil	ND (0.102)	ND (0.102)	ND (0.102)	ND (0.128)	ND (0.128)	ND (0.128)	ND (0.128)	ND (0.128)	ND (0.102)	ND (0.102)	ND (0.102)	ND (0.102)	ND (0.102)	ND (0.638)	ND (0.128)	ND (0.128)	ND (0.102)	ND (0.255)	ND (0.102)
GP-20-15	9/21/2015	5.5	Native Soil	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.106)	**0.21**	ND (0.106)	ND (0.106)	ND (0.106)	**0.096**	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.085)	ND (0.530)	ND (0.106)	ND (0.106)	ND (0.085)	ND (0.212)	**0.09**
		14	Native Soil	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.575)	ND (0.115)	ND (0.115)	ND (0.092)	ND (0.230)	ND (0.092)
GP-21-15	9/21/2015	4	Native Soil	ND (0.091)	ND (0.091)	**0.13**	ND (0.114)	**2.76**	**0.18**	ND (0.114)	ND (0.114)	**0.25**	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.571)	ND (0.114)	ND (0.114)	**0.11**	**0.57**	**0.23**
		14	Native Soil	ND (0.092)	ND (0.092)	**0.15**	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.115)	**0.13**	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.575)	ND (0.115)	ND (0.115)	**0.13**	ND (0.230)	**0.11**
GP-22-15	9/22/2015	1.5	Native Soil	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.086)	ND (0.540)	ND (0.108)	ND (0.108)	ND (0.086)	ND (0.216)	ND (0.086)
		3	Native Soil	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.115)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.092)	ND (0.575)	ND (0.115)	ND (0.115)	ND (0.092)	ND (0.230)	ND (0.092)
		3.0 dup	Native Soil	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.113)	ND (0.113)	ND (0.113)	ND (0.113)	ND (0.113)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.090)	ND (0.565)	ND (0.113)	ND (0.113)	ND (0.090)	ND (0.226)	ND (0.090)
MW-1-15	9/18/2015	6	Native Soil	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.118)	ND (0.118)	ND (0.118)	ND (0.118)	ND (0.118)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.590)	ND (0.118)	ND (0.118)	ND (0.094)	ND (0.236)	ND (0.094)
		12	Native Soil	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.122)	ND (0.122)	ND (0.122)	ND (0.122)	ND (0.122)	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.612)	ND (0.122)	ND (0.122)	ND (0.098)	ND (0.245)	ND (0.098)
MW-2-15	9/18/2015	3	Native Soil	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.114)	**0.12**	ND (0.114)	ND (0.114)	ND (0.114)	**0.16**	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.570)	ND (0.114)	ND (0.114)	ND (0.091)	ND (0.228)	**0.15**
		13	Native Soil	ND (0.152)	ND (0.152)	ND (0.152)	ND (0.190)	**0.33**	ND (0.190)	ND (0.190)	ND (0.190)	ND (0.152)	ND (0.152)	ND (0.152)	ND (0.152)	ND (0.152)	ND (0.952)	ND (0.190)	ND (0.190)	ND (0.152)	ND (0.381)	ND (0.152)
MW-3-15	9/18/2015	6.5	Native Soil	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.124)	ND (0.124)	ND (0.124)	ND (0.124)	ND (0.124)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.618)	ND (0.124)	ND (0.124)	ND (0.099)	ND (0.247)	ND (0.099)
		15	Native Soil	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.135)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.108)	ND (0.618)	ND (0.135)	ND (0.135)	ND (0.108)	ND (0.270)	ND (0.108)
MW-4-15	9/22/2015	6	Native Soil	**0.093**	ND (0.092)	**0.84**	ND (0.114)	ND (0.114)	ND (0.114)	**0.14**	ND (0.114)	**0.47**	**0.18**	**0.18**	**0.16**	ND (0.092)	**0.8**	ND (0.114)	ND (0.114)	**0.82**	ND (0.229)	**0.72**
		14.5	Native Soil	ND (0.123)	ND (0.123)	ND (0.123)	ND (0.154)	ND (0.154)	ND (0.154)	ND (0.154)	ND (0.154)	ND (0.123)	ND (0.123)	ND (0.123)	ND (0.123)	ND (0.123)	ND (0.0445)	ND (0.154)	ND (0.154)	ND (0.123)	ND (0.308)	ND (0.123)
MW-5-15	9/22/2015	5	Native Soil	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.120)	ND (0.120)	ND (0.120)	**0.14**	ND (0.120)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.096)	ND (0.036)	ND (0.120)	ND (0.120)	ND (0.096)	ND (0.241)	ND (0.096)
		12.5	Native Soil	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.121)	ND (0.121)	ND (0.121)	**0.15**	ND (0.121)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.097)	ND (0.038)	ND (0.121)	ND (0.121)	ND (0.097)	ND (0.241)	ND (0.097)
MW-6-15	9/22/2015	5.5	Native Soil	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.111)	ND (0.111)	ND (0.111)	**0.13**	ND (0.111)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.089)	ND (0.553)	ND (0.111)	ND (0.111)	ND (0.089)	ND (0.221)	ND (0.089)
		5.5 dup	Native Soil	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.118)	ND (0.118)	ND (0.118)	**0.16**	ND (0.118)	**0.11**	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.594)	ND (0.118)	ND (0.118)	ND (0.095)	ND (0.235)	ND (0.095)
		14	Native Soil	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.119)	ND (0.119)	ND (0.119)	**0.14**	ND (0.119)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.094)	ND (0.588)	ND (0.119)	ND (0.119)	ND (0.094)	ND (0.238)	ND (0.094)
TP-1-15	9/23/2015	5.5	Native Soil	ND (0.110)	ND (0.110)	ND (0.110)	ND (0.138)	ND (0.138)	ND (0.138)	**0.31**	ND (0.138)	ND (0.110)	ND (0.110)	ND (0.110)	ND (0.110)	ND (0.110)	**0.041**	ND (0.138)	ND (0.138)	ND (0.110)	ND (0.276)	ND (0.110)
TP-3-15	9/23/2015	6.0	Fill/Refuse	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.122)	ND (0.122)	ND (0.122)	**0.14**	ND (0.122)	**0.15**	ND (0.098)	ND (0.098)	ND (0.098)	ND (0.098)	**0.049**	ND (0.122)	ND (0.122)	ND (0.098)	ND (0.244)	**0.14**

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Semi-Volatile Organic Compounds by EPA 8270D/SIM (mg/kg)																	
				Acenapthene	Acenaph-thylene	Anthracene	Benzyl Alcohol	Bis (2-Ethylhexyl) Phthalate	Butyl Benzyl-phthalate	Dibutyl Phthalate	Di-N-Octyl Phthalate	Fluoranthene	Fluorene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	4-Nitrophenol	p-Cresol	Pentachloro-phenol	Phenanthrene	Phenol	Pyrene
	Site Screening Level (mg/kg) [a]			*0.16*	*NA*	*7.1*	*NA*	*0.11*	*0.033*	*0.17*	*800*	*0.30*	*0.080*	*0.24*	*0.24*	*0.24*	*NA*	*8,000*	*0.17*	*0.0067*	*0.76*	*0.55*
Environmental Investigation (2017)																						
PP1	5/23/2017	2.0	Fill/Refuse	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.210)	**0.052**	ND (0.041)	ND (0.21)	ND (0.041)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.041)	ND (0.041)	ND (0.21)	ND (0.008)	ND (0.041)	ND (0.008)
		10	Native Soil	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.220)	ND (0.045)	ND (0.045)	ND (0.22)	ND (0.045)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.045)	ND (0.045)	ND (0.22)	ND (0.009)	ND (0.045)	ND (0.009)
PP2	5/23/2017	2.5	Native Soil	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.220)	ND (0.044)	ND (0.044)	ND (0.22)	ND (0.044)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.044)	ND (0.044)	ND (0.22)	ND (0.009)	ND (0.044)	ND (0.009)
		10	Native Soil	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.240)	ND (0.048)	ND (0.048)	ND (0.24)	ND (0.048)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.048)	ND (0.048)	ND (0.24)	ND (0.010)	ND (0.048)	ND (0.010)
PP3	5/24/2017	2.5	Fill/Refuse	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.210)	ND (0.042)	ND (0.042)	ND (0.21)	ND (0.042)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.042)	ND (0.042)	ND (0.21)	ND (0.008)	ND (0.042)	ND (0.008)
		10	Native Soil	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.210)	ND (0.041)	ND (0.041)	ND (0.21)	ND (0.041)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.041)	ND (0.041)	ND (0.21)	ND (0.008)	ND (0.041)	ND (0.008)
PP4	5/24/2017	3.0	Fill/Refuse	ND (0.008)	ND (0.008)	**0.009**	ND (0.210)	ND (0.042)	ND (0.042)	ND (0.21)	ND (0.042)	**0.042**	ND (0.008)	ND (0.008)	**0.017**	ND (0.008)	ND (0.042)	ND (0.042)	ND (0.21)	**0.028**	ND (0.042)	**0.046**
		10	Native Soil	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.210)	ND (0.041)	ND (0.041)	ND (0.21)	ND (0.041)	ND (0.008)	ND (0.008)	ND (0.008)	**0.010**	ND (0.008)	ND (0.041)	ND (0.041)	ND (0.21)	**0.011**	ND (0.041)	ND (0.008)
PP5	5/23/2017	2.5	Fill/Refuse	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.220)	ND (0.044)	ND (0.044)	ND (0.22)	ND (0.044)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.044)	ND (0.044)	ND (0.22)	ND (0.009)	ND (0.044)	ND (0.009)
		10	Native Soil	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.220)	ND (0.045)	ND (0.045)	ND (0.22)	ND (0.045)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.009)	ND (0.045)	ND (0.045)	ND (0.22)	ND (0.009)	ND (0.045)	ND (0.009)
PP6	5/23/2017	2.0	Fill/Refuse	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.190)	ND (0.039)	ND (0.039)	ND (0.19)	ND (0.039)	**0.013**	ND (0.008)	ND (0.008)	ND (0.010)	ND (0.008)	ND (0.039)	ND (0.039)	ND (0.19)	ND (0.008)	ND (0.039)	**0.015**
		10	Native Soil	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.250)	ND (0.050)	ND (0.050)	ND (0.25)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.008)	ND (0.010)	ND (0.050)	ND (0.050)	ND (0.25)	ND (0.010)	ND (0.050)	ND (0.010)
PP7	5/24/2017	0	Fill/Refuse	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.200)	ND (0.041)	ND (0.041)	ND (0.20)	ND (0.041)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.041)	ND (0.041)	ND (0.20)	ND (0.008)	ND (0.041)	ND (0.008)
		10	Native Soil	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.210)	ND (0.042)	ND (0.042)	ND (0.21)	ND (0.042)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.042)	ND (0.042)	ND (0.21)	ND (0.008)	ND (0.042)	ND (0.008)
PP8	5/24/2017	0.5	Fill/Refuse	ND (0.008)	ND (0.008)	ND (0.008)	**0.70**	ND (0.038)	ND (0.038)	ND (0.19)	ND (0.038)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.009)	ND (0.008)	ND (0.038)	ND (0.038)	ND (0.19)	ND (0.008)	ND (0.038)	ND (0.008)
		10	Native Soil	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.240)	ND (0.047)	ND (0.047)	ND (0.24)	ND (0.047)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.009)	ND (0.010)	ND (0.047)	ND (0.047)	ND (0.24)	ND (0.010)	ND (0.047)	ND (0.010)
PP9	5/24/2017	0	Fill/Refuse	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.170)	ND (0.035)	ND (0.035)	ND (0.17)	ND (0.035)	ND (0.007)	ND (0.007)	ND (0.007)	ND (0.010)	ND (0.007)	ND (0.035)	ND (0.035)	ND (0.17)	ND (0.007)	ND (0.035)	ND (0.007)
		10	Native Soil	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.210)	ND (0.041)	ND (0.041)	ND (0.21)	ND (0.041)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.008)	ND (0.041)	ND (0.041)	ND (0.21)	ND (0.008)	ND (0.041)	ND (0.008)
Remedial Investigation (2018)																						
B-04	2/21/2018	12.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-05	2/20/2018	7.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-06	2/22/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-07	2/27/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-08	2/26/2018	5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-09	2/22/2018	5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-10	2/26/2018	7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-11	2/26/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-13	2/23/2018	7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-14	2/21/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-15	2/21/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-16	2/23/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-17	2/20/2018	10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP10	2/21/2018	11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP11	2/28/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP12	2/21/2018	2	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP13	2/21/2018	10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP14	2/28/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP15	2/21/2018	6	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP16	2/28/2018	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP17	2/28/2018	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP18	2/28/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Semi-Volatile Organic Compounds by EPA 8270D/SIM (mg/kg)																	
				Acenapthene	Acenaph-thylene	Anthracene	Benzyl Alcohol	Bis (2-Ethylhexyl) Phthalate	Butyl Benzyl-phthalate	Dibutyl Phthalate	Di-N-Octyl Phthalate	Fluoranthene	Fluorene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	4-Nitrophenol	p-Cresol	Pentachloro-phenol	Phenanthrene	Phenol	Pyrene
	Site Screening Level (mg/kg) [a]			*0.16*	*NA*	*7.1*	*NA*	*0.11*	*0.033*	*0.17*	*800*	*0.30*	*0.080*	*0.24*	*0.24*	*0.24*	*NA*	*8,000*	*0.17*	*0.0067*	*0.76*	*0.55*
PP19	2/21/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP20	2/28/2018	2	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP21	2/28/2018	2	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP22	2/21/2018	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		13	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP23	2/28/2018	2	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP24	2/28/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP25	2/21/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		13	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP26	2/21/2018	11	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP27	2/28/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP28	3/1/2018	8	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP29	3/1/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP30	2/28/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP31	3/1/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP32	3/1/2018	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP33	3/1/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP34	2/21/2018	8	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Supplemental Remedial Investigation (2018)																						
MW-10	12/17/18	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-11	12/17/18	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-12	12/17/18	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP35	12/20/2018	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP36	12/20/2018	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP37	12/20/2018	1.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Second Supplemental Remedial Investigation																						
PP38	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP39	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP40	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP41	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		4	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP42	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP43	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Semi-Volatile Organic Compounds by EPA 8270D/SIM (mg/kg)																	
				Acenapthene	Acenaph-thylene	Anthracene	Benzyl Alcohol	Bis (2-Ethylhexyl) Phthalate	Butyl Benzyl-phthalate	Dibutyl Phthalate	Di-N-Octyl Phthalate	Fluoranthene	Fluorene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	4-Nitrophenol	p-Cresol	Pentachloro-phenol	Phenanthrene	Phenol	Pyrene
	Site Screening Level (mg/kg) [a]			***0.16***	***NA***	***7.1***	***NA***	***0.11***	***0.033***	***0.17***	***800***	***0.30***	***0.080***	***0.24***	***0.24***	***0.24***	***NA***	***8,000***	***0.17***	***0.0067***	***0.76***	***0.55***
PP44	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP45	5/8/2023	1.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-13	5/5/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-14	5/5/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Values shown in **bold** are detected above the laboratory reporting limit.
Values shown in **bold and shaded** are detected at or above the Site Screening Level.
a = Site Screening Levels from Remedial Investigation Report, 2019.
b = Total carcinogenic polycyclic aromatic hydrocarbons (cPAHs) toxicity equivalency (TEQ) concentration is calculated using one-half the reporting limit for compounds that were not detected above the reporting limit.
All analytical values shown in milligrams per kilogram (mg/kg).
Sample depth is shown in feet below ground surface (ft bgs).
ND = Not detected at or above the laboratory reporting limits (RL) (shown in parentheses).
DCE = Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
TMB = Trimethylbenzene
– = Not analyzed or not applicable.
NA = Not available.
dup = field duplicate

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Herbicides by EPA 8151A (mg/kg)									Organochlorine Pesticides by EPA 8081(mg/kg)							
				2,4-DB	2,4,5-T	Bentazon	Chloramben	Chlorthal-dimethyl	Dalapon	Dinoseb	Picloram	Silvex	4,4'-DDD	4,4'-DDE	Cis-Chlordane (alpha)	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Gamma-Chlordane	Methoxy-chlor
	Site Screening Level (mg/kg) [a]			*640*	*800*	*2,400*	*1,200*	*800*	*2,400*	*80*	*5,600*	*640*	*0.010*	*0.010*	*0.010*	*0.0050*	*0.010*	*NA*	*0.010*	*0.010*
Phase II Investigation (2015)																				
GP-1-15	9/17/2015	5.0	Native Soil	ND (0.029)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.029)	ND (0.024)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.011)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.057)
		13.5	Native Soil	ND (0.031)	ND (0.063)	ND (0.063)	ND (0.025)	ND (0.031)	ND (0.025)	ND (0.063)	ND (0.063)	ND (0.025)	ND (0..025)	ND (0..025)	ND (0.012)	ND (0.012)	ND (0..025)	ND (0..025)	ND (0.012)	ND (0.062)
GP-2-15	9/17/2015	4.5	Native Soil	ND (0.026)	ND (0.052)	ND (0.052)	**23.0**	ND (0.026)	ND (0.021)	ND (0.052)	ND (0.052)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.010)	ND (0.010)	ND (0.021)	ND (0.021)	ND (0.010)	ND (0.051)
		14.0	Native Soil	ND (0.030)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.030)	ND (0.024)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.011)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.058)
GP-3-15	9/17/2015	9.0	Fill/Refuse	ND (0.030)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.030)	ND (0.024)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.011)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.059)
		12.5	Native Soil	ND (0.051)	ND (0.102)	ND (0.102)	ND (0.041)	ND (0.051)	ND (0.041)	ND (0.102)	ND (0.102)	ND (0.041)	ND (0.039)	ND (0.039)	ND (0.020)	ND (0.020)	ND (0.039)	ND (0.039)	ND (0.020)	ND (0.100)
GP-4-15	9/17/2015	5.0	Fill/Refuse	ND (0.029)	ND (0.058)	ND (0.058)	**25**	ND (0.029)	ND (0.023)	ND (0.058)	ND (0.058)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.011)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.058)
		13.0	Native Soil	ND (0.032)	ND (0.065)	ND (0.065)	ND (0.026)	ND (0.032)	ND (0.026)	ND (0.065)	ND (0.065)	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.025)	ND (0.013)	ND (0.063)
GP-5-15	9/17/2015	5.0	Fill/Refuse	ND (0.030)	ND (0.061)	ND (0.061)	**24**	ND (0.030)	ND (0.024)	ND (0.061)	ND (0.061)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.012)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.058)
		13.0	Native Soil	ND (0.030)	ND (0.050	ND (0.050	ND (0.024)	ND (0.030)	ND (0.024)	ND (0.050	ND (0.050	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.060)
		13 dup	Native Soil	ND (0.029)	ND (0.058)	ND (0.058)	ND (0.023)	ND (0.029)	ND (0.023)	ND (0.058)	ND (0.058)	ND (0.023)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.011)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.056)
GP-6-15	9/17/2015	7.5	Fill/Refuse	ND (0.042)	ND (0.085)	ND (0.085)	ND (0.034)	ND (0.042)	ND (0.034)	ND (0.085)	ND (0.085)	ND (0.034)	ND (0.031)	ND (0.031)	ND (0.016)	ND (0.016)	ND (0.031)	ND (0.031)	ND (0.016)	ND (0.079)
		14.0	Native Soil	ND (0.030)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.030)	ND (0.024)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.012)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.058)
GP-7-15	9/17/2015	5.0	Fill/Refuse	ND (0.026)	ND (0.051)	ND (0.051)	ND (0.021)	ND (0.026)	ND (0.021)	ND (0.051)	ND (0.051)	ND (0.021)	**0.074**	ND (0.199)	ND (0.010)	ND (0.010)	**0.063**	ND (0.199)	ND (0.010)	ND (0.050)
		14.0	Native Soil	ND (0.029)	ND (0.059)	ND (0.059)	ND (0.023)	ND (0.029)	ND (0.023)	ND (0.059)	ND (0.059)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.011)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.057)
GP-8-15	9/17/2015	5.0	Fill/Refuse	ND (0.030)	ND (0.060)	ND (0.060)	**26**	ND (0.030)	ND (0.024)	ND (0.060)	ND (0.060)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.012)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.057)
		14.5	Native Soil	ND (0.034)	ND (0.068)	ND (0.068)	ND (0.027)	ND (0.034)	ND (0.027)	ND (0.068)	ND (0.068)	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.013)	ND (0.013)	ND (0.026)	ND (0.026)	ND (0.013)	ND (0.064)
		14.5 dup	Native Soil	ND (0.032)	ND (0.064)	ND (0.064)	ND (0.025)	ND (0.032)	ND (0.025)	ND (0.064)	ND (0.064)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.025)	ND (0.013)	ND (0.063)
GP-9-15	9/17/2015	5.0	Fill/Refuse	ND (0.030)	ND (0.061)	ND (0.061)	ND (0.024)	ND (0.030)	ND (0.024)	ND (0.061)	ND (0.061)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.059)
		12.5	Native Soil	ND (0.033)	ND (0.067)	ND (0.067)	ND (0..027)	ND (0.033)	ND (0..027)	ND (0.067)	ND (0.067)	ND (0..027)	ND (0.027)	ND (0.027)	ND (0.013)	ND (0.013)	ND (0.027)	ND (0.027)	ND (0.013)	ND (0.066)
GP-10-15	9/17/2015	4.5	Fill/Refuse	ND (0.034)	ND (0.068)	ND (0.068)	ND (0.027)	ND (0.034)	ND (0.027)	ND (0.068)	ND (0.068)	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.013)	ND (0.013)	ND (0.026)	ND (0.026)	ND (0.013)	ND (0.065)
		13.0	Native Soil	ND (0.032)	ND (0.064)	ND (0.064)	ND (0.025)	ND (0.032)	ND (0.025)	ND (0.064)	ND (0.064)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.060)
GP-11-15	9/17/2015	4.5	Fill/Refuse	ND (0.027)	ND (0.054)	ND (0.054)	ND (0.022)	ND (0.027)	ND (0.022)	ND (0.054)	ND (0.054)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.011)	**0.056**	**0.060**	ND (0.011)	**0.127**
		14.5	Native Soil	ND (0.047)	ND (0.093)	ND (0.093)	ND (0.037)	ND (0.047)	ND (0.037)	ND (0.093)	ND (0.093)	ND (0.037)	ND (0.038)	ND (0.038)	ND (0.019)	ND (0.019)	ND (0.038)	ND (0.038)	ND (0.019)	ND (0.094)
GP-12-15	9/18/2015	4.0	Fill/Refuse	ND (0.031)	ND (0.062)	ND (0.062)	ND (0.025)	ND (0.031)	ND (0.025)	ND (0.062)	ND (0.062)	ND (0.025)	ND (0.0239)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.060)
		13.5	Native Soil	ND (0.031)	ND (0.062)	ND (0.062)	ND (0.025)	ND (0.031)	ND (0.025)	ND (0.062)	ND (0.062)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.059)
GP-13-15	9/21/2015	4.5	Fill/Refuse	ND (0.028)	ND (0.056)	ND (0.056)	ND (0.022)	ND (0.028)	ND (0.022)	ND (0.056)	ND (0.056)	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.011)	ND (0.011)	ND (0.021)	ND (0.021)	ND (0.011)	ND (0.053)
		13.5	Native Soil	ND (0.034)	ND (0.068)	ND (0.068)	ND (0.027)	ND (0.034)	ND (0.027)	ND (0.068)	ND (0.068)	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.014)	ND (0.014)	ND (0.027)	ND (0.027)	ND (0.014)	ND (0.067)
GP-14-15	9/21/2015	3.5	Fill/Refuse	ND (0.028)	ND (0.057)	ND (0.057)	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.057)	ND (0.057)	ND (0.023)	ND (0.021)	ND (0.021)	ND (0.011)	ND (0.011)	ND (0.021)	ND (0.021)	ND (0.011)	ND (0.053)
		13.5	Native Soil	ND (0.046)	ND (0.092)	ND (0.092)	ND (0.037)	ND (0.046)	ND (0.037)	ND (0.092)	ND (0.092)	ND (0.037)	ND (0.034)	ND (0.034)	ND (0.017)	ND (0.017)	ND (0.034)	ND (0.034)	ND (0.017)	ND (0.085)
		13.5 dup	Native Soil	ND (0.036)	ND (0.071)	ND (0.071)	ND (0.028)	ND (0.036)	ND (0.028)	ND (0.071)	ND (0.071)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.013)	ND (0.013)	ND (0.027)	ND (0.027)	ND (0.013)	ND (0.066)
GP-15-15	9/21/2015	6.0	Fill/Refuse	ND (0.036)	ND (0.073)	ND (0.073)	ND (0.029)	ND (0.036)	ND (0.029)	ND (0.073)	ND (0.073)	ND (0.029)	ND (0.027)	ND (0.027)	ND (0.014)	ND (0.014)	ND (0.027)	ND (0.027)	ND (0.014)	ND (0.069)
		14.0	Native Soil	ND (0.033)	ND (0.067)	ND (0.067)	ND (0.027)	ND (0.033)	ND (0.027)	ND (0.067)	ND (0.067)	ND (0.027)	ND (0.025)	ND (0.025)	ND (0.012)	ND (0.012)	ND (0.025)	ND (0.025)	ND (0.012)	ND (0.062)
GP-16-15	9/21/2015	8	Native Soil	ND (0.041)	ND (0.082)	ND (0.082)	ND (0.033)	ND (0.041)	ND (0.033)	ND (0.082)	ND (0.082)	ND (0.033)	ND (0.029)	ND (0.029)	ND (0.015)	ND (0.029)	ND (0.015)	ND (0.029)	ND (0.015)	ND (0.073)
		13.5	Native Soil	ND (0.031)	ND (0.063)	ND (0.063)	ND (0.025)	ND (0.031)	ND (0.025)	ND (0.063)	ND (0.063)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.012)	ND (0.025)	ND (0.012)	ND (0.025)	ND (0.012)	ND (0.062)
GP-17-15	9/21/2015	7	Native Soil	ND (0.035)	ND (0.071)	ND (0.071)	ND (0.028)	ND (0.035)	ND (0.028)	ND (0.071)	ND (0.071)	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.013)	ND (0.027)	ND (0.013)	ND (0.027)	ND (0.013)	ND (0.067)
		14.5	Native Soil	ND (0.029)	ND (0.057)	ND (0.057)	ND (0.023)	ND (0.029)	ND (0.023)	ND (0.057)	ND (0.057)	ND (0.023)	ND (0.021)	ND (0.021)	ND (0.011)	ND (0.021)	ND (0.011)	ND (0.021)	ND (0.011)	ND (0.052)
		7 dup	Native Soil	ND (0.031)	ND (0.063)	ND (0.063)	ND (0.025)	ND (0.031)	ND (0.025)	ND (0.063)	ND (0.063)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.064)
GP-18-15	9/21/2015	3	Native Soil	ND (0.027)	ND (0.055)	ND (0.055)	ND (0.022)	ND (0.027)	ND (0.022)	ND (0.055)	ND (0.055)	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.010)	ND (0.021)	ND (0.010)	ND (0.021)	ND (0.010)	ND (0.052)
		14	Native Soil	ND (0.030)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.030)	ND (0.024)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.022)	ND (0.011)	ND (0.022)	ND (0.011)	ND (0.054)
GP-19-15	9/21/2015	5	Native Soil	ND (0.027)	ND (0.055)	ND (0.055)	ND (0.022)	ND (0.027)	ND (0.022)	ND (0.055)	ND (0.055)	ND (0.022)	ND (0.020)	ND (0.020)	ND (0.010)	ND (0.020)	ND (0.010)	ND (0.020)	ND (0.010)	ND (0.051)
		14.5	Native Soil	ND (0.032)	ND (0.064)	ND (0.064)	ND (0.026)	ND (0.032)	ND (0.026)	ND (0.064)	ND (0.064)	ND (0.026)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.023)	ND (0.011)	ND (0.023)	ND (0.011)	ND (0.057)
GP-20-15	9/21/2015	5.5	Native Soil	ND (0.027)	ND (0.054)	ND (0.054)	ND (0.022)	ND (0.027)	ND (0.022)	ND (0.054)	ND (0.054)	ND (0.022)	ND (0.019)	ND (0.019)	ND (0.010)	ND (0.019)	ND (0.010)	ND (0.019)	ND (0.010)	ND (0.047)
		14	Native Soil	ND (0.029)	ND (0.058)	ND (0.058)	ND (0.023)	ND (0.029)	ND (0.023)	ND (0.058)	ND (0.058)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.011)	ND (0.023)	ND (0.011)	ND (0.023)	ND (0.011)	ND (0.057)
GP-21-15	9/21/2015	4	Native Soil	ND (0.029)	ND (0.059)	ND (0.059)	ND (0.023)	ND (0.029)	ND (0.023)	ND (0.059)	ND (0.059)	ND (0.023)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.022)	ND (0.011)	ND (0.022)	ND (0.011)	ND (0.056)
		14	Native Soil	ND (0.029)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.029)	ND (0.024)	ND (0.059)	ND (0.059)	ND (0.024)	ND (0.021)	ND (0.021)	ND (0.010)	ND (0.021)	ND (0.010)	ND (0.021)	ND (0.010)	ND (0.052)
GP-22-15	9/22/2015	1.5	Native Soil	ND (0.027)	ND (0.055)	ND (0.055)	ND (0.022)	ND (0.027)	ND (0.022)	ND (0.055)	ND (0.055)	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.011)	ND (0.021)	ND (0.011)	ND (0.021)	ND (0.011)	ND (0.053)
		3	Native Soil	ND (0.029)	ND (0.058)	ND (0.058)	ND (0.023)	ND (0.029)	ND (0.023)	ND (0.058)	ND (0.058)	ND (0.023)	ND (0.020)	ND (0.020)	ND (0.010)	ND (0.020)	ND (0.010)	ND (0.020)	ND (0.010)	ND (0.0500)
		3.0 dup	Native Soil	ND (0.028)	ND (0.056)	ND (0.056)	ND (0.022)	ND (0.028)	ND (0.022)	ND (0.056)	ND (0.056)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.022)	ND (0.011)	ND (0.022)	ND (0.011)	ND (0.054)
MW-1-15	9/18/2015	6	Native Soil	ND (0.028)	ND (0.056	ND (0.056	ND (0.023)	ND (0.028)	ND (0.023)	ND (0.056	ND (0.056)	ND (0.023	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.059)
		12	Native Soil	ND (0.030)	ND (0.059	ND (0.059	ND (0.024)	ND (0.030)	ND (0.024)	ND (0.059	ND (0.059)	ND (0.024	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.012)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.058)
MW-2-15	9/18/2015	3	Native Soil	ND (0.028)	ND (0.056	ND (0.056	ND (0.022)	ND (0.028)	ND (0.022)	ND (0.056	ND (0.056)	ND (0.022	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.011)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.054)
		13	Native Soil	ND (0.047)	ND (0.094	ND (0.094	ND (0.038)	ND (0.047)	ND (0.038)	ND (0.094	ND (0.094)	ND (0.038	ND (0.035)	ND (0.035)	ND (0.018)	ND (0.018)	ND (0.035)	ND (0.035)	ND (0.018)	ND (0.088)
MW-3-15	9/18/2015	6.5	Native Soil	ND (0.031)	ND (0.063)	ND (0.056	ND (0.025)	ND (0.031)	ND (0.025)	ND (0.056	ND (0.063)	ND (0.031)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.059)
		15	Native Soil	ND (0.034)	ND (0.068)	ND (0.068)	ND (0.027)	ND (0.034)	ND (0.027)	ND (0.068)	ND (0.068)	ND (0.034)	ND (0.025)	ND (0.025)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.025)	ND (0.013)	ND (0.063)
MW-4-15	9/22/2015	6	Native Soil	ND (0.028)	ND (0.056)	ND (0.056)	ND (0.022)	ND (0.028)	ND (0.022)	ND (0.056)	ND (0.056)	ND (0.028)	ND (0.020)	ND (0.020)	ND (0.010)	ND (0.010)	ND (0.020)	ND (0.020)	ND (0.010)	ND (0.049)
		14.5	Native Soil	ND (0.037)	ND (0.074)	ND (0.074)	ND (0.030)	ND (0.037)	ND (0.030)	ND (0.074)	ND (0.074)	ND (0.037)	ND (0.030)	ND (0.030)	ND (0.015)	ND (0.015)	ND (0.030)	ND (0.030)	ND (0.015)	ND (0.075)
MW-5-15	9/22/2015	5	Native Soil	ND (0.030)	ND (0.061)	ND (0.061)	ND (0.024)	ND (0.030)	ND (0.024)	ND (0.061)	ND (0.061)	ND (0.030)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.012)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.058)
		12.5	Native Soil	ND (0.032)	ND (0.063)	ND (0.063)	ND (0.025)	ND (0.032)	ND (0.025)	ND (0.063)	ND (0.063)	ND (0.032)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.060)
MW-6-15	9/22/2015	5.5	Native Soil	ND (0.027)	ND (0.054)	ND (0.054)	ND (0.022)	ND (0.027)	ND (0.022)	ND (0.054)	ND (0.054)	ND (0.027)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.011)	ND (0.022)	ND (0.022)	ND (0.011)	ND (0.056)
		5.5 dup	Native Soil	**0.022**	**0.071**	**0.071**	**0.029**	**0.022**	**0.029**	**0.04**	**0.04**	**0.022**	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.012)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.058)
		14	Native Soil	**0.019**	ND (0.028)	ND (0.028)	**0.021**	**0.019**	**0.021**	**0.028**	**0.028**	**0.019**	ND (0.021)	ND (0.021)	ND (0.011)	ND (0.011)	ND (0.021)	ND (0.021)	ND (0.011)	ND (0.053)
TP-1-15	9/23/2015	5.5	Native Soil	**0.024**	ND (0.034)	ND (0.034)	**0.077**	**0.024**	**0.077**	**0.045**	**0.045**	**0.024**	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.024)	ND (0.012)	ND (0.059)
TP-3-15	9/23/2015	6.0	Fill/Refuse	ND (0.015)	ND (0.031)	ND (0.031)	**0.11**	ND (0.015)	**0.11**	**0.032**	**0.032**	ND (0.015)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.012)	ND (0.023)	ND (0.023)	ND (0.012)	ND (0.058)

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Herbicides by EPA 8151A (mg/kg)									Organochlorine Pesticides by EPA 8081(mg/kg)							
				2,4-DB	2,4,5-T	Bentazon	Chloramben	Chlorthal-dimethyl	Dalapon	Dinoseb	Picloram	Silvex	4,4'-DDD	4,4'-DDE	Cis-Chlordane (alpha)	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Gamma-Chlordane	Methoxy-chlor
	Site Screening Level (mg/kg) [a]			***640***	***800***	***2,400***	***1,200***	***800***	***2,400***	***80***	***5,600***	***640***	***0.010***	***0.010***	***0.010***	***0.0050***	***0.010***	***NA***	***0.010***	***0.010***
Environmental Investigation (2017)																				
PP1	5/23/2017	2.0	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP2	5/23/2017	2.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP3	5/24/2017	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP4	5/24/2017	3.0	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP5	5/23/2017	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP6	5/23/2017	2.0	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP7	5/24/2017	0	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP8	5/24/2017	0.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP9	5/24/2017	0	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Remedial Investigation (2018)																				
B-04	2/21/2018	12.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-05	2/20/2018	7.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-06	2/22/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-07	2/27/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-08	2/26/2018	5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-09	2/22/2018	5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-10	2/26/2018	7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-11	2/26/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-13	2/23/2018	7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-14	2/21/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-15	2/21/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-16	2/23/2018	2.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
B-17	2/20/2018	10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP10	2/21/2018	11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP11	2/28/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP12	2/21/2018	2	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP13	2/21/2018	10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP14	2/28/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP15	2/21/2018	6	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		12	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP16	2/28/2018	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP17	2/28/2018	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP18	2/28/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Herbicides by EPA 8151A (mg/kg)									Organochlorine Pesticides by EPA 8081(mg/kg)							
				2,4-DB	2,4,5-T	Bentazon	Chloramben	Chlorthal-dimethyl	Dalapon	Dinoseb	Picloram	Silvex	4,4'-DDD	4,4'-DDE	Cis-Chlordane (alpha)	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Gamma-Chlordane	Methoxy-chlor
	Site Screening Level (mg/kg) [a]			***640***	***800***	***2,400***	***1,200***	***800***	***2,400***	***80***	***5,600***	***640***	***0.010***	***0.010***	***0.010***	***0.0050***	***0.010***	***NA***	***0.010***	***0.010***
PP19	2/21/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP20	2/28/2018	2	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP21	2/28/2018	2	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP22	2/21/2018	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		13	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP23	2/28/2018	2	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP24	2/28/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP25	2/21/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		13	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP26	2/21/2018	11	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		17	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP27	2/28/2018	7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP28	3/1/2018	8	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP29	3/1/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP30	2/28/2018	5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP31	3/1/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		11	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP32	3/1/2018	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP33	3/1/2018	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		10	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP34	2/21/2018	8	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Supplemental Remedial Investigation (2018)																				
MW-10	12/17/18	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-11	12/17/18	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-12	12/17/18	3	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP35	12/20/2018	4	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP36	12/20/2018	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP37	12/20/2018	1.5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Second Supplemental Remedial Investigation																				
PP38	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP39	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		6	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP40	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP41	5/4/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		4	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP42	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP43	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Table 1 (continued). Summary of Soil Sample Results, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Sample Depth (ft bgs)	Soil Description	Herbicides by EPA 8151A (mg/kg)									Organochlorine Pesticides by EPA 8081(mg/kg)							
				2,4-DB	2,4,5-T	Bentazon	Chloramben	Chlorthal-dimethyl	Dalapon	Dinoseb	Picloram	Silvex	4,4'-DDD	4,4'-DDE	Cis-Chlordane (alpha)	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Gamma-Chlordane	Methoxy-chlor
	Site Screening Level (mg/kg) [a]			***640***	***800***	***2,400***	***1,200***	***800***	***2,400***	***80***	***5,600***	***640***	***0.010***	***0.010***	***0.010***	***0.0050***	***0.010***	***NA***	***0.010***	***0.010***
PP44	5/8/2023	1	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PP45	5/8/2023	1.5	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-13	5/5/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-14	5/5/2023	1	Fill/Refuse	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		7	Native Soil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Values shown in **bold** are detected above the laboratory reporting limit.
Values shown in **bold and shaded** are detected at or above the Site Screening Level.
a = Site Screening Levels from Remedial Investigation Report, 2019.
b = Total carcinogenic polycyclic aromatic hydrocarbons (cPAHs) toxicity equivalency (TEQ) concentration is calculated using one-half the reporting limit for compounds that were not detected above the reporting limit.
All analytical values shown in milligrams per kilogram (mg/kg).
Sample depth is shown in feet below ground surface (ft bgs).
ND = Not detected at or above the laboratory reporting limits (RL) (shown in parentheses).
DCE = Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
TMB = Trimethylbenzene
– = Not analyzed or not applicable.
NA = Not available.
dup = field duplicate

Table 2. Summary of Groundwater Sample Results from Monitoring Wells, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Petroleum Hydrocarbons (µg/L)			Volatile Organic Compounds by EPA Method 8260D (µg/L)								Total Metals by EPA Method 200.8 (µg/L)					Dissolved Metals by EPA Method 200.8 (µg/L)				
		GRO	DRO	Lube Oil	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	cis-1,2-Dichloroethene	1,4-Dichloro-benzene	Chloro-benzene	Vinyl Chloride	Arsenic	Cadmium	Chromium	Lead	Mercury	Arsenic	Cadmium	Chromium	Lead	Mercury
	SSL	***1,000***	***500***	***500***	***0.44***	***57***	***29***	***1,000***	***16***	***NE***	***100***	***0.02***	***3.3***	***4.4***	***50***	***2.5***	***0.5***	***3.3***	***4.4***	***50***	***2.5***	***0.5***
	GW SL for VI	***NE***	***NE***	***NE***	***2.4***	***15,000***	***2,800***	***320***	***180***	***5***	***340***	***0.33***	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**	**–**
MW-1	10/6/2015	ND (50)	ND (50)	ND (100)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.20)	ND (1.0)	ND (0.20)	**1.1**	ND (0.20)	ND (0.50)	**1.1**	ND (0.10)	**1.2**	ND (0.20)	ND (0.50)	ND (1.0)	ND (0.10)
	5/12/2017	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.05J)[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	3/23/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.04J)[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	6/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (270)	ND (430)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.020)[b]	–	–	–	–	–	–	–	–	–	–
MW-2	10/5/2015	ND (50)	ND (50)	ND (100)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.20)	ND (1.0)	ND (0.20)	**5.7**	ND (0.20)	**2.3**	ND (1.0)	ND (0.10)	**5.1**	ND (0.20)	**1.6**	ND (1.0)	ND (0.10)
	5/12/2017	ND (100)	ND (270)	ND (440)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.05J)[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	3/23/2018	ND (110)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.04J)[a]	**3.4**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	6/21/2018	ND (100)	ND (270)	ND (430)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	**4.9**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	3/29/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.07J)[a]	–	–	–	–	–	**6.1**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	6/18/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20	ND (0.07J)[a]	–	–	–	–	–	**7.1**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	9/24/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20	ND (0.02)[b]	–	–	–	–	–	**14**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	5/12/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.020)[b]	–	–	–	–	–	–	–	–	–	–
MW-3	10/6/2015	ND (50)	ND (50)	ND (100)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.20)	ND (1.0)	ND (0.20)	**4.1**	ND (0.20)	**2.8**	ND (1.0)	ND (0.10)	**4.8**	ND (0.20)	**1.5**	ND (1.0)	ND (0.10)
	5/12/2017	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.05J)[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	3/23/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	**0.22**	ND (0.20)	ND (0.20)	ND (0.04J)[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	6/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.07**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	**0.35**	ND (0.20)	ND (0.20)	**0.07**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	**0.30**	ND (0.20)	ND (0.20)	**0.05**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
MW-4	10/5/2015	ND (50)	ND (50)	ND (100)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.20)	**5.7**	ND (0.20)	**13**	ND (0.20)	**2.7**	ND (1.0)	ND (0.10)	**9.8**	ND (0.20)	**1.5**	ND (1.0)	ND (0.10)
	5/12/2017	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**1.5**	ND (0.05J)a	**8.3**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	**8.3**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	3/23/2018	ND (110)	ND (270)	ND (440)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**1.1**	ND (0.04J)a	**6**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	6/21/2018	ND (100)	ND (270)	ND (430)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.09**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (250)	ND (410)	**0.22**	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**4.6**	**0.15**[b]	**14**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**3.7**	**0.16**[b]	**11**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	3/29/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**2.6**	**0.11J**[a]	–	–	–	–	–	**7.4**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	6/18/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20	ND (0.40	ND (0.20)	ND (0.20)	**0.33**	**0.11J**[a]	–	–	–	–	–	**11**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	9/24/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**5.2**	**0.12**[b]	–	–	–	–	–	**13**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.24**	**0.19**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	ND (3.0)	ND (4)	ND (10)	ND (1.0)	ND (0.50)
MW-5	10/5/2015	ND (50)	ND (50)	ND (100)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.20)	ND (1.0)	ND (0.20)	**1.4**	ND (0.20)	**0.52**	ND (1.0)	ND (0.10)	ND (1.0)	ND (0.20)	ND (0.50)	ND (1.0)	ND (0.10)
	5/12/2017	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.05J)[a]	ND (3.3)	ND (4.4)	ND (11)	**4**	ND (0.50)	ND (3.0)	ND (4.0)	ND (10)	**3**	ND (0.50)
	3/23/2018	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.04J)[a]	ND (3.3)	ND (4.4)	ND (11)	**3.2**	ND (0.50)	–	–	–	–	–
	6/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	**5.6**	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	**1.9**	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	**1.5**	ND (0.50)	–	–	–	–	–
	3/29/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.07J)[a]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	6/18/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.07J)[a]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	9/24/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20	ND (0.02)[b]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.020)[b]	–	–	–	–	–	–	–	–	–	–
MW-6	10/5/2015	ND (50)	ND (50)	ND (100)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (0.20)	ND (1.0)	ND (0.20)	**1.9**	ND (0.20)	**0.74**	**1.5**	ND (0.10)	**2.1**	ND (0.20)	ND (0.50)	ND (1.0)	ND (0.10)
	5/12/2017	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.05J)[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	3/23/2018	ND (110)	ND (280)	ND (450)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.04J)[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	6/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	**0.20**	ND (0.20)	ND (0.02)[b]	**4.5**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	3/29/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.07J)[a]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	6/18/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.07J)[a]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	9/24/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20	ND (0.02)[b]	–	–	–	–	–	**3.1**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.020)[b]	–	–	–	–	–	–	–	–	–	–

Table 2 (continued). Summary of Groundwater Sample Results from Monitoring Wells, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Petroleum Hydrocarbons (µg/L)			Volatile Organic Compounds by EPA Method 8260D (µg/L)								Total Metals by EPA Method 200.8 (µg/L)					Dissolved Metals by EPA Method 200.8 (µg/L)				
		GRO	DRO	Lube Oil	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	cis-1,2-Dichloroethene	1,4-Dichloro-benzene	Chloro-benzene	Vinyl Chloride	Arsenic	Cadmium	Chromium	Lead	Mercury	Arsenic	Cadmium	Chromium	Lead	Mercury
	SSL	*1,000*	*500*	*500*	*0.44*	*57*	*29*	*1,000*	*16*	*NE*	*100*	*0.02*	*3.3*	*4.4*	*50*	*2.5*	*0.5*	*3.3*	*4.4*	*50*	*2.5*	*0.5*
MW-7	3/23/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.04)J[a]	ND (3.3)	ND (4.4)	ND (11)	**1.9**	ND (0.50)	–	–	–	–	–
(B06)	6/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	**4.6**	ND (4.4)	ND (11)	**2**	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	**5.5**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (270)	ND (440)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	**4.5**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	5/12/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.020)[b]	–	–	–	–	–	–	–	–	–	–
MW-8	3/23/2018	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.08J**[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (1.1)	–	–	–	–	–
(B09)	6/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.09**[b]	**3.9**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.06**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.07**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	5/12/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.12**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	**3.3**	ND (4)	ND (10)	ND (1.0)	ND (0.50)
MW-9	3/23/2018	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.04J**[a]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
(B11)	6/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.04**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	9/26/2018	ND (100)	ND (250)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.38**	**0.05**[b]	**3.6**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	12/21/2018	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.43**	**0.07**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	3/29/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.41**	ND (0.07J)[a]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	6/18/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.34**	ND (0.07J)[a]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	9/24/2019	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.38**	**0.06**[b]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.27**	**0.036**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	ND (3.0)	ND (4)	ND (10)	ND (1.0)	ND (0.50)
MW-10	12/21/2018	ND (100)	ND (270)	ND (430)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.26**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	3/29/2019	ND (100)	ND (250)	ND (400)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.20**[b]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	6/18/2019	ND (100)	ND (270)	ND (430)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20	ND (0.20)	**0.20**[a]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	9/24/2019	ND (100)	ND (270)	ND (430)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40	ND (0.20)	ND (0.20)	**0.27**	**0.22**[b]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.22**	**0.15**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	ND (3.0)	ND (4)	ND (10)	ND (1.0)	ND (0.50)
MW-11	12/21/2018	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.05**[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	3/29/2019	ND (100)	ND (290)	ND (470)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.24**	ND (0.07J)[a]	–	–	–	–	–	ND (3.0)	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	6/18/2019	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	**0.33**	ND (0.07J)[a]	–	–	–	–	–	**3.6**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	9/24/2019	ND (100)	ND (270)	ND (430)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40	ND (0.20)	ND (0.20)	**0.36**	**0.04**[b]	–	–	–	–	–	**3.6**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	**0.036**[b]	**16**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	**12**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
MW-12	12/21/2018	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.02)[b]	ND (3.3)	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	–	–	–	–	–
	3/29/2019	ND (100)	ND (260)	ND (420)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.07J)[a]	–	–	–	–	–	**11**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	6/18/2019	ND (100)	ND (260)	ND (410)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.07J)[a]	–	–	–	–	–	**14**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	9/24/2019	ND (100)	ND (270)	ND (430)	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20	ND (0.02)[b]	–	–	–	–	–	**15**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.020)[b]	**22**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	**20**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
MW-13	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.020)[b]	**16**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	**16**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)
MW-14	5/11/2023	–	–	–	ND (0.20)	ND (1.0)	ND (0.20)	ND (0.40)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.020)[b]	**12**	ND (4.4)	ND (11)	ND (1.1)	ND (0.50)	**12**	ND (4.0)	ND (10)	ND (1.0)	ND (0.50)

Table 2 (continued). Summary of Groundwater Sample Results from Monitoring Wells, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA Method 8270E SIM (µg/L)								Field Parameters				
		Benzo(a)-anthracene	Chrysene	Benzo(b) fluoranthene	Benzo(j,k) fluoranthene	Benzo(a) pyrene	Indeno(1,2,3-cd) pyrene	Dibenz(a,h) anthracene	cPAH Total TEQ	Temperature (°C)	DO (mg/L)	Conductivity (µS/cm)	pH (std units)	Turbidity (NTU)
	SSL	***0.01***	***0.016***	***0.01***	***0.01***	***0.01***	***0.01***	***0.01***	***0.015***	–	–	–	–	–
	GW SL for VI	–	–	–	–	–	–	–	–	–	–	–	–	–
MW-1	10/6/2015	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.076)	NR	NR	NR	NR	NR
	5/12/2017	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0072)	9.0	3.28	98	6.84	Clear
	3/23/2018	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0071)	6.9	4.67	97	6.94	Clear
	6/21/2018	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0072)	11.3	1.69	77	6.79	Clear
	9/26/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	14.2	2.76	113	6.64	Clear
	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	7.9	4.35	93	4.45	1.0
	5/11/2023	–	–	–	–	–	–	–	–	9.2	3.48	79	6.22	2.2
MW-2	10/5/2015	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.0072)	NR	NR	NR	NR	NR
	5/12/2017	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0075)	11.9	2.47	296	6.58	Clear
	3/23/2018	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	9.8	0.66	328	6.54	Clear
	6/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	13.7	3.28	270	6.33	Clear
	9/26/2018	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0071)	15.8	0.23	276	6.30	Clear
	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	11.5	0.38	314	4.38	30.4
	3/29/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	10.1	0.21	269	6.40	1.8
	6/18/2019	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	13.1	0.20	367	6.30	42.3
	9/24/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	15.9	0.64	296	6.35	Clear
	5/12/2023	–	–	–	–	–	–	–	–	11.6	0.47	330	6.50	4.4
MW-3	10/6/2015	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.0072)	NR	NR	NR	NR	NR
	5/12/2017	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0072)	10.9	0.69	332	7.08	Clear
	3/23/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	8.1	0.50	332	7.01	Clear
	6/21/2018	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.0097)	ND (0.0073)	12.8	0.11	281	7.08	Clear
	9/26/2018	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0072)	14.5	0.12	322	6.65	Clear
	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	10.1	0.09	414	4.75	85.6
MW-4	10/5/2015	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.0072)	NR	NR	NR	NR	NR
	5/12/2017	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0072)	11.5	0.19	348	6.60	Clear
	3/23/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	9.1	0.55	307	6.15	Clear
	6/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	15.4	2.05	309	6.62	Clear
	9/26/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	20.4	1.47	325	6.10	Clear
	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	11.8	0.21	351	4.55	9.4
	3/29/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	9.3	0.25	341	6.64	14.4
	6/18/2019	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.0091)	14.6	0.44	313	6.61	95.5
	9/24/2019	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	19.0	0.63	324	6.47	Clear
	5/11/2023	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	11.2	0.87	292	6.25	17.5
MW-5	10/5/2015	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.0072)	NR	NR	NR	NR	NR
	5/12/2017	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	9.5	1.06	156	7.08	Clear
	3/23/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	6.7	0.47	129	6.69	Clear
	6/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	11.6	0.08	126	7.44	Clear
	9/26/2018	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0071)	15.3	0.26	193	6.90	Clear
	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	10.0	0.45	182	5.14	5.4
	3/29/2019	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	7.1	0.04	143	7.32	1.7
	6/18/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	11.6	0.31	125	7.20	1.3
	9/24/2019	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.0098)	15.5	0.64	189	6.78	Clear
	5/11/2023	–	–	–	–	–	–	–	–	8.1	0.27	141	6.97	3.4
MW-6	10/5/2015	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.100)	ND (0.0072)	NR	NR	NR	NR	NR
	5/12/2017	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	10.2	0.25	132	6.25	Clear
	3/23/2018	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0071)	6.9	0.73	161	5.95	Clear
	6/21/2018	**0.014**	**0.014**	**0.012**	**0.012**	**0.011**	**0.012**	**0.011**	**0.017**	12.4	0.14	154	6.69	Clear
	9/26/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	15.1	0.44	341	6.25	Clear
	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	11.0	0.17	206	3.90	3.2
	3/29/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	6.9	0.24	176	6.64	1.4
	6/18/2019	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.0091)	12.1	0.35	164	6.62	3.5
	9/24/2019	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.0906)	15.5	0.67	294	6.71	Clear
	5/11/2023	–	–	–	–	–	–	–	–	9.9	0.30	170	6.18	7.3

Table 2 (continued). Summary of Groundwater Sample Results from Monitoring Wells, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Sample Location	Sample Date	Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) by EPA Method 8270E SIM (µg/L)								Field Parameters				
		Benzo(a)-anthracene	Chrysene	Benzo(b) fluoranthene	Benzo(j,k) fluoranthene	Benzo(a) pyrene	Indeno(1,2,3-cd) pyrene	Dibenz(a,h) anthracene	cPAH Total TEQ	Temperature (°C)	DO (mg/L)	Conductivity (µS/cm)	pH (std units)	Turbidity (NTU)
	SSL	***0.01***	***0.016***	***0.01***	***0.01***	***0.01***	***0.01***	***0.01***	***0.015***	–	–	–	–	–
MW-7	3/23/2018	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0071)	6.9	0.52	127	6.94	Clear
(B06)	6/21/2018	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0072)	16.2	0.12	137	6.59	Clear
	9/26/2018	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0071)	16.2	0.49	151	6.47	Clear
	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	8.8	0.23	188	4.41	9.7
	5/12/2023	–	–	–	–	–	–	–	–	13.8	0.37	157	6.65	3.1
MW-8	3/23/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	10.8	0.45	400	6.62	Clear
(B09)	6/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	13.4	2.44	384	6.24	Clear
	9/26/2018	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0094)	ND (0.0071)	16.4	0.61	325	6.56	Clear
	12/21/2018	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	11.8	0.72	340	6.66	59.0
	5/12/2023	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0072)	11.4	0.08	301	6.47	67.3
MW-9	3/23/2018	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	10.5	0.42	294	6.22	Clear
(B11)	6/21/2018	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0074)	11.5	2.65	240	6.58	Clear
	9/26/2018	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0074)	14.5	0.60	249	6.41	Clear
	12/21/2018	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	12.3	0.33	323	6.74	23.0
	3/29/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	10.9	0.27	292	6.74	38.0
	6/18/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	11.3	0.31	248	6.75	26.2
	9/24/2019	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.0091)	14.2	0.72	228	6.65	Clear
	5/11/2023	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	10.7	0.26	237	6.57	27.9
MW-10	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	12.9	0.29	291	6.83	24.0
	3/29/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	11.8	0.21	287	6.72	20.5
	6/18/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	14.5	0.91	287	NR	54.0
	9/24/2019	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	17.6	0.71	285	7.16	Slight
	5/11/2023	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0096)	ND (0.0072)	13.2	0.45	236	6.64	53.9
MW-11	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	11.6	2.01	409	6.81	8.5
	3/29/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	10.3	1.05	355	6.39	51.0
	6/18/2019	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0083)	12.4	0.38	307	7.08	37.0
	9/24/2019	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0099)	ND (0.0075)	15.8	0.69	278	6.93	Clear
	5/11/2023	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0072)	11.9	0.45	404	6.72	39.4
MW-12	12/21/2018	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	8.3	2.26	265	6.34	9.0
	3/29/2019	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	8.3	0.92	240	6.06	50.0
	6/18/2019	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	10.7	0.64	322	6.67	Clear
	9/24/2019	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0076)	13.0	0.64	378	6.52	Slight
	5/11/2023	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0098)	ND (0.0074)	10.3	0.31	356	6.28	105.2
MW-13	5/11/2023	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0072)	14.2	0.30	281	6.30	15.5
MW-14	5/11/2023	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0095)	ND (0.0072)	13.8	0.39	343	6.25	73.1

All results shown in micrograms per liter (µg/L).

GRO = Gasoline range organics. Analyzed by NWTPH-Gx.

DRO = Diesel range organics. DRO and Lube Oil analyzed by NWTPH-Dx.

SSL = Site Screening Level from Remedial Investigation Report, 2019.

GW SL for VI = Groundwater Screening Level for Vapor Intrusion from the MTCA Vapor Intrusion Method B Groundwater Screening Level table, Non-Cancer or Cancer (whichever is lower) from Department of Ecology CLARC tables, January 2023.

Values shown in **bold** are detected above the laboratory reporting limit.

Values shown in **bold and shaded** are detected at or above the Site Screening Level.

ND = Not detected at or above the laboratory reporting limits (RL) (shown in parentheses).

J = The value reported was below the practical quantitation limit. The value is an estimate.

a = Vinyl chloride concentration reported based on theoretical calculated method detection limit (MDL).

b = Vinyl chloride concentration reported based on laboratory review of available SIM (Specific Ion Monitoring) data with lower detection limit of 0.02 ug/L.

TEQ = Toxicity equivalent concentration. The total TEQ concentration for cPAHs is calculated using one-half the reporting limit for compounds that were not detected above the reporting limit.

DO = Dissolved oxygen

mg/L = Milligrams per liter

µS/cm = MicroSiemens per centimeter

– = Not analyzed or not applicable.

NE = Not established.

NR = Not reported.

Table 3. Soil Vapor Sample Results from Temporary Probes, Pacific City Park Supplemental Remedial Investigation, Pacific, Washington.

Analytical Parameter	*MTCA Method B VI Sub-Slab Screening Level* [a]	West of Ditch			East of Ditch		
		Soil Vapor Results in micrograms per cubic meter (µg/m^3)					
		SV-1	SV-2	SV-3	SV-4	SV-5	SV-7
Sample Date		5/4/2023	5/4/2023	5/4/2023	5/8/2023	5/8/2023	5/8/2023
Sample Depth (feet below ground surface)		2.0	2.0	0.7	4.0	2.5	2.0
Volatile Organic Compounds (VOCs) by EPA Method TO-15							
1,1,1-Trichloroethane	***76,000***	ND (0.218)	ND (0.218)	ND (0.218)	ND (0.218)	ND (0.218)	ND (0.218)
1,1,2,2-Tetrachloroethane	***1.4***	ND (0.549)	ND (0.549)	ND (0.549)	ND (0.549)	ND (0.549)	ND (0.549)
1,1,2-Trichloroethane	***3.0***	ND (0.218)	ND (0.218)	ND (0.218)	ND (0.218)	ND (0.218)	ND (0.218)
1,1-Dichloroethane	***52***	**0.507**	ND (0.162)	ND (0.162)	ND (0.162)	ND (0.162)	ND (0.162)
1,1-Dichloroethene	***3,000***	ND (0.159)	ND (0.159)	ND (0.159)	ND (0.159)	ND (0.159)	ND (0.159)
1,2,4-Trichlorobenzene	***30***	ND (5.94)	ND (5.94)	ND (5.94)	ND (5.94)	ND (5.94)	ND (5.94)
1,2,4-Trimethylbenzene	***910***	**70.6**	**3.91**	**9.98**	**3.05**	**16.2**	**52.6**
1,2-Dichlorobenzene	***3,000***	ND (0.240)	ND (0.240)	ND (0.240)	ND (0.240)	ND (0.240)	ND (0.240)
1,2-Dichloroethane	***3.2***	ND (0.162)	ND (0.162)	ND (0.162)	ND (0.162)	ND (0.162)	ND (0.162)
1,2-Dichloropropane	***23***	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)
1,3,5-Trimethylbenzene	***910***	**20.8**	ND (1.97)	**3.29**	ND (1.97)	**6.68**	**24.5**
1,3-Butadiene	***2.8***	**114**	**25.8**	**24.2**	**1.03**	**4.04**	**7.32**
1,3-Dichlorobenzene	–	ND (0.241)	ND (0.241)	ND (0.241)	ND (0.241)	ND (0.241)	ND (0.241)
1,4-Dichlorobenzene	***7.6***	ND (0.241)	ND (0.241)	ND (0.241)	ND (0.241)	ND (0.241)	ND (0.241)
1-Propene (Propylene)	–	**1,160**	**225**	**125**	**8.62**	**22.8**	**45.7**
2-Butanone	***76,000***	**18.1**	**30.6**	**14.6**	**9.37**	**11.8**	**47.9**
2-Hexanone	***460***	ND (8.19)	ND (8.19)	ND (8.19)	ND (8.19)	ND (8.19)	ND (8.19)
Acetone	–	**73.3**	**157**	**46.8**	**30.2**	**37.8**	**71.9**
Acrolein	***0.3***	ND (0.00844)	ND (0.00844)	ND (0.00844)	ND (0.00844)	ND (0.00844)	ND (0.00844)
Benzene	***11***	**24.3**	**23.1**	**37.2**	**3.59**	**44.2**	**77.4**
Benzene, 1-Ethyl-4-Methyl-	–	**9.64**	**1.24**	**2.59**	ND (0.983)	**5.12**	**14.2**
Bromoform	***76***	ND (0.414)	ND (0.414)	**0.887**	ND (0.414)	ND (0.414)	ND (0.414)
Bromomethane	***76***	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)
Carbon Disulfide	***11,000***	ND (12.5)	**14.6**	ND (12.5)	ND (12.5)	ND (12.5)	ND (12.5)
Carbon Tetrachloride	***14***	ND (1.26)	ND (1.26)	ND (1.26)	ND (1.26)	ND (1.26)	ND (1.26)
CFC-11	***11,000***	ND (1.12)	**1.16**	**1.32**	**1.16**	**1.22**	ND (1.12)
CFC-113	***76,000***	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)
CFC-114	–	ND (1.40)	ND (1.40)	ND (1.40)	ND (1.40)	ND (1.40)	ND (1.40)
CFC-12	***1,500***	**1.94**	**1.95**	**1.92**	**2.07**	**2.37**	**2.45**
Chlorobenzene	***760***	ND (0.184)	ND (0.184)	ND (0.184)	ND (0.184)	ND (0.184)	ND (0.184)
Chlorodibromomethane	–	ND (1.70)	ND (1.70)	**4.88**	ND (1.70)	ND (1.70)	**1.86**
Chloroethane	***150,000***	ND (1.58)	ND (1.58)	ND (1.58)	ND (1.58)	ND (1.58)	ND (1.58)
Chloroform	***3.6***	ND (0.195)	ND (0.195)	**9.64**	ND (0.195)	ND (0.195)	**15.1**
Chloromethane	***1,400***	**2.79**	**2.02**	ND (1.24)	ND (1.24)	ND (1.24)	ND (1.24)
Cis-1,2-Dichloroethene	***610***	**3.15**	ND (0.793)	ND (0.793)	ND (0.793)	ND (0.793)	ND (0.793)
Cis-1,3-Dichloropropene	–	ND (2.72)	ND (2.72)	ND (2.72)	ND (2.72)	ND (2.72)	ND (2.72)
Cyclohexane	***91,000***	**133**	**38.3**	**25.0**	**11.1**	**101**	**39.8**
Dichlorobromomethane	***2.3***	ND (1.34)	ND (1.34)	**6.42**	ND (1.34)	ND (1.34)	**5.08**
Dioxane, 1,4-	***17***	ND (2.16)	ND (2.16)	ND (2.16)	ND (2.16)	ND (2.16)	ND (2.16)
Ethyl Acetate	***1,100***	ND (7.21)	ND (7.21)	ND (7.21)	ND (7.21)	ND (7.21)	ND (7.21)
Ethylbenzene	***15,000***	**8.70**	**3.79**	**8.15**	ND (2.61)	**17.0**	**45.0**
Ethylene dibromide (1,2-dibromomethane)	***0.14***	**0.123**	**0.112**	**0.140**	ND (0.00612)	**0.0347**	**0.0581**
Heptane	***6,100***	**28.6**	**18.6**	**11.7**	**5.66**	**49.9**	**52.1**
Hexachlorobutadiene	***3.8***	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)
Hexane	***11,000***	**69.6**	**31.8**	**15.2**	**7.66**	**74.1**	**22.7**
Isopropyl Alcohol	–	ND (9.83)	ND (9.83)	ND (9.83)	ND (9.83)	ND (9.83)	ND (9.83)
m, p-Xylene	***1,500*** [b]	**22.6**	**7.36**	**18.6**	ND (5.21)	**61.7**	**172**
o-Xylene		**20.3**	**3.40**	**8.83**	ND (1.74)	**18.3**	**52.3**
Methyl isobutyl ketone	***46,000***	ND (8.19)	ND (8.19)	ND (8.19)	ND (8.19)	ND (8.19)	ND (8.19)
Methyl Methacrylate	***11,000***	**5.83**	ND (2.46)	ND (2.46)	ND (2.46)	ND (2.46)	ND (2.46)
Methyl t-butyl ether	***320***	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)
Methylene Chloride	***2,200***	ND (6.95)	ND (6.95)	**7.53**	ND (6.95)	ND (6.95)	ND (6.95)
Naphthalene	***2.5***	**3.32**	**0.578**	**1.04**	ND (0.294)	**0.341**	**0.764**
Styrene	***15,000***	**3.72**	**2.15**	**5.54**	ND (0.852)	ND (0.852)	ND (0.852)
Tetrachloroethene (PCE)	***320***	**1.06**	**0.715**	**2.03**	**0.386**	**0.524**	**1.07**
Tetrahydrofuran	***30,000***	**3.08**	ND (1.77)	ND (1.77)	ND (1.77)	ND (1.77)	ND (1.77)
Toluene	***76,000***	**2,140**	**34.2**	**1,100**	**27.6**	**140**	**553**
Toluene, Alpha-Chloro-	***1.7***	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)
Trans-1,2-Dichloroethene	***610***	ND (2.38)	ND (2.38)	ND (2.38)	ND (2.38)	ND (2.38)	ND (2.38)
Trans-1,3-Dichloropropene	–	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)
Trichloroethene (TCE)	***11***	**1.94**	**0.305**	**0.535**	ND (0.215)	ND (0.215)	**0.379**
Vinyl Acetate	***3,000***	ND (2.11)	ND (2.11)	ND (2.11)	ND (2.11)	ND (2.11)	ND (2.11)
Vinyl Chloride (VC)	***9.5***	**4.51**	**1.33**	ND (0.102)	ND (0.102)	ND (0.102)	ND (0.102)

a = MTCA Method B Vapor Intrusion Sub-Slab Soil Gas Screening Level, Non-Cancer or Cancer (whichever is lower) from Department of Ecology CLARC tables, January 2023.

b = Screening level is for total xylenes.

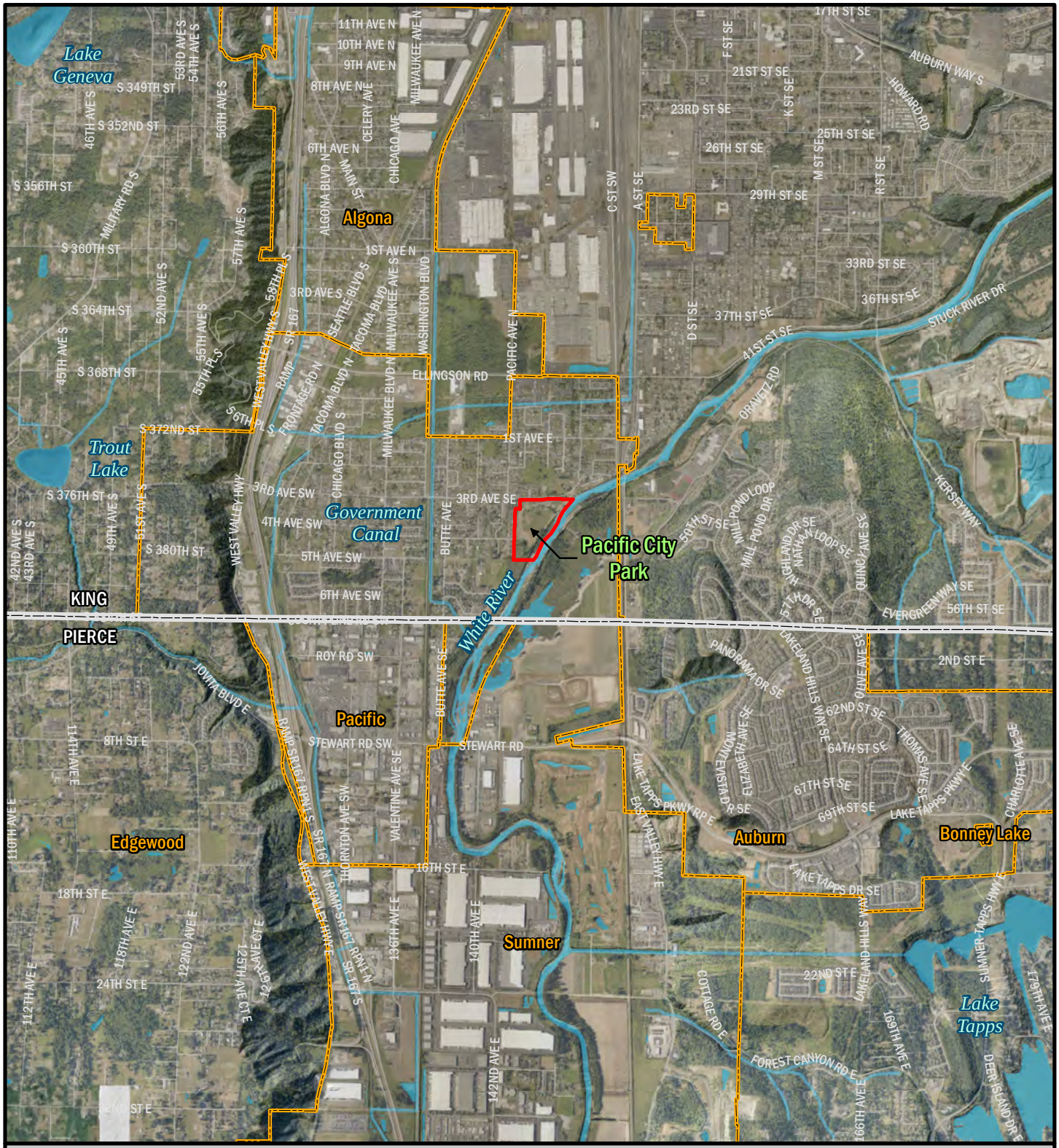
Values shown in **bold** were detected above the laboratory practical quantitation limit (PQL).

Values shown in **bold and shaded** were detected above the applicable MTCA screening level.

ND = Not Detected at or above the laboratory PQL . The PQL is shown in parentheses.

– = Not available.

Temporary soil vapor probes were constructed using a 2-inch metal screen.



Legend

- Study area
- County boundary
- City limits
- Waterbody
- Stream (King County)
- Roads

Figure 1.
Vicinity Map, Pacific City Park, Pacific, Washington.

0 1,500 3,000 6,000 Feet

N

King County

Aerial: King County (2017)
Prepared for King County by Herrera

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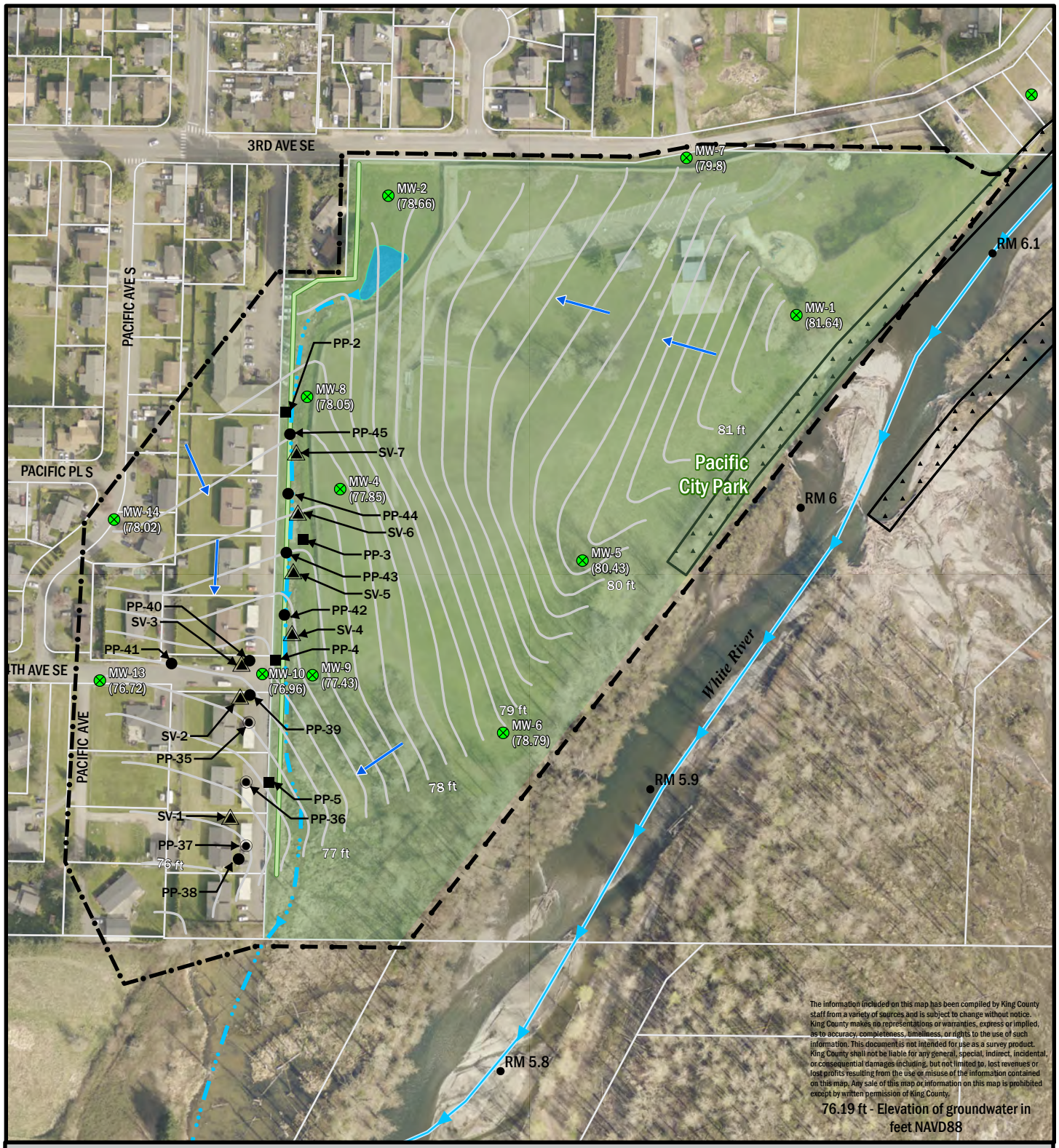

Legend

- Study Area
- Probe location (Herrera, 12-2018)
- Probe location (Herrera 2017)
- Probe location (Herrera, 05-2023)
- Soil vapor monitoring location (Herrera, 05-2023)
- Existing monitoring well
- River mile (10th)
- River
- Stormwater ditch
- Estimated direction of groundwater flow
- Groundwater contour (May 11, 2023)
- Property Line Survey
- Stormwater pond
- Concrete revetment
- Parcels
- Park

Figure 2.
Proposed Sampling Locations, and Groundwater Contour Map, Pacific City Park, Pacific, Washington.

0 115 230 460 Feet

King County

Aerial: King County (2017)
Prepared for King County by Herrera
Vertical datum: NAVD88

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