



July 15, 2024

Ms. Danielle Gibson
Washington State Department of Ecology
Toxics Cleanup Program Southwest Regional Office
300 Desmond Drive
Lacey, WA 98503

Subject: Quarterly Progress Report – Second Quarter 2024, First Semi-Annual Monitoring Event
D Street Petroleum Site, Tacoma, Washington
CONSENT DECREE 91-2-2012-1

Dear Ms. Gibson:

AECOM submits the following progress report for the D Street Petroleum Site located at 520 East D Street in Tacoma, Washington (the Site). This report is being submitted to the Washington State Department of Ecology (Ecology) on behalf of the D Street Potentially Liable Persons (PLP) Group: ExxonMobil Refining and Supply/Environmental Services (ExxonMobil, formerly Mobil), Shell Oil Company (Shell), and Conoco Phillips Company (ConocoPhillips, formerly Tosco and Unocal), in accordance with Consent Decree No. 91-2-2012-1. The Phillips 66 Company (formerly ConocoPhillips) transferred control of its allocated share of the D Street PLP Group to Chevron Environmental Management Company (Chevron EMC), effective April 1, 2011. In 2021, the Chevron EMC transferred control of its allocated share of the D Street Petroleum Group to Phillips 66 Company, effective July 2, 2021.

A groundwater sampling and monitored natural attenuation program was implemented after the remedial system at the Site was turned off in October 2006. Groundwater monitoring is conducted in accordance with the Sampling and Analysis Plan for Groundwater Performance Monitoring Program and Work Plan for Well Installation/Decommissioning Activities, dated September 2011. This progress report covers the environmental monitoring data collected during the first semi-annual event (May 29 – 30, 2024). An evaluation of the 2024 data and natural attenuation processes will be presented in the 2024 Annual Progress Report, which is completed following the second semi-annual event in (October) 2024.

1.0 Site Description

The Site is an approximately 17-acre former Shell property located at 520 East D Street in Tacoma, Pierce County, Washington (Figure 1). The Site is located on a peninsula in Commencement Bay and is bounded to the west by the Thea Foss Waterway; to the north by various industrial properties, East 3rd Street, and Commencement Bay; to the east by East F Street and the Middle Waterway; and to the south by various industrial properties and 11th Street.

The Site includes an active bulk petroleum storage and distribution area currently occupied by Phillips 66 Company. Previous operators of the petroleum storage and distribution area include Mobil, British Petroleum (BP), Unocal/76 Products, and Tosco. The south and southwest end of the Site is owned and utilized by Globe Machine Manufacturing, a manufacturer of industrial machines. The east and northeast end of the Site is vacant and owned by Targa Resources with the exception of the northeastern-most area which is occupied



by a pump station owned by Olympic Pipeline Company. These areas along with the groundwater monitoring well network and other site features are presented in Figure 2.

2.0 Summary of Sampling Activities Conducted During the Reporting Period

The first semi-annual 2024 monitoring event included the following groundwater sampling activities conducted from May 29th to May 30th, 2024:

- Water Level and Free Product Gauging
 - AECOM personnel gauged water levels and free product, where present, in 30 upper sand unit monitoring wells, six sentinel wells, seven surface water compliance monitoring wells, and five lower sand unit monitoring wells. Measurable free product was observed in one monitoring well RW-29¹ (0.75 feet), gauged during this event. However, RW-29 was regauged on June 12 and July 10, 2024 with observations of measurable product at 0.32 feet and 0.01 feet, respectively.
 - The depths to groundwater and the calculated groundwater elevations based on the May 2024 measurements are presented in Table 1. Groundwater elevation contour maps are not provided due to high variability in the groundwater elevation data caused by tidal influences and other factors.
 - The predominant groundwater flow direction within the upper and lower sand units has historically been toward the southwest (toward the Thea Foss Waterway). Groundwater and tidal influence studies conducted in 2011 indicate a more diminished flow pattern toward the Thea Foss Waterway.
 - Monthly gauging of wells G-20, RW-28, and RW-29 may be completed through the annual monitoring event (October 2024) to assess the free product observation.
- Groundwater/Surface Water Compliance Sampling
 - Groundwater and surface water compliance samples were collected from 18 groundwater monitoring wells during this event:
 - Twelve upper sand unit groundwater monitoring wells (B-25, B-31, B-34, G-18, HC-111, RW-5R, RW-8, and T-3) with four of these wells (E-22, FW-5R, FW-14, and T-2) also serving as sentinel wells.
 - Four surface water compliance monitoring wells (RR-1, RR-2, RR-4, and RR-5).
 - Two lower sand unit groundwater monitoring wells (DMW-2 and FW-13). DMW-4 was scheduled to be sampled during this monitoring event; however, the well monument was severely damaged, and the well casing was inaccessible.
 - The wells were purged and sampled following low-flow sampling methodology. An in-line (i.e., flow-thru cell) multi-parameter water quality measurement device was used to continuously monitor pH, temperature, conductivity, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity. Representative water samples were collected when parameters stabilized over three recording intervals (three to five minutes each).
- Analytical Procedures
 - The groundwater and surface water compliance samples were submitted under proper chain-of-custody protocol to Eurofins of Spokane, Washington. The laboratory analytical report and chain-of-custody are provided in Appendix A.
 - The following methods were used to analyze the samples identified above:
 - Benzene, toluene, ethylbenzene, and xylenes (BTEX) by U.S. Environmental Protection Agency (EPA) Method 8260D

¹ Observation well RW-29, is located within the truck fueling area of the terminal.



- Gasoline-range total petroleum hydrocarbons (TPH-G) by Northwest total petroleum hydrocarbons Method NWTPH-Gx
 - Diesel-range total petroleum hydrocarbons (TPH-D) and total petroleum hydrocarbons in the heavy oil range (TPH-O) by Northwest total petroleum hydrocarbons Method NWTPH-Dx
 - Naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene by EPA Method 8270E selected ion monitoring (SIM)
- Purge water generated during this event was placed in a 55-gallon drum stored at the Site. The contents of the drum will be removed for disposal prior to the next semi-annual groundwater monitoring event.

3.0 Summary of Data Validation Completed for Period Sampling Event

A data validation review was completed for the first semi-annual 2024 analytical data. The data was reviewed based on the EPA Contract Laboratory Program's *National Functional Guidelines for Organic Superfund Methods Data Review* dated November 2020 and standard laboratory quality control criteria.

The completeness of the analytical data for this groundwater monitoring event is 100%. The data qualifiers assigned by the laboratory are shown on the laboratory reports. No additional data qualifiers were assigned based on the data validation review. Sample results and associated data qualifiers are presented in Table 2. The completed data review memorandum for this monitoring event is provided in Appendix B.

4.0 Summary of Analytical Results for Period Sampling Event

This section provides a summary of the groundwater monitoring results from this event. Table 2 summarizes analytical results for groundwater monitoring wells sampled during the first semi-annual 2024. A copy of the laboratory analytical report is presented in Appendix A. Site-specific Surface Water Cleanup Levels and Groundwater Cleanup Levels were established by Ecology and D Street PLP Group representatives (effective September 3, 1991), as written in Appendix B of Consent Decree No. 91-2-2012-1. The cleanup levels were established for the following specific contaminants: benzene, toluene, and ethylbenzene. Cleanup levels were not established for total xylenes, TPH-G, TPH-D, or TPH-O.

- Benzene was detected in five upper sand unit wells (B-25, B-31, B-34, G-18, and HC-111) and two sentinel wells (E-22 and FW-5R). There were no exceedances of the surface water cleanup standard of 0.04 mg/L or the groundwater cleanup standard of 0.16 mg/L. Benzene was not detected in the surface water compliance wells or lower sand unit wells sampled during this event. Benzene concentrations in the upper sand unit are presented in Figure 3.
- Toluene was detected in four of the upper sand unit wells (B-25, B-31, B-34, and HC-111) and one sentinel well (FW-5R). No toluene detections exceeded the surface water cleanup standard of 5 mg/L or the groundwater cleanup standard of 20 mg/L. Toluene was not detected in the surface water compliance wells or lower sand unit wells sampled during this event.
- Ethylbenzene was detected in five upper sand unit wells (B-25, B-31, B-34, HC-111, and RW-5R) and two sentinel wells (E-22 and FW-5R). None of the ethylbenzene detections exceeded the surface water cleanup standard of 0.43 mg/L or the groundwater cleanup standard of 1.7 mg/L. Ethylbenzene was not detected in the surface water compliance wells or lower sand unit wells sampled during this event.
- Total xylenes were detected in four of the upper sand unit wells (B-25, B-31, B-34, and HC-111). Total xylenes were not detected in the sentinel wells, surface water compliance wells, or lower sand unit wells sampled during this event. There are no cleanup standards for total xylenes for the Site.
- TPH-G was detected in eight upper sand unit wells (B-25, B-31, B-34, G-18, HC-111, RW-5R, RW-8, and T-3), two sentinel wells (E-22 and FW-5R), two surface water compliance wells (RR-1 and RR-5),



and one lower sand unit well (DMW-2). There are no cleanup standards for TPH-G for the Site. TPH-G concentrations in the upper sand unit and resulting isocontours from this event are presented in Figure 4.

- TPH-D was detected in eight upper sand unit wells (B-25, B-31, B-34, G-18, HC-111, RW-5R, RW-8, and T-3), two sentinel wells (E-22 and FW-5R), one surface water compliance well (RR-5), and two lower sand unit wells (DMW-2 and FW-13). There are no cleanup standards for TPH-D for the Site. TPH-D concentrations in the upper sand unit and resulting isocontours from this event are presented in Figure 5.
- TPH-O was detected in five upper sand unit wells (B-31, B-34, G-18, HC-111, and T-3), three sentinel wells (E-22, FW-5R, and FW-14), and one lower sand unit well (DMW-2). TPH-O was not detected in the surface water compliance wells sampled during this event. There are no cleanup standards for TPH-O for the Site.
- Naphthalene was analyzed in three select wells (FW-5R, FW-14, and RR-2) during this event. Naphthalene, 2-methylnaphthalene and 1-methylnaphthalene were detected in one sentinel well (FW-5R). There are no cleanup standards for naphthalenes for the Site.

5.0 Summary of Field and Natural Attenuation Results for Period Sampling Event

Table 3 summarizes the field parameters for the groundwater monitoring wells sampled during this semi-annual monitoring event. An evaluation of the natural attenuation processes occurring at the Site will be presented in the 2024 Annual Progress Report, which is completed following the second semi-annual (October) 2024 sampling event.

6.0 Discussion of Upper Sand Unit Shoreline Data

There were no exceedances of site groundwater or surface water cleanup standards in the sentinel wells (E-22, FW-5R, FW-14, and T-2) sampled during this event. TPH-G, TPH-D, benzene, and ethylbenzene were detected in two sentinel wells (E-22 and FW-5R). Toluene, naphthalene, 2-methylnaphthalene, and 1-methylnaphthalene were only detected in one sentinel well (FW-5R). TPH-O was detected in three sentinel wells (E-22, FW-5R, and FW-14) and xylenes were not detected in any sentinel wells.

There were no exceedances of site groundwater or surface water cleanup standards in the surface water compliance wells (RR-1, RR-2, RR-4, and RR-5) sampled during this event. TPH-G was detected in two surface water compliance wells (RR-1 and RR-5). TPH-D was detected in one surface water compliance well (RR-5). TPH-O, benzene, toluene, ethylbenzene, xylenes, naphthalene, 2-methylnaphthalene, and 1-methylnaphthalene were not detected in any surface water compliance wells. Further evaluation of this area will be provided in the 2024 Annual Progress Report.

7.0 Discussion of Lower Sand Unit Data

There were no exceedances of site groundwater or surface water cleanup standards in the lower sand unit wells (DMW-2 and FW-13). TPH-D was detected in both lower sand unit wells. TPH-G and TPH-O were detected in one lower sand unit well (DMW-2), and BTEX constituents were not detected in any lower sand unit wells.

8.0 Status of Recent and Upcoming Deliverables

- The First Quarter 2024 Progress Report was submitted.
- The 2024 Annual Progress Report is anticipated to be submitted by January 15, 2025.



Quarterly Progress Report
Second Quarter 2024
July 15, 2024
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If you have any questions regarding this progress report, please call me at (206) 403-4259.

Sincerely,
AECOM

A handwritten signature in blue ink, appearing to read "Nathan Z. Gwyn".

Nate Gwyn, LG
Geologist III

A handwritten signature in blue ink, appearing to read "Renee Knecht".

Renee Knecht, LG
Senior Geologist/Project Manager

cc: Andrea Wing – Shell Oil Company (electronic only)
Marla Madden – ExxonMobil (electronic only)
Rich Solomon – Phillips 66 (electronic only)

ATTACHMENTS:

Figure 1 – Vicinity Map
Figure 2 – Site Map
Figure 3 – Benzene Concentrations in Groundwater (Upper Sand Unit), May 2024
Figure 4 – TPH-G Concentrations in Groundwater (Upper Sand Unit), May 2024
Figure 5 – TPH-D Concentrations in Groundwater (Upper Sand Unit), May 2024

Table 1 – Groundwater Elevation Data, First Semi-Annual 2024
Table 2 – Summary of Groundwater Analytical Results, First Semi-Annual 2024
Table 3 – Summary of Field Parameters, First Semi-Annual 2024

Appendix A – Laboratory Analytical Data
Appendix B – Data Review

FIGURES



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

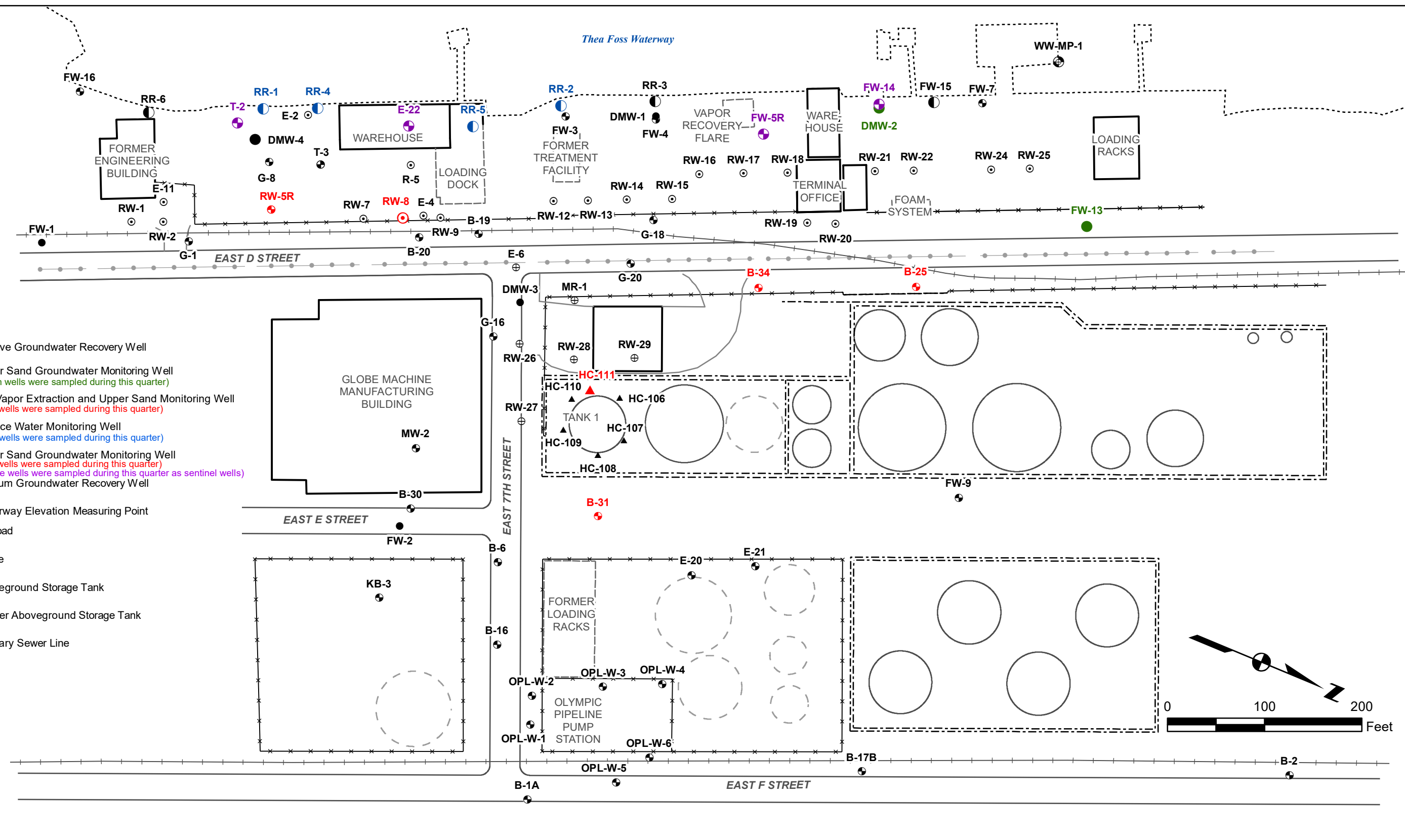
AECOM

0 2,000 4,000
Feet

VICINITY MAP

D STREET PETROLEUM SITE
TACOMA, WASHINGTON

FIGURE 1



Source: Landau Associates, 2009.
Maul Foster & Alongi, Inc. 2002.
USGS, 2009.
URS, 2014.

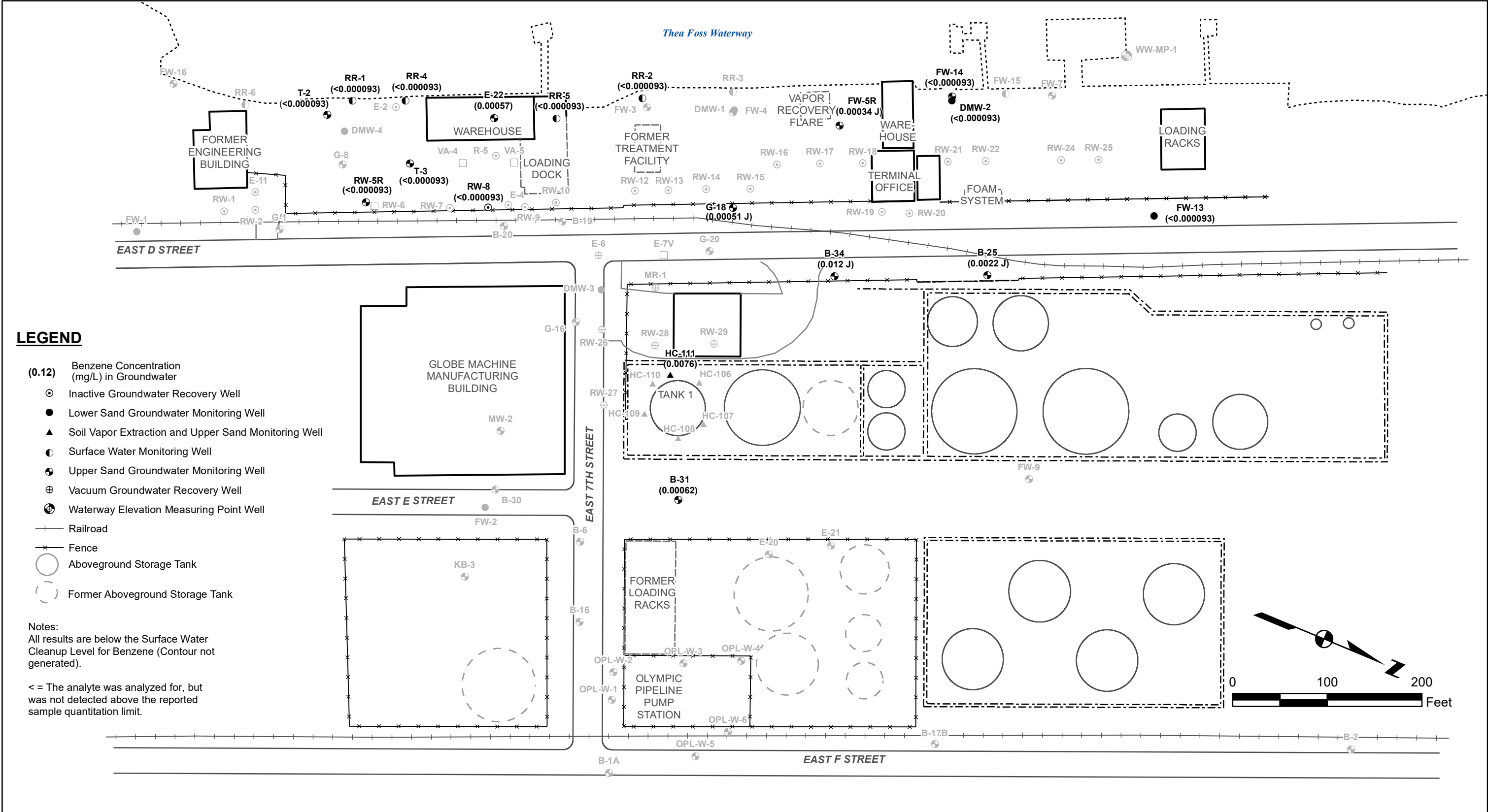


SITE MAP

D STREET PETROLEUM SITE
TACOMA, WASHINGTON

FIGURE 2

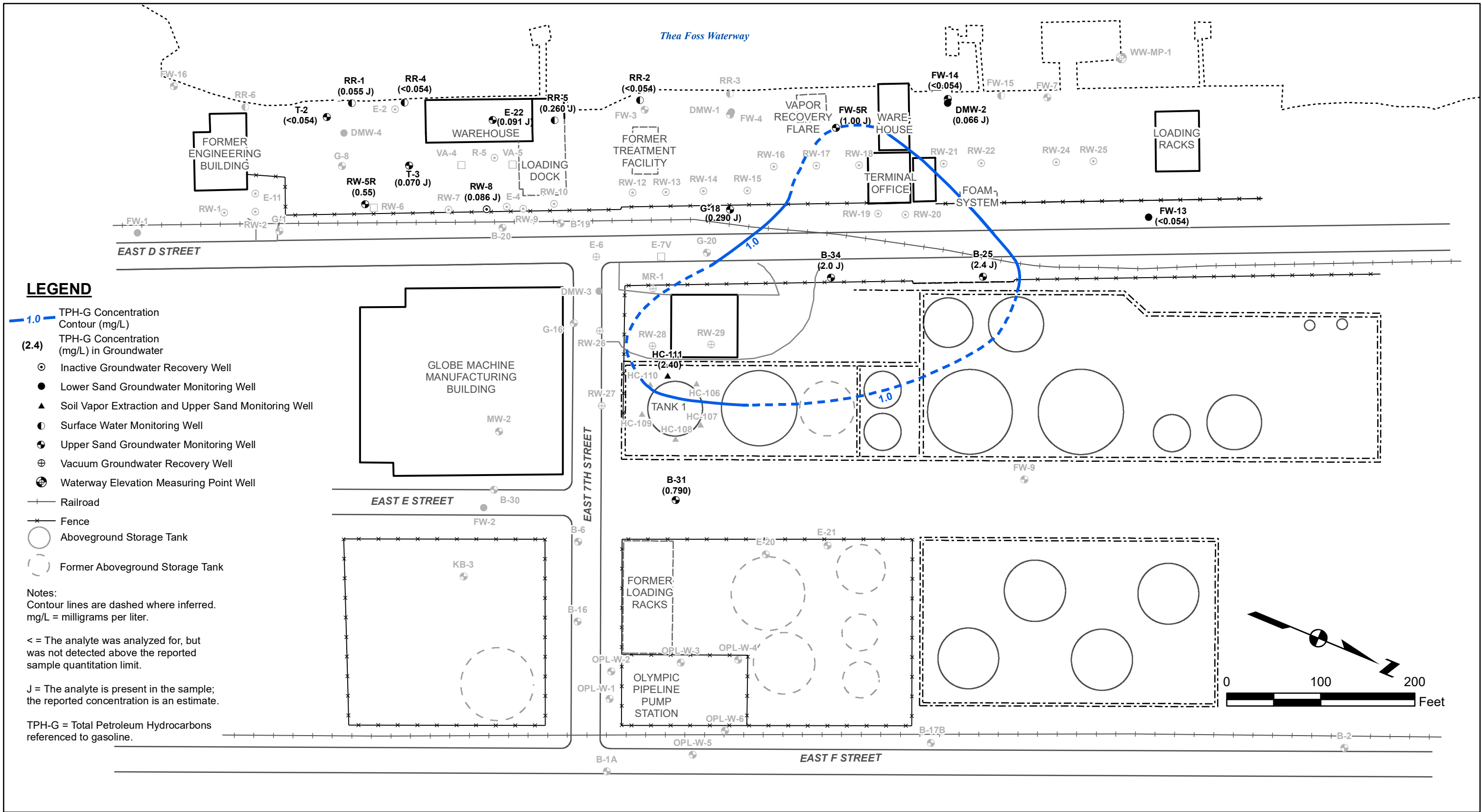
C:\Users\Popescu\OneDrive\Documents\GIS Services - DCS AMERICAS\GIS\Washington\501 E 7th St (Tacoma D St), Tacoma, WA\02 Work\2022 6.20.2022\Fig3 1Q22 B ver0.mxd



Source: Landau Associates, 2009.
Maul Foster & Alongi, Inc. 2002.
USGS, 2009.

BENZENE CONCENTRATIONS IN GROUNDWATER (UPPER SAND UNIT), MAY 2024

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Source: Landau Associates, 2009.
Maul Foster & Alongi, Inc. 2002.
USGS, 2009.

TPH-G CONCENTRATIONS IN GROUNDWATER
(UPPER SAND UNIT), MAY 2024

TABLES

Table 1
Groundwater Elevation Data
First Semi-Annual 2024
D Street Petroleum Site

Well ID	Well Elevation (ft) (a)	Date	Depth to Groundwater (ft)	Product Thickness (ft)	Groundwater Elevation (ft)
Upper Sand Unit					
B-17B	14.16	5/30/2024	7.11	--	7.05
B-19	13.31	5/30/2024	7.08	--	6.23
B-20	13.48	5/29/2024	Obstruction in well		
B-25	13.96	5/29/2024	7.56	--	6.40
B-30	14.46	5/29/2024	NR	--	NR
B-31	14.46	5/30/2024	7.90	--	6.56
B-34	14.36	5/29/2024	8.00	--	6.36
E-4	12.09	5/30/2024	6.12	--	5.97
E-20	NS	5/29/2024	6.93	--	NR
E-21	14.13	5/29/2024	7.41	--	6.72
G-1	13.43 (b)	5/29/2024	NR	--	NR
G-16	13.23	5/30/2024	7.06	--	6.17
G-18	13.54	5/29/2024	7.24	--	6.30
HC-108	15.30	5/29/2024	8.75	--	6.55
HC-111	14.62	5/30/2024	8.18	--	6.44
RW-1	12.94	5/29/2024	NR	--	NR
RW-2	12.76	5/30/2024	6.95	--	5.81
RW-5R	13.76	5/30/2024	7.70	--	6.06
RW-8	12.71	5/30/2024	6.59	--	6.12
RW-9	12.59	5/30/2024	7.21	--	5.38
RW-12	13.21	5/29/2024	6.93	--	6.28
RW-13	13.94	5/29/2024	7.77	--	6.17
RW-14	13.52	5/29/2024	7.27	--	6.25
RW-15	13.15	5/29/2024	6.93	--	6.22
RW-17	12.29	5/29/2024	6.09	--	6.20
RW-19	12.97	5/29/2024	6.58	--	6.39
RW-24	13.63	5/29/2024	NR	--	NR
RW-28	14.62	5/30/2024	8.65	--	5.97
RW-29	13.83	5/30/2024	8.65	0.75	5.78
		6/12/2024	8.27	0.32	5.81
		7/10/2024	7.61	0.01	6.22
T-3	13.03	5/30/2024	7.02	--	6.01
Upper Sand Unit - Sentinel					
E-22	16.74	5/30/2024	11.34	--	5.40
FW-3	14.11 (b)	5/29/2024	7.71	--	6.40
FW-4	14.21	5/29/2024	7.89	--	6.32
FW-5R	12.78	5/29/2024	6.63	--	6.15
FW-14	13.17	5/29/2024	7.16	--	6.01
T-2	11.62	5/30/2024	5.77	--	5.85
Lower Sand Unit					
FW-1	13.63	5/30/2024	8.12	--	5.51
FW-13	13.13	5/29/2024	7.19	--	5.94
DMW-1	13.72	5/29/2024	9.99	--	3.73
DMW-2	12.97	5/29/2024	6.98	--	5.99
DMW-3	12.83	5/30/2024	8.04	--	4.79
DMW-4	11.72	5/29/2024	Well casing damaged		
Upper Sand Unit - Surface Water Compliance					
RR-1	14.79 (b)	5/30/2024	9.49	--	5.30
RR-2	15.71 (b)	5/29/2024	9.63	--	6.08
RR-3	15.78 (b)	5/29/2024	10.33	--	5.45
RR-4	13.19 (c)	5/30/2024	7.83	--	5.36
RR-5	16.53	5/29/2024	10.97	--	5.56
RR-6	11.31	5/30/2024	5.85	--	5.46
FW-15	NS	5/29/2024	7.48	--	NS

Notes

Groundwater elevations corrected for free product using following equation, if applicable:

Well Elevation - Depth to Groundwater + (Apparent Product Thickness x 0.80)

ID = Identification

NS = No survey data provided or available

NR = Not recorded

-- = Product was not detected

(a) Top of casing elevation, October 2013, based on NAVD 88, unless otherwise noted

(b) Top of casing elevation, March 2011, based on NAVD 88

(c) Top of casing elevation, October 2011, based on NAVD 88

ft = Feet

Table 2
Summary of Groundwater Analytical Results
First Semi-Annual 2024
D Street Petroleum Site

Analyte:			TPH-G	TPH-D	TPH-O	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Naphthalene	2-Methylnaphthalene	1-Methylnaphthalene
Surface Water Cleanup Standards:			---	---	---	0.04	5	0.43	---	---	---	---
Groundwater Cleanup Standards:			---	---	---	0.16	20	1.7	---	---	---	---
Sample ID	Date Collected											
Upper Sand Unit	B-25	5/29/2024	2.4 J	0.64	0.12 U	0.0022 J	0.00052 J	0.00024 J	0.00079 J	--	--	--
	B-31	5/30/2024	0.790	2.6	0.20 J	0.00062	0.0013	0.0024	0.0072	--	--	--
	B-34	5/29/2024	2.0 J	6.3	0.45 J	0.012 J	0.0019 J	0.0049 J	0.0011 J	--	--	--
	G-18	5/29/2024	0.290 J	1.00	0.20 J	0.00051 J	0.00031 UJ	0.00020 UJ	0.00044 UJ	--	--	--
	HC-111	5/30/2024	2.40	3.8	0.30 J	0.0076	0.0033	0.018	0.0029 J	--	--	--
	RW-5R	5/30/2024	0.55	0.26 J	0.13 U	0.000093 U	0.00031 U	0.00034 J	0.00044 U	--	--	--
	RW-8	5/30/2024	0.086 J	0.43	0.12 U	0.000093 U	0.00031 U	0.00020 U	0.00044 U	--	--	--
	T-3	5/30/2024	0.070 J	0.25	0.17 J	0.000093 U	0.00031 U	0.00020 U	0.00044 U	--	--	--
Upper Sand Unit - Sentinel	E-22	5/30/2024	0.091 J	0.39	0.19 J	0.00057	0.00031 U	0.00045 J	0.00044 U	--	--	--
	FW-5R	5/29/2024	1.00 J	3.3	0.17 J	0.00034 J	0.00034 J	0.00027 J	0.00044 UJ	--	--	--
		5/30/2024	-	-	-	-	-	-	-	0.00061 J	0.210	0.200
	FW-14	5/29/2024	0.054 UJ	0.11 U	0.15 J	0.000093 UJ	0.00031 UJ	0.00020 UJ	0.00044 UJ	0.000052 U	0.000043 U	0.000023 U
	T-2	5/30/2024	0.054 U	0.10 U	0.11 U	0.000093 U	0.00031 U	0.00020 U	0.00044 U	--	--	--
Upper Sand Unit - Surface Water Compliance	RR-1	5/30/2024	0.055 J	0.11 U	0.12 U	0.000093 U	0.00031 U	0.00020 U	0.00044 U	--	--	--
	RR-2	5/29/2024	0.054 UJ	0.11 U	0.12 U	0.000093 UJ	0.00031 UJ	0.00020 UJ	0.00044 UJ	0.000052 U	0.000043 U	0.000022 U
	RR-4	5/30/2024	0.054 U	0.13 U	0.14 U	0.000093 U	0.00031 U	0.00020 U	0.00044 U	--	--	--
	RR-4-DUP	5/30/2024	0.054 U	0.13 U	0.14 U	0.000093 U	0.00031 U	0.00020 U	0.00044 U	--	--	--
	RR-5	5/29/2024	0.260 J	0.16 J	0.13 U	0.000093 UJ	0.00031 UJ	0.00020 UJ	0.00044 UJ	--	--	--
Lower Sand Unit	DMW-2	5/29/2024	0.066 J	0.68	0.13 J	0.000093 U	0.00031 U	0.00020 U	0.00044 U	--	--	--
	FW-13	5/29/2024	0.054 UJ	0.19 J	0.13 U	0.000093 UJ	0.00031 UJ	0.00020 UJ	0.00044 UJ	--	--	--

Notes:

All results in milligrams per liter (mg/L).

-- = Not analyzed.

ID = Identification

J = The analyte is present in the sample; the reported concentration is an estimate.

TPH = Total Petroleum Hydrocarbons

TPH-D = Total Petroleum Hydrocarbons as Diesel Range

TPH-G = Total Petroleum Hydrocarbons as Gasoline Range

TPH-O = Total Petroleum Hydrocarbons as Oil Range

U = Not detected above the reported quantitation limit

UJ = Not detected above the reported quantitation limit. The quantitation limit is estimated.

Bold indicates an exceedance of surface water cleanup levels.

Bold indicates an exceedance of groundwater cleanup levels.

Site-Specific Surface Cleanup Level, Consent Decree No. 91-2-2012-1, effective 9/3/91

Site-Specific Groundwater Cleanup Level, Consent Decree No. 91-2-2012-1, effective 9/3/91

Table 3
Summary of Field Parameters
First Semi-Annual 2024
D Street Petroleum Site

	Sample ID	Date Collected	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
Upper Sand Unit	B-25	5/29/2024	15.29	6.92	0.203	-202	3.9	0.07
	B-31	5/30/2024	15.74	6.55	0.557	-137	7.0	0.0
	B-34	5/29/2024	15.60	6.87	0.943	-173	33.2	0.51
	G-18	5/29/2024	15.32	7.00	0.400	-182	7.4	3.73
	HC-111	5/30/2024	16.24	6.22	0.663	-185	3.9	0.21
	RW-5R	5/30/2024	14.82	7.18	0.807	-226	8.2	0.0
	RW-8	5/30/2024	15.09	7.22	0.578	-197	6.0	0.0
	T-3	5/30/2024	14.66	7.51	16.3	-464	41.2	0.06
Upper Sand Unit - Sentinel	E-22	5/30/2024	15.44	7.52	21.0	-454	50.5	6.53
	FW-5R	5/29/2024	17.34	6.80	0.525	-185	4.7	0.03
	FW-5R (naphthalene)	5/30/2024	16.29	6.38	0.554	-182	8.9	2.57
	FW-14	5/29/2024	15.15	6.86	32.0	-76	2.8	0.19
	T-2	5/30/2024	14.32	6.41	31.1	-79	11.3	0.02
Upper Sand Unit - Surface Water Compliance	RR-1	5/30/2024	18.56	6.81	30.1	-268	8.6	0.0
	RR-2	5/29/2024	17.59	6.80	31.5	-94	1.0	0.07
	RR-4	5/30/2024	16.74	6.40	36.4	-197	0.00	0.0
	RR-5	5/29/2024	12.87	6.56	20.8	-380	8.4	0.00
Lower Sand Unit	DMW-2	5/29/2024	13.77	7.26	13.9	-343	24.2	1.43
	FW-13	5/29/2024	14.94	7.46	0.490	-210	4.9	0.73

Notes:

°C = degrees Celsius

mg/L = milligrams per liter

mS/m = millisiemens per meter

mV = millivolts

NTU = nephelometric turbidity units

ID = Identification

Field parameters (pH, conductivity, dissolved oxygen, temperature, and Oxygen Reduction Potential) are measured during well purging. Final stabilized parameters are shown in the table above.

APPENDIX A

Laboratory Analytical Data

ANALYTICAL REPORT

PREPARED FOR

Attn: Renee Knecht
AECOM
1111 Third Ave
Suite 1600
Seattle, Washington 98101

Generated 6/18/2024 4:32:38 PM

JOB DESCRIPTION

501 East D Street Tacoma

JOB NUMBER

590-25147-1

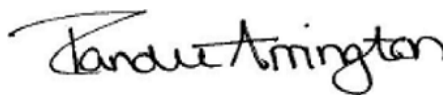
Eurofins Spokane

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
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Case Narrative

Client: AECOM
Project: 501 East D Street Tacoma

Job ID: 590-25147-1

Job ID: 590-25147-1

Eurofins Spokane

Job Narrative 590-25147-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/4/2024 11:48 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.0°C and 4.9°C.

Gasoline Range Organics

Method NWTPH_Gx_MS: The following samples were analyzed outside of analytical holding time due to system outages: FW-14 (590-25147-2), FW-13 (590-25147-3), B-25 (590-25147-4), B-34 (590-25147-5), G-18 (590-25147-6), FW-5R (590-25147-7), RR-5 (590-25147-8) and RR-2 (590-25147-9)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA

Method 8260D: The following samples were analyzed outside of analytical holding time due to system outages: FW-14 (590-25147-2), FW-13 (590-25147-3), B-25 (590-25147-4), B-34 (590-25147-5), G-18 (590-25147-6), FW-5R (590-25147-7), RR-5 (590-25147-8) and RR-2 (590-25147-9)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to heavily weathered diesel.

DMW-2 (590-25147-1), FW-13 (590-25147-3), G-18 (590-25147-6), E-22 (590-25147-10), RW-8 (590-25147-12) and T-3 (590-25147-13)

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to gasoline overlap.

B-25 (590-25147-4) and RW-5R (590-25147-14)

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to weathered diesel.

B-34 (590-25147-5), HC-111 (590-25147-16) and B-31 (590-25147-17)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Spokane

Sample Summary

Client: AECOM

Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-25147-1	DMW-2	Water	05/29/24 10:01	06/04/24 11:48
590-25147-2	FW-14	Water	05/29/24 10:08	06/04/24 11:48
590-25147-3	FW-13	Water	05/29/24 11:37	06/04/24 11:48
590-25147-4	B-25	Water	05/29/24 11:42	06/04/24 11:48
590-25147-5	B-34	Water	05/29/24 12:27	06/04/24 11:48
590-25147-6	G-18	Water	05/29/24 13:51	06/04/24 11:48
590-25147-7	FW-5R	Water	05/29/24 14:09	06/04/24 11:48
590-25147-8	RR-5	Water	05/29/24 16:07	06/04/24 11:48
590-25147-9	RR-2	Water	05/29/24 16:00	06/04/24 11:48
590-25147-10	E-22	Water	05/30/24 09:32	06/04/24 11:48
590-25147-11	FW-5R-NAPH	Water	05/30/24 12:27	06/04/24 11:48
590-25147-12	RW-8	Water	05/30/24 08:59	06/04/24 11:48
590-25147-13	T-3	Water	05/30/24 10:06	06/04/24 11:48
590-25147-14	RW-5R	Water	05/30/24 10:43	06/04/24 11:48
590-25147-15	T-2	Water	05/30/24 11:12	06/04/24 11:48
590-25147-16	HC-111	Water	05/30/24 14:33	06/04/24 11:48
590-25147-17	B-31	Water	05/30/24 15:42	06/04/24 11:48
590-25147-18	RR-4	Water	05/30/24 17:07	06/04/24 11:48
590-25147-19	RR-1	Water	05/30/24 16:57	06/04/24 11:48
590-25147-20	Dup-1	Water	05/30/24 16:20	06/04/24 11:48
590-25147-21	TRIP BLANK	Water	05/30/24 00:00	06/04/24 11:48

Method Summary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SPK
5030C	Purge and Trap	SW846	EET SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Detection Summary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: DMW-2

Lab Sample ID: 590-25147-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	66	J	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.68		0.26	0.12	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.13	J	0.43	0.13	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: FW-14

Lab Sample ID: 590-25147-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Residual Range Organics (RRO) (C25-C36)	0.15	J	0.39	0.12	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: FW-13

Lab Sample ID: 590-25147-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (DRO) (C10-C25)	0.19	J	0.26	0.12	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: B-25

Lab Sample ID: 590-25147-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.2	H	0.40	0.093	ug/L	1		8260D	Total/NA
Ethylbenzene	0.24	J H	1.0	0.20	ug/L	1		8260D	Total/NA
m,p-Xylene	0.45	J H	2.0	0.28	ug/L	1		8260D	Total/NA
o-Xylene	0.34	J H	1.0	0.16	ug/L	1		8260D	Total/NA
Toluene	0.52	J H	1.0	0.31	ug/L	1		8260D	Total/NA
Xylenes, Total	0.79	J H	3.0	0.44	ug/L	1		8260D	Total/NA
Gasoline	2400	H	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.64		0.24	0.11	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: B-34

Lab Sample ID: 590-25147-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12	H	0.40	0.093	ug/L	1		8260D	Total/NA
Ethylbenzene	4.9	H	1.0	0.20	ug/L	1		8260D	Total/NA
m,p-Xylene	0.64	J H	2.0	0.28	ug/L	1		8260D	Total/NA
o-Xylene	0.50	J H	1.0	0.16	ug/L	1		8260D	Total/NA
Toluene	1.9	H	1.0	0.31	ug/L	1		8260D	Total/NA
Xylenes, Total	1.1	J H	3.0	0.44	ug/L	1		8260D	Total/NA
Gasoline	2000	H	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	6.3		0.27	0.13	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.45	J	0.46	0.14	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: G-18

Lab Sample ID: 590-25147-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.51	H	0.40	0.093	ug/L	1		8260D	Total/NA
Gasoline	290	H	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	1.0		0.25	0.11	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.20	J	0.41	0.12	mg/L	1		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: FW-5R

Lab Sample ID: 590-25147-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.34	J H	0.40	0.093	ug/L	1		8260D	Total/NA
Ethylbenzene	0.27	J H	1.0	0.20	ug/L	1		8260D	Total/NA
Toluene	0.34	J H	1.0	0.31	ug/L	1		8260D	Total/NA
Gasoline	1000	H	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	3.3		0.24	0.11	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.17	J	0.41	0.12	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: RR-5

Lab Sample ID: 590-25147-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	260	H	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.16	J	0.26	0.12	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: RR-2

Lab Sample ID: 590-25147-9

No Detections.

Client Sample ID: E-22

Lab Sample ID: 590-25147-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.57		0.40	0.093	ug/L	1		8260D	Total/NA
Ethylbenzene	0.45	J	1.0	0.20	ug/L	1		8260D	Total/NA
m,p-Xylene	0.29	J	2.0	0.28	ug/L	1		8260D	Total/NA
Gasoline	91	J	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.39		0.26	0.12	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.19	J	0.44	0.13	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: FW-5R-NAPH

Lab Sample ID: 590-25147-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.61	J	0.96	0.57	ug/L	10		8270E SIM	Total/NA
2-Methylnaphthalene	210		0.96	0.47	ug/L	10		8270E SIM	Total/NA
1-Methylnaphthalene	200		0.96	0.25	ug/L	10		8270E SIM	Total/NA

Client Sample ID: RW-8

Lab Sample ID: 590-25147-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m,p-Xylene	0.29	J	2.0	0.28	ug/L	1		8260D	Total/NA
Gasoline	86	J	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.43		0.23	0.11	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: T-3

Lab Sample ID: 590-25147-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	70	J	150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.25		0.23	0.11	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.17	J	0.39	0.12	mg/L	1		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Spokane

Detection Summary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: RW-5R

Lab Sample ID: 590-25147-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.34	J	1.0	0.20	ug/L	1		8260D	Total/NA
Gasoline	550		150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	0.26	J	0.27	0.12	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: T-2

Lab Sample ID: 590-25147-15

No Detections.

Client Sample ID: HC-111

Lab Sample ID: 590-25147-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.6		0.40	0.093	ug/L	1		8260D	Total/NA
Ethylbenzene	18		1.0	0.20	ug/L	1		8260D	Total/NA
m,p-Xylene	2.2		2.0	0.28	ug/L	1		8260D	Total/NA
o-Xylene	0.73	J	1.0	0.16	ug/L	1		8260D	Total/NA
Toluene	3.3		1.0	0.31	ug/L	1		8260D	Total/NA
Xylenes, Total	2.9	J	3.0	0.44	ug/L	1		8260D	Total/NA
Gasoline	2400		150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	3.8		0.26	0.12	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.30	J	0.44	0.13	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: B-31

Lab Sample ID: 590-25147-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.62		0.40	0.093	ug/L	1		8260D	Total/NA
Ethylbenzene	2.4		1.0	0.20	ug/L	1		8260D	Total/NA
m,p-Xylene	6.4		2.0	0.28	ug/L	1		8260D	Total/NA
o-Xylene	0.86	J	1.0	0.16	ug/L	1		8260D	Total/NA
Toluene	1.3		1.0	0.31	ug/L	1		8260D	Total/NA
Xylenes, Total	7.2		3.0	0.44	ug/L	1		8260D	Total/NA
Gasoline	790		150	54	ug/L	1		NWTPH-Gx	Total/NA
Diesel Range Organics (DRO) (C10-C25)	2.6		0.23	0.11	mg/L	1		NWTPH-Dx	Total/NA
Residual Range Organics (RRO) (C25-C36)	0.20	J	0.39	0.12	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: RR-4

Lab Sample ID: 590-25147-18

No Detections.

Client Sample ID: RR-1

Lab Sample ID: 590-25147-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	55	J	150	54	ug/L	1		NWTPH-Gx	Total/NA

Client Sample ID: Dup-1

Lab Sample ID: 590-25147-20

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 590-25147-21

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: DMW-2

Lab Sample ID: 590-25147-1

Date Collected: 05/29/24 10:01

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/12/24 17:15	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/12/24 17:15	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/12/24 17:15	1
o-Xylene	ND		1.0	0.16	ug/L			06/12/24 17:15	1
Toluene	ND		1.0	0.31	ug/L			06/12/24 17:15	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/12/24 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/12/24 17:15	1
4-Bromofluorobenzene (Surr)	97		76 - 120		06/12/24 17:15	1
Dibromofluoromethane (Surr)	105		80 - 123		06/12/24 17:15	1
Toluene-d8 (Surr)	104		80 - 120		06/12/24 17:15	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	66	J	150	54	ug/L			06/12/24 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		68.7 - 141		06/12/24 17:15	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.68		0.26	0.12	mg/L		06/06/24 10:01	06/06/24 15:24	1
Residual Range Organics (RRO) (C25-C36)	0.13	J	0.43	0.13	mg/L		06/06/24 10:01	06/06/24 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	06/06/24 10:01	06/06/24 15:24	1
n-Triacontane-d62	79		50 - 150	06/06/24 10:01	06/06/24 15:24	1

Client Sample ID: FW-14

Lab Sample ID: 590-25147-2

Date Collected: 05/29/24 10:08

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.40	0.093	ug/L			06/13/24 12:06	1
Ethylbenzene	ND	H	1.0	0.20	ug/L			06/13/24 12:06	1
m,p-Xylene	ND	H	2.0	0.28	ug/L			06/13/24 12:06	1
o-Xylene	ND	H	1.0	0.16	ug/L			06/13/24 12:06	1
Toluene	ND	H	1.0	0.31	ug/L			06/13/24 12:06	1
Xylenes, Total	ND	H	3.0	0.44	ug/L			06/13/24 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/13/24 12:06	1
4-Bromofluorobenzene (Surr)	100		76 - 120		06/13/24 12:06	1
Dibromofluoromethane (Surr)	109		80 - 123		06/13/24 12:06	1
Toluene-d8 (Surr)	102		80 - 120		06/13/24 12:06	1

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: FW-14

Date Collected: 05/29/24 10:08

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-2

Matrix: Water

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	150	54	ug/L			06/13/24 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		68.7 - 141					06/13/24 12:06	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.089	0.052	ug/L		06/05/24 07:41	06/05/24 12:46	1
2-Methylnaphthalene	ND		0.089	0.043	ug/L		06/05/24 07:41	06/05/24 12:46	1
1-Methylnaphthalene	ND		0.089	0.023	ug/L		06/05/24 07:41	06/05/24 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		44 - 120				06/05/24 07:41	06/05/24 12:46	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		0.24	0.11	mg/L		06/06/24 10:01	06/06/24 16:31	1
(C10-C25)									
Residual Range Organics (RRO)	0.15	J	0.39	0.12	mg/L		06/06/24 10:01	06/06/24 16:31	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150				06/06/24 10:01	06/06/24 16:31	1
n-Triacontane-d62	79		50 - 150				06/06/24 10:01	06/06/24 16:31	1

Client Sample ID: FW-13

Date Collected: 05/29/24 11:37

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.40	0.093	ug/L			06/13/24 12:28	1
Ethylbenzene	ND	H	1.0	0.20	ug/L			06/13/24 12:28	1
m,p-Xylene	ND	H	2.0	0.28	ug/L			06/13/24 12:28	1
o-Xylene	ND	H	1.0	0.16	ug/L			06/13/24 12:28	1
Toluene	ND	H	1.0	0.31	ug/L			06/13/24 12:28	1
Xylenes, Total	ND	H	3.0	0.44	ug/L			06/13/24 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120					06/13/24 12:28	1
4-Bromofluorobenzene (Surr)	100		76 - 120					06/13/24 12:28	1
Dibromofluoromethane (Surr)	109		80 - 123					06/13/24 12:28	1
Toluene-d8 (Surr)	103		80 - 120					06/13/24 12:28	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	150	54	ug/L			06/13/24 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		68.7 - 141					06/13/24 12:28	1

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: FW-13

Date Collected: 05/29/24 11:37

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-3

Matrix: Water

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.19	J	0.26	0.12	mg/L		06/06/24 10:01	06/06/24 16:54	1
Residual Range Organics (RRO) (C25-C36)	ND		0.44	0.13	mg/L		06/06/24 10:01	06/06/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150				06/06/24 10:01	06/06/24 16:54	1
n-Triacontane-d62	80		50 - 150				06/06/24 10:01	06/06/24 16:54	1

Client Sample ID: B-25

Date Collected: 05/29/24 11:42

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.2	H	0.40	0.093	ug/L			06/13/24 12:50	1
Ethylbenzene	0.24	J H	1.0	0.20	ug/L			06/13/24 12:50	1
m,p-Xylene	0.45	J H	2.0	0.28	ug/L			06/13/24 12:50	1
o-Xylene	0.34	J H	1.0	0.16	ug/L			06/13/24 12:50	1
Toluene	0.52	J H	1.0	0.31	ug/L			06/13/24 12:50	1
Xylenes, Total	0.79	J H	3.0	0.44	ug/L			06/13/24 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		80 - 120					06/13/24 12:50	1
4-Bromofluorobenzene (Surr)	103		76 - 120					06/13/24 12:50	1
Dibromofluoromethane (Surr)	95		80 - 123					06/13/24 12:50	1
Toluene-d8 (Surr)	105		80 - 120					06/13/24 12:50	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2400	H	150	54	ug/L			06/13/24 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141					06/13/24 12:50	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.64		0.24	0.11	mg/L		06/06/24 10:01	06/06/24 17:16	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		06/06/24 10:01	06/06/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150				06/06/24 10:01	06/06/24 17:16	1
n-Triacontane-d62	69		50 - 150				06/06/24 10:01	06/06/24 17:16	1

Client Sample ID: B-34

Date Collected: 05/29/24 12:27

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12	H	0.40	0.093	ug/L			06/13/24 13:12	1

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: B-34

Lab Sample ID: 590-25147-5

Date Collected: 05/29/24 12:27

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	4.9	H	1.0	0.20	ug/L			06/13/24 13:12	1
m,p-Xylene	0.64	J H	2.0	0.28	ug/L			06/13/24 13:12	1
o-Xylene	0.50	J H	1.0	0.16	ug/L			06/13/24 13:12	1
Toluene	1.9	H	1.0	0.31	ug/L			06/13/24 13:12	1
Xylenes, Total	1.1	J H	3.0	0.44	ug/L			06/13/24 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/13/24 13:12	1
4-Bromofluorobenzene (Surr)	102		76 - 120		06/13/24 13:12	1
Dibromofluoromethane (Surr)	105		80 - 123		06/13/24 13:12	1
Toluene-d8 (Surr)	103		80 - 120		06/13/24 13:12	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2000	H	150	54	ug/L			06/13/24 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		68.7 - 141		06/13/24 13:12	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	6.3		0.27	0.13	mg/L		06/06/24 10:01	06/06/24 17:38	1
Residual Range Organics (RRO) (C25-C36)	0.45	J	0.46	0.14	mg/L		06/06/24 10:01	06/06/24 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	06/06/24 10:01	06/06/24 17:38	1
n-Triacontane-d62	77		50 - 150	06/06/24 10:01	06/06/24 17:38	1

Client Sample ID: G-18

Lab Sample ID: 590-25147-6

Date Collected: 05/29/24 13:51

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.51	H	0.40	0.093	ug/L			06/13/24 13:34	1
Ethylbenzene	ND	H	1.0	0.20	ug/L			06/13/24 13:34	1
m,p-Xylene	ND	H	2.0	0.28	ug/L			06/13/24 13:34	1
o-Xylene	ND	H	1.0	0.16	ug/L			06/13/24 13:34	1
Toluene	ND	H	1.0	0.31	ug/L			06/13/24 13:34	1
Xylenes, Total	ND	H	3.0	0.44	ug/L			06/13/24 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/13/24 13:34	1
4-Bromofluorobenzene (Surr)	102		76 - 120		06/13/24 13:34	1
Dibromofluoromethane (Surr)	104		80 - 123		06/13/24 13:34	1
Toluene-d8 (Surr)	101		80 - 120		06/13/24 13:34	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	290	H	150	54	ug/L			06/13/24 13:34	1

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Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: G-18

Date Collected: 05/29/24 13:51

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-6

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		68.7 - 141					06/13/24 13:34	1
Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	1.0		0.25	0.11	mg/L		06/06/24 10:01	06/06/24 18:22	1
(C10-C25)									
Residual Range Organics (RRO)	0.20	J	0.41	0.12	mg/L		06/06/24 10:01	06/06/24 18:22	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150				06/06/24 10:01	06/06/24 18:22	1
n-Triacontane-d62	76		50 - 150				06/06/24 10:01	06/06/24 18:22	1

Client Sample ID: FW-5R

Date Collected: 05/29/24 14:09

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-7

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.34	J H	0.40	0.093	ug/L			06/13/24 13:56	1
Ethylbenzene	0.27	J H	1.0	0.20	ug/L			06/13/24 13:56	1
m,p-Xylene	ND	H	2.0	0.28	ug/L			06/13/24 13:56	1
o-Xylene	ND	H	1.0	0.16	ug/L			06/13/24 13:56	1
Toluene	0.34	J H	1.0	0.31	ug/L			06/13/24 13:56	1
Xylenes, Total	ND	H	3.0	0.44	ug/L			06/13/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					06/13/24 13:56	1
4-Bromofluorobenzene (Surr)	102		76 - 120					06/13/24 13:56	1
Dibromofluoromethane (Surr)	107		80 - 123					06/13/24 13:56	1
Toluene-d8 (Surr)	101		80 - 120					06/13/24 13:56	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1000	H	150	54	ug/L			06/13/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		68.7 - 141					06/13/24 13:56	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	3.3		0.24	0.11	mg/L		06/06/24 10:01	06/06/24 18:44	1
Residual Range Organics (RRO) (C25-C36)	0.17	J	0.41	0.12	mg/L		06/06/24 10:01	06/06/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150				06/06/24 10:01	06/06/24 18:44	1
n-Triacontane-d62	85		50 - 150				06/06/24 10:01	06/06/24 18:44	1

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: RR-5

Lab Sample ID: 590-25147-8

Date Collected: 05/29/24 16:07

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.40	0.093	ug/L			06/13/24 14:18	1
Ethylbenzene	ND	H	1.0	0.20	ug/L			06/13/24 14:18	1
m,p-Xylene	ND	H	2.0	0.28	ug/L			06/13/24 14:18	1
o-Xylene	ND	H	1.0	0.16	ug/L			06/13/24 14:18	1
Toluene	ND	H	1.0	0.31	ug/L			06/13/24 14:18	1
Xylenes, Total	ND	H	3.0	0.44	ug/L			06/13/24 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/13/24 14:18	1
4-Bromofluorobenzene (Surr)	94		76 - 120		06/13/24 14:18	1
Dibromofluoromethane (Surr)	104		80 - 123		06/13/24 14:18	1
Toluene-d8 (Surr)	102		80 - 120		06/13/24 14:18	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	260	H	150	54	ug/L			06/13/24 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		68.7 - 141		06/13/24 14:18	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.16	J	0.26	0.12	mg/L		06/06/24 10:01	06/06/24 19:06	1
Residual Range Organics (RRO) (C25-C36)	ND		0.43	0.13	mg/L		06/06/24 10:01	06/06/24 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	06/06/24 10:01	06/06/24 19:06	1
n-Triacontane-d62	75		50 - 150	06/06/24 10:01	06/06/24 19:06	1

Client Sample ID: RR-2

Lab Sample ID: 590-25147-9

Date Collected: 05/29/24 16:00

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	0.40	0.093	ug/L			06/13/24 14:40	1
Ethylbenzene	ND	H	1.0	0.20	ug/L			06/13/24 14:40	1
m,p-Xylene	ND	H	2.0	0.28	ug/L			06/13/24 14:40	1
o-Xylene	ND	H	1.0	0.16	ug/L			06/13/24 14:40	1
Toluene	ND	H	1.0	0.31	ug/L			06/13/24 14:40	1
Xylenes, Total	ND	H	3.0	0.44	ug/L			06/13/24 14:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/13/24 14:40	1
4-Bromofluorobenzene (Surr)	102		76 - 120		06/13/24 14:40	1
Dibromofluoromethane (Surr)	106		80 - 123		06/13/24 14:40	1
Toluene-d8 (Surr)	102		80 - 120		06/13/24 14:40	1

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: RR-2

Date Collected: 05/29/24 16:00

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-9

Matrix: Water

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	150	54	ug/L			06/13/24 14:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		68.7 - 141					06/13/24 14:40	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.088	0.052	ug/L		06/05/24 07:41	06/05/24 13:08	1
2-Methylnaphthalene	ND		0.088	0.043	ug/L		06/05/24 07:41	06/05/24 13:08	1
1-Methylnaphthalene	ND		0.088	0.022	ug/L		06/05/24 07:41	06/05/24 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	84		44 - 120				06/05/24 07:41	06/05/24 13:08	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		06/06/24 10:01	06/06/24 19:28	1
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		06/06/24 10:01	06/06/24 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150				06/06/24 10:01	06/06/24 19:28	1
n-Triacontane-d62	77		50 - 150				06/06/24 10:01	06/06/24 19:28	1

Client Sample ID: E-22

Date Collected: 05/30/24 09:32

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-10

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.57		0.40	0.093	ug/L			06/13/24 15:02	1
Ethylbenzene	0.45	J	1.0	0.20	ug/L			06/13/24 15:02	1
m,p-Xylene	0.29	J	2.0	0.28	ug/L			06/13/24 15:02	1
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 15:02	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 15:02	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					06/13/24 15:02	1
4-Bromofluorobenzene (Surr)	101		76 - 120					06/13/24 15:02	1
Dibromofluoromethane (Surr)	104		80 - 123					06/13/24 15:02	1
Toluene-d8 (Surr)	101		80 - 120					06/13/24 15:02	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	91	J	150	54	ug/L			06/13/24 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		68.7 - 141					06/13/24 15:02	1

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: E-22

Lab Sample ID: 590-25147-10

Date Collected: 05/30/24 09:32

Matrix: Water

Date Received: 06/04/24 11:48

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.39		0.26	0.12	mg/L		06/06/24 10:01	06/06/24 19:51	1
Residual Range Organics (RRO) (C25-C36)	0.19	J	0.44	0.13	mg/L		06/06/24 10:01	06/06/24 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150				06/06/24 10:01	06/06/24 19:51	1
n-Triacontane-d62	78		50 - 150				06/06/24 10:01	06/06/24 19:51	1

Client Sample ID: FW-5R-NAPH

Lab Sample ID: 590-25147-11

Date Collected: 05/30/24 12:27

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.61	J	0.96	0.57	ug/L		06/05/24 07:42	06/05/24 14:12	10
2-Methylnaphthalene	210		0.96	0.47	ug/L		06/05/24 07:42	06/05/24 14:12	10
1-Methylnaphthalene	200		0.96	0.25	ug/L		06/05/24 07:42	06/05/24 14:12	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		44 - 120				06/05/24 07:42	06/05/24 14:12	10

Client Sample ID: RW-8

Lab Sample ID: 590-25147-12

Date Collected: 05/30/24 08:59

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 15:46	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/13/24 15:46	1
m,p-Xylene	0.29	J	2.0	0.28	ug/L			06/13/24 15:46	1
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 15:46	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 15:46	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					06/13/24 15:46	1
4-Bromofluorobenzene (Surr)	100		76 - 120					06/13/24 15:46	1
Dibromofluoromethane (Surr)	102		80 - 123					06/13/24 15:46	1
Toluene-d8 (Surr)	102		80 - 120					06/13/24 15:46	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	86	J	150	54	ug/L			06/13/24 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		68.7 - 141					06/13/24 15:46	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.43		0.23	0.11	mg/L		06/06/24 10:01	06/06/24 20:13	1

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: RW-8

Date Collected: 05/30/24 08:59

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-12

Matrix: Water

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		06/06/24 10:01	06/06/24 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	77		50 - 150				06/06/24 10:01	06/06/24 20:13	1
<i>n</i> -Triacontane-d62	73		50 - 150				06/06/24 10:01	06/06/24 20:13	1

Client Sample ID: T-3

Date Collected: 05/30/24 10:06

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-13

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 16:08	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/13/24 16:08	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/13/24 16:08	1
<i>o</i> -Xylene	ND		1.0	0.16	ug/L			06/13/24 16:08	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 16:08	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					06/13/24 16:08	1
4-Bromofluorobenzene (Surr)	103		76 - 120					06/13/24 16:08	1
Dibromofluoromethane (Surr)	102		80 - 123					06/13/24 16:08	1
Toluene-d8 (Surr)	102		80 - 120					06/13/24 16:08	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	70	J	150	54	ug/L			06/13/24 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141					06/13/24 16:08	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.25		0.23	0.11	mg/L		06/06/24 10:01	06/06/24 20:35	1
Residual Range Organics (RRO) (C25-C36)	0.17	J	0.39	0.12	mg/L		06/06/24 10:01	06/06/24 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	84		50 - 150				06/06/24 10:01	06/06/24 20:35	1
<i>n</i> -Triacontane-d62	80		50 - 150				06/06/24 10:01	06/06/24 20:35	1

Client Sample ID: RW-5R

Date Collected: 05/30/24 10:43

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-14

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 16:30	1
Ethylbenzene	0.34	J	1.0	0.20	ug/L			06/13/24 16:30	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/13/24 16:30	1

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Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: RW-5R

Date Collected: 05/30/24 10:43

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-14

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 16:30	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 16:30	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120					06/13/24 16:30	1
4-Bromofluorobenzene (Surr)	103		76 - 120					06/13/24 16:30	1
Dibromofluoromethane (Surr)	99		80 - 123					06/13/24 16:30	1
Toluene-d8 (Surr)	103		80 - 120					06/13/24 16:30	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	550		150	54	ug/L			06/13/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141					06/13/24 16:30	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.26	J	0.27	0.12	mg/L		06/06/24 10:01	06/06/24 20:57	1
Residual Range Organics (RRO) (C25-C36)	ND		0.45	0.13	mg/L		06/06/24 10:01	06/06/24 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150				06/06/24 10:01	06/06/24 20:57	1
n-Triacontane-d62	73		50 - 150				06/06/24 10:01	06/06/24 20:57	1

Client Sample ID: T-2

Date Collected: 05/30/24 11:12

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-15

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 16:52	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/13/24 16:52	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/13/24 16:52	1
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 16:52	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 16:52	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					06/13/24 16:52	1
4-Bromofluorobenzene (Surr)	103		76 - 120					06/13/24 16:52	1
Dibromofluoromethane (Surr)	103		80 - 123					06/13/24 16:52	1
Toluene-d8 (Surr)	102		80 - 120					06/13/24 16:52	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			06/13/24 16:52	1

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Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: T-2

Date Collected: 05/30/24 11:12

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-15

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141					06/13/24 16:52	1
Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		0.23	0.10	mg/L		06/06/24 10:01	06/06/24 21:19	1
(C10-C25)									
Residual Range Organics (RRO)	ND		0.38	0.11	mg/L		06/06/24 10:01	06/06/24 21:19	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150				06/06/24 10:01	06/06/24 21:19	1
n-Triacontane-d62	72		50 - 150				06/06/24 10:01	06/06/24 21:19	1

Client Sample ID: HC-111

Date Collected: 05/30/24 14:33

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-16

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.6		0.40	0.093	ug/L			06/13/24 17:14	1
Ethylbenzene	18		1.0	0.20	ug/L			06/13/24 17:14	1
m,p-Xylene	2.2		2.0	0.28	ug/L			06/13/24 17:14	1
o-Xylene	0.73	J	1.0	0.16	ug/L			06/13/24 17:14	1
Toluene	3.3		1.0	0.31	ug/L			06/13/24 17:14	1
Xylenes, Total	2.9	J	3.0	0.44	ug/L			06/13/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					06/13/24 17:14	1
4-Bromofluorobenzene (Surr)	104		76 - 120					06/13/24 17:14	1
Dibromofluoromethane (Surr)	104		80 - 123					06/13/24 17:14	1
Toluene-d8 (Surr)	102		80 - 120					06/13/24 17:14	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2400		150	54	ug/L			06/13/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		68.7 - 141					06/13/24 17:14	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	3.8		0.26	0.12	mg/L		06/06/24 10:01	06/06/24 21:41	1
Residual Range Organics (RRO) (C25-C36)	0.30	J	0.44	0.13	mg/L		06/06/24 10:01	06/06/24 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150				06/06/24 10:01	06/06/24 21:41	1
n-Triacontane-d62	79		50 - 150				06/06/24 10:01	06/06/24 21:41	1

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Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: B-31

Lab Sample ID: 590-25147-17

Date Collected: 05/30/24 15:42

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.62		0.40	0.093	ug/L			06/13/24 17:35	1
Ethylbenzene	2.4		1.0	0.20	ug/L			06/13/24 17:35	1
m,p-Xylene	6.4		2.0	0.28	ug/L			06/13/24 17:35	1
o-Xylene	0.86	J	1.0	0.16	ug/L			06/13/24 17:35	1
Toluene	1.3		1.0	0.31	ug/L			06/13/24 17:35	1
Xylenes, Total	7.2		3.0	0.44	ug/L			06/13/24 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/13/24 17:35	1
4-Bromofluorobenzene (Surr)	102		76 - 120		06/13/24 17:35	1
Dibromofluoromethane (Surr)	101		80 - 123		06/13/24 17:35	1
Toluene-d8 (Surr)	102		80 - 120		06/13/24 17:35	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	790		150	54	ug/L			06/13/24 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		68.7 - 141		06/13/24 17:35	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	2.6		0.23	0.11	mg/L		06/06/24 10:01	06/06/24 22:25	1
Residual Range Organics (RRO) (C25-C36)	0.20	J	0.39	0.12	mg/L		06/06/24 10:01	06/06/24 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	06/06/24 10:01	06/06/24 22:25	1
n-Triacontane-d62	83		50 - 150	06/06/24 10:01	06/06/24 22:25	1

Client Sample ID: RR-4

Lab Sample ID: 590-25147-18

Date Collected: 05/30/24 17:07

Matrix: Water

Date Received: 06/04/24 11:48

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 17:58	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/13/24 17:58	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/13/24 17:58	1
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 17:58	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 17:58	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/13/24 17:58	1
4-Bromofluorobenzene (Surr)	102		76 - 120		06/13/24 17:58	1
Dibromofluoromethane (Surr)	103		80 - 123		06/13/24 17:58	1
Toluene-d8 (Surr)	103		80 - 120		06/13/24 17:58	1

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Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: RR-4

Date Collected: 05/30/24 17:07

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-18

Matrix: Water

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			06/13/24 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		68.7 - 141					06/13/24 17:58	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.27	0.13	mg/L		06/06/24 10:01	06/06/24 22:47	1
Residual Range Organics (RRO) (C25-C36)	ND		0.45	0.14	mg/L		06/06/24 10:01	06/06/24 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150				06/06/24 10:01	06/06/24 22:47	1
n-Triacontane-d62	83		50 - 150				06/06/24 10:01	06/06/24 22:47	1

Client Sample ID: RR-1

Date Collected: 05/30/24 16:57

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-19

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 18:20	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/13/24 18:20	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/13/24 18:20	1
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 18:20	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 18:20	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					06/13/24 18:20	1
4-Bromofluorobenzene (Surr)	103		76 - 120					06/13/24 18:20	1
Dibromofluoromethane (Surr)	103		80 - 123					06/13/24 18:20	1
Toluene-d8 (Surr)	101		80 - 120					06/13/24 18:20	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	55	J	150	54	ug/L			06/13/24 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		68.7 - 141					06/13/24 18:20	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.23	0.11	mg/L		06/06/24 10:01	06/06/24 23:10	1
Residual Range Organics (RRO) (C25-C36)	ND		0.39	0.12	mg/L		06/06/24 10:01	06/06/24 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150				06/06/24 10:01	06/06/24 23:10	1
n-Triacontane-d62	78		50 - 150				06/06/24 10:01	06/06/24 23:10	1

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Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: Dup-1

Date Collected: 05/30/24 16:20

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-20

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 18:42	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/13/24 18:42	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/13/24 18:42	1
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 18:42	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 18:42	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/13/24 18:42	1
4-Bromofluorobenzene (Surr)	100		76 - 120		06/13/24 18:42	1
Dibromofluoromethane (Surr)	106		80 - 123		06/13/24 18:42	1
Toluene-d8 (Surr)	104		80 - 120		06/13/24 18:42	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			06/13/24 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		68.7 - 141		06/13/24 18:42	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.27	0.12	mg/L		06/06/24 10:02	06/06/24 23:32	1
Residual Range Organics (RRO) (C25-C36)	ND		0.45	0.14	mg/L		06/06/24 10:02	06/06/24 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	06/06/24 10:02	06/06/24 23:32	1
n-Triacontane-d62	74		50 - 150	06/06/24 10:02	06/06/24 23:32	1

Client Sample ID: TRIP BLANK

Date Collected: 05/30/24 00:00

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-21

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 19:04	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/13/24 19:04	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/13/24 19:04	1
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 19:04	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 19:04	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/13/24 19:04	1
4-Bromofluorobenzene (Surr)	99		76 - 120		06/13/24 19:04	1
Dibromofluoromethane (Surr)	108		80 - 123		06/13/24 19:04	1
Toluene-d8 (Surr)	103		80 - 120		06/13/24 19:04	1

Eurofins Spokane

Client Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: TRIP BLANK
Date Collected: 05/30/24 00:00
Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-21
Matrix: Water

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			06/13/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		68.7 - 141					06/13/24 19:04	1

QC Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-47816/17

Matrix: Water

Analysis Batch: 47816

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/12/24 15:45	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/12/24 15:45	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/12/24 15:45	1
o-Xylene	ND		1.0	0.16	ug/L			06/12/24 15:45	1
Toluene	ND		1.0	0.31	ug/L			06/12/24 15:45	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/12/24 15:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/12/24 15:45	1
4-Bromofluorobenzene (Surr)	101		76 - 120		06/12/24 15:45	1
Dibromofluoromethane (Surr)	106		80 - 123		06/12/24 15:45	1
Toluene-d8 (Surr)	101		80 - 120		06/12/24 15:45	1

Lab Sample ID: LCS 590-47816/1015

Matrix: Water

Analysis Batch: 47816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	10.2		ug/L		102	80 - 120
Ethylbenzene	10.0	9.87		ug/L		99	80 - 122
m,p-Xylene	10.0	10.2		ug/L		102	80 - 125
o-Xylene	10.0	9.53		ug/L		95	80 - 130
Toluene	10.0	10.2		ug/L		102	80 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	101		76 - 120
Dibromofluoromethane (Surr)	105		80 - 123
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 590-25147-1 MS

Matrix: Water

Analysis Batch: 47816

Client Sample ID: DMW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		10.0	10.3		ug/L		103	80 - 120
Ethylbenzene	ND		10.0	10.3		ug/L		103	80 - 122
m,p-Xylene	ND		10.0	10.5		ug/L		105	80 - 125
o-Xylene	ND		10.0	9.71		ug/L		97	80 - 130
Toluene	ND		10.0	10.4		ug/L		104	80 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		76 - 120
Dibromofluoromethane (Surr)	99		80 - 123
Toluene-d8 (Surr)	99		80 - 120

Eurofins Spokane

QC Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-25147-1 MSD

Matrix: Water

Analysis Batch: 47816

Client Sample ID: DMW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		10.0	10.4		ug/L		104	80 - 120	1	15
Ethylbenzene	ND		10.0	10.3		ug/L		103	80 - 122	0	35
m,p-Xylene	ND		10.0	10.8		ug/L		108	80 - 125	3	35
o-Xylene	ND		10.0	9.78		ug/L		98	80 - 130	1	35
Toluene	ND		10.0	10.6		ug/L		106	80 - 129	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	101		76 - 120
Dibromofluoromethane (Surr)	100		80 - 123
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 590-47854/6

Matrix: Water

Analysis Batch: 47854

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.40	0.093	ug/L			06/13/24 11:45	1
Ethylbenzene	ND		1.0	0.20	ug/L			06/13/24 11:45	1
m,p-Xylene	ND		2.0	0.28	ug/L			06/13/24 11:45	1
o-Xylene	ND		1.0	0.16	ug/L			06/13/24 11:45	1
Toluene	ND		1.0	0.31	ug/L			06/13/24 11:45	1
Xylenes, Total	ND		3.0	0.44	ug/L			06/13/24 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/13/24 11:45	1
4-Bromofluorobenzene (Surr)	97		76 - 120		06/13/24 11:45	1
Dibromofluoromethane (Surr)	109		80 - 123		06/13/24 11:45	1
Toluene-d8 (Surr)	102		80 - 120		06/13/24 11:45	1

Lab Sample ID: LCS 590-47854/1003

Matrix: Water

Analysis Batch: 47854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	10.0	9.84		ug/L		98	80 - 120
Ethylbenzene	10.0	9.59		ug/L		96	80 - 122
m,p-Xylene	10.0	10.0		ug/L		100	80 - 125
o-Xylene	10.0	9.17		ug/L		92	80 - 130
Toluene	10.0	9.64		ug/L		96	80 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	99		76 - 120
Dibromofluoromethane (Surr)	106		80 - 123
Toluene-d8 (Surr)	99		80 - 120

Eurofins Spokane

QC Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-47854/4

Matrix: Water

Analysis Batch: 47854

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	10.0	9.85		ug/L		98	80 - 120	0	15
Ethylbenzene	10.0	9.55		ug/L		95	80 - 122	0	35
m,p-Xylene	10.0	10.0		ug/L		100	80 - 125	0	35
o-Xylene	10.0	9.11		ug/L		91	80 - 130	1	35
Toluene	10.0	9.66		ug/L		97	80 - 129	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	100		76 - 120
Dibromofluoromethane (Surr)	106		80 - 123
Toluene-d8 (Surr)	99		80 - 120

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-47815/17

Matrix: Water

Analysis Batch: 47815

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			06/12/24 15:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		68.7 - 141		06/12/24 15:45	1

Lab Sample ID: LCS 590-47815/1016

Matrix: Water

Analysis Batch: 47815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	1000	1060		ug/L		106	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		68.7 - 141

Lab Sample ID: LCSD 590-47815/1027

Matrix: Water

Analysis Batch: 47815

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	1000	955		ug/L		96	80 - 120	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		68.7 - 141

Eurofins Spokane

QC Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: 590-25147-1 MS

Matrix: Water

Analysis Batch: 47815

Client Sample ID: DMW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	66	J	581	625		ug/L		96	55.6 - 126
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		68.7 - 141						

Lab Sample ID: 590-25147-1 MSD

Matrix: Water

Analysis Batch: 47815

Client Sample ID: DMW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	66	J	581	633		ug/L		97	55.6 - 126	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		68.7 - 141								

Lab Sample ID: MB 590-47853/6

Matrix: Water

Analysis Batch: 47853

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			06/13/24 11:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		68.7 - 141					06/13/24 11:45	1

Lab Sample ID: LCS 590-47853/1005

Matrix: Water

Analysis Batch: 47853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	1000	999		ug/L		100	80 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	101		68.7 - 141				

Lab Sample ID: LCSD 590-47853/1016

Matrix: Water

Analysis Batch: 47853

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	1000	962		ug/L		96	80 - 120	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		68.7 - 141						

Eurofins Spokane

QC Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-47670/1-A

Matrix: Water

Analysis Batch: 47676

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.090	0.053	ug/L		06/05/24 07:41	06/05/24 11:17	1
2-Methylnaphthalene	ND		0.090	0.044	ug/L		06/05/24 07:41	06/05/24 11:17	1
1-Methylnaphthalene	ND		0.090	0.023	ug/L		06/05/24 07:41	06/05/24 11:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		44 - 120				06/05/24 07:41	06/05/24 11:17	1

Lab Sample ID: LCS 590-47670/2-A

Matrix: Water

Analysis Batch: 47676

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	1.60	1.15		ug/L		72	47 - 120
2-Methylnaphthalene	1.60	1.20		ug/L		75	46 - 120
1-Methylnaphthalene	1.60	1.22		ug/L		76	49 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Nitrobenzene-d5	79		44 - 120				

Lab Sample ID: LCSD 590-47670/3-A

Matrix: Water

Analysis Batch: 47676

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47670

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	1.60	1.18		ug/L		74	47 - 120	3	30
2-Methylnaphthalene	1.60	1.20		ug/L		75	46 - 120	0	34
1-Methylnaphthalene	1.60	1.23		ug/L		77	49 - 120	1	32
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Nitrobenzene-d5	78		44 - 120						

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-47697/1-A

Matrix: Water

Analysis Batch: 47701

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.24	0.11	mg/L		06/06/24 10:01	06/06/24 14:18	1
Residual Range Organics (RRO) (C25-C36)	ND		0.40	0.12	mg/L		06/06/24 10:01	06/06/24 14:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150				06/06/24 10:01	06/06/24 14:18	1
n-Triacontane-d62	76		50 - 150				06/06/24 10:01	06/06/24 14:18	1

Eurofins Spokane

QC Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-47697/2-A

Matrix: Water

Analysis Batch: 47701

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47697

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Diesel Range Organics (DRO) (C10-C25)			1.60	1.31		mg/L		82	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.45		mg/L		91	50 - 150		
Surrogate		LCS	LCS								
	%Recovery	Qualifier	Limits								
<i>o</i> -Terphenyl	84		50 - 150								
<i>n</i> -Triacontane-d62	82		50 - 150								

Lab Sample ID: LCSD 590-47697/3-A

Matrix: Water

Analysis Batch: 47701

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47697

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.28		mg/L		80	50 - 150	3	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.47		mg/L		92	50 - 150	1	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
<i>o</i> -Terphenyl	84		50 - 150								
<i>n</i> -Triacontane-d62	86		50 - 150								

Lab Sample ID: 590-25147-1 MS

Matrix: Water

Analysis Batch: 47701

Client Sample ID: DMW-2

Prep Type: Total/NA

Prep Batch: 47697

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)	0.68		1.71	2.06		mg/L		81	54.5 - 136		
Residual Range Organics (RRO) (C25-C36)	0.13	J	1.71	1.63		mg/L		87	50 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
<i>o</i> -Terphenyl	80		50 - 150								
<i>n</i> -Triacontane-d62	80		50 - 150								

Lab Sample ID: 590-25147-1 MSD

Matrix: Water

Analysis Batch: 47701

Client Sample ID: DMW-2

Prep Type: Total/NA

Prep Batch: 47697

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	0.68		1.75	2.39		mg/L		97	54.5 - 136	14	32.5
Residual Range Organics (RRO) (C25-C36)	0.13	J	1.75	1.80		mg/L		95	50 - 150	10	25
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
<i>o</i> -Terphenyl	89		50 - 150								

Eurofins Spokane

QC Sample Results

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: 590-25147-1 MSD
Matrix: Water
Analysis Batch: 47701

Client Sample ID: DMW-2
Prep Type: Total/NA
Prep Batch: 47697

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
n-Triacontane-d62	87		50 - 150

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Association Summary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

GC/MS VOA

Analysis Batch: 47815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-1	DMW-2	Total/NA	Water	NWTPH-Gx	
MB 590-47815/17	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 590-47815/1016	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 590-47815/1027	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
590-25147-1 MS	DMW-2	Total/NA	Water	NWTPH-Gx	
590-25147-1 MSD	DMW-2	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 47816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-1	DMW-2	Total/NA	Water	8260D	
MB 590-47816/17	Method Blank	Total/NA	Water	8260D	
LCS 590-47816/1015	Lab Control Sample	Total/NA	Water	8260D	
590-25147-1 MS	DMW-2	Total/NA	Water	8260D	
590-25147-1 MSD	DMW-2	Total/NA	Water	8260D	

Analysis Batch: 47853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-2	FW-14	Total/NA	Water	NWTPH-Gx	
590-25147-3	FW-13	Total/NA	Water	NWTPH-Gx	
590-25147-4	B-25	Total/NA	Water	NWTPH-Gx	
590-25147-5	B-34	Total/NA	Water	NWTPH-Gx	
590-25147-6	G-18	Total/NA	Water	NWTPH-Gx	
590-25147-7	FW-5R	Total/NA	Water	NWTPH-Gx	
590-25147-8	RR-5	Total/NA	Water	NWTPH-Gx	
590-25147-9	RR-2	Total/NA	Water	NWTPH-Gx	
590-25147-10	E-22	Total/NA	Water	NWTPH-Gx	
590-25147-12	RW-8	Total/NA	Water	NWTPH-Gx	
590-25147-13	T-3	Total/NA	Water	NWTPH-Gx	
590-25147-14	RW-5R	Total/NA	Water	NWTPH-Gx	
590-25147-15	T-2	Total/NA	Water	NWTPH-Gx	
590-25147-16	HC-111	Total/NA	Water	NWTPH-Gx	
590-25147-17	B-31	Total/NA	Water	NWTPH-Gx	
590-25147-18	RR-4	Total/NA	Water	NWTPH-Gx	
590-25147-19	RR-1	Total/NA	Water	NWTPH-Gx	
590-25147-20	Dup-1	Total/NA	Water	NWTPH-Gx	
590-25147-21	TRIP BLANK	Total/NA	Water	NWTPH-Gx	
MB 590-47853/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 590-47853/1005	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 590-47853/1016	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 47854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-2	FW-14	Total/NA	Water	8260D	
590-25147-3	FW-13	Total/NA	Water	8260D	
590-25147-4	B-25	Total/NA	Water	8260D	
590-25147-5	B-34	Total/NA	Water	8260D	
590-25147-6	G-18	Total/NA	Water	8260D	
590-25147-7	FW-5R	Total/NA	Water	8260D	
590-25147-8	RR-5	Total/NA	Water	8260D	
590-25147-9	RR-2	Total/NA	Water	8260D	
590-25147-10	E-22	Total/NA	Water	8260D	

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QC Association Summary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

GC/MS VOA (Continued)

Analysis Batch: 47854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-12	RW-8	Total/NA	Water	8260D	
590-25147-13	T-3	Total/NA	Water	8260D	
590-25147-14	RW-5R	Total/NA	Water	8260D	
590-25147-15	T-2	Total/NA	Water	8260D	
590-25147-16	HC-111	Total/NA	Water	8260D	
590-25147-17	B-31	Total/NA	Water	8260D	
590-25147-18	RR-4	Total/NA	Water	8260D	
590-25147-19	RR-1	Total/NA	Water	8260D	
590-25147-20	Dup-1	Total/NA	Water	8260D	
590-25147-21	TRIP BLANK	Total/NA	Water	8260D	
MB 590-47854/6	Method Blank	Total/NA	Water	8260D	
LCS 590-47854/1003	Lab Control Sample	Total/NA	Water	8260D	
LCSD 590-47854/4	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 47670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-2	FW-14	Total/NA	Water	3510C	
590-25147-9	RR-2	Total/NA	Water	3510C	
590-25147-11	FW-5R-NAPH	Total/NA	Water	3510C	
MB 590-47670/1-A	Method Blank	Total/NA	Water	3510C	
LCS 590-47670/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 590-47670/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 47676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-2	FW-14	Total/NA	Water	8270E SIM	47670
590-25147-9	RR-2	Total/NA	Water	8270E SIM	47670
590-25147-11	FW-5R-NAPH	Total/NA	Water	8270E SIM	47670
MB 590-47670/1-A	Method Blank	Total/NA	Water	8270E SIM	47670
LCS 590-47670/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	47670
LCSD 590-47670/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	47670

GC Semi VOA

Prep Batch: 47697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-1	DMW-2	Total/NA	Water	3510C	
590-25147-2	FW-14	Total/NA	Water	3510C	
590-25147-3	FW-13	Total/NA	Water	3510C	
590-25147-4	B-25	Total/NA	Water	3510C	
590-25147-5	B-34	Total/NA	Water	3510C	
590-25147-6	G-18	Total/NA	Water	3510C	
590-25147-7	FW-5R	Total/NA	Water	3510C	
590-25147-8	RR-5	Total/NA	Water	3510C	
590-25147-9	RR-2	Total/NA	Water	3510C	
590-25147-10	E-22	Total/NA	Water	3510C	
590-25147-12	RW-8	Total/NA	Water	3510C	
590-25147-13	T-3	Total/NA	Water	3510C	
590-25147-14	RW-5R	Total/NA	Water	3510C	
590-25147-15	T-2	Total/NA	Water	3510C	

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QC Association Summary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

GC Semi VOA (Continued)

Prep Batch: 47697 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-16	HC-111	Total/NA	Water	3510C	
590-25147-17	B-31	Total/NA	Water	3510C	
590-25147-18	RR-4	Total/NA	Water	3510C	
590-25147-19	RR-1	Total/NA	Water	3510C	
590-25147-20	Dup-1	Total/NA	Water	3510C	
MB 590-47697/1-A	Method Blank	Total/NA	Water	3510C	
LCS 590-47697/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 590-47697/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
590-25147-1 MS	DMW-2	Total/NA	Water	3510C	
590-25147-1 MSD	DMW-2	Total/NA	Water	3510C	

Analysis Batch: 47701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
590-25147-1	DMW-2	Total/NA	Water	NWTPH-Dx	47697
590-25147-2	FW-14	Total/NA	Water	NWTPH-Dx	47697
590-25147-3	FW-13	Total/NA	Water	NWTPH-Dx	47697
590-25147-4	B-25	Total/NA	Water	NWTPH-Dx	47697
590-25147-5	B-34	Total/NA	Water	NWTPH-Dx	47697
590-25147-6	G-18	Total/NA	Water	NWTPH-Dx	47697
590-25147-7	FW-5R	Total/NA	Water	NWTPH-Dx	47697
590-25147-8	RR-5	Total/NA	Water	NWTPH-Dx	47697
590-25147-9	RR-2	Total/NA	Water	NWTPH-Dx	47697
590-25147-10	E-22	Total/NA	Water	NWTPH-Dx	47697
590-25147-12	RW-8	Total/NA	Water	NWTPH-Dx	47697
590-25147-13	T-3	Total/NA	Water	NWTPH-Dx	47697
590-25147-14	RW-5R	Total/NA	Water	NWTPH-Dx	47697
590-25147-15	T-2	Total/NA	Water	NWTPH-Dx	47697
590-25147-16	HC-111	Total/NA	Water	NWTPH-Dx	47697
590-25147-17	B-31	Total/NA	Water	NWTPH-Dx	47697
590-25147-18	RR-4	Total/NA	Water	NWTPH-Dx	47697
590-25147-19	RR-1	Total/NA	Water	NWTPH-Dx	47697
590-25147-20	Dup-1	Total/NA	Water	NWTPH-Dx	47697
MB 590-47697/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	47697
LCS 590-47697/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	47697
LCSD 590-47697/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	47697
590-25147-1 MS	DMW-2	Total/NA	Water	NWTPH-Dx	47697
590-25147-1 MSD	DMW-2	Total/NA	Water	NWTPH-Dx	47697

Lab Chronicle

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: DMW-2

Date Collected: 05/29/24 10:01

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47816	06/12/24 17:15	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47815	06/12/24 17:15	JSP	EET SPK
Total/NA	Prep	3510C			230.9 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 15:24	NMI	EET SPK

Client Sample ID: FW-14

Date Collected: 05/29/24 10:08

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 12:06	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 12:06	JSP	EET SPK
Total/NA	Prep	3510C			253.8 mL	2 mL	47670	06/05/24 07:41	MRV	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	47676	06/05/24 12:46	NMI	EET SPK
Total/NA	Prep	3510C			254.3 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 16:31	NMI	EET SPK

Client Sample ID: FW-13

Date Collected: 05/29/24 11:37

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 12:28	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 12:28	JSP	EET SPK
Total/NA	Prep	3510C			228 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 16:54	NMI	EET SPK

Client Sample ID: B-25

Date Collected: 05/29/24 11:42

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 12:50	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 12:50	JSP	EET SPK
Total/NA	Prep	3510C			252.9 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 17:16	NMI	EET SPK

Client Sample ID: B-34

Date Collected: 05/29/24 12:27

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 13:12	JSP	EET SPK

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Lab Chronicle

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: B-34

Date Collected: 05/29/24 12:27

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			219.1 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 17:38	NMI	EET SPK

Client Sample ID: G-18

Date Collected: 05/29/24 13:51

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 13:34	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 13:34	JSP	EET SPK
Total/NA	Prep	3510C			242.2 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 18:22	NMI	EET SPK

Client Sample ID: FW-5R

Date Collected: 05/29/24 14:09

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 13:56	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 13:56	JSP	EET SPK
Total/NA	Prep	3510C			246.4 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 18:44	NMI	EET SPK

Client Sample ID: RR-5

Date Collected: 05/29/24 16:07

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 14:18	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 14:18	JSP	EET SPK
Total/NA	Prep	3510C			232 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 19:06	NMI	EET SPK

Client Sample ID: RR-2

Date Collected: 05/29/24 16:00

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 14:40	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 14:40	JSP	EET SPK
Total/NA	Prep	3510C			256 mL	2 mL	47670	06/05/24 07:41	MRV	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	47676	06/05/24 13:08	NMI	EET SPK
Total/NA	Prep	3510C			259.6 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 19:28	NMI	EET SPK

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Lab Chronicle

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: E-22

Date Collected: 05/30/24 09:32

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 15:02	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 15:02	JSP	EET SPK
Total/NA	Prep	3510C			227.2 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 19:51	NMI	EET SPK

Client Sample ID: FW-5R-NAPH

Date Collected: 05/30/24 12:27

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			233.4 mL	2 mL	47670	06/05/24 07:42	MRV	EET SPK
Total/NA	Analysis	8270E SIM		10	1 uL	1 uL	47676	06/05/24 14:12	NMI	EET SPK

Client Sample ID: RW-8

Date Collected: 05/30/24 08:59

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 15:46	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 15:46	JSP	EET SPK
Total/NA	Prep	3510C			259.1 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 20:13	NMI	EET SPK

Client Sample ID: T-3

Date Collected: 05/30/24 10:06

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 16:08	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 16:08	JSP	EET SPK
Total/NA	Prep	3510C			256.6 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 20:35	NMI	EET SPK

Client Sample ID: RW-5R

Date Collected: 05/30/24 10:43

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 16:30	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 16:30	JSP	EET SPK
Total/NA	Prep	3510C			224.7 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 20:57	NMI	EET SPK

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Lab Chronicle

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: T-2

Date Collected: 05/30/24 11:12

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 16:52	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 16:52	JSP	EET SPK
Total/NA	Prep	3510C			262.4 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 21:19	NMI	EET SPK

Client Sample ID: HC-111

Date Collected: 05/30/24 14:33

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 17:14	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 17:14	JSP	EET SPK
Total/NA	Prep	3510C			226.7 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 21:41	NMI	EET SPK

Client Sample ID: B-31

Date Collected: 05/30/24 15:42

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 17:35	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 17:35	JSP	EET SPK
Total/NA	Prep	3510C			257.4 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 22:25	NMI	EET SPK

Client Sample ID: RR-4

Date Collected: 05/30/24 17:07

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 17:58	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 17:58	JSP	EET SPK
Total/NA	Prep	3510C			220 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 22:47	NMI	EET SPK

Client Sample ID: RR-1

Date Collected: 05/30/24 16:57

Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 18:20	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 18:20	JSP	EET SPK
Total/NA	Prep	3510C			257.1 mL	2 mL	47697	06/06/24 10:01	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 23:10	NMI	EET SPK

Eurofins Spokane

Lab Chronicle

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Client Sample ID: Dup-1
Date Collected: 05/30/24 16:20
Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 18:42	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 18:42	JSP	EET SPK
Total/NA	Prep	3510C			221.7 mL	2 mL	47697	06/06/24 10:02	MRV	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	47701	06/06/24 23:32	NMI	EET SPK

Client Sample ID: TRIP BLANK
Date Collected: 05/30/24 00:00
Date Received: 06/04/24 11:48

Lab Sample ID: 590-25147-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	47854	06/13/24 19:04	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	47853	06/13/24 19:04	JSP	EET SPK

Laboratory References:
EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Definitions/Glossary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: AECOM
Project/Site: 501 East D Street Tacoma

Job ID: 590-25147-1

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-07-25

1
2
3
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12
13
14

LAB (LOCATION)

- ☐ ACCUTEST ()
☐ CALSCIENCE ()
☒ TESTAMERICA ()
☐ Other ()

Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box.

- ☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☐ OTHER

Print Bill To Contact Name

PlaNet Site or Project ID

☐ CHECK IF NO INCIDENT # APPLIES

PO #

GSAP Project ID

60725302

DATE: 5/29/2024

PAGE: 1 of 2

SAMPLING COMPANY: AECOM		LOG CODE:		SITE ADDRESS: Street and City 501 East D Street, Tacoma		State WA		AECOM Project/Task Number: 60725302							
ADDRESS: 1111 3rd Ave, # 1600, Seattle, WA 98101				EDF DELIVERABLE TO (Name, Company, Office Location) Renee Knecht, AECOM Seattle		PHONE NO		E-MAIL: Renee.Knecht@AECOM.com							
PROJECT CONTACT (Hardcopy or PDF Report to) Renee Knecht - Nathan Gwyn				SAMPLER NAME(S) (Print) Emily Richardson / Molly McDonald		LAB USE ONLY									
TELEPHONE: 206-438-2700				FAX:		Bil To Contact E-MAIL: Nathan.Gwyn@AECOM.com Renee.Knecht@AECOM.com									
TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> STANDARD (14 DAY) <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> RESULTS NEEDED ON WEEKEND				REQUESTED ANALYSIS											
<input type="checkbox"/> LA RWQCB REPORT FORMAT <input type="checkbox"/> UST AGENCY				UNIT COST											
DELIVERABLES: <input type="checkbox"/> LEVEL 1 <input type="checkbox"/> LEVEL 2 <input type="checkbox"/> LEVEL 3 <input type="checkbox"/> LEVEL 4 <input type="checkbox"/> OTHER (SPECIFY)				NON-UNIT COST											
TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3				FIELD NOTES											
SPECIAL INSTRUCTIONS OR NOTES				TEMPERATURE ON RECEIPT C°											
<input type="checkbox"/> SHELL CONTRACT RATE APPLIES <input type="checkbox"/> STATE REIMBURSEMENT RATE APPLIES <input type="checkbox"/> EDD NOT NEEDED <input type="checkbox"/> RECEIPT VERIFICATION REQUESTED <input type="checkbox"/> PROVIDE LEDD DISK				Container PID Readings or Laboratory Notes											
LAB USE ONLY Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT					MS/MSD	
	DATE	TIME		HCL	HNO3	H2SO4	NONE	MeOH							
	DMW 2	5/29/24	1001	GW	X					9	X	X	X		
	FW 14		1008	GW					5	X	X	X	X		
	FW 13		1137	GW	X				3	X	X	X			
	B 25		1142	GW					3	X	X	X			
	B 34		1227	GW	X				3	X	X	X			
	G-18		1351	GW	X				3	X	X	X			
	FW 5R		1409	GW	X				3	X	X	X			
	RR 5		1607	GW	X				3	X	X	X			
RR 2		1600	GW					5	X	X	X	X			
E-22	5/30	0932	GW	X					3	X	X	X			



590-25147 Chain of Custody

Relinquished by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date: 5/31/2024	Time: 0945
Relinquished by (Signature)	Received by (Signature)	Date:	Time:
Relinquished by (Signature)	Received by (Signature) <i>[Signature]</i>	Date: 6/4/24	Time: 11:16

Version: 14Dec15

4.9 com W2024
4.0 com 1/2/24
6/18/2024

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☐ TESTAMERICA (_____)

☐ Other (_____)

Please Check Appropriate Box

<input type="checkbox"/> SGW FDG	<input type="checkbox"/> PIPELINE	<input type="checkbox"/> RETAIL
<input type="checkbox"/> CHEMICALS	<input type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> TRANSPORTATION	<input type="checkbox"/> OTHER _____	

PAGE: 2 of 2

Emily Richardson / Molly McDonald

**Container PID Readings
or Laboratory Notes**

[illegible]

0948

Time:

6/18/2024

Login Sample Receipt Checklist

Client: AECOM

Job Number: 590-25147-1

Login Number: 25147

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B

Data Review

Memorandum

To	Renee Knecht, Project Manager	Info	FINAL
Subject	Summary Data Quality Review Phillips 66 – D Street Terminal, Tacoma Washington 2024 First Semi-Annual Groundwater Sampling		
From	Lucy Panteleeff, Chemist Jennifer B. Garner, Chemist		
Date	June 28, 2024		

The summary data quality review of 20 groundwater samples and one trip blank collected on May 29 and May 30, 2024, has been completed. The samples were analyzed at the Eurofins Spokane laboratory located in Spokane, Washington, for benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, and total xylenes (BTEX) by EPA Method 8260D, total petroleum hydrocarbons (TPHs) by Washington State Department of Ecology (Ecology) Methods NWTPH-Gx (gasoline-range TPH) and NWTPH-Dx (diesel-range and residual-range TPH), and/or naphthalenes (naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene) by EPA Method 8270E modified by selected ion monitoring (SIM). The laboratory provided a summary report containing sample results and associated quality assurance (QA) and quality control (QC) data for all samples. The following samples are associated with Eurofins laboratory group 590-25147-1:

Sample ID	Laboratory ID	Requested Analyses
DMW-2	590-25147-1	BTEX, TPH-Gx, TPH-Dx
FW-14	590-25147-2	BTEX, TPH-Gx, TPH-Dx, Naphthalenes
FW-13	590-25147-3	BTEX, TPH-Gx, TPH-Dx
B-25	590-25147-4	BTEX, TPH-Gx, TPH-Dx
B-34	590-25147-5	BTEX, TPH-Gx, TPH-Dx
G-18	590-25147-6	BTEX, TPH-Gx, TPH-Dx
FW-5R	590-25147-7	BTEX, TPH-Gx, TPH-Dx
RR-5	590-25147-8	BTEX, TPH-Gx, TPH-Dx
RR-2	590-25147-9	BTEX, TPH-Gx, TPH-Dx, Naphthalenes
E-22	590-25147-10	BTEX, TPH-Gx, TPH-Dx
FW-5R-NAPH	590-25147-11	BTEX, TPH-Gx, TPH-Dx, Naphthalenes
RW-8	590-25147-12	BTEX, TPH-Gx, TPH-Dx
T-3	590-25147-13	BTEX, TPH-Gx, TPH-Dx
RW-5R	590-25147-14	BTEX, TPH-Gx, TPH-Dx
T-2	590-25147-15	BTEX, TPH-Gx, TPH-Dx
HC-111	590-25147-16	BTEX, TPH-Gx, TPH-Dx
B-31	590-25147-17	BTEX, TPH-Gx, TPH-Dx
RR-4	590-25147-18	BTEX, TPH-Gx, TPH-Dx
RR-1	590-25147-19	BTEX, TPH-Gx, TPH-Dx
Dup-1 (Field duplicate of RR-4)	590-25147-20	BTEX, TPH-Gx, TPH-Dx
TRIP BLANK	590-25147-21	BTEX, TPH-Gx, TPH-Dx

Data were evaluated based on validation criteria established in the *National Functional Guidelines for Organic Superfund Methods Data Review*, dated November 2020, as applied to the reported methodology.

The following data components were reviewed during the limited data validation procedure for compliance with method specific or laboratory control charted criteria where appropriate: chain of custody forms,



Summary Data Quality Review
Phillips 66 - D Street Terminal, Tacoma, Washington
2024 First Semi-Annual Groundwater Sampling
Laboratory Group: 590-25147-1

holding times, field/method/trip/instrument blanks, surrogate recoveries, matrix spike/matrix spike duplicate recoveries, laboratory and field duplicate results, laboratory control sample/laboratory control sample duplicate recoveries, reporting limits, and electronic data deliverables.

A summary of qualifiers that were assigned to results in these laboratory groups are included in Table 1. Qualifiers that may be assigned to results include:

- U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- DNR - Do Not Report. Another result is available that is more reliable or appropriate.

Sample Receipt

Upon receipt by the laboratory, the sample jar information was compared to the chain-of-custody (COC) and the cooler temperature was recorded. No discrepancies related to sample identification were noted by the laboratory and the cooler was received at a temperature within the EPA recommended temperature limits of greater than 0°C and less than or equal to 6°C. The laboratory only signed and dated the first page of the COC; however, all samples were received together. Sample custody was not compromised by the lack of signatures on the COC.

Organic Analyses

Samples were analyzed for BTEX, TPHs, and/or naphthalenes by the methods identified in the introduction of this report.

1. Holding Times – Acceptable

BTEX by Method 8260D – Samples FW-14, FW-13, B-25, B-34, G-18, FW-5R, RR-5, and RR-2 were analyzed one day outside the method-recommended holding time of 14 days due to a system outage in the laboratory. The results for benzene, toluene, ethylbenzene, m,p-xylene, and o-xylene in these samples were qualified as estimated and flagged 'J' or 'UJ' based on this holding time exceedance.

Gasoline-range TPH by NWTPH-Gx – Samples FW-14, FW-13, B-25, B-34, G-18, FW-5R, RR-5, and RR-2 were analyzed one day outside the method-recommended holding time of 14 days due to a system outage in the laboratory. The results for gasoline-range TPH in these samples were qualified as estimated and flagged 'J' or 'UJ' based on this holding time exceedance.

2. Blanks – Acceptable



Summary Data Quality Review
Phillips 66 - D Street Terminal, Tacoma, Washington
2024 First Semi-Annual Groundwater Sampling
Laboratory Group: 590-25147-1

3. Surrogates – Acceptable
4. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) – Acceptable
5. Matrix Spike/Matrix Spike Duplicate (MS/MSD) – Acceptable

BTEX by Method 8260D – An MS/MSD was prepared using sample DMW-2. Results were acceptable.

NWTPH-Gx – An MS/MSD was prepared using sample DMW-2. Results were acceptable.

NWTPH-Dx – An MS/MSD was prepared using sample DMW-2. Results were acceptable.

Naphthalenes by Method 8270E-SIM – An MS/MSD was not performed in association with this analysis. Precision and accuracy were assessed using the LCS/LCSD results.

6. Field Duplicate (applicable to BTEX and TPH analyses only) – Acceptable where applicable

General – A field duplicate was submitted for RR-4 and identified as DUP-1. Results were comparable.

7. Reporting Limits – Acceptable

General – One or more results in multiple samples were flagged 'J' by the laboratory to indicate a concentration that was less than the reporting limit, but above the MDL. Laboratory 'J'-flagged results are considered estimated. As the result is between the MDL and the reporting limit, there is a greater level of uncertainty associated with the numerical value.

8. Other Items of Note:

NWTPH-Dx – The laboratory noted the following:

- Detected hydrocarbons appear to be due to a heavily weathered diesel range component in DMW-2, FW-13, G-18, E-22, RW-8, and T-3.
- Detected hydrocarbons in the diesel range appear to be due to gasoline overlap in B-25 and RW-5R.
- Detected hydrocarbons in the diesel range appear to be due to weathered diesel in B-34, HC-111, and B-31.

Overall Assessment of Data

The data reported in this laboratory group are usable for meeting project objectives. The completeness for Eurofins laboratory group 590-25147-1 is 100%.



Summary Data Quality Review
Phillips 66 - D Street Terminal, Tacoma, Washington
2024 First Semi-Annual Groundwater Sampling
Laboratory Group: 590-25147-1

Table 1 – Summary of Qualified Data

Sample ID	Laboratory ID	Analyte	Laboratory Result	Units	Final Result	Reason
FW-14	590-25147-2	Benzene	0.093 U	ug/L	0.093 UJ	Holding Time
FW-14	590-25147-2	Ethylbenzene	0.20 U	ug/L	0.20 UJ	Holding Time
FW-14	590-25147-2	m,p-Xylene	0.28 U	ug/L	0.28 UJ	Holding Time
FW-14	590-25147-2	o-Xylene	0.16 U	ug/L	0.16 UJ	Holding Time
FW-14	590-25147-2	Toluene	0.31 U	ug/L	0.31 UJ	Holding Time
FW-14	590-25147-2	Xylenes, Total	0.44 U	ug/L	0.44 UJ	Holding Time
FW-14	590-25147-2	Gasoline	54 U	ug/L	54 UJ	Holding Time
FW-13	590-25147-3	Benzene	0.093 U	ug/L	0.093 UJ	Holding Time
FW-13	590-25147-3	Ethylbenzene	0.20 U	ug/L	0.20 UJ	Holding Time
FW-13	590-25147-3	m,p-Xylene	0.28 U	ug/L	0.28 UJ	Holding Time
FW-13	590-25147-3	o-Xylene	0.16 U	ug/L	0.16 UJ	Holding Time
FW-13	590-25147-3	Toluene	0.31 U	ug/L	0.31 UJ	Holding Time
FW-13	590-25147-3	Xylenes, Total	0.44 U	ug/L	0.44 UJ	Holding Time
FW-13	590-25147-3	Gasoline	54 U	ug/L	54 UJ	Holding Time
B-25	590-25147-4	Benzene	2.2	ug/L	2.2 J	Holding Time
B-25	590-25147-4	Ethylbenzene	0.24 J	ug/L	0.24 J	Holding Time
B-25	590-25147-4	m,p-Xylene	0.45 J	ug/L	0.45 J	Holding Time
B-25	590-25147-4	o-Xylene	0.34 J	ug/L	0.34 J	Holding Time
B-25	590-25147-4	Toluene	0.52 J	ug/L	0.52 J	Holding Time
B-25	590-25147-4	Xylenes, Total	0.79 J	ug/L	0.79 J	Holding Time
B-25	590-25147-4	Gasoline	2,400	ug/L	2,400 J	Holding Time
B-34	590-25147-5	Benzene	12	ug/L	12 J	Holding Time
B-34	590-25147-5	Ethylbenzene	4.9	ug/L	4.9 J	Holding Time
B-34	590-25147-5	m,p-Xylene	0.64 J	ug/L	0.64 J	Holding Time
B-34	590-25147-5	o-Xylene	0.50 J	ug/L	0.50 J	Holding Time
B-34	590-25147-5	Toluene	1.9	ug/L	1.9 J	Holding Time
B-34	590-25147-5	Xylenes, Total	1.1 J	ug/L	1.1 J	Holding Time
B-34	590-25147-5	Gasoline	2,000	ug/L	2,000 J	Holding Time
G-18	590-25147-6	Benzene	0.51	ug/L	0.51 J	Holding Time
G-18	590-25147-6	Ethylbenzene	0.20 U	ug/L	0.20 UJ	Holding Time
G-18	590-25147-6	m,p-Xylene	0.28 U	ug/L	0.28 UJ	Holding Time
G-18	590-25147-6	o-Xylene	0.16 U	ug/L	0.16 UJ	Holding Time
G-18	590-25147-6	Toluene	0.31 U	ug/L	0.31 UJ	Holding Time
G-18	590-25147-6	Xylenes, Total	0.44 U	ug/L	0.44 UJ	Holding Time
G-18	590-25147-6	Gasoline	290	ug/L	290 J	Holding Time
FW-5R	590-25147-7	Benzene	0.34 J	ug/L	0.34 J	Holding Time
FW-5R	590-25147-7	Ethylbenzene	0.27 J	ug/L	0.27 J	Holding Time
FW-5R	590-25147-7	m,p-Xylene	0.28 U	ug/L	0.28 UJ	Holding Time
FW-5R	590-25147-7	o-Xylene	0.16 U	ug/L	0.16 UJ	Holding Time
FW-5R	590-25147-7	Toluene	0.34 J	ug/L	0.34 J	Holding Time
FW-5R	590-25147-7	Xylenes, Total	0.44 U	ug/L	0.44 UJ	Holding Time



Summary Data Quality Review
Phillips 66 - D Street Terminal, Tacoma, Washington
2024 First Semi-Annual Groundwater Sampling
Laboratory Group: 590-25147-1

Sample ID	Laboratory ID	Analyte	Laboratory Result	Units	Final Result	Reason
FW-5R	590-25147-7	Gasoline	1,000	ug/L	1,000 J	Holding Time
RR-5	590-25147-8	Benzene	0.093 U	ug/L	0.093 UJ	Holding Time
RR-5	590-25147-8	Ethylbenzene	0.20 U	ug/L	0.20 UJ	Holding Time
RR-5	590-25147-8	m,p-Xylene	0.28 U	ug/L	0.28 UJ	Holding Time
RR-5	590-25147-8	o-Xylene	0.16 U	ug/L	0.16 UJ	Holding Time
RR-5	590-25147-8	Toluene	0.31 U	ug/L	0.31 UJ	Holding Time
RR-5	590-25147-8	Xylenes, Total	0.44 U	ug/L	0.44 UJ	Holding Time
RR-5	590-25147-8	Gasoline	260	ug/L	260 J	Holding Time
RR-2	590-25147-9	Benzene	0.093 U	ug/L	0.093 UJ	Holding Time
RR-2	590-25147-9	Ethylbenzene	0.20 U	ug/L	0.20 UJ	Holding Time
RR-2	590-25147-9	m,p-Xylene	0.28 U	ug/L	0.28 UJ	Holding Time
RR-2	590-25147-9	o-Xylene	0.16 U	ug/L	0.16 UJ	Holding Time
RR-2	590-25147-9	Toluene	0.31 U	ug/L	0.31 UJ	Holding Time
RR-2	590-25147-9	Xylenes, Total	0.44 U	ug/L	0.44 UJ	Holding Time
RR-2	590-25147-9	Gasoline	54 U	ug/L	54 UJ	Holding Time