WHITMAN Environmental Sciences
6812 16th Avenue NE
Seattle, WA 98115

(206) 523-3505
Whitenviro@yahoo.com

June 15, 2020
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Centric Partners LLC
2921 Eastlake Avenue E.
Seattle, WA 98109

Attention: Mr. Michael Pollard

Subject: 2nd Quarter 2020 Groundwater Monitoring Results
104-124 12th Avenue & 1209 E. Fir Street
Seattle, Washington

Dear Mr. Pollard:
As you have authorized, ***Whitman Environmental Sciences, (WES)*** has conducted additional groundwater sampling at the above referenced site in Seattle, Washington. Figure 1 shows the site location and surrounding area. This letter summarizes the sampling and results of laboratory testing on the groundwater samples taken on May 19th 2020.

The findings indicate that samples from four of the twenty sampled wells contain the chlorinated solvent vinyl chloride and one well contained benzene, gasoline-range and diesel-range total petroleum hydrocarbons at concentrations that exceed current Washington State cleanup criteria under the Model Toxics Control Act (MTCA), Chapter 173-340 WAC. No other organic compounds exceeded MTCA cleanup levels in any of the samples. Eight of the samples were analyzed for concentrations of dissolved and total arsenic. The findings are consistent with area-wide background arsenic concentrations in groundwater.

Groundwater Monitoring
All monitoring wells on and adjacent to the subject property (a total of twenty wells) were purged and sampled as part of this monitoring event. Figure 2 shows the approximate locations of the wells in relation to the features of the property.

Groundwater Level Measurements
As part of monitoring, WES measured the depth to groundwater in the on-site monitoring wells. The measurements were obtained after the wells caps had been removed for a period of time to allow water levels to stabilize and before any of the wells were purged of standing groundwater. Table 1 summarizes the top-of-pipe elevation for each well, the depth to groundwater and the relative elevation of groundwater at each well during this and all prior monitoring events from October 2017 to the present. Top of pipe elevations were determined by a licensed surveyor, with the exception of MW-13 and MW-15. These well elevations were surveyed by WES relative to multiple nearby monitoring wells with known elevations.

The current measurements show that groundwater was at a depth of 2.18 to 15.05 feet below the top of pipe of the monitoring wells. The depths represent groundwater elevations within a range of 187.21 to 201.46 feet. Most measured water levels are within the range of prior measurements

at the site. The water levels in monitoring wells MW-1S, MW-11, MW-15 and GEO B-7 are slightly higher than any prior measurements, which most likely reflects seasonal variations.

There is a significant difference in water elevation from the highest elevations in the northwest to lowest levels in the southeast, indicating a relatively strong overall gradient of 0.04 foot/foot to the southeast across most of the site. Between nested wells MW-1D and MW-1S, there is an upward vertical gradient of 0.035 ft/ft.

Figure 2 shows the inferred contour of the groundwater surface and anticipated direction of migration based on the current measurements. The inferred gradient of groundwater migration is consistent with that interpreted from prior measurements from 2017 to the present.

Groundwater Sampling

Samples were obtained using peristaltic pumps equipped with dedicated polyethylene tubing in each well. Each well was purged of at least three times the volume of standing water prior to sampling; volumes ranging from one to 12 gallons. Field measurements of pH, temperature and conductivity were used to evaluate when stabilized conditions were reached in the pump discharge water.

Wells MW-3, MW-5, MW-12, MW-14 and MW-15 can pump dry after a limited volume and have moderate recharge rates. Each of these wells were pumped repeatedly to obtain representative samples of fresh recharge water and the total volume removed ranged from one to four gallons from each well.

Samples were taken following proper environmental sampling techniques and protocols. Samples were taken directly from the polyethylene pump tubing at a low flow rate and were placed in laboratory prepared bottles, sealed, chilled and held under chain of custody until delivered to the laboratory. The samples were submitted to Friedman & Bruya, Inc., a Washington State accredited laboratory, for testing. Samples for dissolved arsenic were filtered through 0.45 micron single-use filters in the field, before preservation.

Each sample was analyzed by Washington accepted method NWTPH-G and NWTPH-D (extended) for total petroleum hydrocarbons (TPH) in the gasoline, diesel and motor oil ranges, respectively. All samples were also analyzed for a list of 62 individual volatile organic compounds by EPA Method 8260C. The tested compounds are common solvents and/or organic compounds associated with petroleum. Samples from monitoring wells MW-1, MW-1D, MW-1S, MW-6, MW-8, MW-10, MW–11 and MW-12 were analyzed for total and dissolved arsenic.

All laboratory testing was conducted with reporting limits suitable for comparison with regulatory criteria. All laboratory quality assurance/quality control data is included and meets the analytical requirements of this assessment.

Laboratory Analytical Results

The results of laboratory testing and Washington State cleanup criteria are summarized in Table 2 and illustrated in Figure 3. The laboratory reports of the analytical results are included in Appendix A. The groundwater samples from monitoring wells MW-2, MW-4, MW-7, MW-13 and MW-15 contained no detectable concentrations of any of the analyzed parameters. Samples from wells MW-3, and GEO B-8 contained only a slightly elevated concentration of diesel range

petroleum hydrocarbons. These detections were flagged by the laboratory as not matching their laboratory standard for diesel. This typically indicates the detected hydrocarbons represent degrade petroleum from another analytical range or non-petroleum organic material that could be naturally occurring.

Samples from monitoring wells MW-1, MW-1S, MW-11 and MW-14 contained concentrations of vinyl chloride at reported concentrations of 0.21 to 0.47 ug/l (units equivalent to parts per billion (ppb)). Vinyl chloride is most commonly encountered as a daughter product from the breakdown of tetrachloroethene (PCE) in the environment. Because of its carcinogenic properties, vinyl chloride has a very low MTCA Method A cleanup level of 0.20 ug/l under Washington regulations. The reported concentrations found on site exceed the MTCA groundwater cleanup level.

Monitoring wells MW-1, MW-5, MW-6, MW-11, and MW-14, GEO B-7 and GEO B-9 contained low but detectable concentrations of other chlorinated compounds, primarily cis-1,2 dichloroethene, another daughter product of the breakdown of PCE. Cis-1,2 dichloroethene was detected in these wells at concentrations ranging from 1.0 to 4.5 ug/l, below the MTCA Method B groundwater standard formula value of 16 ug/l for this compound. The samples from monitoring wells MW-5 and GEO B-7contained trichloroethene (TCE) at 2.8 ug/l and 1.8 ug/l, respectively. The sample from monitoring well MW-6 contained PCE at 1.1 ug/l. Both PCE and TCE have MTCA Method A groundwater cleanup levels of 5 ug/l. No other chlorinated compounds were detected in any sample.

Samples from monitoring wells MW-8 and MW-9, in the northwestern part of the property where a former gas station had operated, found gasoline-related compounds. The sample from MW-8 contained 700 ug/l of gasoline-range organics (GRO) and 96 ug/l of diesel-range organics (DRO), as well as low but detectable concentrations of benzene (0.52 ug/l), ethylbenzene (3.2 ug/l), xylenes (69 ug/l), 1,2,4-trimethylbenzene (26 ug/l) and 1,3,5-trimethylbenzene (20 ug/l). All of the reported concentrations are below their respective MTCA Method A or Method B cleanup levels.

The sample from monitoring well MW-9 contained a reported concentration of 2,100 ug/l of GRO, and 1,200 ug/l of DRO, as well as 290 ug/l of motor oil range organics (MRO). Both the GRO and DRO concentrations exceed the MTCA Method A cleanup levels of 800 ug/l and 500 ug/l, respectively. That sample also contained concentrations of benzene (5.5 ug/l), toluene (2.3 ug/l), ethylbenzene (17 ug/l), xylenes (5 ug/l), and other volatile organic compounds. The reported benzene exceeds the MTCA Method A groundwater cleanup level of 5 ug/l. None of the other detections exceed MTCA Method A or B groundwater cleanup levels.

All of the reported DRO and MRO concentrations were flagged by the laboratory as not matching their laboratory standards for diesel or oil.

In this sampling, eight wells were selected for analyses of both total and dissolved arsenic. The analyzed samples contained dissolved arsenic ranging in concentration from 1.21 to 13.3 ug/l. Total arsenic samples contained 1.65 to 12.5 ug/l. Notably, there was little difference between dissolved and total arsenic concentrations in the wells, suggesting there was very little turbidity in the samples. Three of the samples contained slightly higher concentrations in the dissolved samples versus the total arsenic samples, which could be the result of variability in well flow, sampling and laboratory analyses. Five of the eight samples (MW-1, MW-1S, MW-1D, MW-10 and MW-11) exceed the MTCA Method A groundwater cleanup criteria of 5 ug/l, a level below the

Federal drinking water standards (Federal Maximum Contaminant Level (M.C.L.)) of 10 ug/l, for both total and dissolved arsenic.

Monitoring well MW-1D is the on-site well most likely to reflect native conditions, due to its depth and short screen interval in a deep water-bearing zone. Total arsenic concentrations measured in this well range from 9.14 to 10.3 ug/l.

Comparison to Prior Sampling
The reported detections are relatively similar to previous groundwater sampling conducted during our prior site investigations and periodic monitoring. Table 3 summarizes the groundwater sample analytical results from our prior monitoring events along with the current data. Notable differences between the current testing and prior rounds include MW-3, which in initial April 2017 testing contained low but detectable concentrations of acetone, naphthalene, vinyl chloride, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene. Eight samples taken since October 2017, including the current round of testing, found no detectable concentrations of any of these analyzed parameters.

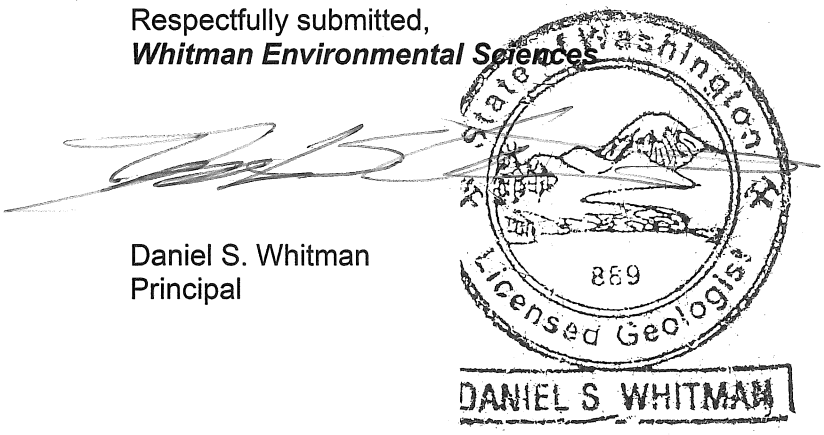
In earlier testing, monitoring well MW-5 was found to contain PCE, TCE, cis-1,2 dichloroethene and vinyl chloride. However, in four sampling events since July 2019, the concentrations have generally shown a reducing trend and the three most recent samples have not detected any compounds exceeding MTCA cleanup criteria.

Recommendations
Groundwater sampling and analysis are important parts of compliance monitoring for this site. Additional quarterly monitoring will be conducted to evaluate areas of the site have groundwater that consistently exceeds MTCA cleanup criteria and monitor progress of remedial actions.

With the 2nd Quarter 2020 monitoring event, some wells have now demonstrated four or more consecutive quarters of results with no violations of MTCA groundwater cleanup criteria, or in some cases, no detections of the monitored parameters. Future monitoring can be limited to a sub-set of wells and analytical parameters. WES' April 6, 2020 Compliance Monitoring Plan (CMP) establishes the long-term monitoring requirements for the property. It may be appropriate to include analysis for arsenic in a select number of wells during future monitoring events to evaluate the response to in-situ groundwater remedial actions.

Closure
Thank you for the opportunity to be of service to you in this matter. If you have any questions regarding this letter, or if I may be of any further assistance, please feel free to contact me.

Respectfully submitted,
Whitman Environmental Sciences



Daniel S. Whitman
Principal

TABLES

Table 1 - Summary of Groundwater Level Measurements
Table 2 - Summary of 2nd Quarter 2020 Groundwater Sample Analytical Results
Table 3 - Summary of 2017-2020 Groundwater Sample Analytical Results

FIGURES

Figure 1 - Site Location Map
Figure 2 - Monitoring Well Location Plan and Inferred Groundwater Contours
Figure 3 - Groundwater Analytical Results

APPENDICES

APPENDIX A - Laboratory Analytical Report - Friedman & Bruya, Inc.

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-1	10/30/2017	200.26	-6.68	193.58	2" Well, 29' deep
	11/7/2017		-6.37	193.89	
	6/14/2018		-6.28	193.98	
	9/7/2018		-7.55	192.71	
	12/6/2018		-8.15	192.11	
	2/25/2018		-5.34	194.92	
	7/22/2019		-6.90	193.36	
	9/3/2019		-7.54	192.72	
	10/3/2019		-6.77	193.49	
	12/4/2019		-6.47	193.79	
	3/17/2020		-5.72	194.54	
	5/19/2020		-6.08	194.18	
MW-1S	10/30/2017	198.99	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		Not installed yet		
	2/25/2019		Not installed yet		
	7/22/2019		Not installed yet		
	9/3/2019		-6.72	192.27	2" Well, 15' deep, 10' screen
	10/3/2019		-6.10	192.89	
	12/4/2019		-6.30	192.69	
	3/17/2020		-6.08	192.91	
	5/19/2020		-5.49	193.50	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-1D	10/30/2017	199.02	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		Not installed yet		
	2/25/2019		Not installed yet		
	7/22/2019		Not installed yet		
	9/3/2019		-5.58	193.44	2" Well, 40' deep, 5 ft screen
	10/3/2019		-5.14	193.88	
	12/4/2019		-5.96	193.06	
	3/17/2020		-4.32	194.70	
	5/19/2020		-4.64	194.38	
MW-2	10/30/2017	201.08	-5.94	195.14	2" Well, 29' deep
	11/7/2017		-5.78	195.30	
	6/14/2018		-5.83	195.25	
	9/7/2018		-7.29	193.79	
	12/6/2018		-6.42	194.66	
	2/25/2018		-6.71	194.37	
	7/22/2019		-6.11	194.97	
	9/3/2019		-6.62	194.46	
	10/3/2019		-6.16	194.92	
	12/4/2019		-5.85	195.23	
	3/17/2020		-5.29	195.79	
	5/19/2020		-5.48	195.60	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-3	10/30/2017	199.98	-4.81	195.17	3/4" Well, 10.6' deep
	11/7/2017		-5.09	194.89	
	6/14/2018		-4.80	195.18	
	9/7/2018		-5.86	194.12	
	12/6/2018		-4.15	195.83	
	2/25/2019		-3.71	196.27	
	7/22/2019		-5.15	194.83	
	9/3/2019		-5.64	194.34	
	10/3/2019		-5.43	194.55	
	12/4/2019		-5.13	194.85	
	3/17/2020		-4.52	195.46	
	5/19/2020		-4.71	195.27	
MW-4	10/30/2017	199.36	-8.65	190.71	2" Well, 29' deep
	11/7/2017		-8.45	190.91	
	6/14/2018		-8.32	191.04	
	9/7/2018		-10.02	189.34	
	12/6/2018		-7.98	191.38	
	2/25/2019		-7.03	192.33	
	7/22/2019		-8.68	190.68	
	9/3/2019		-9.18	190.18	
	10/3/2019		-8.72	190.64	
	12/4/2019		-8.54	190.82	
	3/17/2020		-7.93	191.43	
	5/19/2020		-8.23	191.13	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-5	10/30/2017	200.99	-6.53	194.46	3/4" Well, 12' deep
	11/7/2017		-6.22	194.77	
	6/14/2018		-6.10	194.89	
	9/7/2018		-7.47	193.52	
	12/6/2018		-5.69	195.30	
	2/25/2019		-4.95	196.04	
	7/22/2019		-6.76	194.23	
	9/3/2019		-7.13	193.86	
	10/3/2019		-6.50	194.49	
	12/4/2019		-6.11	194.88	
	3/17/2020		-5.32	195.67	
	5/19/2020		-5.76	195.23	
MW-6	10/30/2017	200.27	-2.75	197.52	3/4" Well, 12' deep
	11/7/2017		-2.10	198.17	
	6/14/2018		-2.82	197.45	
	9/7/2018		-4.85	195.42	
	12/6/2018		-2.07	198.20	
	2/25/2019		-1.70	198.57	
	7/22/2019		-3.23	197.04	
	9/3/2019		-4.58	195.69	
	10/3/2019		-3.15	197.12	
	12/4/2019		-2.64	197.63	
	3/17/2020		-2.02	198.25	
	5/19/2020		-2.84	197.45	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-7	10/30/2017	199.56	-2.41	197.15	1" Well, 11.5' deep
	11/7/2017		-1.70	197.86	
	6/14/2018		-2.66	196.90	
	9/7/2018		-4.34	195.22	
	12/6/2018		-1.69	197.87	
	2/25/2019		-2.32	197.24	
	7/22/2019		-3.18	196.38	
	9/3/2019		-4.07	195.49	
	10/3/2019		-2.97	196.59	
	12/4/2019		-2.27	197.29	
	3/17/2020		-1.65	197.91	
	5/19/2020		-2.18	197.38	
MW-8 (Drilled as BN-7)	10/30/2017	216.51	NM	--	2" Well, 22' deep
	11/7/2017		-15.16	201.35	
	6/28/2018		-15.27	201.24	
	9/7/2018		-15.76	200.75	
	12/6/2018		-14.92	201.59	
	2/25/2019		-14.13	202.38	
	7/22/2019		-15.41	201.10	
	9/3/2019		-15.62	200.89	
	10/3/2019		-15.41	201.10	
	12/4/2019		-15.23	201.28	
	3/17/2020		-14.62	201.89	
	5/19/2020		-15.05	201.46	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-9 (Drilled as BN-10)	10/30/2017	214.25	NM	--	2" Well, 25' deep
	11/7/2017		-13.14	201.11	
	7/13/2018		-13.99	200.26	
	9/7/2018		-14.71	199.54	
	12/6/2018		NM	--	
	2/25/2019		-12.07	202.18	
	7/22/2019		-14.04	200.21	
	9/3/2019		-14.46	199.79	
	10/3/2019		-13.79	200.46	
	12/4/2019		-13.91	200.34	
	3/17/2020		-12.73	201.52	
	5/19/2020		-13.21	201.04	
MW-10 (Drilled as SMW-01)	10/30/2017	196.88	Not installed yet		
	11/7/2017		-10.21	186.67	2" Well, 15' deep
	6/14/2018		-9.88	187.00	
	9/7/2018		-10.35	186.53	
	12/6/2018		NM	--	
	2/25/2019		NM	--	
	7/22/2019		-10.04	186.84	
	9/3/2019		-9.95	186.93	
	10/3/2019		-9.99	186.89	
	12/4/2019		-9.91	186.97	
	3/17/2020		-9.68	187.20	
	5/19/2020		-9.67	187.21	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-11	10/30/2017	198.20	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		Not installed yet		
	2/25/2019		Not installed yet		
	7/22/2019		Not installed yet		
	9/3/2019		-6.54	191.66	2" Well, 15' deep
	10/3/2019		-5.74	192.46	
	12/4/2019		-5.57	192.63	
	3/17/2020		-5.73	192.47	
	5/19/2020		-5.26	192.94	
MW-12	10/30/2017	198.89	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		Not installed yet		
	2/25/2019		Not installed yet		
	7/22/2019		Not installed yet		
	9/3/2019		-7.69	191.20	2" Well, 15' deep
	10/3/2019		-6.25	192.64	
	12/4/2019		-5.72	193.17	
	3/17/2020		-4.57	194.32	
	5/19/2020		-5.20	193.69	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-13	10/30/2017	201.80*	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		Not installed yet		
	2/25/2019		Not installed yet		
	7/22/2019		Not installed yet		
	9/3/2019		Not installed yet		2" Well, 20' deep
	10/3/2019		-7.55*	194.25*	* Prior to development
	12/4/2019		-7.58	194.22	
	3/17/2020		-6.96	194.84	
	5/19/2020		-7.08	194.72	
MW-14	10/30/2017	203.09	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		Not installed yet		
	2/25/2019		Not installed yet		
	7/22/2019		Not installed yet		
	9/3/2019		-5.64	197.45	2" Well, 15' deep
	10/3/2019		-4.42	198.67	
	12/4/2019		-3.85	199.24	
	3/17/2020		-4.86	198.23	
	5/19/2020		-4.40	198.69	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
MW-15	10/30/2017	200.85*	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		Not installed yet		
	2/25/2019		Not installed yet		
	7/22/2019		Not installed yet		
	9/3/2019		Not installed yet		
	10/3/2019		Not installed yet		
	12/4/2019		Not installed yet		
	4/2/2020		-7.12	193.73	
	5/19/2020		-5.67	195.18	
GEO B-7	10/30/2017	201.12	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		-5.70	195.42	2" Well, 20' deep
	2/25/2019		-5.85	195.27	
	7/22/2019		-5.91	195.21	
	9/3/2019		NM	--	
	10/3/2019		-6.42	194.70	
	12/4/2019		-6.10	195.02	
	3/17/2020		-5.81	195.31	
	5/19/2020		-5.67	195.45	

TABLE 1
Summary of Groundwater Level Measurements
104 - 124 12th Avenue and 1209 E. Fir Street, Seattle, Washington

Monitoring Well	*Date*	*Top of Pipe Elevation*	*Water Level Below T.O.P.*	*Water Elevation*	*Comments*
GEO B-8	10/30/2017	214.79	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		-13.83	200.96	2" Well, 35' deep
	2/25/2019		NM	--	
	7/22/2019		-14.13	200.66	
	9/3/2019		-15.25	199.54	
	10/3/2019		-14.65	200.14	
	12/4/2019		-14.22	200.57	
	3/17/2020		-13.50	201.29	
	5/19/2020		-14.01	200.78	
GEO B-9	10/30/2017	200.69	Not installed yet		
	11/7/2017		Not installed yet		
	6/14/2018		Not installed yet		
	9/7/2018		Not installed yet		
	12/6/2018		-6.33	194.36	2" Well, 15' deep
	2/25/2019		-5.37	195.32	
	7/22/2019		-6.67	194.02	
	9/3/2019		-7.57	193.12	
	10/3/2019		-7.11	193.58	
	12/4/2019		-6.60	194.09	
	3/17/2020		-5.78	194.91	
	5/19/2020		-6.17	194.52	

Table Notes:
NM - Not measured due to obstruction over well.
Top of Pipe elevations determined by site surveys, Terrane, Inc., November 2017 and August 2019.
MW-13 and MW-15 top of pipe elevations by WES, back-sighted to previously surveyed monitoring wells.

TABLE 2
2ND Quarter 2020 Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-1-GW	Pre-existing well in NE corner of 104 12th parking lot	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.8 ***Vinyl Chloride:*** ***0.47*** ND (all other)	Arsenic: Dissolved: 10.8 Total: 9.49
MW-1S-GW	Shallow monitoring well in NE corner of 104 12th parking lot property. Outside fence accessed through King County parking area. Cluster with MW-1D	5/19/2020	Gasoline Range: ND (<100) Diesel: 51[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	***Vinyl Chloride:*** ***0.21*** ND (all other)	Arsenic: Dissolved: 13.3 Total: 12.5
MW-1D-GW	Deep monitoring well in NE corner of 104 12th parking lot property. Outside fence accessed through King County parking area. Cluster with MW-1S	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: Dissolved: 10.1 Total: 9.65
MW-2-GW	Pre-existing well in NW corner of 104 12th parking lot	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
MW-3-GW	Pre-existing well adjacent to floor sump in SW corner of 104 12th basement	5/19/2020	Gasoline Range: ND (<100) Diesel: 390[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
MW-4-GW	Pre-existing well in SW corner of 104 12th parking lot	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
MW-5-GW	Pre-existing well along N side of 104 12th parking lot	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 3.6 Trichloroethene: 2.8 ND (all other)	NA
MW-6-GW	Pre-existing well near NW corner of 104 12th basement	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 4.5 Tetrachloroethene: 1.1 ND (all other)	Arsenic: Dissolved: 1.21 Total: 1.65

TABLE 2
2ND Quarter 2020 Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-7-GW (Drilled as WES–8)	In N corridor of 104 12th basement, 25' W of WES-7	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
MW-8-GW (Drilled as BN-7)	Near NW corner of 124 12th property - former location of gas station pump island	5/19/2020	Gasoline Range: 700 Diesel: 96X Motor Oil: ND (<250)	Benzene: 0.52 Toluene: ND (<1) Ethylbenzene: 3.2 Xylenes: 69	1,2,4-Trimethylbenzene: 26 1,3,5-Trimethylbenzene: 20 ND (all other)	Arsenic: Dissolved: 3.44 Total: 4.93
MW-9-GW (Drilled as BN-10)	NW gravel parking lot, S end of parking lot - likely S of former UST location	5/19/2020	***Gasoline Range: 2,100*** ***Diesel: 1,200X*** Motor Oil: 290x	***Benzene: 5.5*** Toluene: 2.3 Ethylbenzene: 17 Xylenes: 5	Hexane: 14 Isopropylbenzene: 74 n-Propylbenzene: 220 sec-Butylbenzene: 16 p-Isopropyltoluene: 1.5 ND (all other)	NA
MW-10 (Drilled as SES-1)	In SE corner of 104 12th parking lot property. Outside fence accessed through King County parking area.	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: Dissolved: 5.18 Total: 5.41
MW-11	On E edge of 104 12th parking lot property. Outside fence accessed through King County parking area.	5/19/2020	Gasoline Range: ND (<100) Diesel: 99X Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 3.1 ***Vinyl chloride: 0.27*** ND (all other)	Arsenic: Dissolved: 7.98 Total: 8.96
MW-12	In SE central part of 104 12th parking lot property.	5/19/2020	Gasoline Range: ND (<100) Diesel: 130X Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: Dissolved: 4.39 Total: 4.40
MW-13	Sidewalk of Yesler Way, in front of garage door entry, adjacent to OS-4.	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
MW-14	At base of slope in open Center part of property, outside tenant access to former dry cleaner space in 118 12th bldg.	5/19/2020	Gasoline Range: ND (<100) Diesel: 110x Motor Oil: ND (<250)	Benzene: 0.89 Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.3 ***Vinyl chloride: 0.28*** ND (all other)	NA

TABLE 2
2ND Quarter 2020 Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene Toluene Ethyl benzene Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-15	In N central part of SE parking lot	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
Geotech B-7 (GEO B-7)	In NW part of parking lot E of 104 12th , between previous borings MW-2 and MW-5	5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 2.5 Trichloroethene: 1.8 ND (all other)	NA
Geotech B-8 (GEO B-8)	In S central area of NW gravel parking lot, between borings BN-10, AEG-B-2 and AEG-B-4	5/19/2020	Gasoline Range: ND (<100) Diesel: 380X Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
Geotech B-9 (GEO B-9)	In NE part of parking lot E of 104 12th, between previous borings MW-5 and MW-1	5/19/2020	Gasoline Range: ND (<100) Diesel: 63X Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.0 ND (all other)	NA
Washington State Model Toxics Control Act (MTCA) Groundwater Cleanup Criteria (ug/l)			***Gasoline: 800A*** ***(Benzene is present)*** ***Diesel or Motor Oil: 500A (combined)***	***Benzene: 5A*** ***Toluene: 1,000A*** ***Ethylbenzene: 700A*** ***Xylenes: 1,000A***	***cis-1,2-Dichloroethene: 16B*** ***Hexane: 480B*** ***Isopropylbenzene: 800B*** ***n-Propylbenzene: 800B*** ***p-Isopropyltoluene: NV*** ***sec-Butylbenzene: 800B*** ***Tetrachloroethene: 5A*** ***Trichloroethene: 5A*** ***Vinyl chloride: 0.2A*** ***1,2,4-Trimethylbenzene: 80B*** ***1,3,5-Trimethylbenzene: 80B***	***Arsenic: 5A*** ***Chromium: 50A*** ***Lead: 15A*** ***Iron: 11,000B*** ***Manganese: 750B***

Table Notes:
ND (<XXX) - Parameter not detected at concentrations at or above the noted reporting limit.
NA - Sample not analyzed for the listed parameter.
Gasoline Range Total Petroleum Hydrocarbons by Method NWTPH-G.
Diesel and Motor Oil Range Total Petroleum Hydrocarbons by Method NWTPH-D(x).
[x] - Indicates sample chromatogram does not resemble fuel standard used for analysis. Most likely carry over from gasoline range hydrocarbons, or non-petroleum organic matter.
BTEX compounds and other volatile organic compounds by EPA Method 8260C. All detected compounds summarized here. See laboratory report for full list of analyzed parameters.
Total Lead on unfiltered samples by EPA Method 6020B.
Dissolved and total Iron and Manganese as general water parameters as part of clean-up feasability study. Analyses by EPA Method 6020B.
Dissolved and total arsenic by EPA Method 6020B. Total arsenic on unfiltered samples. Dissolved arsenic on field filtered samples using 0.45 micron single-use filters.

MTCA Groundwater cleanup criteria per Chapter 173-340-720 WAC. Method A criteria presented where available. Method B standard formula values shown where no Method A criteria available. Method B standard formula values from Dept. of Ecology 2020 Cleanup Levels and Risk Calculation (CLARC) database. NV indicates no value available from CLARC.

A - Method A listed
B - Method B Direct Contact
NV - No published value

Sample results exceeding applicable cleanup criteria are noted in ***Bold Italic***.

TABLE 3
2017-2020 Summary of Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
Permanently Installed Monitoring Wells						
MW-1-GW	Pre-existing well in NE corner of 104 12th parking lot	6/30/2017	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	Vinyl Chloride: 0.20 ND (all other)	NA
		10/30/2017	Gasoline Range: NA Diesel: NA Motor Oil: NA	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		6/14/2018	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	***Vinyl Chloride: 0.27*** ND (all other)	NA
		12/6/2018	Gasoline Range: NA Diesel: NA Motor Oil: NA	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Iron Dissolved: 247 Total: 562 Manganese Dissolved: 539 Total: 577
		7/22/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 2.1 ***Vinyl Chloride: 0.55*** ND (all other)	NA
		12/4/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 2.3 ***Vinyl Chloride: 0.73*** ND (all other)	Arsenic: 13.0 Chromium: ND(<1) Lead: ND(<1)
		3/5/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.8 ***Vinyl Chloride: 0.47*** ND (all other)	Arsenic: Dissolved: 10.8 Total: 9.49

TABLE 3
2017-2020 Summary of Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-1S-GW	Shallow monitoring well in NE corner of 104 12th parking lot property. Outside fence accessed through King County parking area. Cluster with MW-1D	8/6/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	***Vinyl Chloride: 0.21*** ND (all other)	NA
		12/4/2019	Gasoline Range: ND (<100) Diesel: 72[x] Motor Oil: 340	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	***Vinyl Chloride: 0.29*** ND (all other)	Arsenic: 16.5 Chromium: 1.16 Lead: ND(<1)
		2/26/2020	Gasoline Range: ND (<100) Diesel: 100[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: 51[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	***Vinyl Chloride: 0.21*** ND (all other)	Arsenic: Dissolved: 13.3 Total: 12.5
MW-1D-GW	Deep monitoring well in NE corner of 104 12th parking lot property. Outside fence accessed through King County parking area. Cluster with MW-1S	8/6/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		12/4/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: 9.14 Chromium: ND(<1) Lead: ND(<1)
		3/3/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic 10.3 Lead: ND(<1)
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: Dissolved: 10.1 Total: 9.65

TABLE 3
2017-2020 Summary of Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-2-GW	Pre-existing well in NW corner of 104 12th parking lot	4/4/2017	Gasoline Range: NA Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	NA
		10/30/2017	Gasoline Range: NA Diesel: NA Motor Oil: NA	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	NA
		6/14/2018	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		7/22/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		12/4/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		3/17/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons *(by Methods NWTPH-G & NWTPH-D(X))*	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** *(by EPA Method 8260C)*	***Other Volatile Organic Compounds (by EPA Method 8260C)*** *List of 58 Additional Compounds Detectable by the Laboratory Method.*	***Total Metals***
MW-3-GW	Pre-existing well adjacent to floor sump in SW corner of 104 12th basement	4/3/2017	Gasoline Range: 110 Diesel: 400[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: 2.5 Ethylbenzene: ND (<1) Xylenes: 7.9	Acetone: 11 Naphthalene: 4.7 ***Vinyl Chloride:*** ***0.34*** 1,2,4-Trimethylbenzene: 4.9 1,3,5-Trimethylbenzene: 1.1 ND (all other)	NA
		10/30/2017	Gasoline Range: NA Diesel: NA Motor Oil: NA	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	NA
		6/14/2018	Gasoline Range: ND (<100) Diesel: 210[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		2/25/2019	Gasoline Range: ND (<100) Diesel: 400[x] Motor Oil: ND (<300)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Lead: ND (<1)
		4/3/2019	Gasoline Range: ND (<100) Diesel: 420[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		7/23/2019	Gasoline Range: ND (<100) Diesel: 170[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Lead: ND (<1)
		12/4/2019	Gasoline Range: ND (<100) Diesel: 280[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		3/17/2020	Gasoline Range: ND (<100) Diesel: 210 Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: 390[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA

Boring/ Sample I.D.	*Sample Location*	*Sample Date*	*Laboratory Analytical Results (ug/l)*			
			Total Petroleum Hydrocarbons *(by Methods NWTPH-G & NWTPH-D(X))*	***Benzene, Toluene, Ethyl benzene, Xylenes*** *(by EPA Method 8260C)*	***Other Volatile Organic Compounds (by EPA Method 8260C)*** *List of 58 Additional Compounds Detectable by the Laboratory Method.*	***Total Metals***
MW-4-GW	Pre-existing well in SW corner of 104 12th parking lot	4/5/2017	Gasoline Range: NA Diesel: 67[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	NA
		10/30/2017	Gasoline Range: NA Diesel: NA Motor Oil: NA	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	NA
		6/14/2018	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		7/23/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		12/9/2019	Gasoline Range: ND (<100) Diesel: 180[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		3/17/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA

TABLE 3
2017-2020 Summary of Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-5-GW	Pre-existing well along N side of 104 12th parking lot	4/5/2017	Gasoline Range: NA Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	Acetone: 12 ND (all other)	NA
		10/30/2017	Gasoline Range: NA Diesel: NA Motor Oil: NA	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 10 Tetrachloroethene: 1.4 ***Trichloroethene: 9.1*** ***Vinyl Chloride: 0.29*** ND (all other)	NA
		6/14/2018	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 8.3 Tetrachloroethene: 1.3 Trichloroethene: 5.0 ***Vinyl Chloride: 0.25*** ND (all other)	NA
		12/6/2018	Gasoline Range: NA Diesel: NA Motor Oil: NA	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 8.4 Tetrachloroethene: 2.1 ***Trichloroethene: 11*** ***Vinyl Chloride: 0.37*** ND (all other)	Iron Dissolved: 195 Total: 283 Manganese Dissolved: 478 Total: 472
		7/22/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 10 Tetrachloroethene: 1.1 ***Trichloroethene: 6.5*** ND (all other)	Lead: ND (<1)
		12/4/2019	Gasoline Range: ND (<100) Diesel: 52[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 3.5 Tetrachloroethene: 1.3 Trichloroethene: 2.2 ND (all other)	NA
		3/5/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.4 Trichloroethene: 2.2 ND (all other)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 3.6 Trichloroethene: 2.8 ND (all other)	NA

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-6-GW	Pre-existing well near NW corner of 104 12th basement	4/4/2017	Gasoline Range: NA Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: 1.2 Ethylbenzene: ND (<1) Xylenes: 5.5	cis-1,2-Dichloroethene: 1.3 1,2,4-Trimethylbenzene: 3.4 ND (all other)	NA
		6/14/2018	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 9.6 Chloroform 1.1 Tetrachloroethene 1.2 ND (all other)	NA
		7/23/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	***cis-1,2-Dichloroethene: 17*** Trichloroethene: 1.7 ND (all other)	NA
		12/4/2019	Gasoline Range: ND (<100) Diesel: 78[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 5.7 Tetrachloroethene: 1.3 ND (all other)	NA
		3/17/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 3.3 Tetrachloroethene: 1.1 ND (all other)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 4.5 Tetrachloroethene: 1.1 ND (all other)	Arsenic: Dissolved: 1.21 Total: 1.65

TABLE 3
2017-2020 Summary of Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-7-GW (Drilled as WES–8)	In N corridor of 104 12th basement, 25' W of WES-7	6/30/2017	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	NA
		6/14/2018	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		7/23/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		12/4/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		3/17/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA

TABLE 3
2017-2020 Summary of Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-8-GW (Drilled as BN-7)	Near NW corner of 124 12th property - former location of gas station pump island	8/3/2017	***Gasoline Range: 3,200*** ***Diesel: 790[x]*** Motor Oil: ND (<250)	***Benzene: 11*** Toluene: ND (<1) Ethylbenzene: 71 Xylenes: m&p: 360 o: 59	Isopropylbenzene: 12 n-Propylbenzene: 24 Naphthalene: 8.9 p-Isopropyltoluene: 1.1 sec-Butylbenzene: 1.8 ***1,2,4-Trimethylbenzene: 180*** 1,3,5-Trimethylbenzene: 59 ND (all other)	NA
		6/28/2018	***Gasoline Range: 2,400*** Diesel: 160[x] Motor Oil: ND (<250)	Benzene: 2.9 Toluene: ND (<1) Ethylbenzene: 85 Xylenes: m&p: 320 o: 64	Isopropylbenzene: 14 n-Propylbenzene: 33 Naphthalene: 1.6 p-Isopropyltoluene: 1.1 sec-Butylbenzene: 1.9 ***1,2,4-Trimethylbenzene: 150*** 1,3,5-Trimethylbenzene: 54 ND (all other)	NA
		7/23/2019	Gasoline Range: 740 Diesel: 64[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: 10 Xylenes: 96	Isopropylbenzene: 3.1 n-Propylbenzene: 8.1 sec-Butylbenzene: 1.0 1,2,4-Trimethylbenzene: 67 1,3,5-Trimethylbenzene: 27 ND (all other)	Lead: ND (<1)
		12/9/2019	Gasoline Range: 350 Diesel: 62[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: 4.3 Xylenes: 49.7	Isopropylbenzene: 1.3 n-Propylbenzene: 2.1 1,2,4-Trimethylbenzene: 34 1,3,5-Trimethylbenzene: 14 ND (all other)	Arsenic: 9.21 Chromium: ND (<1) Lead: ND (<1)
		2/28/2020	Gasoline Range: 640 Diesel: 79[x] Motor Oil: ND (<250)	Benzene: 0.64 Toluene: ND (<1) Ethylbenzene: 7.5 Xylenes: 74	Isopropylbenzene: 3.2 n-Propylbenzene: 4.0 1,2,4-Trimethylbenzene: 57 1,3,5-Trimethylbenzene: 23 ND (all other)	NA
		5/19/2020	Gasoline Range: 700 Diesel: 96[x] Motor Oil: ND (<250)	Benzene: 0.52 Toluene: ND (<1) Ethylbenzene: 3.2 Xylenes: 69	1,2,4-Trimethylbenzene: 26 1,3,5-Trimethylbenzene: 20 ND (all other)	Arsenic: Dissolved: 3.44 Total: 4.93

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-9-GW (Drilled as BN-10)	NW gravel parking lot, S end of parking lot - likely S of former UST location	8/3/2017	Gasoline Range: 500 Diesel: 270[x] Motor Oil: ND (<250)	***Benzene: 6.8*** Toluene: 1.3 Ethylbenzene: 6.3 Xylenes: 4.3	Hexane: 4.3 Isopropylbenzene: 7.2 n-Propylbenzene: 17 sec-Butylbenzene: 1.5 1,2,4-Trimethylbenzene: 1.3 1,3,5-Trimethylbenzene: 1.4 ND (all other)	NA
		7/13/2018	Gasoline Range: 470 Diesel: 180[x] Motor Oil: ND (<250)	Benzene: 5.0 Toluene: ND (<1) Ethylbenzene: 8.5 Xylenes: 3.2	Isopropylbenzene: 12 n-Propylbenzene: 23 sec-Butylbenzene: 1.9 1,2,4-Trimethylbenzene: 1.1 ND (all other)	NA
		7/23/2019	Gasoline Range: 500 Diesel: 210[x] Motor Oil: ND (<250)	Benzene: 2.1 Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	Hexane: 1.4 Isopropylbenzene: 16 n-Propylbenzene: 48 sec-Butylbenzene: 3.9 ND (all other)	Lead: ND (<1)
		12/5/2019	***Gasoline Range: 2,900*** Diesel: 620[x] Motor Oil: ND (<250)	***Benzene: 9.5*** Toluene: 4.3 Ethylbenzene: 31 Xylenes: 9.3	Hexane: 10 Isopropylbenzene: 82 n-Propylbenzene: 210 Naphthalene: 1.2 p-Isopropyltoluene: 1.4 sec-Butylbenzene: 19 1,2,4-Trimethylbenzene: 1.7 ND (all other)	NA
		2/28/2020	***Gasoline Range: 3,900*** ***Diesel: 1,100[x]*** Motor Oil: ND (<250)	***Benzene: 9.5*** Toluene: 3.7 Ethylbenzene: 43 Xylenes: 6.7	Hexane: 7.2 Isopropylbenzene: 110 n-Propylbenzene: 310 sec-Butylbenzene: 22 1,2,4-Trimethylbenzene: 1.7 ND (all other)	NA
		5/19/2020	***Gasoline Range: 2,100*** ***Diesel: 1,200[x]*** Motor Oil: 290[x]	***Benzene: 5.5*** Toluene: 2.3 Ethylbenzene: 17 Xylenes: 5	Hexane: 14 Isopropylbenzene: 74 n-Propylbenzene: 220 sec-Butylbenzene: 16 p-Isopropyltoluene: 1.5 ND (all other)	NA

Boring/ Sample I.D.	Sample Location	Sample Date	Laboratory Analytical Results (ug/l)			
			Total Petroleum Hydrocarbons (by Methods NWTPH-G & NWTPH-D(X))	**Benzene, Toluene, Ethyl benzene, Xylenes** (by EPA Method 8260C)	**Other Volatile Organic Compounds (by EPA Method 8260C)** List of 58 Additional Compounds Detectable by the Laboratory Method.	**Total Metals**
MW-10 (Drilled as SES-1)	In SE corner of 104 12th parking lot property. Outside fence accessed through King County parking area.	11/3/2017	Gasoline Range: ND (<100) Diesel: 69[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	NA
		6/14/2018	Gasoline Range: ND (<100) Diesel: 66[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 1.2 ND (all other)	NA
		7/22/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	Lead: ND (<1)
		12/5/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: 9.30 Chromium: ND(<1) Lead: ND(<1)
		2/26/2020	Gasoline Range: ND (<100) Diesel: 66[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: Dissolved: 5.18 Total: 5.41

TABLE 3
2017-2020 Summary of Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-11	On E edge of 104 12th parking lot property. Outside fence accessed through King County parking area.	7/22/2019	Gasoline Range: ND (<100) Diesel: 400[x] Motor Oil: 370[x]	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 1.9 ND (all other)	Lead: ND (<1)
		12/5/2019	Gasoline Range: ND (<100) Diesel: 61[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 2.9 ***Vinyl chloride: 0.22*** ND (all other)	Arsenic: 15.0 Chromium: ND(<1) Lead: ND(<1)
		3/3/2020	Gasoline Range: ND (<100) Diesel: 130[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 2.8 ND (all other)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: 99[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 3.1 ***Vinyl chloride: 0.27*** ND (all other)	Arsenic: Dissolved: 7.98 Total: 8.96
MW-12	In SE central part of 104 12th parking lot property.	7/22/2019	Gasoline Range: ND (<100) Diesel: 140[x] Motor Oil: 270[x]	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	Lead: ND (<1)
		12/4/2019	Gasoline Range: ND (<100) Diesel: 120[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: 4.53 Chromium: ND(<1) Lead: ND(<1)
		3/17/2020	Gasoline Range: ND (<100) Diesel: 120[X] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: 130[X] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Arsenic: Dissolved: 4.39 Total: 4.40

TABLE 3
2017-2020 Summary of Groundwater Sample Analytical Results
104 - 124 12th Avenue & 1209 E. Fir Street, Seattle, Washington

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
MW-13	Sidewalk of Yesler Way, in front of garage door entry, adjacent to OS-4.	10/3/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	ND (all)	NA
		12/9/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		3/17/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
MW-14	At base of slope in open Center part of property, outside tenant access to former dry cleaner space in 118 12th bldg.	7/22/2019	Gasoline Range: ND (<100) Diesel: 130[x] Motor Oil: ND (<250)	Benzene: 1.8 Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 2.3 ***Vinyl chloride:*** ***0.65*** ND (all other)	Lead: ND (<1)
		12/4/2019	Gasoline Range: ND (<100) Diesel: 110[x] Motor Oil: ND (<250)	Benzene: 1.3 Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.8 ***Vinyl chloride:*** ***0.25*** ND (all other)	NA
		2/28/2020	Gasoline Range: ND (<100) Diesel: 64[x] Motor Oil: ND (<250)	Benzene: 1.8 Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 2.1 ***Vinyl chloride:*** ***0.66*** ND (all other)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: 110[x] Motor Oil: ND (<250)	Benzene: 0.89 Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.3 ***Vinyl chloride:*** ***0.28*** ND (all other)	NA

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons *(by Methods NWTPH-G & NWTPH-D(X))*	***Benzene Toluene Ethyl benzene Xylenes*** *(by EPA Method 8260C)*	***Other Volatile Organic Compounds (by EPA Method 8260C)*** *List of 58 Additional Compounds Detectable by the Laboratory Method.*	***Total Metals***
MW-15	In N central part of SE parking lot	4/2/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA
Geotech B-7 (GEO B-7)	In NW part of parking lot E of 104 12th , between previous borings MW-2 and MW-5	12/6/2018	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 1.1 ND (all other)	NA
		7/22/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 3.0 Trichloroethene: 2.3 ND (all other)	NA
		12/4/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 2.7 Trichloroethene: 1.8 ND (all other)	NA
		3/5/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 3.2 Trichloroethene: 2.9 ND (all other)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 2.5 Trichloroethene: 1.8 ND (all other)	NA

Boring/ Sample I.D.	*Sample Location*	*Sample Date*	*Laboratory Analytical Results (ug/l)*			
			Total Petroleum Hydrocarbons *(by Methods NWTPH-G & NWTPH-D(X))*	***Benzene, Toluene, Ethyl benzene, Xylenes*** *(by EPA Method 8260C)*	***Other Volatile Organic Compounds (by EPA Method 8260C)*** *List of 58 Additional Compounds Detectable by the Laboratory Method.*	***Total Metals***
Geotech B-8 (GEO B-8)	In S central area of NW gravel parking lot, between borings BN-10, AEG-B-2 and AEG-B-4	12/6/2018	Gasoline Range: ND (<100) Diesel: 210[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	Isopropylbenzene: 1.1 n-Propylbenzene: 1.8 ND (all other)	NA
		7/23/2019	Gasoline Range: ND (<100) Diesel: 140[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	Lead: ND (<1)
		12/4/2019	Gasoline Range: 150 Diesel: 410[x] Motor Oil: 360[x]	Benzene: 1.3 Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	Isopropylbenzene: 4.0 n-Propylbenzene: 7.1 sec-Butylbenzene: 1.1 ND (all other)	NA
		2/28/2020	Gasoline Range: 110 Diesel: 180[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	Isopropylbenzene: 1.4 n-Propylbenzene: 2.7 ND (all other)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: 380[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	ND (all)	NA

Boring/ Sample I.D.	***Sample Location***	***Sample Date***	***Laboratory Analytical Results (ug/l)***			
			Total Petroleum Hydrocarbons ***(by Methods NWTPH-G & NWTPH-D(X))***	***Benzene*** ***Toluene*** ***Ethyl benzene*** ***Xylenes*** ***(by EPA Method 8260C)***	***Other Volatile Organic Compounds (by EPA Method 8260C)*** ***List of 58 Additional Compounds Detectable by the Laboratory Method.***	***Total Metals***
Geotech B-9 (GEO B-9)	In NE part of parking lot E of 104 12th, between previous borings MW-5 and MW-1	12/6/2018	Gasoline Range: ND (<100) Diesel: 76[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 2.4 ***Vinyl chloride: 0.36*** ND (all other)	NA
		7/23/2019	Gasoline Range: ND (<100) Diesel: 59[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 1.4 ND (all other)	NA
		12/4/2019	Gasoline Range: ND (<100) Diesel: ND (<50) Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.5 ***Vinyl chloride: 0.22*** ND (all other)	NA
		3/5/2020	Gasoline Range: ND (<100) Diesel: 73[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<1)	cis-1,2-Dichloroethene: 1.1 ND (all other)	NA
		5/19/2020	Gasoline Range: ND (<100) Diesel: 63[x] Motor Oil: ND (<250)	Benzene: ND (<0.35) Toluene: ND (<1) Ethylbenzene: ND (<1) Xylenes: ND (<3)	cis-1,2-Dichloroethene: 1.0 ND (all other)	NA
Washington State Model Toxics Control Act (MTCA) Groundwater Cleanup Criteria (ug/l)			***Gasoline: 800[A]*** ***(Benzene is present)*** ***Diesel*** ***or Motor Oil: 500[A]*** ***(combined)***	***Benzene: 5[A]*** ***Toluene: 1,000[A]*** ***Ethylbenzene: 700[A]*** ***Xylenes: 1,000[A]***	***Acetone: 7,200[B]*** ***cis-1,2-Dichloroethene: 16[B]*** ***Hexane: 480[B]*** ***Isopropylbenzene: 800[B]*** ***n-Propylbenzene: 800[B]*** ***Naphthalene: 160[B]*** ***p-Isopropyltoluene: NV*** ***sec-Butylbenzene: 800[B]*** ***tert-Butylbenzene: 800[B]*** ***Tetrachloroethene: 5[A]*** ***Trichloroethene: 5[A]*** ***Vinyl chloride: 0.2[A]*** ***1,2,4-Trimethylbenzene: 80[B]*** ***1,3,5-Trimethylbenzene: 80[B]***	***Arsenic: 5[A]*** ***Chromium: 50[A]*** ***Lead: 15[A]*** ***Iron: 11,000[B]*** ***Manganese: 750[B]***

Table Notes:
ND (<XXX) - Parameter not detected at concentrations at or above the noted reporting limit.
NA - Sample not analyzed for the listed parameter.
Gasoline Range Total Petroleum Hydrocarbons by Method NWTPH-G.
Diesel and Motor Oil Range Total Petroleum Hydrocarbons by Method NWTPH-D(x).
[x] - Indicates sample chromatogram does not resemble fuel standard used for analysis. Most likely carry over from gasoline range hydrocarbons, or non-petroleum organic matter.
BTEX compounds and other volatile organic compounds by EPA Method 8260C. All detected compounds summarized here. See laboratory report for full list of analyzed parameters.
Total Lead on unfiltered samples by EPA Method 6020B.
Dissolved and total Iron and Manganese as general water parameters as part of clean-up feasability study. Analyses by EPA Method 6020B.
Dissolved and total arsenic by EPA Method 6020B. Total arsenic on unfiltered samples. Dissolved arsenic on field filtered samples using 0.45 micron single-use filters.

MTCA Groundwater cleanup criteria per Chapter 173-340-720 WAC. Method A criteria presented where available. Method B standard formula values shown where no Method A criteria available. Method B standard formula values from Dept. of Ecology 2020 Cleanup Levels and Risk Calculation (CLARC) database. NV indicates no value available from CLARC.

A - Method A listed
B - Method B Direct Contact
NV - No published value

Sample results exceeding applicable cleanup criteria are noted in ***Bold Italic***.

North

0 2000'

Scale 1 : 24,000

From USGS

Figure 1 - Site Map

104-124 12th Avenue & 1209 E. Fir Street
Seattle, Washington 98122

Project No.	WES - 1591
Date	June 11, 2017
File ID.	1591F1

WHITMAN
Environmental Sciences

Legend

- Approximate Location of Monitoring Well
- Approximate Location of Soil Borings (2016 -2020)
- Approximate Location of Soil Vapor Probe
- Approximate Location of Geotechnical Soil Borings (Soil Descriptions Only)
- Approximate Location of 2016 Farallon Soil Borings (No Data or Soil Descriptions, Locations Estimated)

MW-X
195.77 Well I.D. and Groundwater Elevation

Interpolated Groundwater Contours Based on Water Level Measurements on 5/19/2020

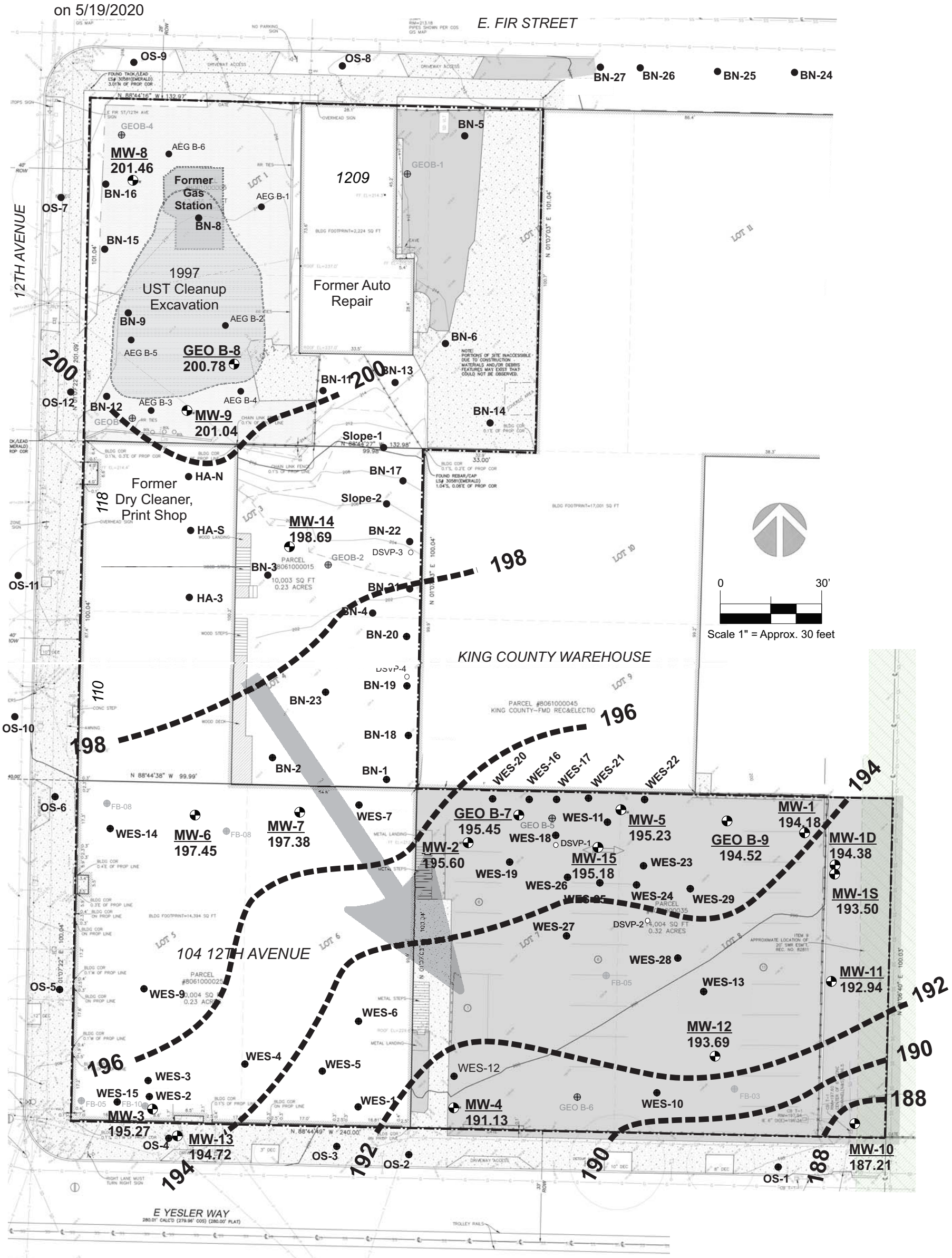
General Direction of Groundwater Migration

Figure 2 - Monitoring Well Location Plan and Interpolated Groundwater Contours - 5/19/2020

Proposed Redevelopment Property
104-124 12th Avenue & 1209 E. Fir Street
Seattle, WA

Project No.	WES - 1591A
Date	Rev Oct 18, 2020
File ID.	1591Q2F2R

WHITMAN
Environmental Sciences



Legend

- Approximate Location of Monitoring Well
- Approximate Location of Soil Borings (2016 -2020)
- Approximate Location of Soil Vapor Probe
- Approximate Location of Geotechnical Soil Borings (Soil Descriptions Only)
- Approximate Location of 2016 Farallon Soil Borings (No Data or Soil Descriptions, Locations Estimated)

GEO B-7
TCE- 2.9
C12DCE- 3.2

Sample Location I.D

Analytical Parameter Concentrations (ug/l)
(Detected Compounds Only)

Bold Italic Exceeds CUL

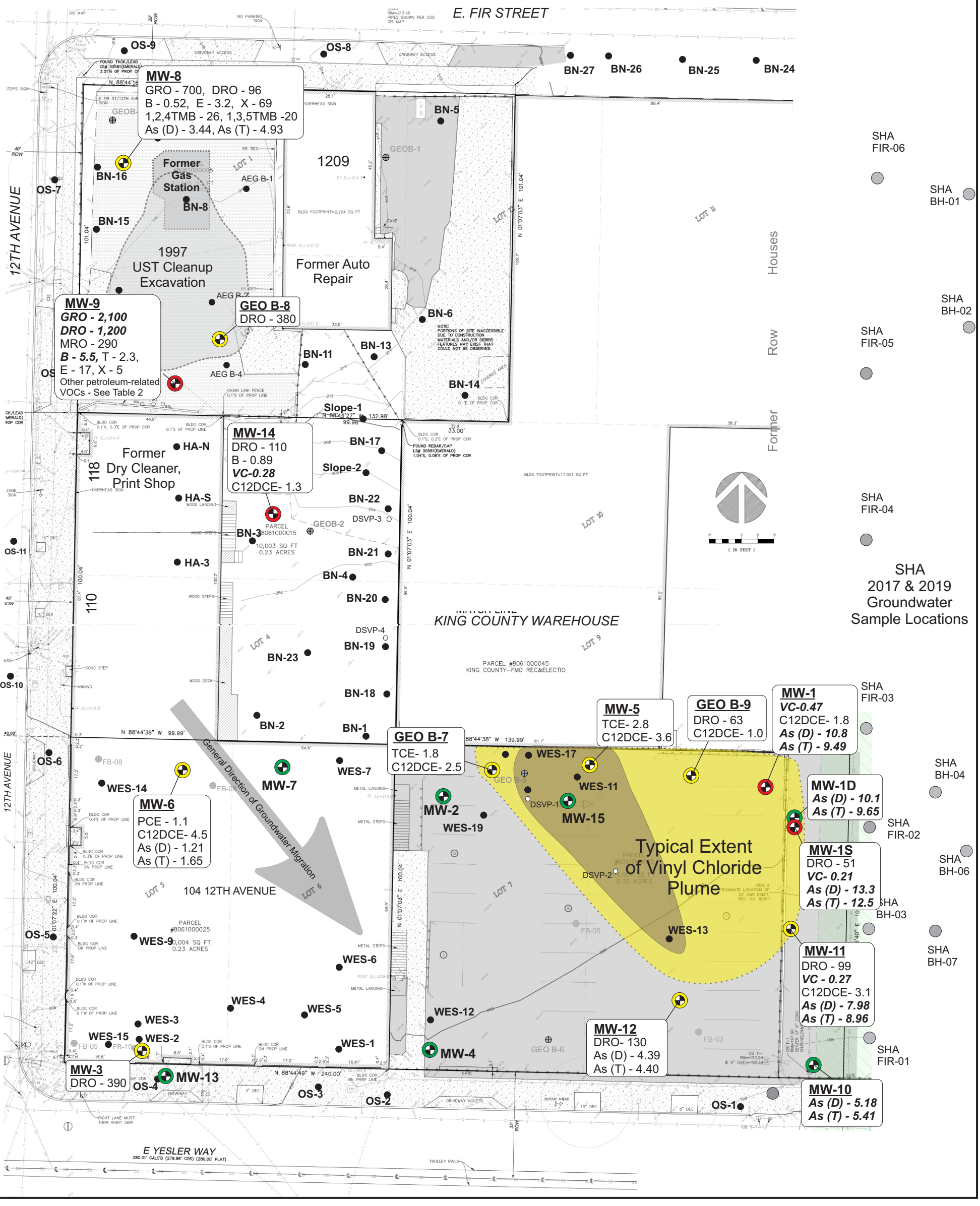
Figure 3 - 2nd Quarter 2020 Groundwater Sampling Analytical Results

Proposed Redevelopment Property
104-124 12th Avenue & 1209 E. Fir Street
Seattle, WA

Project No.	WES - 1591A
Date	Rev Sept 23, 2020
File ID.	1591Q2F3

WHITMAN Environmental Sciences

- Monitoring Well with No Detected CVOCs or Petroleum Compounds in Groundwater in 2nd Quarter 2020 Sampling
- Monitoring Well with Detected CVOCs or Petroleum Compounds in Groundwater in 2nd Quarter 2020 Sampling
- Monitoring Well with CVOCs or Petroleum Compounds above MTCA Method A in Groundwater in 2nd Quarter 2020 Sampling



APPENDIX A

Laboratory Analytical Report
Friedman & Bruya, Inc.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

June 10, 2020

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr Whitman:

Included is the amended report from the testing of material submitted on May 19, 2020 from the 12th and Yesler WES 1591, F&BI 005243 project. The total and dissolved metals were reanalyzed and the results are included in the report.

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

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
WES0602R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

June 2, 2020

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr Whitman:

Included are the results from the testing of material submitted on May 19, 2020 from the 12th and Yesler WES 1591, F&BI 005243 project. There are 52 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

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

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
WES0602R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 19, 2020 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 12th and Yesler WES 1591, F&BI 005243 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Whitman Environmental Sciences
005243 -01	MW-1-GW
005243 -02	MW-1D-GW
005243 -03	MW-1S-GW
005243 -04	MW-2-GW
005243 -05	MW-3-GW
005243 -06	MW-4-GW
005243 -07	MW-5-GW
005243 -08	MW-6-GW
005243 -09	MW-7-GW
005243 -10	MW-8-GW
005243 -11	MW-9-GW
005243 -12	MW-10-GW
005243 -13	MW-11-GW
005243 -14	MW-12-GW
005243 -15	MW-13-GW
005243 -16	MW-14-GW
005243 -17	MW-15-GW
005243 -18	Geo B7-GW
005243 -19	Geo B8-GW
005243 -20	Geo B9-GW

All quality control requirements were acceptable.

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243
Date Extracted: 05/22/20 and 05/26/20
Date Analyzed: 05/22/20 and 05/26/20

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

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
MW-1-GW 005243-01	<100	94
MW-1D-GW 005243-02	<100	93
MW-1S-GW 005243-03	<100	95
MW-2-GW 005243-04	<100	96
MW-3-GW 005243-05	<100	93
MW-4-GW 005243-06	<100	96
MW-5-GW 005243-07	<100	96
MW-6-GW 005243-08	<100	92
MW-7-GW 005243-09	<100	96
MW-8-GW 005243-10 1/5	700	94
MW-9-GW 005243-11 1/5	2,100	110

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243
Date Extracted: 05/22/20 and 05/26/20
Date Analyzed: 05/22/20 and 05/26/20

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

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
MW-10-GW 005243-12	<100	97
MW-11-GW 005243-13	<100	93
MW-12-GW 005243-14	<100	92
MW-13-GW 005243-15	<100	93
MW-14-GW 005243-16	<100	95
MW-15-GW 005243-17	<100	94
Geo B7-GW 005243-18	<100	95
Geo B8-GW 005243-19	<100	98
Geo B9-GW 005243-20	<100	97
Method Blank 00-1101 MB	<100	93
Method Blank 00-1102 MB	<100	99

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243
Date Extracted: 05/20/20
Date Analyzed: 05/20/20

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

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
MW-1-GW 005243-01	<50	<250	104
MW-1D-GW 005243-02	<50	<250	102
MW-1S-GW 005243-03	51 x	<250	97
MW-2-GW 005243-04	<50	<250	101
MW-3-GW 005243-05	390 x	<250	96
MW-4-GW 005243-06	<50	<250	94
MW-5-GW 005243-07	<50	<250	108
MW-6-GW 005243-08	<50	<250	101
MW-7-GW 005243-09	<50	<250	94
MW-8-GW 005243-10	96 x	<250	105
MW-9-GW 005243-11	1,200 x	290 x	107

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243
Date Extracted: 05/20/20
Date Analyzed: 05/20/20

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

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
MW-10-GW 005243-12	<50	<250	110
MW-11-GW 005243-13	99 x	<250	93
MW-12-GW 005243-14	130 x	<250	104
MW-13-GW 005243-15	<50	<250	106
MW-14-GW 005243-16	110 x	<250	93
MW-15-GW 005243-17	<50	<250	79
Geo B7-GW 005243-18	<50	<250	110
Geo B8-GW 005243-19	380 x	350 x	102
Geo B9-GW 005243-20	63 x	<250	105
Method Blank 00-1144 MB	<50	<250	112

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	MW-1-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-01 rex
Date Analyzed:	06/08/20 13:23:23	Data File:	005243-01 rex.056
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	10.8

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	MW-1D-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-02 rex
Date Analyzed:	06/08/20 13:28:04	Data File:	005243-02 rex.057
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	10.1

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	MW-1S-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-03 rex
Date Analyzed:	06/08/20 13:52:05	Data File:	005243-03 rex.065
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	13.3

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	MW-6-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-08 rex
Date Analyzed:	06/08/20 14:10:50	Data File:	005243-08 rex.069
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	1.21

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	MW-8-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-10 rex
Date Analyzed:	06/08/20 14:20:15	Data File:	005243-10 rex.071
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	3.44

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	MW-10-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-12 rex
Date Analyzed:	06/08/20 14:29:39	Data File:	005243-12 rex.073
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.18

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	MW-11-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-13 rex
Date Analyzed:	06/08/20 14:39:03	Data File:	005243-13 rex.075
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	7.98

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	MW-12-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-14 rex
Date Analyzed:	06/08/20 14:48:26	Data File:	005243-14 rex.077
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	4.39

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	NA	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	I0-327 mb
Date Analyzed:	06/08/20 13:14:00	Data File:	I0-327 mb.054
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	MW-1-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-01 rex
Date Analyzed:	06/08/20 11:30:24	Data File:	005243-01 rex.036
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	9.49

Analysis For Total Metals By EPA Method 6020B

Client ID:	MW-1D-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-02 rex
Date Analyzed:	06/08/20 13:47:23	Data File:	005243-02 rex.064
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	9.65

Analysis For Total Metals By EPA Method 6020B

Client ID:	MW-1S-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-03 rex
Date Analyzed:	06/08/20 13:56:47	Data File:	005243-03 rex.066
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	12.5

Analysis For Total Metals By EPA Method 6020B

Client ID:	MW-6-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-08 rex
Date Analyzed:	06/08/20 14:15:33	Data File:	005243-08 rex.070
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	1.65

Analysis For Total Metals By EPA Method 6020B

Client ID:	MW-8-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-10 rex
Date Analyzed:	06/08/20 14:24:57	Data File:	005243-10 rex.072
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	4.93

Analysis For Total Metals By EPA Method 6020B

Client ID:	MW-10-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-12 rex
Date Analyzed:	06/08/20 14:34:21	Data File:	005243-12 rex.074
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.41

Analysis For Total Metals By EPA Method 6020B

Client ID:	MW-11-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-13 rex
Date Analyzed:	06/08/20 14:43:45	Data File:	005243-13 rex.076
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	8.96

Analysis For Total Metals By EPA Method 6020B

Client ID:	MW-12-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	005243-14 rex
Date Analyzed:	06/08/20 14:53:07	Data File:	005243-14 rex.078
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	4.40

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	NA	Project:	12th and Yesler WES 1591
Date Extracted:	06/08/20	Lab ID:	I0-326 mb rex
Date Analyzed:	06/08/20 12:59:09	Data File:	I0-326 mb rex.051
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-1-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-01
Date Analyzed:	05/22/20	Data File:	052232.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	145
Toluene-d8	100	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.47	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-1D-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-02
Date Analyzed:	05/22/20	Data File:	052233.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	62	145
Toluene-d8	100	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-1S-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-03
Date Analyzed:	05/22/20	Data File:	052234.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	145
Toluene-d8	100	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.21	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-2-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-04
Date Analyzed:	05/22/20	Data File:	052235.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	145
Toluene-d8	100	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-3-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-05
Date Analyzed:	05/22/20	Data File:	052236.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	145
Toluene-d8	101	55	145
4-Bromofluorobenzene	98	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-4-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-06
Date Analyzed:	05/22/20	Data File:	052237.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	145
Toluene-d8	100	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-5-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-07
Date Analyzed:	05/22/20	Data File:	052238.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	145
Toluene-d8	99	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	3.6	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	2.8	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-6-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-08
Date Analyzed:	05/22/20	Data File:	052239.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	145
Toluene-d8	100	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	1.1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	4.5	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-7-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-09
Date Analyzed:	05/22/20	Data File:	052240.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	145
Toluene-d8	103	55	145
4-Bromofluorobenzene	102	65	139

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-8-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-10
Date Analyzed:	05/22/20	Data File:	052241.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	98	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	3.2
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	50
Hexane	<1	o-Xylene	19
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	20
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	26
Benzene	0.52	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-9-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-11
Date Analyzed:	05/22/20	Data File:	052242.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	17
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	5.0
Hexane	14	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	74
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	220 ve
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	5.5	sec-Butylbenzene	16
Trichloroethene	<1	p-Isopropyltoluene	1.5
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	2.3	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-9-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-11 1/10
Date Analyzed:	05/26/20	Data File:	052628.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	57	121
Toluene-d8	105	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<10	1,3-Dichloropropane	<10
Chloromethane	<100	Tetrachloroethene	<10
Vinyl chloride	<2	Dibromochloromethane	<10
Bromomethane	<10	1,2-Dibromoethane (EDB)	<10
Chloroethane	<10	Chlorobenzene	<10
Trichlorofluoromethane	<10	Ethylbenzene	13
Acetone	<500	1,1,1,2-Tetrachloroethane	<10
1,1-Dichloroethene	<10	m,p-Xylene	<20
Hexane	13	o-Xylene	<10
Methylene chloride	<50	Styrene	<10
Methyl t-butyl ether (MTBE)	<10	Isopropylbenzene	52
trans-1,2-Dichloroethene	<10	Bromoform	<10
1,1-Dichloroethane	<10	n-Propylbenzene	130
2,2-Dichloropropane	<10	Bromobenzene	<10
cis-1,2-Dichloroethene	<10	1,3,5-Trimethylbenzene	<10
Chloroform	<10	1,1,2,2-Tetrachloroethane	<10
2-Butanone (MEK)	<100	1,2,3-Trichloropropane	<10
1,2-Dichloroethane (EDC)	<10	2-Chlorotoluene	<10
1,1,1-Trichloroethane	<10	4-Chlorotoluene	<10
1,1-Dichloropropene	<10	tert-Butylbenzene	<10
Carbon tetrachloride	<10	1,2,4-Trimethylbenzene	<10
Benzene	5.6	sec-Butylbenzene	11
Trichloroethene	<10	p-Isopropyltoluene	<10
1,2-Dichloropropane	<10	1,3-Dichlorobenzene	<10
Bromodichloromethane	<10	1,4-Dichlorobenzene	<10
Dibromomethane	<10	1,2-Dichlorobenzene	<10
4-Methyl-2-pentanone	<100	1,2-Dibromo-3-chloropropane	<100
cis-1,3-Dichloropropene	<10	1,2,4-Trichlorobenzene	<10
Toluene	<10	Hexachlorobutadiene	<10
trans-1,3-Dichloropropene	<10	Naphthalene	<10
1,1,2-Trichloroethane	<10	1,2,3-Trichlorobenzene	<10
2-Hexanone	<100		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-10-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-12
Date Analyzed:	05/22/20	Data File:	052243.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-11-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-13
Date Analyzed:	05/22/20	Data File:	052244.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.27	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	3.1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-12-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-14
Date Analyzed:	05/22/20	Data File:	052245.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	98	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-13-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-15
Date Analyzed:	05/22/20	Data File:	052246.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-14-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-16
Date Analyzed:	05/22/20	Data File:	052247.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	98	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.28	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.3	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	0.89	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW-15-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-17
Date Analyzed:	05/22/20	Data File:	052248.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Geo B7-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-18
Date Analyzed:	05/22/20	Data File:	052249.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	98	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	2.5	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	1.8	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Geo B8-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-19
Date Analyzed:	05/22/20	Data File:	052250.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Geo B9-GW	Client:	Whitman Environmental Sciences
Date Received:	05/19/20	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	005243-20
Date Analyzed:	05/22/20	Data File:	052251.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.0	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	Not Applicable	Project:	12th and Yesler WES 1591
Date Extracted:	05/22/20	Lab ID:	00-1151 mb
Date Analyzed:	05/22/20	Data File:	052230.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Gasoline	ug/L (ppb)	1,000	106	103	69-134	3

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243

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

Laboratory Code: 005279-01 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	105	69-134

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	88	92	63-142	4

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 6020B

Laboratory Code: 005243-02 rex (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	10.1	106	108	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	94	80-120

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 005243-01 rex (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	9.49	112	115	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	102	80-120

Date of Report: 06/02/20
Date Received: 05/19/20
Project: 12th and Yesler WES 1591, F&BI 005243

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	104	101	25-158	3
Chloromethane	ug/L (ppb)	50	99	97	45-156	2
Vinyl chloride	ug/L (ppb)	50	95	94	50-154	1
Bromomethane	ug/L (ppb)	50	109	108	55-143	1
Chloroethane	ug/L (ppb)	50	97	99	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	97	99	50-150	2
Acetone	ug/L (ppb)	250	91	94	22-155	3
1,1-Dichloroethene	ug/L (ppb)	50	93	98	67-136	5
Hexane	ug/L (ppb)	50	92	99	57-137	7
Methylene chloride	ug/L (ppb)	50	98	103	39-148	5
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	101	102	64-147	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	91	96	68-128	5
1,1-Dichloroethane	ug/L (ppb)	50	99	103	74-135	4
2,2-Dichloropropane	ug/L (ppb)	50	104	103	55-143	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	95	98	74-136	3
Chloroform	ug/L (ppb)	50	99	102	74-134	3
2-Butanone (MEK)	ug/L (ppb)	250	95	101	37-150	6
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	96	100	66-129	4
1,1,1-Trichloroethane	ug/L (ppb)	50	101	105	74-142	4
1,1-Dichloropropene	ug/L (ppb)	50	102	107	77-129	5
Carbon tetrachloride	ug/L (ppb)	50	109	112	75-158	3
Benzene	ug/L (ppb)	50	99	103	69-134	4
Trichloroethene	ug/L (ppb)	50	95	99	67-133	4
1,2-Dichloropropane	ug/L (ppb)	50	103	107	71-134	4
Bromodichloromethane	ug/L (ppb)	50	113	118	76-132	4
Dibromomethane	ug/L (ppb)	50	103	108	68-132	5
4-Methyl-2-pentanone	ug/L (ppb)	250	107	112	65-138	5
cis-1,3-Dichloropropene	ug/L (ppb)	50	110	113	74-140	3
Toluene	ug/L (ppb)	50	97	103	72-122	6
trans-1,3-Dichloropropene	ug/L (ppb)	50	105	112	80-136	6
1,1,2-Trichloroethane	ug/L (ppb)	50	102	105	75-124	3
2-Hexanone	ug/L (ppb)	250	100	104	60-136	4
1,3-Dichloropropane	ug/L (ppb)	50	101	106	76-126	5
Tetrachloroethene	ug/L (ppb)	50	97	102	76-121	5
Dibromochloromethane	ug/L (ppb)	50	103	106	84-133	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	103	108	82-115	5
Chlorobenzene	ug/L (ppb)	50	98	104	83-114	6
Ethylbenzene	ug/L (ppb)	50	99	103	77-124	4
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	110	114	84-127	4
m,p-Xylene	ug/L (ppb)	100	98	102	81-112	4
o-Xylene	ug/L (ppb)	50	101	104	81-121	3
Styrene	ug/L (ppb)	50	100	105	84-119	5
Isopropylbenzene	ug/L (ppb)	50	99	103	80-117	4
Bromoform	ug/L (ppb)	50	101	106	74-136	5
n-Propylbenzene	ug/L (ppb)	50	100	106	74-126	6
Bromobenzene	ug/L (ppb)	50	101	108	80-121	7
1,3,5-Trimethylbenzene	ug/L (ppb)	50	101	105	78-123	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	108	114	66-126	5
1,2,3-Trichloropropane	ug/L (ppb)	50	99	104	67-124	5
2-Chlorotoluene	ug/L (ppb)	50	99	104	77-127	5
4-Chlorotoluene	ug/L (ppb)	50	100	106	78-128	6
tert-Butylbenzene	ug/L (ppb)	50	103	107	80-123	4
1,2,4-Trimethylbenzene	ug/L (ppb)	50	99	104	79-122	5
sec-Butylbenzene	ug/L (ppb)	50	103	107	80-116	4
p-Isopropyltoluene	ug/L (ppb)	50	100	104	81-123	4
1,3-Dichlorobenzene	ug/L (ppb)	50	97	102	83-113	5
1,4-Dichlorobenzene	ug/L (ppb)	50	96	100	81-112	4
1,2-Dichlorobenzene	ug/L (ppb)	50	99	103	84-112	4
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	99	104	57-141	5
1,2,4-Trichlorobenzene	ug/L (ppb)	50	103	105	72-130	2
Hexachlorobutadiene	ug/L (ppb)	50	99	102	53-141	3
Naphthalene	ug/L (ppb)	50	102	104	64-133	2
1,2,3-Trichlorobenzene	ug/L (ppb)	50	104	107	65-136	3

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

0052143

SAMPLE CHAIN OF CUSTODY

ME 05/19/20 VW3/AT6/

Page # 1 of 2

Report To Ron Whitman

Company Whitman Env. Sciences

Address 6812 16th Ave NE

City, State, ZIP Seattle, WA 98115

Phone _____ Email WA-TENVIRO@YAHOO.COM

SAMPLERS (*signature*)

PROJECT NAME: 12th + Yesler

PO #: COES 1591

REMARKS: Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- [x] Standard turnaround B05
- [ ] RUSH _____
- Rush charges authorized by: _____

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other _____
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Total Arsenic	Dissolved Arsenic			Notes
MW-1-60	01A-C	5-19	9:45	water	6	X	X			X			X	X			
MW-10-60	02		12:20		6	X	X			X			X	X			
MW-15-60	03		12:55		6	X	X			X			X	X			
MW-2-60	04A-D		3:45		4	X	X			X							
MW-3-60	05		3:00		4	X	X			X							
MW-4-60	06		1:00		4	X	X			X							Samples received at 3 °C
MW-5-60	07		1:40		4	X	X			X							
MW-6-60	08A-C		2:30		6	X	X			X			X	X			
MW-7-60	09A-D		3:15		4	X	X			X							
MW-8-60	10A-C		10:30		6	X	X			X			X	X			

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		COES	5-19-20	6:30
Received by:	Deane Lessig	FBI	5/19/20	6:20
Relinquished by:				
Received by:				

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

Q005243

SAMPLE CHAIN OF CUSTODY

ME 05/19/20

VW3/AI6 / B05

Page # 2 of 2

Report To Tom Whitman

Company Whitman Env. Services

Address 6812 16th Ave NE

City, State, ZIP Seattle, WA 98115

Phone _____ Email WH.Tenvico@YAHoo.com

SAMPLERS (*signature*)

PROJECT NAME: 12th + Yesler

PO #: WES 1591

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- ☒ Standard turnaround
- ☐ RUSH _____
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other _____
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	TOTAL ARSENIC	DISSOLVED ARSENIC			Notes
MW-9	11A-D	5-19-20	12:00	water	4	X	X			X							
MW-10	12A-F		11:40		6	X	X			X			X	X			
MW-11	13		12:05		6	X	X			X			X	X			
MW-12	14		1:30		6	X	X			X			X	X			
MW-13	15A-D		1:15		4	X	X			X							
MW-14	16		11:30		4	X	X			X							
MW-15	17		5:00		4	X	X			X							
~~GEO~~ GEO B-7-6	18		4:40		4	X	X			X							Samples received at 3 °C
GEO B8-6	19	~~11:00~~	11:00		4	X	X			X							
GEO-B9	20		9:00		4	X	X			X							

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		WES	5-19-20	6:20
Received by:	Isaac Lessig	FBI	5/19/20	06:40 20
Relinquished by:				
Received by:				

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