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July 15, 2025

AECOM No. 60701804

Thomas Praisewater
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Toxics Cleanup Program
PO Box 47775
Olympia, Washington 98504-7775

Subject: First Semi-Annual 2025 Groundwater Monitoring Report
Chevron Bulk Plant USA 1348, Facility/Site ID 1234, Cleanup Site ID 3762
1656 E J St., Tacoma, Pierce County, WA 98421

Dear Mr. Praisewater:

Please find enclosed the *First Semi-Annual 2025 Groundwater Monitoring Report* (Report), which has been prepared by AECOM Technical Services, Inc (AECOM) on behalf of Chevron Environmental Management Company (CEMC). This report details the field activities and analytical results for the first and second quarters of 2025 groundwater monitoring event at the Former Chevron Bulk Terminal in Tacoma, Washington.

Please contact Brad Wynne at 214-971-1829 or via email below if you have any additional questions, comments, or concerns.

Sincerely,

Brad Wynne, PMP
Project Manager
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Brian Webb, RG, LG
Project Geologist
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cc via email: James Kiernan – CEMC
Marian Abbett – Ecology

First Semi-Annual 2025 Groundwater Monitoring Report

Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington
Facility/Site ID 1234,
Ecology Cleanup Site ID 3762

Chevron Environmental Management Company (CEMC)

July 15, 2025

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Prepared by	Checked by	Approved by
		
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Revision History

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-	1	Chevron
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Prepared for:

Chevron Environmental Management Company

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1. Introduction

Groundwater monitoring is conducted at the Former Chevron Bulk Terminal (Property), Facility Number 1001348, located in Tacoma, Washington (**Figure 1**), following the Washington State Department of Ecology (Ecology) Agreed Order (AO) No. DE7111[1] (**Table 1**). This Report includes a description of groundwater monitoring activities completed in the first and second quarter of 2025, and a summary of corresponding water quality and analytical data. The Site boundary (based on Ecology Administrative Code[2]) is variable and is defined by the estimated horizontal extent of soil and groundwater with petroleum constituent concentrations exceeding Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs).

The Property is located at 1656 E J Street, adjacent to Richlite (formerly Rainier Plywood) to the north, Steeler, Inc. to the west, the Northwest Detention Center to the east, and a Burlington Northern Santa Fe (BNSF) railroad switchyard to the south. The Property and surrounding properties are zoned for heavy industrial, warehousing, and storage purposes[3]. The Property is currently used for vehicle storage for the Northwest Detention Center.

2. Background and Environmental History

The Property operated as a fuel storage and distribution facility from 1905 through 1988 with 13 above-ground storage tanks (ASTs), four underground storage tanks (USTs), two tanker truck-loading racks, two office buildings, several garages, and three pipelines that transported hydrocarbon products to the Thea Foss/Wheeler-Osgood Waterway (**Figure 2A** and **2B**)**.** Decommissioning and removal of historical Site infrastructure began in 1989, with underground piping removed by April 27, 1989[4].

Previous activities and investigations provided evidence of petroleum hydrocarbon releases at the Property, including:

- 1984: Visual evidence of hydrocarbon contamination was identified in soil during well installation and test pit digging activities[4].
- 1989: The City of Tacoma identified petroleum product entering the municipal sewer system through a manhole adjacent to the Property[5].
- 2010 – 2021: Remedial investigation activities indicated remaining gasoline-, diesel-, and oil-range hydrocarbons in soil and groundwater in exceedance of MTCA Method A CULs [6].

Thirty-nine (39) groundwater monitoring wells, 25 hand-augured borings, and 103 test pits were dug/drilled/installed on the Property between 1984 and 2010[6.] Groundwater monitoring wells were later installed on adjacent properties and nearby streets to determine the extent of dissolved-phase hydrocarbon plume migration[7].

As of 2024, the extent of petroleum hydrocarbons remaining in groundwater has not been fully delineated within the perched groundwater-bearing unit or the sand aquifer. Due to various logistical and access-related issues, several of the additional site characterization elements proposed in the Ecology-approved *2020 RI Work Plan*[Error! Bookmark not defined.] have not been implemented. Based on AECOM's assessment of

[1]Ecology. 2009. Agreed Order No. DE 7111. State of Washington Department of Ecology.
[2] Washington Administrative Code (WAC) 173-340-200
[3] PublicGIS. 2023. Pierce County PublicGIS. https://matterhornwab.co.pierce.wa.us/publicgis/. Visited on June 30.
[4] SAIC. 2006. Current Use and Site Summary for Former Standard Oil Bulk Fuel Terminal #100-1348, Tacoma, Washington. Science Applications International Corporation. Bothell, Washington. October 27.
[5] GeoEngineers. 1989. Report of Geotechnical Services Subsurface Contamination Study, Tacoma Bulk Fuel Terminal, Tacoma, Washington. March 22.
[6] SAIC. 2014. Draft Remedial Investigation. Science Application International Corporation. Bothell, Washington. December 15.
[7] Leidos. 2020. Remedial Investigation Work Plan Addendum, Former Chevron Bulk Terminal No. 1001348. January 30, 2020.

the conceptual site model (CSM[8]) and recent groundwater data through 2023, AECOM submitted a *Revised Remediation Investigation Work Plan Amendment*[9], which Ecology approved. Due to ongoing access delays for the adjacent BNSF property, AECOM moved forward with Option 2 of the Work Plan Amendment, which included installing eight nested wells between the two groundwater-bearing zones.

In September 2024, following the third quarter sampling event, four monitoring wells were installed within the perched groundwater-bearing unit (MW-27, MW-28, MW-33, MW-40), and four monitoring wells were installed within the sand aquifer (D-11, D-16, D-23, D-28). As of 2025, Ecology approved the removal of BTEX and Methyl tert-butyl ether (MTBE) from the groundwater analysis list.

3. Geology and Hydrogeology

Site geology consists of well-sorted, fine-to-coarse sand with less than 10 percent (%) silt fill above 10 feet (ft) below ground surface (bgs) that overlies native material alternating between silt and well-sorted sand below 10 ft bgs.

Two groundwater-bearing units (GWBU) have been identified beneath the Site:

- An upper GWBU herein referred to as the perched GWBU.
- A lower confined to semi-confined GWBU, herein referred to as the sand aquifer.

The GWBUs are separated by a discontinuous, approximately 1 to 6 ft thick, semi-permeable to impermeable, organic-rich silt lens that likely represents the original ground surface (tidal flats) prior to infilling and commercial development.

Groundwater within the perched GWBU fluctuates seasonally from approximately 0.5 to 7 ft bgs and may become dry during prolonged periods of drought[10]. The estimated groundwater elevation contours and flow direction for the perched GWBU are generally radially to the north and northeast. Groundwater elevation contours and apparent flow direction for the first and second quarters of 2025 are shown on **Figures 3A** to **3D**.

Groundwater within the sand aquifer ranges from approximately 7 to 10 ft bgs and is influenced by tidal fluctuations from the Puyallup River and Wheeler-Osgood Waterway, confirming a hydraulic connection[8].The overall groundwater flow direction for the first and second quarters was primarily north to northwest/west with a small component to the east. Upgradient flow appears to come from the south and flows north onto the Property. Groundwater elevation contours and apparent flow direction for the first and second quarters of 2025 are shown on **Figures 4A** to **4D**.

4. First Semi-Annual 2025 Gauging and Sampling

4.1 Quarterly Groundwater Gauging

Fifty-two (52) monitoring wells were gauged, and fifty (50) monitoring wells were sampled during the first and second quarter 2025, in accordance with the groundwater monitoring program in **Table 1**. Monitoring wells MW-20 and D-13 contained measurable light non-aqueous phase liquid (LNAPL).

Groundwater sampling field data sheets are included in **Appendix A**. First and second quarter 2025 gauging data and groundwater elevations are presented in **Table 2**, and summarized below:

[8] The ***Updated Draft Remedial Investigation and Data Gap Report*** (Updated Draft RI/DG Report) submitted to Ecology on April 22, 2024.
[9] The ***Revised Remedial Investigation Work Plan Amendment*** submitted to Ecology on August 28, 2024.
[10] SAIC. 2010. Remedial Investigation Work Plan. Science Applications International Corporation. Bothell, Washington. June 4.

Perched GWBU

- The first quarter 2025, well MW-20 had measurable thickness of 0.40 ft. In the second quarter 2025, MW-20 was 0.01 ft. The apparent thickness of LNAPL in MW-20 did exhibit a recent increase in thickness during the first quarter of 2025 which will be further monitoring/confirmed during the next monitoring event. The observed LNAPL presence and thickness in second quarter is consistent with previous data.
- Groundwater depths during the first quarter 2025 ranged from 12.70 ft (MW-26) to 18.20 ft below top of casing (BTOC) (MW-18)[11] and groundwater elevations ranged from 1.75 ft (MW-27) to 7.64 ft (MW-18) (NAVD 88).
- Groundwater depths during the second quarter 2025 ranged from 7.34 ft (MW-36) to 12.60ft below top of casing (BTOC) (MW-27)[11] and groundwater elevations ranged from 1.27 ft (MW-27) to 7.48 ft (MW-18) (NAVD 88).
- Groundwater in the perched GWBU was observed to primarily flow in a north-northeasterly direction with a small component to the northwest. The estimated groundwater flow directions for first and second quarter 2025 are presented on **Figures 3A** and **3B**.

Sand Aquifer

- The observed LNAPL presence and thickness in sand aquifer well D-13 (0.10 ft and 0.07 ft in the first and second quarter 2025, respectively) was consistent with previous data.
- Groundwater depths during first quarter 2025 ranged from 12.75 ft (D-17) to 18.23 ft below TOC (D-06)[11] and groundwater elevations ranged from 5.36 (D-09) to 10.82 ft (D-06) (NAVD 88).
- Groundwater depths during second quarter 2025 ranged from 5.11 ft (D-17) to 10.82 ft below TOC (D-06)[11] and groundwater elevations ranged from 6.74 ft (D-22) to 7.95 ft (D-07) (NAVD 88).
- Groundwater flow direction in the sand aquifer can be variable, due to tidal influence, and the timing of gauging can affect the direction of flow direction. The first quarter was between a falling and rising tide while the second quarter was gauged during a rising tide. The estimated groundwater flow directions for first and second quarter 2025 are presented on **Figures 4A** and **4B**.

4.2 Groundwater Sampling and Analysis

Groundwater sampling for the first and second quarters of 2025 was conducted on January 13-17 and April 7-10, respectively. Both events included sampling at fifty (50) monitoring wells in accordance with the groundwater monitoring program (**Table 1**; **Figures 5A** and **5B**). In January 2025, with Ecology's approval, AECOM implemented some modifications to the sampling plan. BTEX/MTBE were removed from the analysis list. Groundwater samples were not collected at MW-20 or D-13 due to the presence of LNAPL in both wells. Monitoring wells were purged prior to sampling until water quality parameters (temperature, pH, specific conductance, turbidity, dissolved oxygen [DO], and oxidation-reduction potential [ORP]) stabilized. Water quality data (final reading prior to sampling) are presented in **Table 3** and groundwater sampling field sheets are included in **Appendix A**.

Groundwater samples were collected in laboratory-supplied containers after water quality parameter stabilization, placed on ice, and delivered under standard chain-of-custody procedures to Eurofins Seattle Laboratories Environmental Testing, LLC, in Tacoma, Washington for the following analyses:

- Gasoline-Range (TPH-g) via the Northwest Total Petroleum Hydrocarbon (NWTPH) Volatile Petroleum Products (NWTPH-Gx) Method.
- Diesel (TPH-d) and Motor Oil-Range (TPH-o) via the NWTPH Semi-Volatile Petroleum Products (NWTPH-Dx) Method.

[11] All monitoring wells at the Site are flush mount construction.

First and second quarter 2025 groundwater analytical results were compared to MTCA Method A CULs[12]. Sample results which exceeded the CULs for the perched GWBU are summarized in **Table A**:

Table A. First Quarter and Second Quarter 2025 Exceedances – Perched GWBU

Well ID	Sample ID	Sampling Date	TPH-d MTCA CUL 500 ug/L	TPH-o MTCA CUL 500 ug/L
MW-10	MW-10-W-250113	01/13/2025	335	**555**
	MW-10-W-250407	04/7/2025	**1,200**	**970**
MW-11	MW-11-W-250113	01/13/2025	**554**	497
	MW-11-W-250407	04/07/2025	**1,300**	**890**
MW-12	MW-12-W-250116	01/16/2025	**2,740**	**3,080**
	MW-12-W-250407	04/07/2025	**5,400 J**	**2,100 J**
	DUP-1-WD-250407	04/07/2025	**5,700**	**2,200**
MW-13	MW-13-W-250116	01/16/2025	**1,950**	**578**
	MW-13-W-250410	04/10/2025	430	<340
MW-18	MW-18-W-250115	01/15/2025	**3,530**	**1,110**
	MW-18-W-250410	04/10/2025	**3,300**	**1,000**
MW-19	MW-19-W-250117	01/17/2025	**7,670**	**3,150**
	MW-19-W-250410	04/10/2025	**3,000**	**1,700**
MW-21	MW-21-W-250115	01/15/2025	**655**	**1,350**
	MW-21-W-250409	04/09/2025	400	**990**
MW-22	MW-22-W-250115	01/15/2025	**2,060**	**2,330**
	MW-22-W-250409	04/09/2025	**1,600**	**2,000**
MW-24	MW-24-W-250113	01/13/2025	**3,200**	**1,330**
	MW-24-W-250410	04/10/2025	**6,200**	**1,700**
MW-26	MW-26-W-250113	01/13/2025	**842**	**709**
	MW-26-W-250407	04/07/2025	**1,600**	**1,200**
MW-27	MW-27-W-250114	01/14/2025	**648**	**852**
	MW-27-W-250408	04/09/2025	**530**	**740**
MW-28	MW-28-W-250115	01/15/2025	480	**916**
	MW-28-W-250409	04/09/2025	**510**	**1,200**
MW-29	MW-29-W-250115	01/15/2025	**1,210**	**545**
	MW-29-W-250409	04/09/2025	**1,800**	**930**
MW-30	MW-30-W-250113	01/13/2025	**6,600**	**3,810**
	MW-30-W-250407	04/07/2025	**4,700 J**	**3,400 J**

[12] Ecology, Toxics Cleanup Program, 2013. *Model Toxics Control Act Regulations and Statute*. State of Washington Department of Ecology. December 20.

Well ID	Sample ID	Sampling Date	TPH-d MTCA CUL 500 ug/L	TPH-o MTCA CUL 500 ug/L
MW-32	MW-32-W-250116	01/16/2025	**4,700**	**928**
	MW-32-W-250410	04/10/2025	**1,500**	**510**
MW-39	MW-39-W-250115	01/15/2025	**5,090**	**1,470**
	MW-39-W-250408	04/08/2025	**2,000**	**1,000**

Notes: < = not detected above the reporting limit (RL)
J = the analyte was positively identified; however, the reported sample concentration is estimated
bold = detected concentration is equal to or exceeds MTCA Method A Cleanup Levels

Figure 4A presents 2025 groundwater analytical data for TPH-d and TPH-o within the perched GWBU, along with the groundwater exceedance contour for TPH based on the most recent results. As previously presented, the extent of impacted groundwater is not fully defined within the perched GWBU. The installation of the four wells (MW-27, MW-28, MW-33, MW-40) confirmed delineation to the north and west (MW-40 and MW-33). The southern delineation is still not fully defined; however, based on the relatively low and generally decreasing concentrations along with access challenges and groundwater flow coming from the southern direction, it is proposed that delineation be considered adequately completed.

An analysis of the overall TPH trends indicated some variability of TPH concentrations in the plume and perimeter wells; however, several perimeter wells were only slightly above the CULs during the second quarter (i.e. MW-21, MW-27, MW-28). Due to the presence of LNAPL in MW-20, no sample data was collected for this well during first or second quarter and as such no analytical data trends were observed.

First and second quarter 2025 groundwater analytical results were compared to MTCA Method A CULs[13]. Sample results which exceeded the CULs for the sand aquifer are summarized in **Table B**:

Table B. First Quarter and Second Quarter 2025 Exceedances – Sand Aquifer

Well ID	Sample ID	Sampling Date	TPH-d MTCA CUL 500 ug/L	TPH-o MTCA CUL 500 ug/L
D-01	D-01-W-250116	01/16/2025	**6,290**	**2,050**
	DUP-02-WD-250116	04/7/2025	**6,310**	**2,010**
	D-01-W-250410	04/10/2025	**5,900**	**1,800**
	DUP-02-WD-250410	04/07/2025	**5,400**	**1,500**
D-02A	D-02A-W-250116	01/16/2025	**1,540**	**1,420**
	D-02A-W-250408	04/08/2025	**1,100**	**1,100**
D-03A	D-03A-W-250116	01/16/2025	**2,500**	**1,780**
	D-03A-W-250410	04/10/2025	**1,500**	**1,100**
D-06	D-06-W-250115	01/15/2025	**4,770**	**1,230**
	D-06-W-250410	04/10/2025	**6,100**	**1,400**
D-07	D-07-W-250115	01/15/2025	**550**	**514**
	D-07-W-250409	04/09/2025	400	450

[13] Ecology, Toxics Cleanup Program, 2013. *Model Toxics Control Act Regulations and Statute*. State of Washington Department of Ecology. December 20.

Well ID	Sample ID	Sampling Date	TPH-d MTCA CUL 500 ug/L	TPH-o MTCA CUL 500 ug/L
D-08	D-08-W-250114	01/14/2025	**2,550**	**1,020**
	D-08-W-250409	04/09/2025	**1,200**	**1,000**
D-09	D-09-W-250113	01/13/2025	**3,730**	**2,420**
	D-09-W-250407	04/07/2025	**2,800**	**1,800**
D-10	D-10-W-250114	01/14/2025	296	205 J
	D-10-W-250408	04/08/2025	**1,300**	**630**
D-11	D-11-W-250114	01/14/2025	**632**	396
	D-11-W-250408	04/08/2025	**540**	420
D-12	D-12-W-250115	01/15/2025	**1,620**	**1,200**
	D-12-W-250409	04/09/2025	**610**	**800**
D-15	D-15-W-250115	01/15/2025	**2,320**	**1,310**
	D-15-W-250409	04/09/2025	**2,100**	**1,300**
D-16	D-16-W-250115	01/15/2025	496	**994**
	D-16-W-250409	04/09/2025	320	**840**
D-18	D-18-W-250113	01/13/2025	**1,020**	**922**
	D-18-W-250407	04/07/2025	**1,700**	**1,200**
D-19	D-19-W-250116	01/16/2025	**1,300**	**915**
	D-19-W-250409	04/09/2025	**1,100**	**1,100**
D-22	D-22-W-250114	01/14/2025	480	280 J
	D-22-W-250408	04/08/2025	**580**	<340
D-25	D-25-W-250114	01/14/2025	**1,160**	**925**
	D-25-W-250408	04/08/2025	**910**	**730**
D-26	D-26-W-250114	01/14/2025	**512 J**	470 J
	D-26-W-250408	04/08/2025	**570**	**520**
D-27	D-27-W-250115	01/15/2025	**2,340**	**1,470**
	D-27-W-250408	04/08/2025	**2,800**	**1,500**
D-28	D-28-W-250117	01/10/2025	**2,830**	**917**
	D-28-W-250409	04/09/2025	**2,700**	**1,100**

Notes: < = not detected above the reporting limit (RL)

J = the analyte was positively identified; however, the reported sample concentration is estimated

bold = detected concentration is equal to or exceeds MTCA Method A Cleanup Levels

Figure 4B presents 2025 groundwater analytical data for TPH-d and TPH-o within the sand aquifer, along with the groundwater exceedance contour for TPH based on the most recent results. As previously presented, the extent of impacted groundwater is not fully defined within the sand aquifer. The installation of the four wells (D-11, D-16, D-23, D-28) confirmed delineation to the west (D-23). The northern and

southern delineation is still not fully defined; however, as indicated above, based on the relatively low and generally decreasing concentrations along with access challenges and groundwater flow coming from the south, it is proposed that delineation be considered adequately completed. It was noted that two wells along the eastern extent (D-25 and D-26) were slightly above the CULs for TPH during the second quarter. Concentrations at these wells have exhibited some variability. It was also noted that two wells along the southern extent (D-11 and D-16) were slightly above the CULs for TPH during second quarter. Concentrations at these wells have exhibited some variability but concentrations have been decreasing since fourth quarter 2024.

An analysis of the overall TPH trends indicated some variability of TPH concentrations in the plume and perimeter wells; however, several perimeter wells were only slightly above the CULs during the second quarter (i.e. D-11, D-16, D-22, and D-26). Due to the presence of LNAPL in D-13, no sample data was collected for this well during first or second quarters and as such no analytical data trends were observed.

Analytical data for the first and second quarter 2025 are presented in **Table 2** and the laboratory analytical report is provided in **Appendix B**. Data validation was completed for the first and second quarter groundwater samples and is summarized in the data quality review provided in **Appendix C**. Analytical data for 2024 and 2023 are presented in **Table 5** and **6**, respectively. Analytical data from 1992 through 2022 is presented in **Appendix D**.

5. Trend Graphs

Figures 5A and **5B** show TPH concentrations in the groundwater wells screened within the perched GWBU and sand aquifer for the first and second quarters of 2025. Concentration trend graphs plotted with the corresponding groundwater elevations for select wells are presented in **Appendix F**.

Concentration trend graphs are currently showing an overall variable outcome (many with No Trend) along with a few increasing, a few decreasing, and a few locations indicating stable conditions as shown below in **Table C**. The overall trends are variable across the plume. This may be in part due to the variable nature of the tidally influenced groundwater elevations and associated effect on concentrations as an inverse relationship between groundwater concentrations and elevations is apparent on the trend graphs. Overall, concentrations near the leading edges of the plume show a decreasing trend in relation to distance from the property/source and although the trends appear somewhat variable, the plume characteristics indicate an old/stable and attenuating plume (as indicated by previous SGC results as further presented below).

Table C. Summary of Trend Graphs

Well ID	Location	Linear Trends (TPH-d/TPH-o)
Perched GWBU		
MW-13	Western Extents	Decreasing/ Stable
MW-14		Stable/ Decreasing
MW-23		Stable/Stable (based on last 4 events)
MW-25		Sl. Increasing/ Decreasing
MW-19	Mid-plume	Decreasing/ Stable
RMW-01		Stable/ Sl. Increasing
MW-39	Northeastern Plume	Increasing/ Sl. Increasing
MW-21	Southern Extents	Decreasing/ Decreasing

Well ID	Location	Linear Trends (TPH-d/TPH-o)
Perched GWBU		
MW-26	Eastern Extents	Sl. Decreasing/ Sl. Increasing
MW-37		Stable/ Decreasing
MW-38		Stable/Stable (based on last four events and currently below CULs)
Sand Aquifer		
D-01	Plume	Decreasing/ Sl. Increasing
D-08	Northern extents	Decreasing/ Sl. Increasing
D-15	Northern Plume	Decreasing/ Increasing
D-12	Mid-plume	Increasing/ Increasing
D-27	Northeastern Plume	Increasing/ Increasing
D-18	Eastern Extents	Decreasing/ Sl. Increasing
D-24		Sl. Increasing/ Sl. Increasing (however decreasing of late and last two results below CUL for TPH-d. TPH-o remains below CUL)
D-25		Increasing/ Increasing (however, last four events decreasing for both)
D-09	Eastern Plume	Increasing/ Increasing
D-22	Western Extents	Sl. Increasing/ Stable

The concentration trend graphs will continue to be assessed as additional data is obtained and further discussed within the updated RI report planned for submission following completion of delineation. Completion of delineation and additional data will further assist with assessing the overall plume dynamics and concentration trends.

6. Summary and Recommendations

Conclusions from the first and second quarter 2025 groundwater monitoring events include:

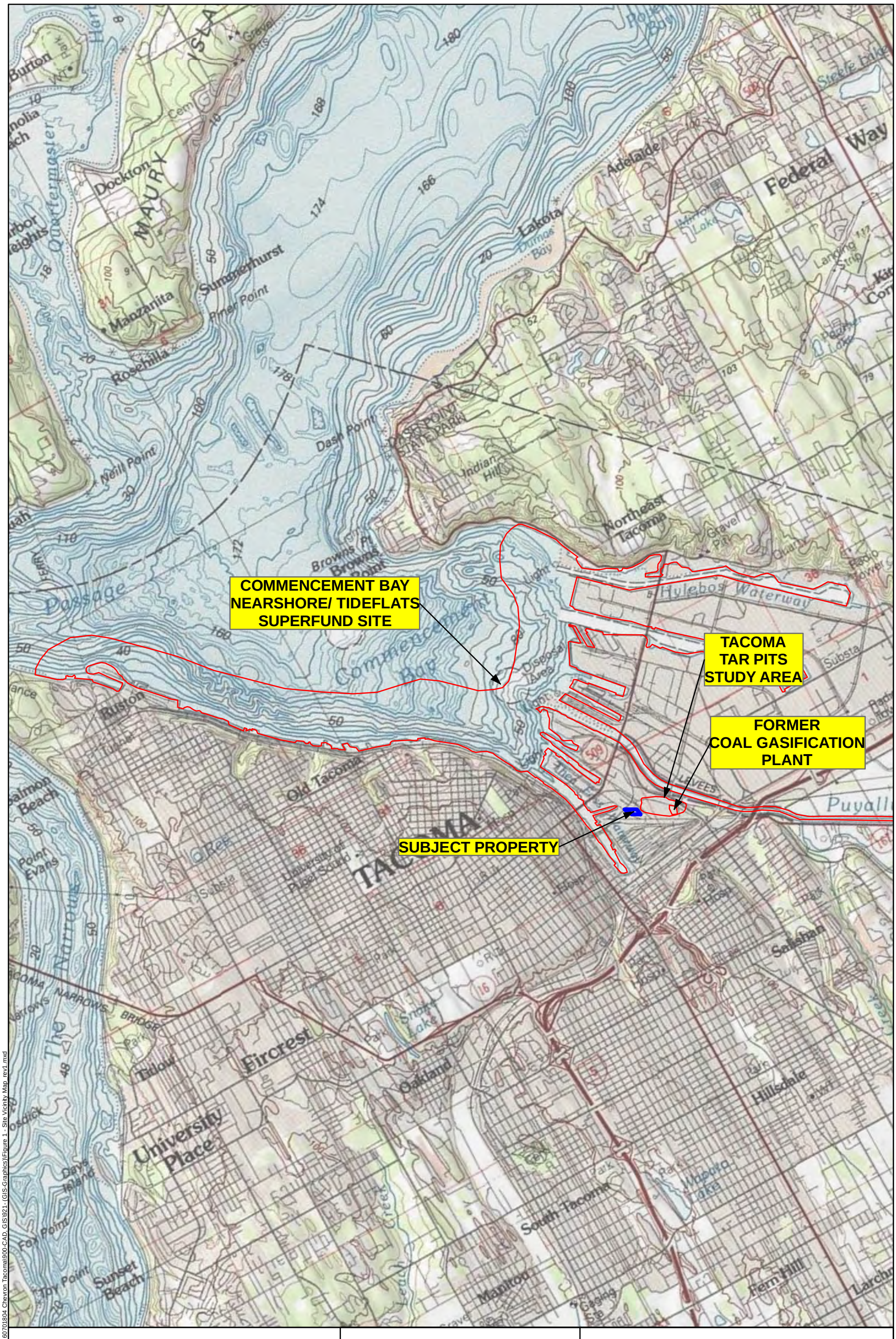
- The first quarter 2025, well MW-20 had measurable thickness of 0.40 ft. In the second quarter 2025, MW-20 was 0.01 ft. The apparent thickness of LNAPL in MW-20 did exhibit a recent increase in thickness during the first quarter of 2025 which will be further monitoring/confirmed during the next monitoring event. The observed LNAPL presence and thickness in second quarter is consistent with previous data.
- The observed LNAPL presence and thickness in sand aquifer well D-13 (0.10 ft and 0.07 ft in the first and second quarter 2025, respectively) was consistent with previous data.
- In January 2025, with Ecology's approval, BTEX/MTBE were removed from the analytical suite.

- Laboratory analyses confirm residual petroleum impacts at the Site are highly weathered and degraded and indicate that natural attenuation has and is likely continuing to occur across the Site. This will be further explored following completion of delineation to Method A CULs.
- COCs in the deeper well (D-14), screened from 29 to 32 ft bgs, continue to be non-detect or below the CULs, indicating that vertical migration of dissolved-phase hydrocarbons is stable and delineated.
- Delineation is nearly complete for the perched GBWU; however, concentrations are still slightly over the CULs in the wells to the south. New wells MW-28 and MW-27 remain slightly over the TPH-d and/or TPH-o CULs but are decreasing. Based on the relatively low and generally decreasing concentrations along with access challenges and groundwater flow coming from the south, it is proposed that delineation be considered adequately complete at the southern extents.
- The sand aquifer unit is mostly delineated to the west and east, but remains slightly over the CULs to the south. New wells D-11 and D-16 remain slightly over the TPH-d and/or TPH-o CULs but also are decreasing. Based on the relatively low and generally decreasing concentrations along with access challenges and groundwater flow coming from the south, it is proposed that delineation be considered adequately complete at the southern extents. Wells to the north remain over the CULs and additional delineation appears warranted in this direction.
- Based on linear trend analysis, some variability in concentrations and trends are evident. Further analysis of trends will continue as additional data is collected and will be discussed within the updated RI report following completion of delineation. Completion of delineation and additional data will further assist with assessing the overall plume dynamics and concentration trends. Overall, concentrations near the leading edges of the plume show a decreasing trend in relation to distance from the property/source and although the trends appear somewhat variable, the plume characteristics indicate an old/stable and attenuating plume (as indicated by previous SGC results).

The following recommendations were developed based on observations and analytical results through the second quarter 2025 groundwater monitoring:

- Continue quarterly groundwater monitoring per the groundwater monitoring program in **Table 1**. The third quarter groundwater monitoring event for 2025 is projected to be completed in July 2025.
- Based on the low and generally decreasing concentrations for wells at the southern extent, along with ongoing access issues and direction of groundwater flow, it is proposed to consider delineation adequately complete at the southern extents. As such, only additional delineation at the northern extents for the sand aquifer remains warranted. Access to the property north of Richlite and across 15th Street is being attempted to install an additional monitoring well.
- Since LNAPL thicknesses have remained minimal to trace, install absorbent socks within the wells and check/replace quarterly to assist with LNAPL removal.
- Once data gaps are addressed and delineation complete, prepare a final draft RI Report, assess options for a remedial path forward, and prepare a Feasibility Study (FS) to identify remedial action alternatives including development of site-specific cleanup actions for the Site (and/or a combined RI/FS will be submitted).

Figures



C:\Users\Lazart\AECOM\Chevron - Legacy PNW - 60701804 Chevron Tacoma\900-CAD, GIS\921- (GIS-Graphics)\Figure 1 - Site Vicinity Map_rev1.mxd

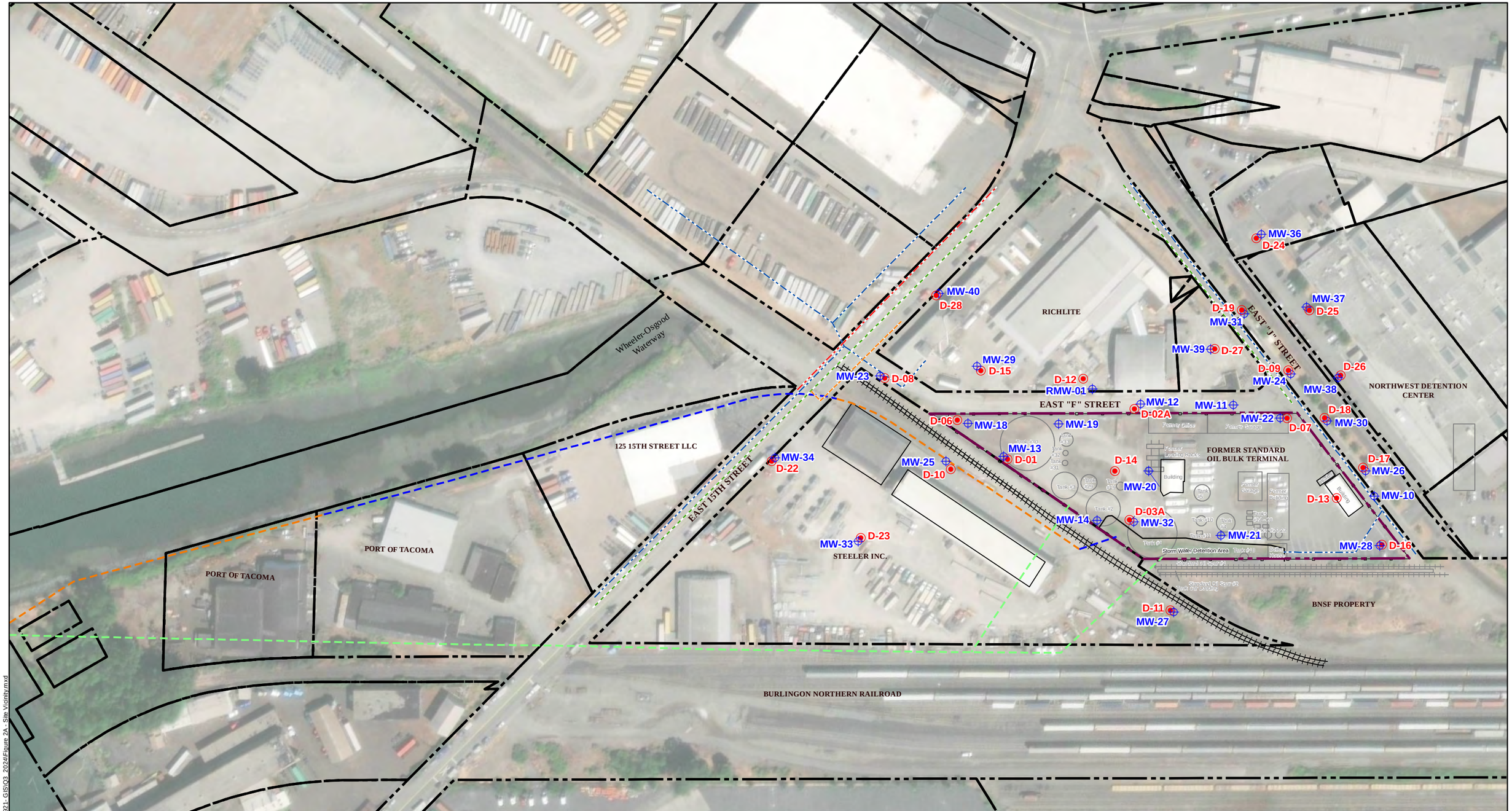
AECOM

Former Chevron Bulk Terminal
Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 1
Site Location Map

Date: July 2025

Project No.: 60701804



LEGEND

- Former Above-Ground Storage Tanks, Buildings, and Structures
- Current Buildings and Structures
- Parcel Boundary
- Property Boundary
- Gas Line
- Overhead Line
- Sanitary Sewer Line
- Storm Sewer Line
- Former Pipeline Shown in 1921 Plan; Disposition Unknown
- Former Pipeline Shown in 1988 Plan; Removed
- Former Pipeline Shown in 1988 Plan; Left in Place
- D-12 — Sand Aquifer Monitoring Well
- MW-25 — Perched Groundwater-bearing Unit Monitoring Well

0 85 170 Feet

AECOM

Former Standard Oil Bulk Terminal/
Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 2A
Site Vicinity Map

Date: July 2025

Project No.: 60701804

C:\Users\boreresc\OneDrive - AECOM\900-CAD_GIS\921- GIS\03_2024\Figure 2A - Site Vicinity.mxd

RICHLITE
MW-39
D-27
MW-29
D-15
D-12
RMW-01
NORTHWEST DETENTION CENTER
D-09
MW-24
D-26
MW-38
EAST "F" STREET
MW-12
D-02A
MW-11
D-06
MW-18
MW-19
MW-22
D-07
D-18
MW-30
Former Office
Former Garage
EAST "J" STREET
Tank #30
Tank #33
Tank #32
Tank #31
MW-13
D-01
Former Loading Racks
FORMER STANDARD OIL BULK TERMINAL
MW-25
D-10
D-14
MW-20
D-17
MW-26
Building
Trailer
Building
Tank #3
Tank #29
Tank #19
Former Garage
Former Buliding
Tank #5
MW-10
D-13
Tank #2
MW-14
D-03A
MW-32
Tanks #24 - 28
Tank #10
Tank #4
Tanks #20-23
STEELER INC.
Tank #11
MW-21
Tank #1
MW-28
D-16
Storm Water Detention Area
Tank #18
Boiler House
Standard Oil Spur #1
BNSF PROPERTY
Standard Oil Spur #2
Tank Car Loading
D-11
MW-27

C:\Users\boneresc\OneDrive - AECOM\900-CAD_GIS\921- GIS\Q3_2024\Figure 2B - Site Plan.mxd

LEGEND

- Former Above-Ground Storage Tanks, Buildings, and Structures
- Current Buildings and Structures
- Parcel Boundary
- Property Boundary

- D-12 — Sand Aquifer Monitoring Well
- MW-25 — Perched Groundwater-bearing Unit Monitoring Well
- Sanitary Sewer Line
- Storm Sewer Line
- Former Pipeline Shown in 1921 Plan; Disposition Unknown
- Former Pipeline Shown in 1988 Plan; Removed
- Former Pipeline Shown in 1988 Plan; Left in Place

0 30 60 Feet

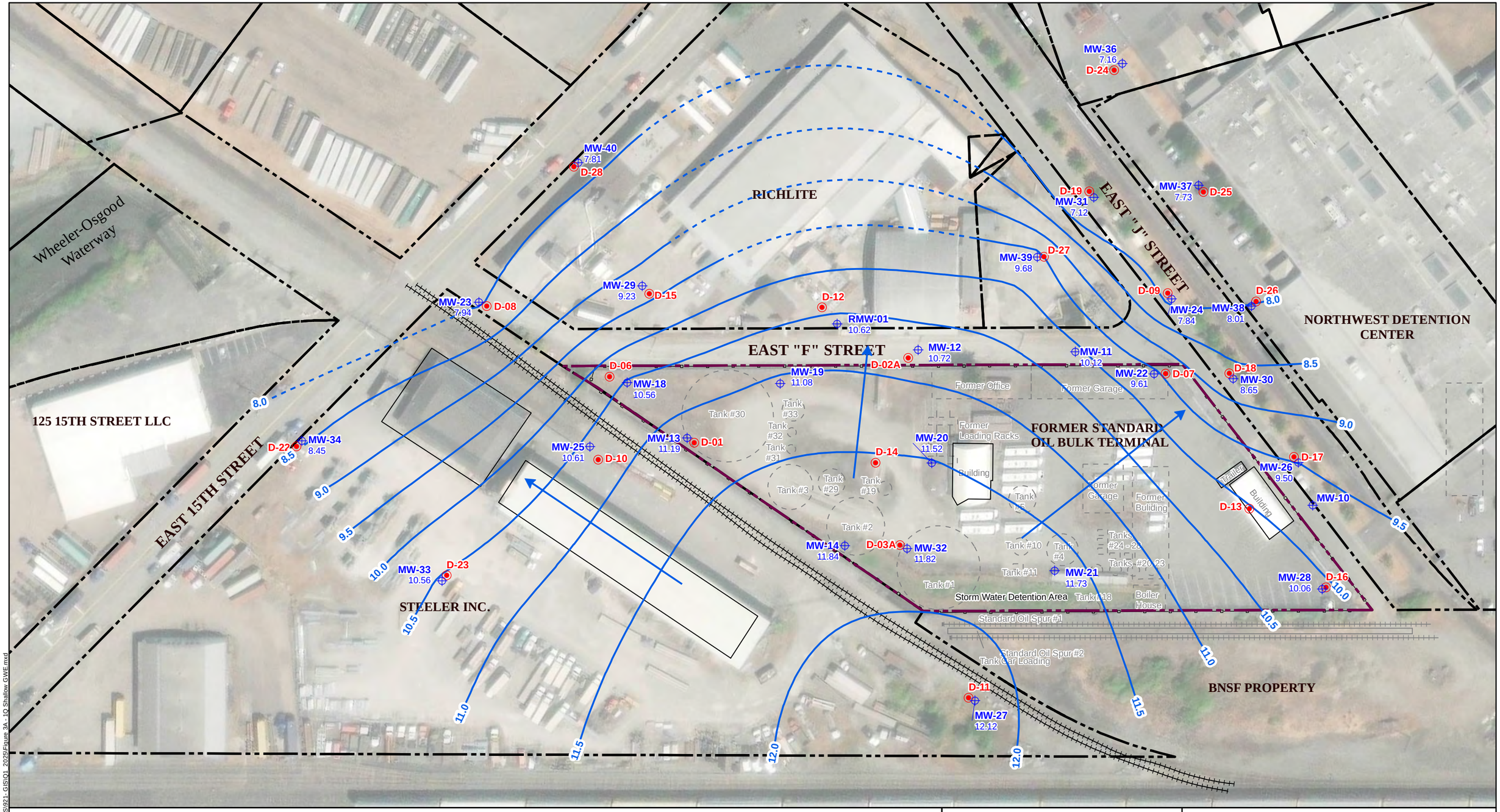
AECOM

Former Standard Oil Bulk Terminal/
Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 2B
Site Plan

Date: July 2025

Project No.: 60701804



LEGEND

- Former Above-Ground Storage Tanks, Buildings, and Structures
- Current Buildings and Structures
- Parcel Boundary
- Property Boundary

- D-12 — Deep Aquifer Monitoring Well
- MW-25 — Shallow Aquifer Monitoring Well
- 10.56 — Groundwater Elevation in feet NAVD88 (Perched Groundwater-bearing Unit)
- NS — Not Surveyed

- Groundwater Elevation Contour in feet NAVD88 (Dashed where inferred)
- Approximate Groundwater Flow Direction
- Feet NAVD88 — North American Vertical Datum 88 feet

0 50 100 Feet

AECOM

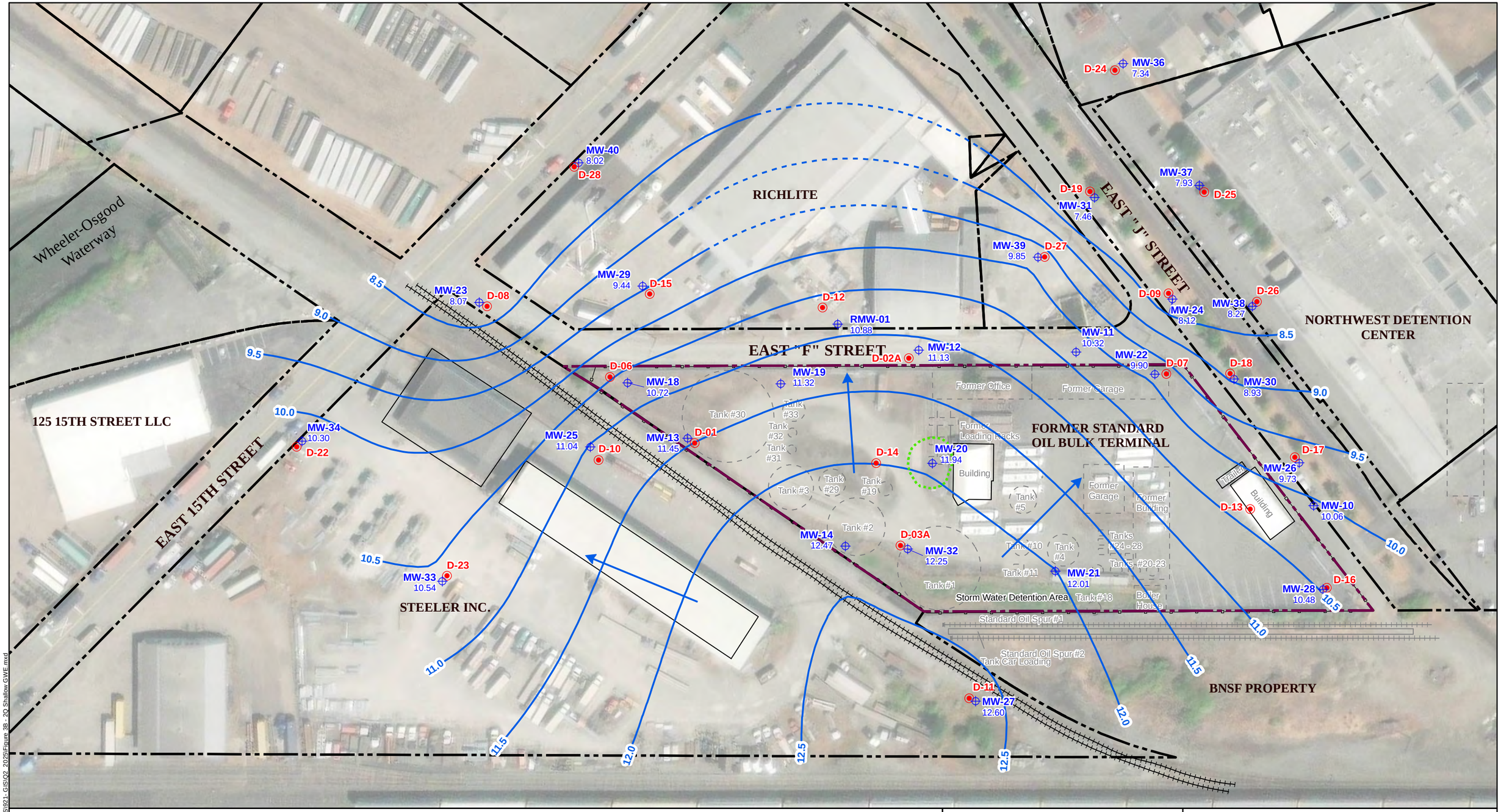
Former Chevron Bulk Terminal
Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 3A
Groundwater Elevation Contours - Perched Groundwater Bearing Unit - First Quarter, January 13, 2025

Date: July 2025

Project No.: 60701804

C:\Users\thorenescu\OneDrive - AECOM\900-CAD, GIS\921- GIS\Q1_2025\Figure_3A - 1Q Shallow GWE.mxd



LEGEND

- D-12 — Deep Aquifer Monitoring Well
- MW-25 — Shallow Aquifer Monitoring Well
- 10.54 — Groundwater Elevation in feet NAVD88 (Perched Groundwater-bearing Unit)
- NS — Not Surveyed
- Former Above-Ground Storage Tanks, Buildings, and Structures
- Current Buildings and Structures
- Parcel Boundary
- Property Boundary
- Groundwater Elevation Contour in feet NAVD88 (Dashed where inferred)
- Approximate Groundwater Flow Direction
- Inferred LNAPL Area (0.01 to 0.5' thickness)
- Feet NAVD88 — North American Vertical Datum 88 feet
- LNAPL — Light Non-Aqueous Phase Liquid

Note:
Monitoring wells MW-27, MW-28, MW-33, MW-40, D-11, D-16, D-23, D-28 not installed until after third quarter sampling.

0 50 100 Feet

AECOM

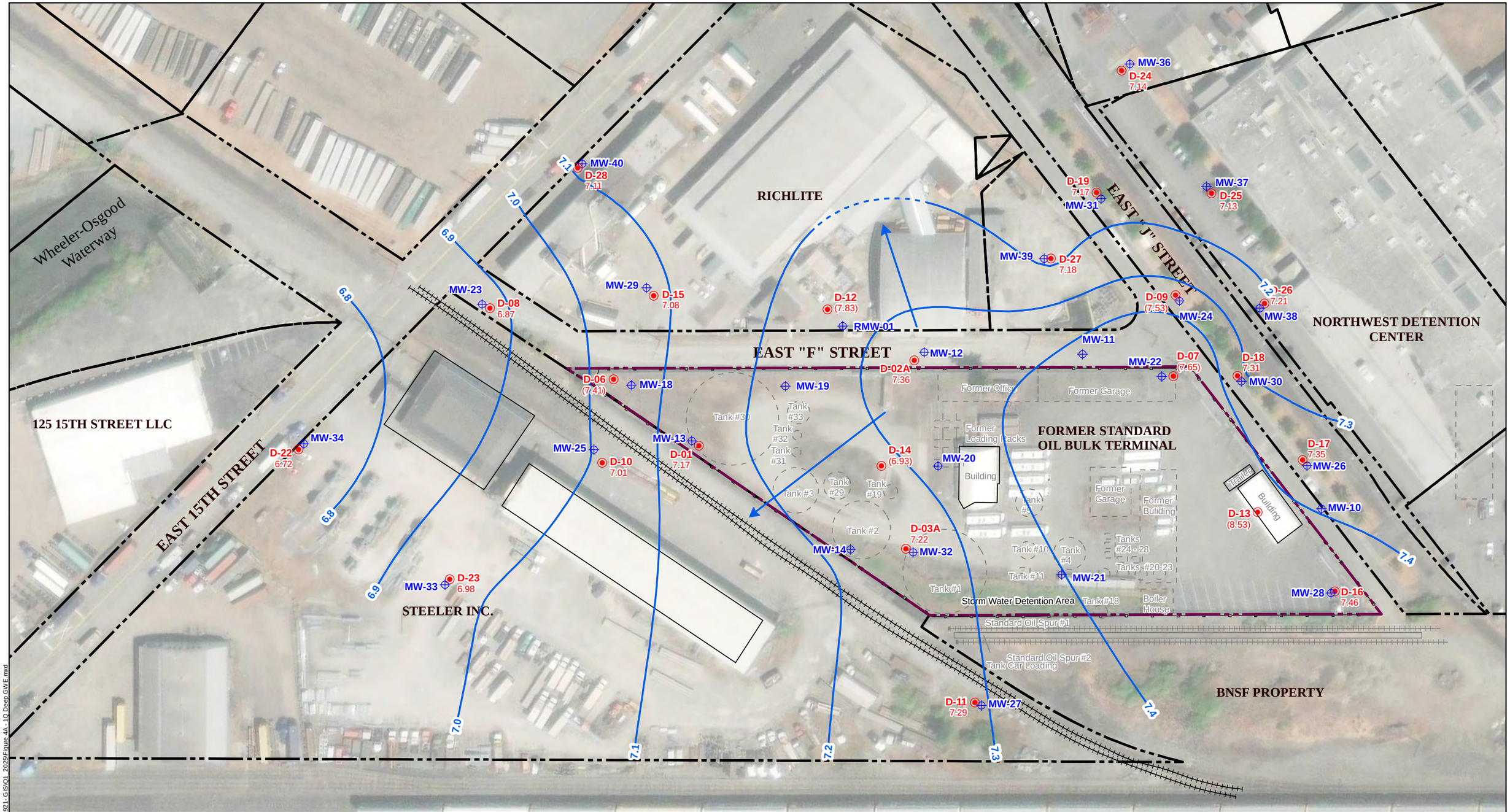
Former Chevron Bulk Terminal
Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 3B
Groundwater Elevation Contours - Perched Groundwater Bearing Unit - Second Quarter, April 7, 2025

Date: July 2025

Project No.: 60701804

C:\Users\thorenescu\OneDrive - AECOM\900-CAD_GIS\921- GIS\Q2_2025\Figure 3B - 2Q Shallow GWE.mxd



LEGEND

- Former Above-Ground Storage Tanks, Buildings, and Structures
- Current Buildings and Structures
- Parcel Boundary
- Property Boundary
- D-12 — Deep Aquifer Monitoring Well
- MW-25 — Shallow Aquifer Monitoring Well
- 6.98 — Groundwater Elevation in feet NAVD88 (Sand Aquifer)
- (6.93) — Groundwater Elevation in feet NAVD88 (Sand Aquifer) Excluded from Contour Lines
- NS — Not Surveyed
- Groundwater Elevation Contour in feet NAVD88 (Dashed where inferred)
- Approximate Groundwater Flow Direction
- Feet NAVD88 — North American Vertical Datum 88 feet

0 50 100 Feet

AECOM

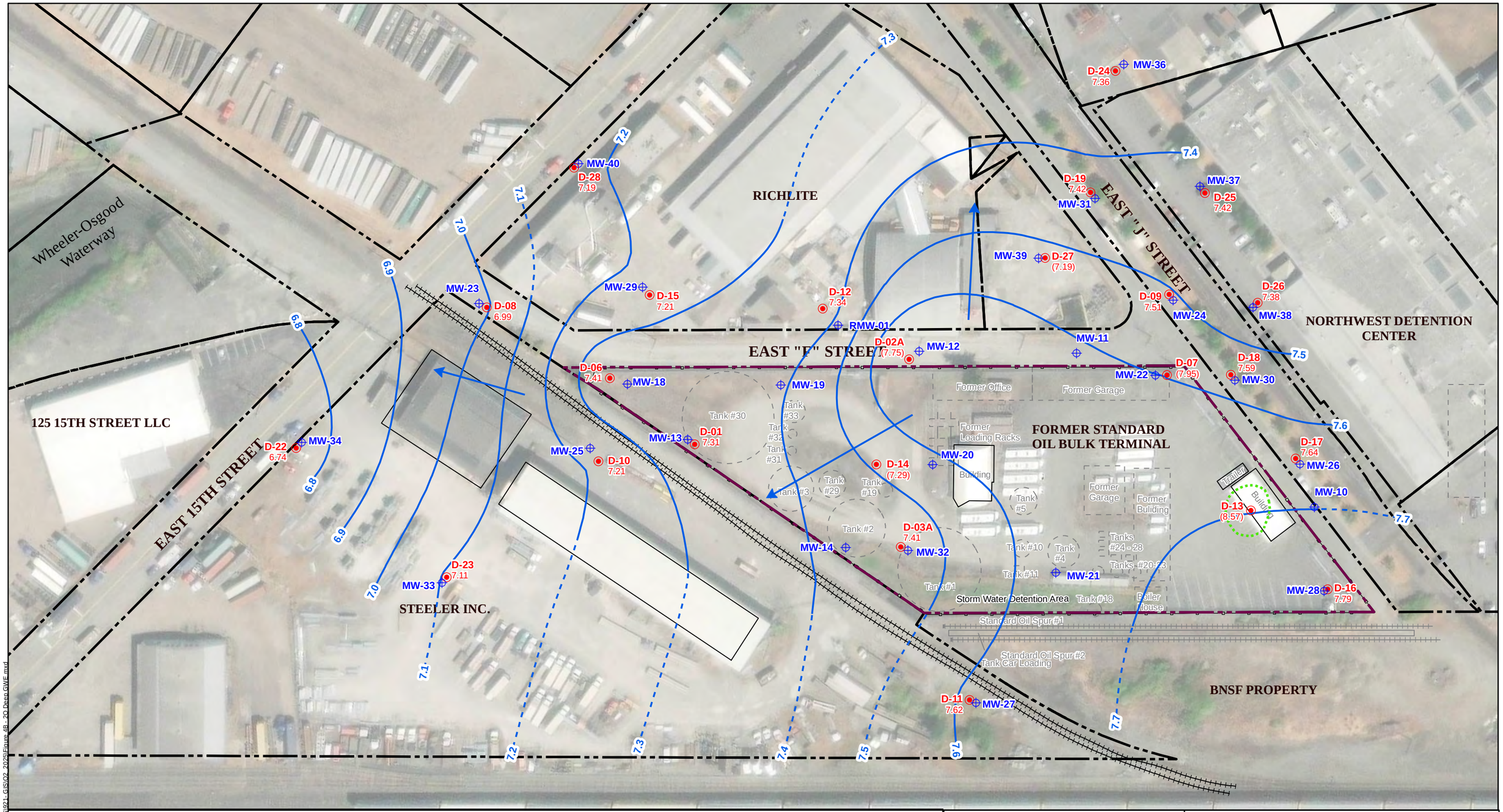
Former Chevron Bulk Terminal
Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 4A
Groundwater Elevation Contours - Sand Aquifer - First Quarter, January 13, 2025

Date: July 2024

Project No.: 60701804

C:\Users\boreresc\OneDrive - AECOM\900-CAD_GIS\921- GIS\01_2025\Figure 4A - 1Q Deep GWE.mxd



LEGEND

- Former Above-Ground Storage Tanks, Buildings, and Structures
- Current Buildings and Structures
- Parcel Boundary
- Property Boundary

D-12	Deep Aquifer Monitoring Well
MW-25	Shallow Aquifer Monitoring Well
7.11	Groundwater Elevation in feet NAVD88 (Sand Aquifer)
(7.29)	Groundwater Elevation in feet NAVD88 (Sand Aquifer) Excluded from Contour Lines
NS	Not Surveyed

- Inferred LNAPL Area (0.01 to 0.5' thickness)
- Groundwater Elevation Contour in feet NAVD88 (Dashed where inferred)
- Approximate Groundwater Flow Direction

LNAPL — Light Non-Aqueous Phase Liquid

Feet NAVD88 — North American Vertical Datum 88 feet

N

0 50 100 Feet

AECOM

Former Chevron Bulk Terminal
Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 4B
Groundwater Elevation Contours - Perched Groundwater Bearing Unit - Second Quarter, April 7, 2025

Date: July 2025

Project No.: 60701804

C:\Users\jonathan.sou\OneDrive - AECOM\800-CAD_GIS\921_GIS\02_2025\Figure 4B - 2Q Perch GWE.mxd

RMW-01		
DATE	2025-01-15	2025-04-09
TPH-g	< 150	< 150
TPH-d	**2,000**	**1,100**
TPH-o	**1,900**	**1,600**

MW-40				
DATE	2024-11-05	2025-01-15	FD	2025-04-09
TPH-g	< 73	< 150	< 150	< 150
TPH-d	**780**	< 190	< 200	< 200
TPH-o	290 J	< 330	< 350	< 350

MW-12			
DATE	2025-01-16	2025-04-07	FD
TPH-g	280	< 150	< 150
TPH-d	**2,700**	**5,400**	**5,700**
TPH-o	**3,100**	**2,100**	**2,200**

MW-39		
DATE	2025-01-15	2025-04-08
TPH-g	< 150	< 150
TPH-d	**5,100**	**2,000**
TPH-o	**1,500**	**1,000**

MW-36		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	< 220	< 210
TPH-o	< 380	< 370

MW-31		
DATE	2025-01-16	2025-04-10
TPH-g	170	< 150
TPH-d	400	< 190
TPH-o	< 370	< 340

MW-37		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	300	230
TPH-o	440	< 380

MW-24		
DATE	2025-01-13	2025-04-10
TPH-g	< 150	< 150
TPH-d	**3,200**	**6,200**
TPH-o	**1,300**	**1,700**

MW-38		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	< 220	< 220
TPH-o	< 390	< 380

MW-29		
DATE	2025-01-15	2025-04-09
TPH-g	< 150	< 150
TPH-d	**1,200**	**1,800**
TPH-o	**540**	**930**

MW-19		
DATE	2025-01-17	2025-04-10
TPH-g	**810**	240
TPH-d	**7,700**	**3,000**
TPH-o	**3,200**	**1,700**

MW-23		
DATE	2025-01-14	2025-04-09
TPH-g	< 150	< 150
TPH-d	< 200	< 200
TPH-o	< 350	370

MW-18		
DATE	2025-01-15	2025-04-10
TPH-g	190	210
TPH-d	**3,500**	**3,300**
TPH-o	**1,100**	**1,000**

MW-34		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	< 200	< 190
TPH-o	< 350	< 340

MW-11		
DATE	2025-01-13	2025-01-13
TPH-g	< 150	< 150
TPH-d	**550**	**1,300**
TPH-o	500	**890**

MW-30		
DATE	2025-01-13	2025-04-07
TPH-g	< 150	< 150
TPH-d	**6,600**	**4,700**
TPH-o	**3,800**	**3,400**

MW-26		
DATE	2025-01-13	2025-04-07
TPH-g	< 150	< 150
TPH-d	**840**	**1,600**
TPH-o	**710**	**1,200**

MW-10		
DATE	2025-01-13	2025-04-07
TPH-g	< 150	< 150
TPH-d	340	**1,200**
TPH-o	**560**	**970**

MW-25		
DATE	2025-01-14	2025-04-08
TPH-g	500	**630**
TPH-d	430	300
TPH-o	< 340	< 350

MW-33			
DATE	2024-11-05	2025-01-14	2025-04-08
TPH-g	< 73	< 150	< 150
TPH-d	< 94	< 210	< 200
TPH-o	< 130	< 360	< 340

MW-32		
DATE	2025-01-16	2025-04-10
TPH-g	**810**	350
TPH-d	**4,700**	**1,500**
TPH-o	**930**	**510**

MW-22			
DATE	2024-11-07	2025-01-15	2025-04-09
TPH-g	< 150	< 150	< 150
TPH-d	**2,100**	**2,100**	**1,600**
TPH-o	**2,300**	**2,300**	**2,000**

MW-28			
DATE	2024-11-07	2025-01-15	2025-04-09
TPH-g	< 73	< 150	< 150
TPH-d	**960**	480	**510**
TPH-o	**1,500**	**920**	**1,200**

MW-13		
DATE	2025-01-16	2025-04-10
TPH-g	380	< 150
TPH-d	**2,000**	430
TPH-o	**580**	< 340

MW-14		
DATE	2025-01-15	2025-04-10
TPH-g	< 150	< 150
TPH-d	250	220
TPH-o	< 340	< 390

MW-20		
DATE	2025-01-13	2025-04
TPH-g	Not sampled due to presence of LNAPL	
TPH-d		
TPH-o		

MW-27			
DATE	2024-11-05	2025-01-14	2025-04-08
TPH-g	< 73	< 150	< 150
TPH-d	**770**	**650**	**530**
TPH-o	**950**	**850**	**740**

MW-21		
DATE	2025-01-15	2025-04-09
TPH-g	< 150	< 150
TPH-d	**650**	400
TPH-o	**1,400**	**990**

Analyte	MTCA Method A Cleanup Level (µg/L)
TPH-g	800
TPH-d	500
TPH-o	500

LEGEND

- Former Above-Ground Storage Tanks, Buildings, and Structures
- Current Buildings and Structures
- Parcel Boundary
- Property Boundary
- TPH MTCA Method A Cleanup Level Exceedance Contour - Based on Q2 Results (dashed where inferred)
- Inferred LNAPL Area (0.01 to 0.05' thickness)

D-12 Sand Aquifer Monitoring Well

MW-25 Perched Groundwater-bearing Unit Monitoring Well

FD = Field duplicate

J = The analyte was positively identified; however, the reported sample concentration is estimated.

LNAPL = Light Non-Aqueous Phase Liquid

NS = Not Sampled

TPH-g = Gasoline-range Total Petroleum Hydrocarbons

TPH-d = Diesel-range Total Petroleum Hydrocarbons

TPH-o = Oil-range Total Petroleum Hydrocarbons

** = Possible lab/sampling error as results appear reversed. Results to be confirmed during subsequent sample events

Notes:
1. All concentrations are µg/L (micrograms per liter). Concentrations shown in **BOLD** and highlighted are above MTCA Method A Cleanup Levels.
2. IW = Insufficient water.
3.*Two TPH-g cleanup levels exist in MTCA Method A Cleanup Levels. The more conservative cleanup level of 800 µg/L, for use when benzene is detected, is presented on this table. When benzene is not detected, the TPH-g cleanup levels is 1000 µg/L.

0 55 110 Feet

AECOM

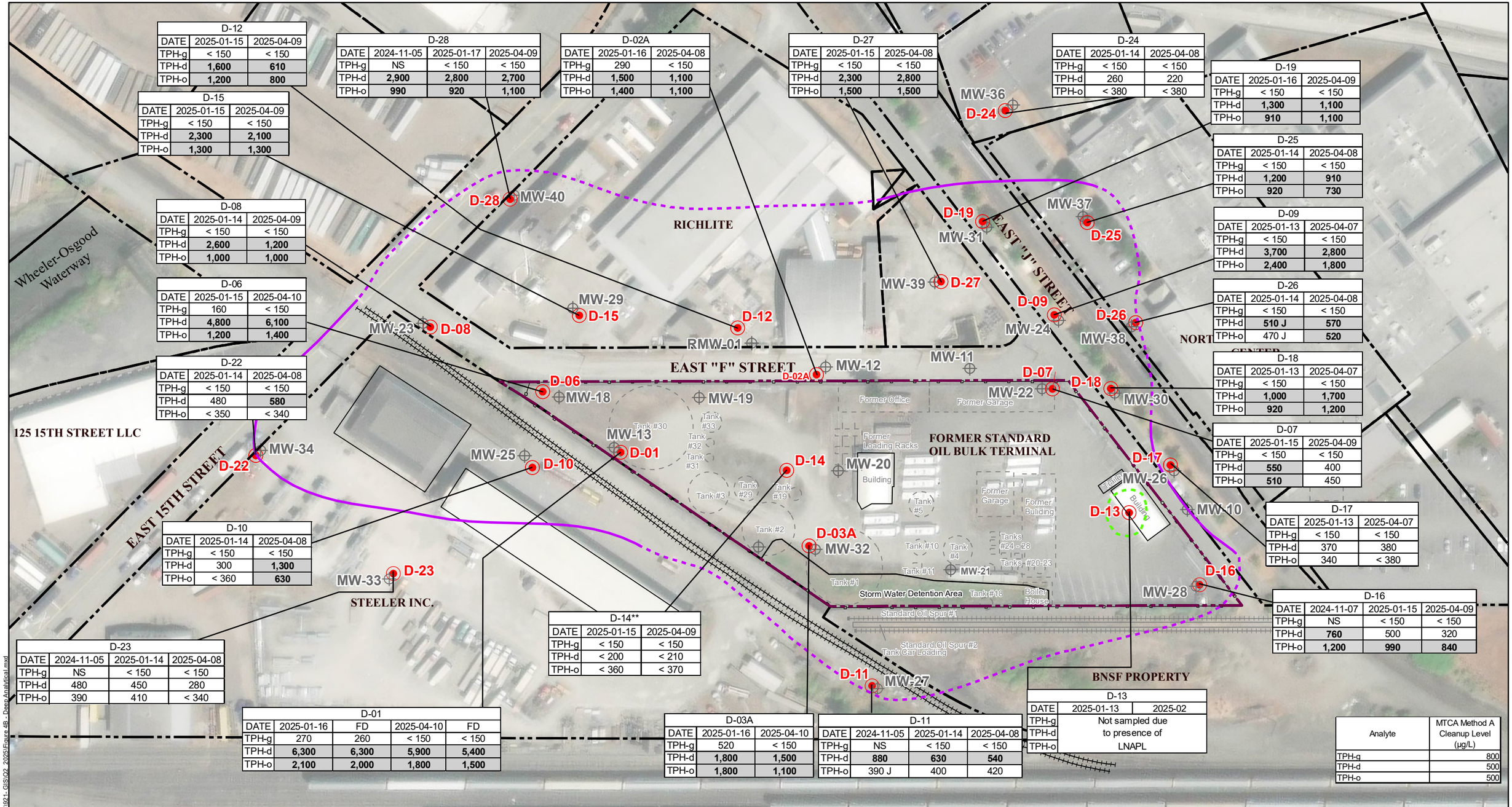
Former Chevron Bulk Terminal
Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 4B
First & Second Quarter 2025 Groundwater Analytical Data - Perched Groundwater Bearing Unit

Date: May 2025

Project No.: 60701804

C:\Users\boereseuc\OneDrive - AECOM\900-CAD_GIS\921-GIS\Q2_2025\Figure 4A - Shallow Analytical.mxd



D-12		
DATE	2025-01-15	2025-04-09
TPH-g	< 150	< 150
TPH-d	**1,600**	**610**
TPH-o	**1,200**	**800**

D-15		
DATE	2025-01-15	2025-04-09
TPH-g	< 150	< 150
TPH-d	**2,300**	**2,100**
TPH-o	**1,300**	**1,300**

D-08		
DATE	2025-01-14	2025-04-09
TPH-g	< 150	< 150
TPH-d	**2,600**	**1,200**
TPH-o	**1,000**	**1,000**

D-06		
DATE	2025-01-15	2025-04-10
TPH-g	160	< 150
TPH-d	**4,800**	**6,100**
TPH-o	**1,200**	**1,400**

D-22		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	480	**580**
TPH-o	< 350	< 340

D-28			
DATE	2024-11-05	2025-01-17	2025-04-09
TPH-g	NS	< 150	< 150
TPH-d	**2,900**	**2,800**	**2,700**
TPH-o	**990**	**920**	**1,100**

D-02A		
DATE	2025-01-16	2025-04-08
TPH-g	290	< 150
TPH-d	**1,500**	**1,100**
TPH-o	**1,400**	**1,100**

D-27		
DATE	2025-01-15	2025-04-08
TPH-g	< 150	< 150
TPH-d	**2,300**	**2,800**
TPH-o	**1,500**	**1,500**

D-24		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	260	220
TPH-o	< 380	< 380

D-19		
DATE	2025-01-16	2025-04-09
TPH-g	< 150	< 150
TPH-d	**1,300**	**1,100**
TPH-o	**910**	**1,100**

D-25		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	**1,200**	**910**
TPH-o	**920**	**730**

D-09		
DATE	2025-01-13	2025-04-07
TPH-g	< 150	< 150
TPH-d	**3,700**	**2,800**
TPH-o	**2,400**	**1,800**

D-26		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	**510 J**	**570**
TPH-o	470 J	**520**

D-18		
DATE	2025-01-13	2025-04-07
TPH-g	< 150	< 150
TPH-d	**1,000**	**1,700**
TPH-o	**920**	**1,200**

D-07		
DATE	2025-01-15	2025-04-09
TPH-g	< 150	< 150
TPH-d	**550**	400
TPH-o	**510**	450

D-17		
DATE	2025-01-13	2025-04-07
TPH-g	< 150	< 150
TPH-d	370	380
TPH-o	340	< 380

D-16			
DATE	2024-11-07	2025-01-15	2025-04-09
TPH-g	NS	< 150	< 150
TPH-d	**760**	500	320
TPH-o	**1,200**	**990**	**840**

D-10		
DATE	2025-01-14	2025-04-08
TPH-g	< 150	< 150
TPH-d	300	**1,300**
TPH-o	< 360	**630**

D-23			
DATE	2024-11-05	2025-01-14	2025-04-08
TPH-g	NS	< 150	< 150
TPH-d	480	450	280
TPH-o	390	410	< 340

D-14**		
DATE	2025-01-15	2025-04-09
TPH-g	< 150	< 150
TPH-d	< 200	< 210
TPH-o	< 360	< 370

D-01				
DATE	2025-01-16	FD	2025-04-10	FD
TPH-g	270	260	< 150	< 150
TPH-d	**6,300**	**6,300**	**5,900**	**5,400**
TPH-o	**2,100**	**2,000**	**1,800**	**1,500**

D-03A		
DATE	2025-01-16	2025-04-10
TPH-g	520	< 150
TPH-d	**1,800**	**1,500**
TPH-o	**1,800**	**1,100**

D-11			
DATE	2024-11-05	2025-01-14	2025-04-08
TPH-g	NS	< 150	< 150
TPH-d	**880**	**630**	**540**
TPH-o	390 J	400	420

D-13		
DATE	2025-01-13	2025-02
TPH-g	Not sampled due to presence of LNAPL	
TPH-d		
TPH-o		

Analyte	MTCA Method A Cleanup Level (µg/L)
TPH-g	800
TPH-d	500
TPH-o	500

LEGEND

- Former Above-Ground Storage Tanks, Buildings, and Structures
- Current Buildings and Structures
- Parcel Boundary
- Property Boundary
- TPH MTCA Method A Cleanup Level Exceedance Contour Based on Q2 Results (dashed where inferred)
- Inferred LNAPL Area (0.01 to 0.5' thickness)

D-12 Sand Aquifer Monitoring Well Location

MW-25 Perched Groundwater-bearing Unit Monitoring Well Location

FD = Field duplicate
J = The analyte was positively identified; however, the reported sample concentration is estimated.
LNAPL = Light Non-Aqueous Phase Liquid
NS = Not Sampled
TPH-g = Gasoline-range Total Petroleum Hydrocarbons
TPH-d = Diesel-range Total Petroleum Hydrocarbons
TPH-o = Oil-range Total Petroleum Hydrocarbon

** = Well screened 29-32 ft bgs for vertical delineation

Notes:
1. All concentrations are µg/L (micrograms per liter). Concentrations shown in **BOLD** and highlighted are above MTCA Method A Cleanup Levels.

0 55 110 Feet

AECOM

Former Chevron Bulk Terminal
Facility No. 1001348
1656 East J Street
Tacoma, Washington

Figure 5B
First & Second Quarter 2025
Groundwater Analytical Data - Sand Aquifer

Date: May 2025 | Project No.: 60701804

C:\Users\bcenesecue\OneDrive - AECOM\900\CAD_GIS\921_GIS\Q2_2025\Figure 4B - Deep Analytical.mxd

Tables

Table 1
Groundwater Monitoring Program
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Work Area	TOC Elevation (feet, NAVD88)	Well Screen Interval (feet, bgs)	Measured Depth to Bottom[a] (feet, BTOC)	Analytical Constituents Method			
					TPH-g NWTPH-Gx	TPH-d NWTPH-Dx	TPH-o NWTPH-Dx	BTEX/MTBE EPA 8260D
Perched Groundwater-bearing Unit Wells								
MW-10	Tacoma City Streets	13.31	2.50 - 8.07	7.60	X	X	X	--
MW-11	Chevron Tacoma Site	14.99	2.50 - 7.22	6.95	X	X	X	--
MW-12	Tacoma City Streets	15.05	2.50 - 8.28	7.98	X	X	X	--
MW-13	Chevron Tacoma Site	16.83	6.00 - 11.00	11.15	X	X	X	--
MW-14	Chevron Tacoma Site	17.61	3.50 - 8.80	12.22	X	X	X	--
MW-18	Chevron Tacoma Site	18.20	3.00 - 9.00	10.48	X	X	X	--
MW-19	Tacoma City Streets	15.46	3.00 - 9.00	9.58	X	X	X	--
MW-20	Chevron Tacoma Site	15.01	3.00 - 9.00	9.00	X	X	X	--
MW-21	Chevron Tacoma Site	14.60	3.00 - 9.00	9.22	X	X	X	--
MW-22	Chevron Tacoma Site	14.67	3.00 - 8.00	7.75	X	X	X	--
MW-23	Tacoma City Streets	13.50	4.00 - 9.00	8.90	X	X	X	--
MW-24	Tacoma City Streets	13.15	4.00 - 9.00	10.08	X	X	X	--
MW-25	Steeler Inc. Property	14.08	5.00 - 10.00	10.22	X	X	X	--
MW-26	Tacoma City Streets	12.70	4.00 - 9.00	9.25	X	X	X	--
MW-27	Steeler Inc. Property	13.87	5.00 - 10.00	15.00	X	X	X	--
MW-28	Chevron Tacoma Site	13.27	5.00 - 10.00	10.50	X	X	X	--
MW-29	Richlite	14.78	4.00 - 9.00	9.24	X	X	X	--
MW-30	Tacoma City Streets	13.07	4.00 - 9.00	9.00	X	X	X	--
MW-31	Tacoma City Streets	13.09	4.00 - 9.00	9.18	X	X	X	--
MW-32	Chevron Tacoma Site	13.82	4.00 - 9.00	9.13	X	X	X	--
MW-33	Steeler Inc. Property	14.70	5.00 - 9.00	9.00	X	X	X	--
MW-34	Steeler Inc. Property	15.62	4.00 - 9.00	12.70	X	X	X	--
MW-36	Detention Center Property	13.52	4.00 - 9.00	9.51	X	X	X	--
MW-37	Detention Center Property	14.54	4.00 - 9.00	9.90	X	X	X	--
MW-38	Detention Center Property	15.35	4.00 - 9.00	9.86	X	X	X	--
MW-39	Richlite	15.00	5.00 - 10.00	9.93	X	X	X	--
MW-40	Richlite	13.58	4.00 - 12.50	12.50	X	X	X	--
RMW-01	Richlite	14.97	5.00 - 10.00	9.85	X	X	X	--

Table 1
Groundwater Monitoring Program
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Work Area	TOC Elevation (feet, NAVD88)	Well Screen Interval (feet, bgs)	Measured Depth to Bottom[a] (feet, BTOC)	Analytical Constituents Method			
					TPH-g NWTPH-Gx	TPH-d NWTPH-Dx	TPH-o NWTPH-Dx	BTEX/MTBE EPA 8260D
Sand Aquifer Wells								
D-01	Chevron Tacoma Site	17.26	15.00 - 20.00	21.35	X	X	X	--
D-02A	Tacoma City Streets	15.16	15.00 - 20.00	19.53	X	X	X	--
D-03A	Chevron Tacoma Site	14.12	15.00 - 20.00	20.25	X	X	X	--
D-06	Chevron Tacoma Site	18.23	15.00 - 20.00	22.50	X	X	X	--
D-07	Chevron Tacoma Site	14.82	15.00 - 20.00	20.00	X	X	X	--
D-08	Tacoma City Streets	13.73	17.00 - 22.00	21.77	X	X	X	--
D-09	Tacoma City Streets	12.90	15.00 - 20.00	19.98	X	X	X	--
D-10	Steeler Inc. Property	14.03	14.00 - 24.00	24.50	X	X	X	--
D-11	Richlite	14.04	15.00 - 25.00	25.00	X	X	X	--
D-12	Richlite	14.85	24.00 - 29.00	28.28	X	X	X	--
D-13	Chevron Tacoma Site	13.84	14.00 - 19.00	19.89	X	X	X	--
D-14	Chevron Tacoma Site	14.82	29.00 - 32.00	31.56	X	X	X	--
D-15	Richlite	14.80	16.00 - 21.00	20.82	X	X	X	--
D-16	Chevron Tacoma Site	13.32	15.00 - 25.00	25.00	X	X	X	--
D-17	Tacoma City Streets	12.75	14.00 - 19.00	18.86	X	X	X	--
D-18	Tacoma City Streets	13.29	14.00 - 19.00	18.87	X	X	X	--
D-19	Tacoma City Streets	13.22	17.00 - 22.00	21.99	X	X	X	--
D-22	Steeler Inc. Property	15.43	15.00 - 20.00	20.19	X	X	X	--
D-23	Steeler Inc. Property	14.67	12.00 - 22.00	22.99	X	X	X	--
D-24	Detention Center Property	13.53	15.00 - 20.00	19.71	X	X	X	--
D-25	Detention Center Property	14.65	14.00 - 19.00	19.90	X	X	X	--
D-26	Detention Center Property	15.22	14.00 - 19.00	19.89	X	X	X	--
D-27	Richlite	14.99	14.00 - 19.00	19.85	X	X	X	--
D-28	Richlite	13.95	15.00 - 25.00	25.00	X	X	X	--

Notes:

Sampling will be completed on a quarterly basis unless otherwise noted. Monitoring wells with detectable SPH at the time of gauging will not be sampled.

Depth to bottom measured during the first quarter 2024 sampling event, unless noted otherwise.

-- = Not measured/ not sampled.
X = Collect measurement / collect sample.
bgs = below ground surface
BTEX = benzene, toluene, ethylbenzene, and xylenes
BTOC = below top of casing
EPA = United States Environmental Protection Agency
ID = identification
MTBE = Methyl tert-Butyl Ether
NAVD88 = North American Vertical Datum of 1988, feet
NWTPH-DX = Northwest - Semi-Volatile Petroleum Products Method
NWTPH-GX = Northwest - Volatile Petroleum Products Method
TOC = top of casing
TPH-d = diesel-range total petroleum hydrocarbons
TPH-g = gasoline-range total petroleum hydrocarbons
TPH-o = oil-range total petroleum hydrocarbons

Table 2 - First Quarter and Second Quarter 2025 Gauging and Groundwater Analytical Data
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

AECOM

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to LNAPL (ft BTOC)	Depth to Groundwater (ft BTOC)	LNAPL Thickness	Groundwater Elevation (ft, NAVD88)	Total Petroleum Hydrocarbons (TPH)				
								TPH-g	TPH-d (w/out Silica gel)	TPH-d (w Silica gel)	TPH-o (w/out Silica gel)	TPH-o (w Silica gel)
MTCA Method A Cleanup Levels[a] (µg/L)								1,000[b]	500		500	
Perched Groundwater Unit												
MW-10	MW-10-W-250113	1/13/2025	13.31	ND	3.50	--	9.81	< 150	335	--	**555**	--
	MW-10-W-250407	4/7/2025	13.31	ND	3.25	--	10.06	< 150	**1,200**	--	**970**	--
MW-11	MW-11-W-250113	01/13/2025	14.99	ND	4.87	--	10.12	< 150	**554**	--	497	--
	MW-11-W-250407	04/07/2025	14.99	ND	4.67	--	10.32	< 150	**1,300**	--	**890**	--
MW-12	MW-12-W-250116	01/16/2025	15.05	ND	4.33	--	10.72	279	**2,740**	--	**3,080**	--
	MW-12-W-250407	04/07/2025	15.05	ND	3.92	--	11.13	< 150	**5,400 J**	--	**2,100 J**	--
	DUP-1-WD-250407							< 150	**5,700**	--	**2,200**	--
MW-13	MW-13-W-250116	01/16/2025	16.83	ND	5.64	--	11.19	384	**1,950**	--	**578**	--
	MW-13-W-250410	04/10/2025	16.83	ND	5.38	--	11.45	< 150	430	--	< 340	--
MW-14	MW-14-W-250115	01/15/2025	17.61	ND	5.77	--	11.84	< 150	251	--	300 J	--
	MW-14-W-250410	04/10/2025	17.61	ND	5.14	--	12.47	< 150	220	--	< 390	--
MW-18	MW-18-W-250115	01/15/2025	18.20	ND	7.64	--	10.56	194	**3,530**	--	**1,110**	--
	MW-18-W-250410	04/10/2025	18.20	ND	7.48	--	10.72	210	**3,300**	--	**1,000**	--
MW-19	MW-19-W-250117	01/17/2025	15.46	ND	4.38	--	11.08	**814**	**7,670**	--	**3,150**	--
	MW-19-W-250410	04/10/2025	15.46	ND	4.14	--	11.32	240	**3,000**	--	**1,700**	--
MW-20	N/A	01/14/2025	15.01	3.08	3.57	0.49	11.52	Not sampled due to presence of LNAPL				
	N/A	04/07/2025	15.01	3.14	3.15	0.01	11.86	Not sampled due to presence of LNAPL				
MW-21	MW-21-W-250115	01/15/2025	14.60	ND	2.87	--	11.73	< 150	**655**	--	**1,350**	--
	MW-21-W-250409	04/09/2025	14.60	ND	2.59	--	12.01	< 150	400	--	**990**	--
MW-22	MW-22-W-250115	01/15/2025	14.67	ND	5.06	--	9.61	< 150	**2,060**	--	**2,330**	--
	MW-22-W-250409	04/09/2025	14.67	ND	4.77	--	9.90	< 150	**1,600**	--	**2,000**	--
MW-23	MW-23-W-250114	01/14/2025	13.50	ND	5.56	--	7.94	< 150	< 200	--	188 J	--
	MW-23-W-250409	04/09/2025	13.50	ND	5.43	--	8.07	< 150	< 200	--	370	--
MW-24	MW-24-W-250113	01/13/2025	13.15	ND	5.31	--	7.84	< 150	**3,200**	--	**1,330**	--
	MW-24-W-250410	04/10/2025	13.15	ND	5.03	--	8.12	< 150	**6,200**	--	**1,700**	--
MW-25	MW-25-W-250114	01/14/2025	14.08	ND	3.47	--	10.61	501	426	--	272 J	--
	MW-25-W-250408	04/08/2025	14.08	ND	3.04	--	11.04	630	300	--	< 350	--
MW-26	MW-26-W-250113	01/13/2025	12.70	ND	3.20	--	9.5	< 150	**842**	--	**709**	--
	MW-26-W-250407	04/07/2025	12.70	ND	2.97	--	9.73	< 150	**1,600**	--	**1,200**	--
MW-27	MW-27-W-250114	01/14/2025	13.87	ND	1.75	--	12.12	< 150	**648**	--	**852**	--
	MW-27-W-250408	04/08/2025	13.87	ND	1.27	--	12.6	< 150	**530**	--	**740**	--
MW-28	MW-28-W-250115	01/15/2025	13.27	ND	3.21	--	10.06	< 150	480	--	**916**	--
	MW-28-W-250409	04/09/2025	13.27	ND	2.79	--	10.48	< 150	**510**	--	**1,200**	--
MW-29	MW-29-W-250115	01/15/2025	14.78	ND	5.55	--	9.23	< 150	**1,210**	--	**545**	--
	MW-29-W-250409	04/09/2025	14.78	ND	5.34	--	9.44	< 150	**1,800**	--	**930**	--
MW-30	MW-30-W-250113	01/13/2025	13.07	ND	4.42	--	8.65	< 150	**6,600**	--	**3,810**	--
	MW-30-W-250407	04/07/2025	13.07	ND	4.14	--	8.93	< 150	**4700 J**	--	**3400 J**	--
MW-31	MW-31-W-250116	01/16/2025	13.09	ND	5.97	--	7.12	166	403	--	331 J	--
	MW-31-W-250410	04/10/2025	13.09	ND	5.63	--	7.46	< 150	< 190	--	< 340	--
MW-32	MW-32-W-250116	01/16/2025	13.82	ND	2.00	--	11.82	810	**4,700**	--	**928**	--
	MW-32-W-250410	04/10/2025	13.82	ND	1.57	--	12.25	350	**1,500**	--	**510**	--
MW-33	MW-33-W-250114	01/14/2025	14.7	ND	4.14	--	10.56	< 150	95.1 J	--	239 J	--
	MW-33-W-250408	04/08/2025	14.7	ND	4.16	--	10.54	< 150	< 200	--	< 340	--
MW-34	MW-34-W-250114	01/14/2025	NS	ND	7.17	--	NS	< 150	< 201	--	< 352	--
	MW-34-W-250408	04/08/2025	NS	ND	5.32	--	NS	< 150	< 190	--	< 340	--
MW-36	MW-36-W-250114	01/14/2025	13.52	ND	6.36	--	7.16	< 150	117 J	--	206 J	--
	MW-36-W-250408	04/08/2025	13.52	ND	6.18	--	7.34	< 150	< 210	--	< 370	--

Table 2 - First Quarter and Second Quarter 2025 Gauging and Groundwater Analytical Data
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

AECOM

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to LNAPL (ft BTOC)	Depth to Groundwater (ft BTOC)	LNAPL Thickness	Groundwater Elevation (ft, NAVD88)	Total Petroleum Hydrocarbons (TPH)				
								TPH-g	TPH-d (w/out Silica gel)	TPH-d (w Silica gel)	TPH-o (w/out Silica gel)	TPH-o (w Silica gel)
MTCA Method A Cleanup Levels[a] (µg/L)								**1,000[b]**	**500**		**500**	
MW-37	MW-37-W-250114	01/14/2025	14.54	ND	6.81	--	7.73	< 150	302	--	437	--
	MW-37-W-250408	04/08/2025	14.54	ND	6.61	--	7.93	< 150	230	--	< 380	--
MW-38	MW-38-W-250114	01/14/2025	15.35	ND	7.34	--	8.01	< 150	122	--	224	--
	MW-38-W-250408	04/08/2025	15.35	ND	7.08	--	8.27	< 150	220	--	380	--
MW-39	MW-39-W-250115	01/15/2025	15.00	ND	5.32	--	9.68	< 150	**5,090**	--	**1,470**	--
	MW-39-W-250408	04/08/2025	15.00	ND	5.15	--	9.85	< 150	**2,000**	--	**1,000**	--
MW-40	MW-40-W-250115	01/15/2025	13.58	ND	5.77	--	7.81	< 150	94.2 J	--	< 332	
	DUP-1-WD-250115							< 150	105 J	--	< 346	
	MW-40-W-250409	04/09/2025	13.58	ND	5.56	--	8.02	< 150	< 200	--	< 350	
RMW-01	RMW-1-W-250115	01/15/2025	14.97	ND	4.35	--	10.62	< 150	**1,990**	--	**1,910**	--
	RMW-01-W-250409	04/09/2025	14.97	ND	4.09	--	10.88	< 150	**1,100**	--	**1,600**	--
Sand Aquifer Wells												
D-01	D-01-W-250116	01/16/2025	17.26	ND	10.09	--	7.17	271	**6,290**	--	**2,050**	--
	DUP-02-WD-250116							261	**6,310**	--	**2,010**	--
	D-01-W-250410	04/10/2025	17.26	ND	9.95	--	7.31	< 150	**5,900**	--	**1,800**	--
	DUP-02-WD-250410							< 150	**5,400**	--	**1,500**	--
D-02A	D-02A-W-250116	01/16/2025	15.16	ND	7.80	--	7.36	290	**1,540**	--	**1,420**	--
	D-02A-W-250408	04/08/2025	15.16	ND	7.41	--	7.75	< 150	**1,100**	--	**1,100**	--
D-03A	D-03A-W-250116	01/16/2025	14.12	ND	6.90	--	7.22	516	**2,500**	--	**1,780**	--
	D-03A-W-250410	04/10/2025	14.12	ND	6.71	--	7.41	< 150	**1,500**	--	**1,100**	--
D-06	D-06-W-250115	01/15/2025	18.23	ND	10.82	--	7.41	164	**4,770**	--	**1,230**	--
	D-06-W-250410	04/10/2025	18.23	ND	10.82	--	7.41	< 150	**6,100**	--	**1,400**	--
D-07	D-07-W-250115	01/15/2025	14.82	ND	7.17	--	7.65	< 150	**550**	--	**514**	--
	D-07-W-250409	04/09/2025	14.82	ND	6.87	--	7.95	< 150	400	--	450	--
D-08	D-08-W-250114	01/14/2025	13.73	ND	6.86	--	6.87	< 150	**2,550**	--	**1,020**	--
	D-08-W-250409	04/09/2025	13.73	ND	6.74	--	6.99	< 150	**1,200**	--	**1,000**	--
D-09	D-09-W-250113	01/13/2025	12.90	ND	5.36	--	7.54	< 150	**3,730**	--	**2,420**	--
	D-09-W-250407	04/07/2025	12.90	ND	5.39	--	7.51	< 150	**2,800**	--	**1,800**	--
D-10	D-10-W-250114	01/14/2025	14.03	ND	7.02	--	7.01	< 150	**296**	--	**205 J**	--
	D-10-W-250408	04/08/2025	14.03	ND	6.82	--	7.21	< 150	**1,300**	--	**630**	--
D-11	D-11-W-250114	01/14/2025	14.04	ND	6.75	--	7.29	< 150	**632**	--	396	--
	D-11-W-250408	04/08/2025	14.04	ND	6.42	--	7.62	< 150	**540**	--	420	--
D-12	D-12-W-250115	01/15/2025	14.85	ND	7.02	--	7.83	< 150	**1,620**	--	**1,200**	--
	D-12-W-250409	04/09/2025	14.85	ND	7.51	--	7.34	< 150	**610**	--	**800**	--
D-13	N/A	01/14/2025	13.84	5.39	5.49	0.10	8.44	Not sampled due to presence of LNAPL				
	N/A	04/07/2025	13.84	5.26	5.33	0.07	8.57	Not sampled due to presence of LNAPL				
D-14	D-14-W-250115	01/15/2025	14.82	ND	7.89	--	6.93	< 150	101 J	--	< 357	--
	D-14-W-250409	04/09/2025	14.82	ND	7.53	--	7.29	< 150	< 210	--	< 370	--
D-15	D-15-W-250115	01/15/2025	14.80	ND	7.72	--	7.08	< 150	**2,320**	--	**1,310**	--
	D-15-W-250409	04/09/2025	14.80	ND	7.59	--	7.21	< 150	**2,100**	--	**1,300**	--
D-16	D-16-W-250115	01/15/2025	13.32	ND	5.86	--	7.46	< 150	496	--	**994**	--
	D-16-W-250409	04/09/2025	13.32	ND	5.53	--	7.79	< 150	320	--	**840**	--
D-17	D-17-W-250113	01/13/2025	12.75	ND	5.4	--	7.35	< 150	371	--	338	--
	D-17-W-250407	04/07/2025	12.75	ND	5.11	--	7.64	< 150	380	--	380	--
D-18	D-18-W-250113	01/13/2025	13.29	ND	5.98	--	7.31	< 150	**1,020**	--	**922**	--
	D-18-W-250407	04/07/2025	13.29	ND	5.7	--	7.59	< 150	**1,700**	--	**1,200**	--
D-19	D-19-W-250116	01/16/2025	13.22	ND	6.05	--	7.17	346	**1,300**	--	**915**	--
	D-19-W-250409	04/09/2025	13.22	ND	5.8	--	7.42	< 150	**1,100**	--	**1,100**	--
D-22	D-22-W-250114	01/14/2025	15.39	ND	8.67	--	6.72	< 150	480	--	280 J	--
	D-22-W-250408	04/08/2025	15.39	ND	8.65	--	6.74	< 150	**580**	--	< 340	--
D-23	D-23-W-250114	01/14/2025	14.67	ND	7.69	--	6.98	< 150	455	--	405	--
	D-23-W-250408	04/08/2025	14.67	ND	7.56	--	7.11	< 150	280	--	< 340	--
D-24	D-24-W-250114	01/14/2025	13.53	ND	6.39	--	7.14	< 150	255	--	202 J	--
	D-24-W-250408	04/08/2025	13.53	ND	6.17	--	7.36	< 150	220	--	< 380	--

Table 2 - First Quarter and Second Quarter 2025 Gauging and Groundwater Analytical Data
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to LNAPL (ft BTOC)	Depth to Groundwater (ft BTOC)	LNAPL Thickness	Groundwater Elevation (ft, NAVD88)	Total Petroleum Hydrocarbons (TPH)				
								TPH-g	TPH-d (w/out Silica gel)	TPH-d (w Silica gel)	TPH-o (w/out Silica gel)	TPH-o (w Silica gel)
MTCA Method A Cleanup Levels[a] (µg/L)								1,000[b]	500		500	
D-25	D-25-W-250114	01/14/2025	14.65	ND	7.52	--	7.13	< 150	**1,160**	--	**925**	--
	D-25-W-250408	04/08/2025	14.65	ND	7.23	--	7.42	< 150	**910**	--	**730**	--
D-26	D-26-W-250114	01/14/2025	NS	ND	8.01	--	NS	< 150	**512 J**	--	470 J	--
	D-26-W-250408	04/08/2025	NS	ND	7.84	--	NS	< 150	**570**	--	**520**	--
D-27	D-27-W-250115	01/15/2025	14.99	ND	7.81	--	7.18	< 150	**2,340**	--	**1,470**	--
	D-27-W-250408	04/08/2025	14.99	ND	7.8	--	7.19	< 150	**2,800**	--	**1,500**	--
D-28	D-28-W-250117	01/10/2025	13.95	ND	6.84	--	7.11	< 73	**2,830**	--	**917**	--
	D-28-W-250409	04/09/2025	13.95	ND	6.76	--	7.19	< 150	**2,700**	--	**1,100**	--

Notes:

TPH-g (or TPH-GRO) = Total Petroleum Hydrocarbons, Gasoline-Range; reported as (C7-C12) via the NWTPH-Gx Volatile Petroleum Products Method in the laboratory analytical report.

TPH-d (or TPH-DRO) = Total Petroluem Hydrocarbons, Diesel Range; reported as (C12-C24) via the NWTPH-Dx Semi-Volatile Petroleum Products Method in the laboratory analytical report.

TPH-o (or TPH-HRO) = Total Petroleum Hydrocarbons, Oil-Range; reported as (C24-C40) via the NWTPH-Dx Semi-Volatile Petroleum Products Method in the laboratory analytical report.

** Top of Casing (TOC) elevations were (re-)surveyed by Bush, Roed & Hitching, Inc. on October 16-17, 2023.

[a] Department of Ecology Model Toxics Control Act (MTCA) Method A Cleanup Levels

[b] Two TPH-g cleanup levels exist in MTCA Method A Cleanup Levels. The more conservative cleanup level of 800 µg/L, for use when benzene is detected, is presented in this table. When benzene is not detected, however, the cleanup level is 1,000 µg/L.

[c] Corrected groundwater elevation for wells containing LNAPL: TOC - DTW + (T_{LNAPL} * S_{LNAPL})

TOC = top of casing elevation
DTW = depth to water (ft btoc)
T_{LNAPL} = LNAPL thickness (DTW - Depth to LNAPL)
SG_{LNAPL} = specific gravity of LNAPL (assumes an average specific gravity of 0.87)

Abbreviations:

µg/L = micrograms per liter
TOC = top of casing
NAVD88 = North American Vertical Datum of 1988
ft btoc = feet below top of casing
LNAPL - light non-aqueous phase liquid
NWTPH = Northwest Total Petroleum Hydrocarbons
N/A = not applicable (sample not collected)
NS = not surveyed
NA = not analyzed
ND = LNAPL not detected in well
DUP = duplicate sample
* = Possible lab/sampling error as results appear reversed.

1. All TPH concentrations are reported in units of µg/L.
2. Reported values not detected above the laboratory Method Detection Limit (MDL) are preceded by "<".
3. Reported values followed by "J" indicate estimated concentrations above the MDL.
4. Reported values followed by "U" indicate analyte is qualified as not detected, based on the data validation review.
5. Reported values followed by "UJ" indicate the analyte was not detected above the MDL, but the MDL is estimated.
6. **Results that are greater than the MTCA Method A Cleanup Levels are indicated by bolded and shaded values.**
7. *Results in Italics indicate non-detect value is greater than CUL*

Table 3 - First Quarter 2025 Water Quality Parameters
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

AECOM

Well ID	Date	Temperature	pH	Conductivity	Dissolved Oxygen	ORP	Turbidity
Units		°C	su	µS/cm	mg/L	mV	NTU
Perched Groundwater-Bearing Unit Wells							
MW-10	01/13/2025	10.80	6.65	0.540	3.43	268.8	3.25
MW-11	01/13/2025	11.90	7.17	0.550	2.19	220.9	2.28
MW-12	01/16/2025	10.10	6.84	0.748	3.91	21.5	0.00
MW-13	01/16/2025	10.20	6.70	0.246	2.87	2.6	4.12
MW-14	01/15/2025	9.20	6.90	0.198	4.89	52.7	0.25
MW-18	01/15/2025	Data was lost due to program crash, values were stable at the time of sampling					
MW-19	01/20/2025	11.70	6.80	0.817	0.24	-30.1	3.99
MW-21	01/15/2025	10.20	6.60	0.380	0.78	106.3	13.40
MW-22	01/15/2025	11.20	6.91	0.848	0.26	-60.1	0.01
MW-23	01/14/2025	11.30	7.73	3.677	8.27	107.1	0.79
MW-24	01/13/2025	9.70	6.66	0.867	7.35	19.1	65.80
MW-25	01/14/2025	11.20	7.90	0.409	0.31	-90.2	6.32
MW-26	01/13/2025	10.20	6.74	0.770	0.25	25.2	1.18
MW-27	01/14/2025	9.20	7.30	0.664	0.32	-100.2	1.92
MW-28	01/15/2025	9.20	7.04	0.427	2.43	33.0	9.56
MW-29	01/15/2025	12.20	6.78	0.604	0.77	51.6	4.17
MW-30	01/13/2025	10.40	6.56	0.831	1.50	-26.1	10.10
MW-31	01/16/2025	10.00	6.63	0.848	0.63	5.3	14.60
MW-32	01/16/2025	10.00	6.44	0.429	0.17	-60.5	14.60
MW-33	01/14/2025	10.20	6.92	0.955	5.70	109.1	1.81
MW-34	01/14/2025	10.00	7.15	0.478	6.39	90.4	0.97
MW-36	01/14/2025	12.00	6.87	0.730	0.33	70.0	14.40
MW-37	01/14/2025	13.30	6.82	1.305	0.13	-141.6	0.88
MW-38	01/14/2025	11.00	6.17	0.486	0.21	215.8	0.59
MW-39	01/14/2025	12.10	6.82	0.797	0.59	16.1	1.03
MW-40	01/15/2025	11.70	7.04	0.777	2.31	29.5	0.09
RMW-01	01/15/2025	10.70	7.00	0.611	3.49	22.2	1.20
Sand Aquifer Wells							
D-01	01/16/2025	12.10	6.96	0.776	0.21	-111.7	33.80
D-02A	01/16/2025	13.10	6.74	0.558	0.25	31.9	25.80
D-03A	01/16/2025	12.80	6.93	0.924	0.23	-160.4	5.01
D-06	01/15/2025	11.70	7.02	0.530	0.44	-86.2	28.90
D-07	01/15/2025	13.60	6.71	0.711	0.20	-97.5	14.80
D-08	01/14/2025	12.00	6.88	0.793	0.20	-84.0	70.10
D-09	01/13/2025	12.80	6.67	0.906	0.20	-64.2	34.00
D-10	01/14/2025	11.60	7.11	0.606	1.19	7.8	23.70
D-11	01/14/2025	12.50	7.03	0.975	0.58	-153.5	6.73
D-12	01/15/2025	12.50	7.05	0.798	0.35	-148.3	0.47
D-14	01/15/2025	11.20	7.70	1.878	0.30	-119.5	10.80
D-15	01/15/2025	14.10	6.81	0.703	0.41	-126.4	2.26
D-16	01/15/2025	10.60	7.18	0.507	0.47	2.6	11.10
D-17	01/13/2025	12.30	6.58	0.660	0.26	-72.0	5.68
D-18	01/13/2025	12.00	6.65	0.838	5.11	-6.3	13.90
D-19	01/16/2025	11.60	6.38	0.726	0.57	16.4	23.5
D-22	01/14/2025	11.70	6.99	0.492	0.24	-125.8	2.65
D-23	01/14/2025	11.70	7.13	0.885	0.85	-127.2	2.42
D-24	01/14/2025	15.00	6.90	16.429	0.34	-330.0	2.61
D-25	01/14/2025	14.60	6.57	0.688	1.60	-74.5	2.26
D-26	01/14/2025	13.70	6.39	0.466	0.13	-38.6	4.78
D-27	01/15/2025	13.20	6.61	0.815	0.34	-90.4	3.59
D-28	01/17/2025	12.10	7.03	0.705	0.20	-20.3	0.00

Notes:
°C = degrees Celsius
µS/cm = microSiemens per centimeter
ID = identification
mg/L = milligram per liter
mV = millivolt
NTU = nephelometric turbidity unit
ORP = oxidation reduction potential
su = standard unit

Table 4 - Second Quarter 2025 Water Quality Parameters
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Date	Temperature	pH	Conductivity	Dissolved Oxygen	ORP	Turbidity
Units		°C	su	µS/cm	mg/L	mV	NTU
Perched Groundwater-Bearing Unit Wells							
MW-10	04/07/2025	13.3	6.78	0.635	3.25	113.9	4.34
MW-11	04/07/2025	12.0	6.91	0.739	2.55	109.2	3.46
MW-12	04/07/2025	10.0	6.64	0.797	2.31	113.9	54.7
MW-13	04/10/2025	10.7	6.88	0.242	1.42	142.2	1.99
MW-14	04/10/2025	13.3	7.00	0.171	4.78	63.5	10.5
MW-18	04/10/2025	11.0	7.15	0.386	4.29	49.1	1.58
MW-19	04/10/2025	12.8	6.88	0.557	2.03	89.6	4.70
MW-21	04/09/2025	12.6	6.61	0.434	1.46	107.7	3.71
MW-22	04/09/2025	12.4	6.91	0.948	2.01	-2.7	7.80
MW-23	04/09/2025	9.80	8.37	1.208	8.84	110.9	1.78
MW-24	04/10/2025	9.60	6.78	0.642	0.73	161.8	20.7
MW-25	04/08/2025	11.3	7.84	0.423	2.82	-185.9	1.10
MW-26	04/07/2025	11.5	6.93	0.735	1.37	116.5	3.08
MW-27	04/08/2025	10.3	7.18	0.550	2.00	-177.8	2.66
MW-28	04/09/2025	12.1	6.98	0.555	1.17	59.6	3.41
MW-29	04/09/2025	13.3	6.68	0.555	2.96	90.2	3.79
MW-30	04/07/2025	11.7	6.64	0.894	2.81	114.2	2.79
MW-31	04/09/2025	10.9	6.69	0.850	0.32	-11.3	40.3
MW-32	04/10/2025	11.2	6.55	0.219	0.83	23.2	5.57
MW-33	04/08/2025	9.6	6.81	0.988	2.49	148.0	1.26
MW-34	04/08/2025	9.4	7.40	0.419	5.68	160.4	0.47
MW-36	04/08/2025	10.5	6.86	1.106	2.75	109.0	13.7
MW-37	04/08/2025	13.7	6.82	1.191	2.22	-97.9	0.70
MW-38	04/08/2025	11.1	6.32	0.467	2.44	38.2	4.61
MW-39	04/08/2025	10.9	7.06	0.707	1.35	63.8	0.79
MW-40	04/09/2025	13.7	6.75	0.722	4.72	12.7	1.61
RMW-1	04/09/2025	11.6	6.68	0.679	6.35	94.6	1.01
Sand Aquifer Wells							
D-01	04/10/2025	14.0	6.90	0.772	1.27	15.9	24.5
D-02A	04/08/2025	11.9	6.91	0.590	0.20	-115.6	36.3
D-03A	04/10/2025	13.3	6.96	0.982	1.08	-63.5	7.27
D-06	04/10/2025	13.1	7.04	0.612	0.39	-11.1	21.9
D-07	04/09/2025	14.6	6.76	0.796	1.80	-27.4	40.0
D-08	04/09/2025	11.1	7.06	0.806	0.25	-126.0	29.4
D-09	04/07/2025	11.8	12.38	0.867	0.25	-50.4	25.6
D-10	04/08/2025	13.2	6.71	0.676	1.82	-102.2	1.98
D-11	04/08/2025	12.0	6.80	0.922	1.93	-145.4	3.63
D-12	04/09/2025	13.3	6.90	0.740	1.88	-138.9	5.42
D-14	04/09/2025	14.6	7.19	0.143	7.76	113.4	2.6
D-15	04/09/2025	15.3	6.69	0.661	1.67	-87.5	20.3
D-16	04/09/2025	12.0	7.01	0.532	1.01	90.4	3.00
D-17	04/07/2025	12.8	6.68	0.587	1.27	74.8	59.1
D-18	04/07/2025	12.3	6.72	0.848	2.04	118.3	43.9
D-19	04/09/2025	11.4	6.46	0.721	0.14	29.1	111
D-22	04/08/2025	10.3	7.09	0.499	0.22	-120.9	8.70
D-23	04/08/2025	11.2	7.12	0.868	0.21	-137.5	1.32
D-24	04/08/2025	13.0	6.94	9.208	1.22	-288.9	0.97
D-25	04/08/2025	13.4	6.58	0.700	1.89	-12.2	75.8
D-26	04/08/2025	13.2	6.69	0.563	3.81	-21.8	149
D-27	04/08/2025	12.1	6.74	0.858	0.22	-86.2	19.5
D-28	04/09/2025	12.7	7.10	0.737	0.20	-14.2	0.80

Notes:
°C = degrees Celsius
µS/cm = microSiemens per centimeter
ID = identification
mg/L = milligram per liter
mV = millivolt
NTU = nephelometric turbidity unit
ORP = oxidation reduction potential
su = standard unit

Table 5 - Cumulative 2024 Gauging and Groundwater Analytical Data
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft BTOC)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
							Benzene	Toluene	Ethylbenzene	Xylene (total)	MTBE	TPH-g	TPH-d (w/out Silica gel)	TPH-d (w Silica gel)	TPH-o (w/out Silica gel)	TPH-o (w Silica gel)
MTCA Method A Cleanup Levels[a] (µg/L)							**5**	**1000**	**700**	**1000**	**20**	**800[b]**	**500**		**500**	
Perched Groundwater Unit																
MW-10	MW-10-W-240311	03/11/2024	13.31	ND	3.46	9.85	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**2,400**	--	**1,400**	--
	MW-10-W-240621	06/21/2024	13.31	ND	4.97	8.34	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,100**	450	**1,200**	< 140
	N/A	09/03/2024	13.31	ND	6.40	6.91	Well went dry during sampling. Sample not collected.									
	MW-10-W-241104	11/04/2024	13.31	ND	5.52	7.79	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,000**	--	**1,200**	--
MW-11	MW-11-W-240315	03/15/2024	14.99	ND	4.78	10.21	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	15 J	**2,100**	--	**1,200**	--
	N/A	06/17/2024	14.99	ND	5.75	9.24	Well went dry during sampling. Sample not collected.									
	N/A	09/03/2024	14.99	ND	6.89	8.10	Well went dry during sampling. Sample not collected.									
	N/A	11/04/2024	14.99	ND	ND	N/A	Well dry during gauging.									
MW-12	MW-12-W-240312	03/12/2024	15.05	ND	4.23	10.82	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**4,700**	--	**4,000**	--
	MW-12-W-240618	06/18/2024	15.05	ND	5.58	9.47	< 2.4	< 3.9	< 5.0	< 5.3	< 4.4	< 730	**7,600**	**3,100**	**3,400**	200 J
	MW-12-W-240904	09/04/2024	15.05	ND	6.31	8.74	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	540	**7,100**	--	**1,700**	--
	MW-12-W-241106	11/06/2024	15.05	ND	5.85	9.20	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	520	**8,300**	--	**2,400**	--
MW-13	MW-13-W-240315	03/15/2024	16.83	ND	5.66	11.17	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	17 J	**560**	--	370 J	--
	MW-13-W-240620	06/20/2024	16.83	ND	7.15	9.68	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	540	**2,800**	**1,000**	**550 J**	< 130
	MW-13-W-240905	09/05/2024	16.83	ND	8.00	8.83	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	330	**3,000**	--	**750**	--
	MW-13-W-241106	11/06/2024	16.83	ND	7.75	9.08	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	410	**3,600**	--	**830**	--
MW-14	MW-14-W-240314	03/14/2024	17.61	ND	5.78	11.83	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	220	--	320 J	--
	MW-14-W-240621	06/21/2024	17.61	ND	5.78	11.83	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**610**	140 J	**540 J**	130 J
	MW-14-W-240905	09/05/2024	17.61	ND	8.33	9.28	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,100**	--	**660**	--
	MW-14-W-241106	11/06/2024	17.61	ND	7.55	10.06	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**4,900**	--	**1,100**	--
MW-18	MW-18-W-240315	03/15/2024	18.20	ND	7.66	10.54	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	160	**3,000**	--	**1,300**	--
	MW-18-W-240620	06/20/2024	18.20	ND	9.05	9.15	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	620	**4,300**	**1,600**	**880**	130 J
	MW-18-W-240905	09/05/2024	18.20	ND	9.71	8.49	< 0.24	< 0.39	< 0.50	0.61 J	< 0.44	670	**3,600**	--	**830**	--
	MW-18-W-241106	11/06/2024	18.2	ND	9.36	8.84	< 0.24	< 0.39	< 0.50	0.53 J	< 0.44	570	**3,300**	--	**950**	--
MW-19	MW-19-W-240315	03/15/2024	15.46	ND	4.33	11.13	< 0.24	< 0.39	< 0.50	0.53 J	< 0.44	230	**4,800**	--	**2,900**	--
	MW-19-W-240621	06/21/2024	15.46	ND	6.23	9.23	0.30 J	< 0.39	< 0.50	1.3 J	< 0.44	**1,300**	**7,100**	**2,400**	**1,900**	200 J
	MW-19-W-240905	09/05/2024	15.46	ND	6.55	8.91	0.45 J	0.40 J	0.51 J	1.6 J	< 0.44	**1,600**	**8,700**	--	**2,500**	--
	MW-19-W-241106	11/06/2024	15.46	ND	6.31	9.15	0.38 J	< 0.39	< 0.50	0.97 J	< 0.44	**910**	**11,000**	--	**3,100**	--
MW-20	MW-20-W-240315	03/15/2024	15.01	ND	3.42	11.59	< 0.24	< 0.39	1.6	0.64 J	< 0.44	**950**	**8,400**	--	**3,000**	--
	N/A	06/17/2024	15.01	trace	4.95	10.06	Not sampled due to presence of SPH									
	N/A	09/03/2024	15.09	trace	6.94	8.15	Not sampled due to presence of SPH									
	N/A	11/04/2024	15.09	trace	5.54	9.55	Not sampled due to presence of SPH									
MW-21	MW-21-W-0240314	03/14/2024	14.60	ND	2.82	11.78	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**510**	--	**1,300**	--
	MW-21-W-240618	06/18/2024	14.60	ND	4.41	10.19	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,800**	420	**1,100**	< 130
	MW-21-W-240904	09/03/2024	14.60	ND	5.48	9.12	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,300**	--	**1,300**	--
	MW-21-W-241107	11/07/2024	14.6	ND	4.80	9.80	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	140 J	**1,900**	--	**1,600**	--
MW-22	MW-22-W-240314	03/14/2024	14.67	ND	4.97	9.70	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	16 J	**2,100**	--	**3,400**	--
	DUP-1-WD-240314						< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	22 J	**1,900**	--	**3,200**	--
	MW-22-W-240621	06/21/2024	14.67	ND	5.96	8.71	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	270	**2,800**	**1,100**	**1,900**	220 J
	DUP-2-WD-240621						< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	280	**2,800**	**780**	**2,000**	170 J
	MW-22-W-240905	09/05/2024	14.67	ND	6.57	8.10	< 0.24	< 0.39	< 0.50	0.63 J	< 0.44	310	**3,200**	--	**2,900**	--
	DUP-01-WD-240905						< 0.24	< 0.39	< 0.50	0.59 J	< 0.44	230	**2,900**	--	**2,600**	--
	MW-22-W-241107	11/07/2024	14.67	ND	6.24	8.43	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	280	**3,200**	--	**3,400**	--
	DUP-1-WD-241107						< 0.24	< 0.39	< 0.50	0.54 J	< 0.44	290	**3,500**	--	**3,800**	--
MW-23	MW-23-W-240312	03/12/2024	13.50	ND	5.49	8.01	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	140 J	--	360 U	--
	MW-23-W-240618	06/18/2024	13.50	ND	6.87	6.63	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,900**	< 95	**1,500**	< 140
	MW-23-W-240904	09/04/2024	13.50	ND	7.20	6.30	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 91	--	350 U	--
	MW-23-W-241105	11/05/2024	13.5	ND	6.97	6.53	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 83	--	< 120	--
MW-24	MW-24-W-240312	03/12/2024	13.15	ND	5.16	7.99	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**2,400**	--	**1,200**	--
	MW-24-W-240618	06/18/2024	13.15	ND	6.58	6.57	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,500**	290	**1,000**	< 140
	MW-24-W-240904	09/04/2024	13.15	ND	6.88	6.27	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,300**	--	**840**	--
	MW-24-W-241104	11/04/2024	13.15	ND	6.57	6.58	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**--**	--	**--**	--
MW-25	MW-25-W-240314	03/14/2024	14.08	ND	3.48	10.60	0.79 J	< 0.39	0.81 J	< 0.53	< 0.44	360	380	--	360 U	--
	MW-25-W-240620	06/20/2024	14.08	ND	4.95	9.13	1.8	0.60 J	2.5	0.60 J	< 0.44	**1,500**	**780**	250	440 J	< 130
	MW-25-W-240904	09/04/2024	14.08	ND	5.65	8.43	2.5	0.70 J	2.8	0.69 J	< 0.44	**1,400**	**750**	--	410 J	--
	MW-25-W-241105	11/05/2024	14.08	ND	5.27	8.81	2.2	0.74 J	2.9	0.87 J	< 0.44	**2,000**	**810**	--	380	--
MW-26	MW-26-W-240312	03/12/2024	12.70	ND	3.08	9.62	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**1,200**	--	**1,300**	--
	MW-26-W-240619	06/19/2024	12.70	ND	4.56	8.14	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 95	**830***	370 U	< 140
	MW-26-W-240904	09/04/2024	12.70	ND	5.34	7.36	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,400 J**	--	**1,600 J**	--
	MW-26-W-241107	11/07/2024	12.7	ND	5.27	7.43	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,700**	--	**1,400**	--
MW-27	MW-27-W-241105	11/05/2024	13.87	ND	3.61	10.26	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**770**	--	**950**	--
MW-28	MW-28-W-241107	11/07/2024	13.27	ND	4.96	8.31	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**960**	--	**1,500**	--
MW-29	MW-29-W-240313	03/13/2024	14.78	ND	5.56	9.22	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	21 J	**8,200**	--	**2,800**	--
	MW-29-W-240620	06/20/2024	14.78	ND	6.64	8.14	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	680	**9,000**	**3,900**	**1,800**	190 J
	MW-29-W-240905	09/05/2024	14.78	ND	7.03	7.75	0.32 J	< 0.39	< 0.50	< 0.53	< 0.44	450	**13,000**	--	**2,800**	--
	MW-29-W-241105	11/05/2024	14.78	ND	6.50	8.28	0.34 J	< 0.39	< 0.50	< 0.53	< 0.44	670	**10,000**	--	**2,200**	
MW-30	MW-30-W-240312	03/12/2024	13.07	ND	4.28	8.79	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**4,700**	--	**5,900**	--
	MW-30-W-240618	06/18/2024	13.07	ND	6.55	6.52	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**9,100**	**2,700**	**2,800**	290 J
	MW-30-W-240904	09/04/2024	13.07	ND	6.02	7.05	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**7,900**	--	**5,100**	--
	MW-30-W-241106	11/06/2024	13.07	ND	5.70	7.37	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**6,300**	--	**3,600**	

Table 5 - Cumulative 2024 Gauging and Groundwater Analytical Data
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft BTOC)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
							Benzene	Toluene	Ethylbenzene	Xylene (total)	MTBE	TPH-g	TPH-d (w/out Silica gel)	TPH-d (w Silica gel)	TPH-o (w/out Silica gel)	TPH-o (w Silica gel)
						MTCA Method A Cleanup Levels[a] (µg/L)	5	1000	700	1000	20	800[b]	500		500	
MW-31	MW-31-W-240312	03/12/2024	13.09	ND	5.64	7.45	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	260	--	360 U	--
	MW-31-W-240619	06/19/2024	13.09	ND	6.71	6.38	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	360 J	< 90	420 J	< 130
	MW-31-W-240906	09/06/2024	13.09	ND	7.03	6.06	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	250 J	--	340 J	--
	MW-31-W-241107	11/07/2024	13.09	ND	6.61	6.48	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	--	--	--	--
MW-32	MW-32-W-240314	03/14/2024	13.82	ND	1.96	11.86	0.46 J	< 0.39	< 0.50	< 0.53	< 0.44	240	**1,800**	**--**	**770**	**--**
	MW-32-W-240621	06/21/2024	13.82	ND	3.52	10.30	0.58 J	< 0.39	< 0.50	< 0.53	< 0.44	780	**1,800**	**730**	**580 J**	< 140
	MW-32-W-240906	09/06/2024	13.82	ND	4.52	9.30	1.2	0.43 J	< 0.50	< 0.53	< 0.44	780	**2,300**	**--**	470	--
	MW-32-W-241106	11/06/2024	13.82	ND	3.76	10.06	0.82 J	< 0.39	< 0.50	< 0.53	< 0.44	550	**4,600**	**--**	**620**	--
MW-33	MW-33-W-241105	11/05/2024	14.7	ND	6.49	8.21	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 94	**--**	< 130	--
MW-34	MW-34-W-240314	03/14/2024	NS	ND	7.11	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	< 67	--	370 U	--
	MW-34-W-240620	06/20/2024	NS	ND	8.48	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 93	< 93	< 130	< 130
	MW-34-W-240904	09/04/2024	NS	ND	8.74	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 95	--	< 140	--
	MW-34-W-241107	11/07/2024	15.62	ND	8.64	6.98	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 100	--	< 150	--
MW-36	MW-36-W-240313	03/13/2024	13.52	ND	5.40	8.12	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	110	--	210 J	--
	MW-36-W-240619	06/19/2024	13.52	ND	7.46	6.06	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	200 U	< 90	350 U	< 130
	MW-36-W-240904	09/04/2024	13.52	ND	7.63	5.89	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	220 U	--	190 J	--
	MW-36-W-241105	11/05/2024	13.52	ND	8.24	5.28	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	120 J	--	170 J	--
MW-37	MW-37-W-240313	03/13/2024	14.54	ND	6.59	7.95	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	230	--	**570**	**--**
	MW-37-W-240619	06/19/2024	14.54	ND	7.90	6.64	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**590**	< 95	**520 J**	< 140
	MW-37-W-240904	09/04/2024	14.54	ND	8.16	6.38	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	490	--	**600**	--
	MW-37-W-241105	11/05/2024	14.54	ND	7.82	6.72	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	440	--	**520**	--
MW-38	MW-38-W-240314	03/14/2024	NS	ND	7.25	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	*1,100 U*	**--**	*3,500 U*	**--**
	MW-38-W-240619	06/19/2024	NS	ND	8.29	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,200**	< 92	**1,500**	< 130
	MW-38-W-240904	09/04/2024	NS	ND	8.66	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	150 J	--	300 J	--
	MW-38-W-241105	11/05/2024	15.35	ND	8.16	7.19	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 90	--	180 J	--
MW-39	MW-39-W-240313	03/13/2024	15.00	ND	5.29	9.71	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**1,000**	**--**	**700**	**--**
	MW-39-W-240620	06/20/2024	15.00	ND	6.23	8.77	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	160	**8,300**	**1,700**	**2,500**	160 J
	MW-39-W-240905	09/05/2024	15.00	ND	6.80	8.20	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	150	**8,700**	**--**	**2,300**	--
	MW-39-W-241105	11/05/2024	15.00	ND	6.35	8.65	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	170	**11,000**	**--**	**2,900**	--
MW-40	MW-40-W-241105	11/05/2024	13.58	ND	7.17	6.41	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**780**	**--**	290 J	--
RMW-01	RMW-01-W-240313	03/13/2024	14.97	ND	4.25	10.72	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	34 J	**2,100**	**--**	**1,800**	**--**
	RMW-01-W-240620	06/20/2024	14.97	ND	5.62	9.35	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	240	**8,200**	**3,000**	**1,200**	150 J
	RMW-01-W-240905	09/05/2024	14.97	ND	6.28	8.69	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	290	**4,900**	**--**	**1,300**	--
	RMW-1-W-241105	11/05/2024	14.97	ND	5.87	9.10	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	330	**4,000**	**--**	**1,200**	--

Table 5 - Cumulative 2024 Gauging and Groundwater Analytical Data
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft BTOC)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
							Benzene	Toluene	Ethylbenzene	Xylene (total)	MTBE	TPH-g	TPH-d (w/out Silica gel)	TPH-d (w Silica gel)	TPH-o (w/out Silica gel)	TPH-o (w Silica gel)
MTCA Method A Cleanup Levels[a] (µg/L)							5	1000	700	1000	20	800[b]	500		500	
Sand Aquifer Wells																
D-01	D-01-W-240315	03/15/2024	17.26	ND	10.29	6.97	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	72 J	**5,500**	--	**1,900**	--
	DUP-2-WD-240315						< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	78 J	**5,800**	--	**2,000**	--
	D-01-W-240620	06/20/2024	17.26	ND	11.39	5.87	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	93 J	**6,300**	**1,900**	**1,500**	< 130
	DUP-1-WD-240620						< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	93 J	**6,600**	**1,800**	**1,500**	< 130
	D-01-W-240905	09/05/2024	17.26	ND	11.78	5.48	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**6,300**	--	**1,800**	--
	DUP-02-WD-240905						< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	75 J	**6,400**	--	**1,700**	--
	D-01-241106	11/06/2024	17.26	ND	10.56	6.70	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**6,900**	--	**1,800**	--
	DUP-2-WD-241106						< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**6,800**	--	**1,800**	--
D-02A	D-02A-W-240312	03/12/2024	15.16	ND	7.48	7.68	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**2,600**	--	**1,800**	--
	D-02A-W-240618	06/18/2024	15.16	ND	8.90	6.26	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,700**	430	**1,300**	< 140
	D-02A-W-240904	09/04/2024	15.16	ND	8.74	6.42	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,700**	--	**1,200**	--
	D-2A-W-241106	11/06/2024	15.16	ND	8.10	7.06	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,800**	--	**1,600**	--
D-03A	D-03A-W-240314	03/14/2024	14.12	ND	6.86	7.26	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**2,700**	--	**2,300**	--
	D-03A-W-240621	06/21/2024	14.12	ND	8.13	5.99	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,200**	**500**	**1,300**	< 140
	D-03A-W-240906	09/06/2024	14.12	ND	8.32	5.80	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,400**	--	**1,400**	--
	D-03A-W-241107	11/07/2024	14.12	ND	7.41	6.71	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**3,000**	--	**1,700**	--
D-06	D-06-W-240315	03/15/2024	18.23	ND	11.07	7.16	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	130	**5,300**	--	**1,700**	--
	D-6-W-240620	06/20/2024	18.23	ND	12.36	5.87	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	220	**4,800**	**1,800**	**1,000**	< 140
	D-06-W-240905	09/05/2024	18.23	ND	12.51	5.72	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	180	**5,000**	--	**1,400**	--
	D-06-W-241106	11/06/2024	18.23	ND	11.77	6.46	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	250	**5,200**	--	**1,200**	--
D-07	D-7-W-240314	03/14/2024	14.82	ND	6.90	7.92	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**530**	--	**650**	--
	D-07-W-240621	06/21/2024	14.82	ND	8.32	6.50	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**560**	< 95	**530 J**	< 140
	D-07-W-240905	09/05/2024	14.82	ND	8.41	6.41	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**610**	--	**560**	--
	D-07-W-241107	11/07/2024	14.82	ND	7.76	7.06	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**680**	--	**560**	--
D-08	D-08-W-240312	03/12/2024	13.73	ND	7.16	6.57	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**4,000**	--	**1,800**	--
	D-08-W-240618	06/18/2024	13.73	ND	8.13	5.60	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,300**	**690**	**1,400**	< 130
	D-08-W-240904	09/04/2024	13.73	ND	8.48	5.25	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,800**	--	**1,100**	--
	D-8-W-241105	11/05/2024	13.73	ND	7.06	6.67	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,200**	--	**1,200**	--
D-09	D-09-W-240312	03/12/2024	12.90	ND	5.36	7.54	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**2,700**	--	**2,300**	--
	D-09-W-240618	06/18/2024	12.90	ND	6.83	6.07	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**3,200**	**660**	**2,200**	< 140
	D-09-W-240904	09/04/2024	12.90	ND	6.64	6.26	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**3,900**	--	**2,400**	--
	D-09-W-241106	11/06/2024	12.9	ND	6.29	6.61	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**4,300**	--	**3,000**	--
D-10	D-10-W-240314	03/14/2024	14.03	ND	7.16	6.87	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**1,800**	--	**860**	--
	D-10-W-240620	06/20/2024	14.03	ND	8.31	5.72	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,100**	**530**	**730**	< 130
	D-10-W-240904	09/04/2024	14.03	ND	8.60	5.43	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,100 J**	--	**820 J**	--
	D-10-W-241105	11/05/2024	14.03	ND	7.38	6.65	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,400**	--	**960**	--
D-11	D-11-W-241105	11/05/2024	14.04	ND	7.35	6.69	0.71 J	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**880**	--	390 J	--
D-12	D-12-W-240314	03/14/2024	14.85	ND	7.60	7.25	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**720**	--	**1,300**	--
	D-12-W-240620	06/20/2024	14.85	ND	9.04	5.81	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**750**	< 96	**840**	< 140
	D-12-W-240905	09/05/2024	14.85	ND	9.07	5.78	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**790**	--	**940**	--
	D-12-W-241105	11/05/2024	14.85	ND	8.25	6.60	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**910**	--	**980**	--
D-13	N/A	03/11/2024	13.84	5.21	5.48	8.59	Not sampled due to presence of SPH									
	N/A	06/17/2024	13.84	6.95	6.97	6.89	Not sampled due to presence of SPH									
	N/A	09/03/2024	13.84	7.48	7.50	6.36	Not sampled due to presence of SPH									
	N/A	11/04/2024	13.84	7.40	8.15	6.34	Not sampled due to presence of SPH									
D-14	D-14-W-240315	03/15/2024	14.82	ND	7.24	7.58	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	170 J	--	350 U	--
	D-14-W-240621	06/21/2024	14.82	ND	8.51	6.31	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	210 U	< 96	370 U	< 140
	D-14-W-240906	09/06/2024	14.82	ND	8.48	6.34	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	200 U	--	< 130	--
	D-14-W-241106	11/06/2024	14.82	ND	7.32	7.50	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	360	--	150 J	--
D-15	D-15-W-240313	03/13/2024	14.80	ND	7.84	6.96	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**3,600**	--	**2,000**	--
	D-15-W-240620	06/20/2024	14.80	ND	9.06	5.74	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,100**	340	**1,200**	< 130
	D-15-W-240905	09/05/2024	14.80	ND	9.22	5.58	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,600**	--	**1,300**	--
	D-15-W-241105	11/05/2024	14.8	ND	8.16	6.64	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,700**	--	**1,200**	--
D-16	D-16-W-241107	11/07/2024	13.32	ND	6.51	6.81	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**760**	--	**1,200**	--
D-17	D-17-W-240312	03/12/2024	12.75	ND	5.07	7.68	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	410	--	490	--
	D-17-W-240618	06/19/2024	12.75	ND	6.49	6.26	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	220 J	< 96	370 U	< 140
	D-17-W-240904	09/04/2024	12.75	ND	4.32	8.43	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	440	--	380	--
	D-17-W-241104	11/04/2024	12.75	ND	6.14	6.61	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**740**	--	400	--
D-18	D-18-W-240312	03/12/2024	13.29	ND	5.86	7.43	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**2,000**	--	**1,600**	--
	D-18-W-240618	06/18/2024	13.29	ND	7.12	6.17	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	< 97	440	370 U	< 140
	D-18-W-240904	09/04/2024	13.29	ND	6.99	6.30	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,200 J**	--	**840 J**	--
	D-18-W-241106	11/06/2024	13.29	ND	6.68	6.61	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**770**	--	**730**	--
D-19	D-19-W-240312	03/12/2024	13.22	ND	5.77	7.45	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**1,000**	--	**870**	--
	D-19-W-240618	06/18/2024	13.22	ND	7.27	5.95	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	300 J	120 J	470 J	< 130
	D-19-W-240904	09/04/2024	13.22	ND	7.03	6.19	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**890**	--	**530**	--
	D-19-W-241107	11/07/2024	13.22	ND	6.61	6.61	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,200**	--	**640**	--

Table 5 - Cumulative 2024 Gauging and Groundwater Analytical Data
Former Chevron Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft BTOC)	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
							Benzene	Toluene	Ethylbenzene	Xylene (total)	MTBE	TPH-g	TPH-d (w/out Silica gel)	TPH-d (w Silica gel)	TPH-o (w/out Silica gel)	TPH-o (w Silica gel)
MTCA Method A Cleanup Levels[a] (µg/L)							**5**	**1000**	**700**	**1000**	**20**	**800[b]**	**500**		**500**	
D-22	D-22-W-240314	03/14/2024	15.39	ND	9.61	5.78	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	400	--	360 U	--
	D-22-W-240620	06/20/2024	15.39	ND	9.9	5.49	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**790**	180 J	370 U	< 140
	D-22-W-240904	09/04/2024	15.39	ND	11.09	4.30	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	480	--	360 U	--
	D-22-W-241107	11/07/2024	15.39	ND	8.42	6.97	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**650**	--	230 J	--
D-23	D-23-W-241105	11/05/2024	14.67	ND	7.82	6.85	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	480	--	390	--
D-24	D-24-W-240313	03/13/2024	13.53	ND	6.16	7.37	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	300	--	380	--
	D-24-W-240619	06/19/2024	13.53	ND	7.71	5.82	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	82 J	430	< 94	410 J	< 130
	D-24-W-240904	09/04/2024	13.53	ND	7.36	6.17	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**530**	--	400	--
	D-24-W-241105	11/05/2024	13.53	ND	7.00	6.53	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**610**	--	470	--
D-25	D-25-W-240313	03/13/2024	14.65	ND	7.15	7.50	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**2,000**	**--**	**1,700**	**--**
	D-25-W-240619	06/19/2024	14.65	ND	8.66	5.99	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,300**	330	**1,600**	< 140
	D-25-W-240904	09/04/2024	14.65	ND	8.44	6.21	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,600**	--	**1,000**	--
	D-25-W-241105	11/05/2024	14.65	ND	8.14	6.51	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**1,500**	--	**1,200**	--
D-26	D-26-W-240313	03/13/2024	NS	ND	7.61	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	490	--	**700**	**--**
	D-26-W-240619	06/19/2024	NS	ND	9.05	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	420	< 91	350 U	< 130
	D-26-W-240904	09/04/2024	NS	ND	8.92	NS	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	490	--	440	--
	D-26-W-241105	11/05/2024	15.22	ND	8.67	6.55	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	500	--	420	--
D-27	D-27-W-240313	03/13/2024	14.99	ND	7.62	7.37	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 14	**2,600**	**--**	**1,900**	**--**
	D-27-W-240620	06/20/2024	14.99	ND	9.03	5.96	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,000**	410	**1,000**	140 J
	D-27-W-240905	09/05/2024	14.99	ND	8.99	6.00	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,200**	--	**1,300**	--
	D-27-W-241105	11/05/2024	14.99	ND	8.38	6.61	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,300**	--	**1,300**	--
D-28	D-28-W-241105	11/05/2024	13.95	ND	7.32	6.63	< 0.24	< 0.39	< 0.50	< 0.53	< 0.44	< 73	**2,900**	--	**990**	--

Notes:
TPH-g (or TPH-GRO) = Total Petroleum Hydrocarbons, Gasoline-Range; reported as (C7-C12) via the NWTPH-Gx Volatile Petroleum Products Method in the laboratory analytical report.
TPH-d (or TPH-DRO) = Total Petroleum Hydrocarbons, Diesel Range; reported as (C12-C24) via the NWTPH-Dx Semi-Volatile Petroleum Products Method in the laboratory analytical report.
TPH-o (or TPH-HRO) = Total Petroleum Hydrocarbons, Oil-Range; reported as (C24-C40) via the NWTPH-Dx Semi-Volatile Petroleum Products Method in the laboratory analytical report.

** Top of Casing (TOC) elevations were (re-)surveyed by Bush, Roed & Hitching, Inc. on October 16-17, 2023.

[a] Department of Ecology Model Toxics Control Act (MTCA) Method A Cleanup Levels

[b] Two TPH-g cleanup levels exist in MTCA Method A Cleanup Levels. The more conservative cleanup level of 800 µg/L, for use when benzene is detected, is presented in this table. When benzene is not detected, however, the cleanup level is 1,000 µg/L.

[c] Corrected groundwater elevation for wells containing SPH: TOC - DTW + (T_{SPH} * SG_{SPH})
TOC = top of casing elevation
DTW = depth to water (ft btoc)
T_{SPH} = SPH thickness (DTW - Depth to SPH)
SG_{SPH} = specific gravity of SPH (assumes an average specific gravity of 0.87)

Abbreviations:
µg/L = micrograms per liter
TOC = top of casing
NAVD88 = North American Vertical Datum of 1988
ft btoc = feet below top of casing
SPH = separate-phase hydrocarbon
NWTPH = Northwest Total Petroleum Hydrocarbons
N/A = not applicable (sample not collected)
NS = not surveyed
NA = not analyzed
ND = SPH not detected in well
DUP = duplicate sample
* = Possible lab/sampling error as results appear reversed. Results to be confirmed during subsequent sample events.

1. All TPH concentrations are reported in units of µg/L.
2. Reported values not detected above the laboratory Method Detection Limit (MDL) are preceded by "<".
3. Reported values followed by "J" indicate estimated concentrations above the MDL.
4. Reported values followed by "U" indicate analyte is qualified as not detected, based on the data validation review.
5. Reported values followed by "UJ" indicate the analyte was not detected above the MDL, but the MDL is estimated.
6. **Results that are greater than the MTCA Method A Cleanup Levels are indicated by bolded and shaded values.**
7. *Results in Italics indicate non-detect value is greater than CUL*

Table 6
Cumulative 2023 Gauging and Groundwater Analytical Data Former Chevron
Bulk Terminal, Facility No. 1001348
Tacoma, Washington

AECOM

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft btoc)	SPH Thickness (ft)	Depth to Water (ft btoc)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
								Benzene	Toluene	Ethylbenzene	Xylenes (Total)	MTBE	TPH-g	TPH-d	TPH-d (w/ SGT)	TPH-o	TPH-o (w/ SGT)
MTCA Method A Cleanup Levels[a] (µg/L)								5	1000	700	1000	20	800[b]	500		500	
Perched Groundwater-bearing Unit Wells																	
MW-10	MW-10-W-230313	03/13/2023	13.46	ND	0.00	4.19	9.27	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**1,500**	NA	410	NA
	MW-10-W-230522	05/22/2023		ND	0.00	4.64	8.82	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	**1,500**	NA	**540**	NA
	N/A	N/A		ND	0.00	6.15	7.31	Insufficient water to sample									
	MW-10-W-231113	11/13/2023	13.31	ND	0.00	4.47	8.84	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	280	< 46 UJ	240	< 100 UJ
MW-11	MW-11-W-230313	03/13/2023	15.10	ND	0.00	5.13	9.97	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	43 UJ	**1,800 J**	NA	360	NA
	MW-11-W-230522	05/22/2023		ND	0.00	5.47	9.63	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	NA	NA	NA	NA
	N/A	N/A		ND	0.00	6.83	8.27	Insufficient water to sample									
	MW-11-W-231114	11/14/2023	14.99	ND	0.00	5.48	9.51	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	430	< 46 UJ	280	< 100 UJ
MW-12	MW-12-W-230314	03/14/2023	NS	ND	0.00	4.52	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	61 J	**3,200**	NA	**2,000 J**	NA
	DUP-2-WD-230314							< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	53 J	**3,900**	NA	**1,400 J**	NA
	MW-12-W-230523	05/23/2023		ND	0.00	5.09	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	110 J	**5,300**	NA	**1,400**	NA
	MW-12-W-230808	08/08/2023		ND	0.00	6.16	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	580	**5,500**	< 47	**660**	< 100
	MW-12-W-231114	11/14/2023	15.05	ND	0.00	4.77	10.28	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	82 J	**1,500**	< 46	**630**	< 100
MW-13	MW-13-W-230321	03/21/2023	16.88	ND	0.00	6.20	10.68	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	160 J	**790**	NA	170 J	NA
	MW-13-W-230524	05/24/2023		ND	0.00	6.69	10.19	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	270	**740**	NA	< 110	NA
	MW-13-W-230810	08/10/2023		ND	0.00	7.81	9.07	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	660	**1,400**	72 J	180 J	250 U
	MW-13-W-231117	11/17/2023	16.83	ND	0.00	6.43	10.40	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	*1,300 U*	**3,900**	< 46 UJ	440	< 100 UJ
MW-14	MW-14-W-230315	03/15/2023	17.64	ND	0.00	5.66	11.98	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	110	NA	< 100	NA
	MW-14-W-230526	05/26/2023		ND	0.00	6.84	10.80	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20 UJ	< 43	140	NA	< 100	NA
	MW-14-W-230810	08/10/2023		ND	0.00	8.19	9.45	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**510**	77 J	130 J	250 U
	MW-14-W-231116	11/16/2023	17.61	ND	0.00	5.71	11.90	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	170 J	< 46	< 100	< 100
MW-18	MW-18-W-230317	03/17/2023	18.25	ND	0.00	8.23	10.02	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	360	**2,100**	NA	**530**	NA
	MW-18-W-230524	05/24/2023		ND	0.00	8.66	9.59	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	590	**2,600**	NA	380	NA
	MW-18-W-230810	08/10/2023		ND	0.00	9.60	8.65	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	**920[b]**	**2,700**	120	250	< 100
	MW-18-W-231116	11/16/2023	18.20	ND	0.00	8.34	9.86	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	550	**1,300**	59 J	240 J	< 100
MW-19	MW-19-W-230321	03/21/2023	15.53	ND	0.00	4.85	10.68	0.35 J	0.32 J	< 0.40	< 1.4	< 0.20	**1,100**	**6,500**	NA	**1,600**	NA
	MW-19-W-230526	05/26/2023		ND	0.00	5.27	10.26	0.39 J	0.32 J	< 0.40	1.4 J	< 0.20 UJ	**1,300**	**7,100**	NA	**1,200**	NA
	MW-19-W-230810	08/10/2023		ND	0.00	6.39	9.14	0.48 J	0.42 J	< 0.40	1.5 J	< 0.20	**1,400**	**7,800**	85 J	**1,100**	< 100
	MW-19-W-231117	11/17/2023	15.46	ND	0.00	5.06	10.40	0.68 J	0.43 J	0.40 J	1.4 J	< 0.20	**970**	**8,600**	81 J	**1,500**	< 100
MW-20[c]	N/A	N/A	15.09	3.67	0.02	3.69	11.42	Not sampled due to presence of SPH									
	N/A	N/A		4.40	0.01	4.41	10.69	Not sampled due to presence of SPH									
	N/A	N/A		5.71	0.03	5.74	9.38	Not sampled due to presence of SPH									
	N/A	N/A	15.01	4.07	0.01	4.08	10.94	Not sampled due to presence of SPH									
MW-21	MW-21-W-230313	03/13/2023	14.70	ND	0.00	2.86	11.84	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 1.4 UJ	< 0.20 UJ	< 43	200 J	NA	280	NA
	MW-21-W-230526	05/26/2023		ND	0.00	3.95	10.75	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20 UJ	< 43	390	NA	340	NA
	MW-21-W-230807	08/07/2023		ND	0.00	6.37	8.33	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**500**	< 45	280	< 100
	MW-21-W-231116	11/16/2023	14.60	ND	0.00	3.00	11.60	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	250	< 45	340	< 100
MW-22	MW-22-W-230315	03/15/2023	14.72	ND	0.00	5.30	9.42	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	180 J	**1,700**	NA	**1,400**	NA
	MW-22-W-230526	05/26/2023		ND	0.00	5.58	9.14	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20 UJ	190 J	**1,800**	NA	**900**	NA
	DUP-2-WD-230526							< 0.30	< 0.30	< 0.40	< 0.40	< 0.20 UJ	200 J	**1,900**	NA	**1,000**	NA
	MW-22-W-230811	08/11/2023		ND	0.00	6.45	8.27	< 0.30	< 0.30	< 0.40	0.47 J	< 0.20	310	**1,600**	< 46	**890**	< 100
	DUP-2-WD-230811							< 0.30	< 0.30	< 0.40	0.50 J	< 0.20	310	**1,600**	< 45	**960**	< 100
	MW-22-W-231116	11/16/2023	14.67	ND	0.00	6.67	8.00	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	250 U	**4,100**	< 47	**1,200**	< 100
	DUP-1-WD-231116							< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	*2,500 U*	**3,900**	< 47	**1,300**	< 100

Table 6
Cumulative 2023 Gauging and Groundwater Analytical Data Former Chevron
Bulk Terminal, Facility No. 1001348
Tacoma, Washington

AECOM

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft btoc)	SPH Thickness (ft)	Depth to Water (ft btoc)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
								Benzene	Toluene	Ethylbenzene	Xylenes (Total)	MTBE	TPH-g	TPH-d	TPH-d (w/ SGT)	TPH-o	TPH-o (w/ SGT)
MTCA Method A Cleanup Levels[a] (µg/L)								5	1000	700	1000	20	800[b]	500		500	
MW-23	MW-23-W-230314	03/14/2023	NS	ND	0.00	6.19	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	< 46	NA	< 100	NA
	MW-23-W-230523	05/23/2023		ND	0.00	6.32	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	< 46	NA	< 100	NA
	MW-23-W-230808	08/08/2023		ND	0.00	7.06	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 47	< 47	< 100	< 100
	MW-23-W-231114	11/14/2023	13.50	ND	0.00	6.29	7.21	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 46	NA	< 100	NA
MW-24	MW-24-W-230314	03/14/2023	NS	ND	0.00	5.56	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**1,000**	NA	220 J	NA
	N/A	N/A		ND	0.00	5.68	NS	Insufficient water to sample									
	MW-24-W-230808	08/08/2023		ND	0.00	6.98	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**870**	< 46	230 J	< 100
	MW-24-W-231114	11/14/2023	13.15	ND	0.00	5.92	7.23	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	400	< 46 UJ	170 J	< 100 UJ
MW-25	MW-25-W-230317	03/17/2023	NS	ND	0.00	3.96	NS	1.10	0.33 J	1.20	< 1.4	< 0.20	720	87 J	NA	< 100	NA
	MW-25-W-230525	05/25/2023		ND	0.00	4.32	NS	1.50	0.51 J	1.80	< 1.4	< 0.20	**1,200**	160	NA	< 100	NA
	MW-25-W-230809	08/09/2023		ND	0.00	5.54	NS	2.40	0.88 J	3.30	< 0.40	< 0.20	**1,700**	340	47 J	< 100	< 100
	MW-25-W-231116	11/16/2023	14.08	ND	0.00	4.34	9.74	1.40	0.46 J	1.50	< 0.40	< 0.20	**900**	150 J	< 46	< 100	< 100
MW-26	MW-26-W-230314	03/14/2023	NS	ND	0.00	3.49	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**990**	NA	360	NA
	MW-26-W-230523	05/23/2023		ND	0.00	3.99	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	**1,400**	NA	470	NA
	MW-26-W-230808	08/08/2023		ND	0.00	5.22	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**1,500**	< 46	470	< 100
	MW-26-W-231114	11/14/2023	12.70	ND	0.00	4.07	8.63	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	470	100 U	270	330 U
MW-29	MW-29-W-230316	03/16/2023	NS	ND	0.00	6.15	NS	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 1.4 UJ	< 0.20 UJ	**1,100**	**4,800**	NA	**930**	NA
	MW-29-W-230524	05/24/2023		ND	0.00	6.41	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	720	**4,500**	NA	420	NA
	MW-29-W-230809	08/09/2023		ND	0.00	6.99	NS	0.35 J	< 0.30	< 0.40	< 0.40	< 0.20	640	**7,000**	< 46	**560**	< 100
	MW-29-W-231115	11/15/2023	14.78	ND	0.00	5.98	8.80	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	580	**3,000**	< 46	470	< 100
MW-30	MW-30-W-230314	03/14/2023	NS	ND	0.00	4.79	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	79 J	**9,000**	NA	**2,000**	NA
	MW-30-W-230523	05/23/2023		ND	0.00	4.97	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	68 J	**4,400 J**	NA	**1,200 J**	NA
	MW-30-W-230808	08/08/2023		ND	0.00	5.95	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	85 J	**6,300**	NA	**2,200**	NA
	MW-30-W-231114	11/14/2023	13.07	ND	0.00	5.13	7.94	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	59 J	**5,300**	< 46 UJ	**1,600**	< 100 UJ
MW-31	MW-31-W-230315	03/15/2023	NS	ND	0.00	6.16	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	NA	NA	NA	NA
	N/A	N/A		ND	0.00	6.03	NS	Insufficient water to sample									
	MW-31-W-230808	08/08/2023		ND	0.00	6.88	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	NA	100 U	< 45	< 100	480
	MW-31-W-231114	11/14/2023	13.09	ND	0.00	6.17	6.92	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 220	100 U	< 46 UJ	< 100 UJ	< 100 UJ
MW-32	MW-32-W-230317	03/17/2023	NS	ND	0.00	2.13	NS	1.40	0.33 J	< 0.40	< 1.4	< 0.20	**1,400**	**1,200**	NA	140 J	NA
	MW-32-W-230526	05/26/2023		ND	0.00	3.00	NS	0.69 J	< 0.30	< 0.40	< 0.40	< 0.20 UJ	**1,000 J**	**660**	NA	< 110	NA
	MW-32-W-230811	08/11/2023		ND	0.00	4.39	NS	0.77 J	< 0.30	< 0.40	< 0.40	< 0.20	670	450	70 J	< 100	< 100
	MW-32-W-231116	11/16/2023	13.82	ND	0.00	1.99	11.83	1.10	0.48 J	< 0.40	< 0.40	< 0.20	**1,300**	**4,900**	73 J	220 J	< 100
MW-34	MW-34-W-230317	03/17/2023	NS	ND	0.00	7.84	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	< 47	NA	< 100	NA
	MW-34-W-230525	05/25/2023		ND	0.00	7.92	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	< 47	NA	< 100	NA
	MW-34-W-230809	08/09/2023		ND	0.00	8.54	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 47	< 47	< 100	< 100
	MW-34-W-231116	11/16/2023		ND	0.00	7.98	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 46	< 46	< 100	< 100
MW-36	MW-36-W-230315	03/15/2023	NS	ND	0.00	6.09	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	< 47	NA	< 100	NA
	MW-36-W-230525	05/25/2023		ND	0.00	6.08	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	< 50	NA	< 110	NA
	MW-36-W-230810	08/10/2023		ND	0.00	6.80	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 46	< 46	< 100	< 100
	MW-36-W-231115	11/15/2023	13.52	ND	0.00	5.80	7.72	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 46	NA	< 100	NA
MW-37	MW-37-W-230315	03/15/2023	NS	ND	0.00	7.13	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	< 46	NA	< 100	NA
	MW-37-W-230525	05/25/2023		ND	0.00	7.12	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	84 J	NA	< 110	NA
	MW-37-W-230810	08/10/2023		ND	0.00	7.82	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	140 J	< 46	< 100	< 100
	MW-37-W-231115	11/15/2023	14.54	ND	0.00	6.92	7.62	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	100 U	< 46	< 100	< 100

Table 6
Cumulative 2023 Gauging and Groundwater Analytical Data Former Chevron
Bulk Terminal, Facility No. 1001348
Tacoma, Washington

AECOM

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft btoc)	SPH Thickness (ft)	Depth to Water (ft btoc)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
								Benzene	Toluene	Ethylbenzene	Xylenes (Total)	MTBE	TPH-g	TPH-d	TPH-d (w/ SGT)	TPH-o	TPH-o (w/ SGT)
MTCA Method A Cleanup Levels[a] (µg/L)								5	1000	700	1000	20	800[b]	500		500	
MW-38	MW-38-W-230315	03/15/2023	NS	ND	0.00	7.62	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	46 UJ	NA	100 UJ	NA
	MW-38-W-230525	05/25/2023		ND	0.00	7.83	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	< 47	NA	< 100	NA
	MW-38-W-230810	08/10/2023		ND	0.00	8.77	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 47	< 47	< 100	< 100
	MW-38-W-231115	11/15/2023		ND	0.00	7.45	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 46	NA	< 100	NA
MW-39	MW-39-W-230316	03/16/2023	NS	ND	0.00	5.62	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	59 J	**1,200**	NA	120 J	NA
	MW-39-W-230525	05/25/2023		ND	0.00	5.91	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	82 J	**2,000**	NA	410	NA
	MW-39-W-230809	08/09/2023		ND	0.00	6.70	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	180 J	**5,200**	< 45	**760**	< 100
	MW-39-W-231115	11/15/2023	15.00	ND	0.00	5.75	9.25	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	63 J	**2,300**	< 46	310	< 100
RMW-1	RMW-01-W-230316	03/16/2023	NS	ND	0.00	4.70	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	110 J	**930**	NA	**550**	NA
	RMW-01-W-230524	05/24/2023		ND	0.00	5.08	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	230 J	**1,600**	NA	320	NA
	RMW-01-W-230809	08/09/2023		ND	0.00	6.11	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	370	**2,900**	< 46	400	< 100
	RWM-01-W-231115	11/15/2023	14.97	ND	0.00	4.86	10.11	< 0.30	< 0.30	< 0.40	<0.40	< 0.20	250	**1,300**	54 J	210 J	*1000 U*
Sand Aquifer Wells																	
D-1	D-01-W-230321	03/21/2023	17.33	ND	0.00	9.96	7.37	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	190 J	**4,600**	NA	**720**	NA
	DUP-1-WD-230321							< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	180 J	**4,800**	NA	**730**	NA
	D-01-W-230524	05/24/2023		ND	0.00	10.17	7.16	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	180 J	**4,200**	NA	**650**	NA
	DUP-1-WD-230524							< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	180 J	**4,400**	NA	**620**	NA
	D-01-W-230811	08/11/2023		ND	0.00	11.46	5.87	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	200 J	**3,400**	< 46	380	< 100
	DUP-1-WD-230811							< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	220 J	**3,300**	< 46	440	< 100
	D-01-W-231117	11/17/2023	17.26	ND	0.00	10.22	7.04	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 430	**4,300**	52 UJ	**780**	**920 J**
	DUP-2-WD-231117							< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 430	**4,500**	< 47 UJ	**850**	< 100 UJ
D-2A	D-02A-W-230314	03/14/2023	14.90	ND	0.00	7.59	7.31	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**1,400**	NA	**580**	NA
	D-02A-W-230523	05/23/2023		ND	0.00	7.77	7.13	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	43 J	**1,400**	NA	**520**	NA
	D-02A-W-230808	08/08/2023		ND	0.00	8.76	6.14	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	75 J	**1,200**	< 45	390	< 100
	D-02A-W-231114	11/14/2023	15.16	ND	0.00	7.78	7.38	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**1,200**	< 46	**540**	< 100
D-3A	D-03A-W-230317	03/17/2023	NS	ND	0.00	6.87	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	74 J	**3,000**	NA	**730**	NA
	D-03A-W-230526	05/26/2023		ND	0.00	6.93	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20 UJ	< 43	**1,900**	NA	460	NA
	D-03A-W-230811	08/11/2023		ND	0.00	8.18	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	59 J	**1,500**	< 46	**520**	< 100
	D-03A-W-231116	11/16/2023	14.12	ND	0.00	7.05	7.07	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	250 U	**1,100**	< 46	290	< 100
D-6	D-06-W-230317	03/17/2023	18.26	ND	0.00	10.90	7.36	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	200 J	**3,300**	NA	420	NA
	D-06-W-230524	05/24/2023		ND	0.00	12.87	5.39	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	210 J	**2,100 J**	NA	220 J	NA
	D-06-W-230810	08/10/2023		ND	0.00	12.54	5.72	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	260	**3,500**	< 45	410	< 100
	D-06-W-231116	11/16/2023	18.23	ND	0.00	11.01	7.22	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	250 J	**2,600**	54 J	280	130 J
D-7	D-07-W-230315	03/15/2023	14.47	ND	0.00	7.24	7.23	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	210	NA	130 J	NA
	D-07-W-230526	05/26/2023		ND	0.00	7.55	6.92	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20 UJ	< 43	290	NA	100 J	NA
	D-07-W-230811	08/11/2023		ND	0.00	8.34	6.13	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	170 J	< 45	< 100	< 100
	D-7-W-231116	11/16/2023	14.82	ND	0.00	7.34	7.48	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	420	< 47	110 J	< 100
D-8	D-08-W-230314	03/14/2023	NS	ND	0.00	6.84	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**1,700**	NA	440	NA
	D-08-W-230523	05/23/2023		ND	0.00	7.57	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	**920**	NA	230 J	NA
	D-08-W-230808	08/08/2023		ND	0.00	7.72	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	62 J	**1,200**	< 45	290	< 100
	D-08-W-231114	11/14/2023	13.73	ND	0.00	7.07	6.66	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	50 J	**1,100**	< 47	360	< 100
D-9	D-09-W-230315	03/15/2023	NS	ND	0.00	5.71	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**2,400**	NA	**1,100**	NA
	D-09-W-230523	05/23/2023		ND	0.00	5.70	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	**1,700**	NA	**520**	NA
	D-09-W-230808	08/08/2023		ND	0.00	6.83	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	51 J	**2,300**	130	**710**	**2000**
	D-09-W-231114	11/14/2023	12.90	ND	0.00	5.81	7.09	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**2,400**	< 46	**1,100**	< 100
D-10	D-10-W-230317	03/17/2023	NS	ND	0.00	7.02	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	43 J	**870**	NA	150 J	NA
	D-10-W-230525	05/25/2023		ND	0.00	7.45	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	43 J	**1,200**	NA	190 J	NA
	D-10-W-230809	08/09/2023		ND	0.00	8.00	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	110 J	**2,200**	< 45	230 J	< 100
	D-10-W-231116	11/16/2023	14.03	ND	0.00	7.26	6.77	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	250 U	**1,900**	< 46	190 J	< 100

Table 6
Cumulative 2023 Gauging and Groundwater Analytical Data Former Chevron
Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft btoc)	SPH Thickness (ft)	Depth to Water (ft btoc)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
								Benzene	Toluene	Ethylbenzene	Xylenes (Total)	MTBE	TPH-g	TPH-d	TPH-d (w/ SGT)	TPH-o	TPH-o (w/ SGT)
MTCA Method A Cleanup Levels[a] (µg/L)								5	1000	700	1000	20	800[b]	500		500	
D-12	D-12-W-230316	03/16/2023	NS	ND	0.00	7.80	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	280	NA	270	NA
	D-12-W-230524	05/24/2023		ND	0.00	8.17	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	330	NA	270	NA
	D-12-W-230809	08/09/2023		ND	0.00	8.79	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	280	< 46	190 J	< 100
	D-12-W-231115	11/15/2023	14.85	ND	0.00	7.93	6.92	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	270	< 46	190 J	< 100
D-13[c]	N/A	N/A	NS	5.68	0.46	6.14	NS	Not sampled due to presence of SPH									
	N/A	N/A		5.90	0.01	5.91	NS	Not sampled due to presence of SPH									
	N/A	N/A		7.39	0.04	7.43	NS	Not sampled due to presence of SPH									
	N/A	N/A	13.84	6.00	0.01	6.01	7.84	Not sampled due to presence of SPH									
D-14	D-14-W-230321	03/21/2023	NS	ND	0.00	8.17	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	71 J	NA	< 110	NA
	D-14-W-230526	05/26/2023		ND	0.00	7.75	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20 UJ	45 J	< 48	NA	< 110	NA
	D-14-W-230810	08/10/2023		ND	0.00	8.94	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 46	< 46	< 100	< 100
	D-14-W-231117	11/17/2023	14.82	ND	0.00	8.01	6.81	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	< 46	< 46	< 100	< 100
D-15	D-15-W-230316	03/16/2023	NS	ND	0.00	7.85	NS	< 0.30 UJ	< 0.30 UJ	< 0.40 UJ	< 1.4 UJ	< 0.20 UJ	< 43	**2,000**	NA	500	NA
	D-15-W-230524	05/24/2023		ND	0.00	8.43	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**1,900**	NA	**800**	NA
	D-15-W-230809	08/09/2023		ND	0.00	8.76	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	67 J	**1,400**	< 45	270	< 100
	D-15-W-231115	11/15/2023	14.80	ND	0.00	7.98	6.82	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**1,300**	< 46	260	< 100
D-17	D-17-W-230314	03/14/2023	NS	ND	0.00	5.50	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	150	NA	< 100	NA
	D-17-W-230523	05/23/2023		ND	0.00	5.43	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	81 J	NA	110 UJ	NA
	D-17-W-230808	08/08/2023		ND	0.00	6.57	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	100 U	< 46	< 100	< 100
	D-17-W-231114	11/14/2023	12.75	ND	0.00	5.58	7.17	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	180 J	< 46	< 100	< 100
D-18	D-18-W-230314	03/14/2023	NS	ND	0.00	6.07	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	500	NA	300	NA
	D-18-W-230523	05/23/2023		ND	0.00	6.04	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	**650**	NA	200 J	NA
	D-18-W-230808	08/08/2023		ND	0.00	7.17	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**870**	< 45	300	< 100
	D-18-W-231114	11/14/2023	13.29	ND	0.00	6.18	7.11	< 0.30	< 0.30	< 0.40	< 0.30	< 0.20	< 43	**640**	< 46	320	< 100
D-19	D-19-W-230314	03/14/2023	NS	ND	0.00	6.04	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	420	NA	160 J	NA
	D-19-W-230523	05/23/2023		ND	0.00	6.10	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20 UJ	< 43	**610**	NA	180 J	NA
	D-19-W-230808	08/08/2023		ND	0.00	7.18	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	380	< 46	130 J	< 100
	D-19-W-231114	11/14/2023	13.22	ND	0.00	6.16	7.06	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	410	< 46 UJ	140 J	< 100 UJ
D-22	D-22-W-230317	03/17/2023	NS	ND	0.00	8.92	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	89 J	NA	< 100	NA
	D-22-W-230525	05/25/2023		ND	0.00	10.27	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	230	NA	< 110	NA
	D-22-W-230809	08/09/2023		ND	0.00	9.27	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	72 J	330	< 46	< 100	< 100
	D-22-W-231116	11/16/2023	15.39	ND	0.00	8.97	6.42	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	250 U	500	< 46 UJ	< 100	< 100 UJ
D-24	D-24-W-230315	03/15/2023	NS	ND	0.00	6.42	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	65 J	NA	< 100	NA
	D-24-W-230525	05/25/2023		ND	0.00	6.66	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	260	NA	< 110	NA
	D-24-W-230810	08/10/2023		ND	0.00	7.49	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	100 J	< 47	< 100	< 100
	D-24-W-231115	11/15/2023	13.53	ND	0.00	6.49	7.04	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	250	< 46	< 100	400 U

Table 6
Cumulative 2023 Gauging and Groundwater Analytical Data Former Chevron
Bulk Terminal, Facility No. 1001348
Tacoma, Washington

Well ID	Sample ID	Sample Date	TOC Elevation** (ft, NAVD88)	Depth to SPH (ft btoc)	SPH Thickness (ft)	Depth to Water (ft btoc)	Groundwater Elevation (ft, NAVD88)	Volatile Organic Compounds (VOCs)					Total Petroleum Hydrocarbons (TPH)				
								Benzene	Toluene	Ethylbenzene	Xylenes (Total)	MTBE	TPH-g	TPH-d	TPH-d (w/ SGT)	TPH-o	TPH-o (w/ SGT)
MTCA Method A Cleanup Levels[a] (µg/L)								5	1000	700	1000	20	800[b]	500		500	
D-25	D-25-W-230315	03/15/2023	NS	ND	0.00	7.50	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**960**	NA	360	NA
	D-25-W-230525	05/25/2023		ND	0.00	7.62	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**1,200**	NA	380	NA
	D-25-W-230810	08/10/2023		ND	0.00	8.55	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**900**	< 46	280	< 100
	D-25-W-231115	11/15/2023	14.65	ND	0.00	7.60	7.05	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**1200**	64 U	420	< 100
D-26	D-26-W-230315	03/15/2023	NS	ND	0.00	7.99	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	240	NA	140 J	NA
	D-26-W-230525	05/25/2023		ND	0.00	8.02	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	230	NA	120 J	NA
	D-26-W-230810	08/10/2023		ND	0.00	9.05	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	130 J	< 47 UJ	< 100	< 100
	D-26-W-231115	11/15/2023		ND	0.00	8.12	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	170 J	< 46 UJ	< 100	250 U
D-27	D-27-W-230315	03/15/2023	NS	ND	0.00	7.86	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	< 43	**1,900**	NA	**800**	NA
	D-27-W-230525	05/25/2023		ND	0.00	8.03	NS	< 0.30	< 0.30	< 0.40	< 1.4	< 0.20	47 J	**2,000**	NA	**560**	NA
	D-27-W-230809	08/09/2023		ND	0.00	8.91	NS	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	51 J	**1,700**	< 46	410	< 100
	D-27-W-231115	11/15/2023	14.99	ND	0.00	7.98	7.01	< 0.30	< 0.30	< 0.40	< 0.40	< 0.20	< 43	**1,300**	< 46	360	< 100

Notes:

TPH-g (or TPH-GRO) = Total Petroleum Hydrocarbons, Gasoline-Range; reported as (C7-C12) via the NWTPH-Gx Volatile Petroleum Products Method in the laboratory analytical report.
TPH-d (or TPH-DRO) = Total Petroluem Hydrocarbons, Diesel Range; reported as (C12-C24) via the NWTPH-Dx Semi-Volatile Petroleum Products Method in the laboratory analytical report.
TPH-o (or TPH-HRO) = Total Petroleum Hydrocarbons, Oil-Range; reported as (C24-C40) via the NWTPH-Dx Semi-Volatile Petroleum Products Method in the laboratory analytical report.

** Top of Casing (TOC) elevations were (re-)surveyed by Bush, Roed & Hitching, Inc. on October 16-17, 2023.

[a] Department of Ecology Model Toxics Control Act (MTCA) Method A Cleanup Levels

[b] Two TPH-g cleanup levels exist in MTCA Method A Cleanup Levels. The more conservative cleanup level of 800 µg/L, for use when benzene is detected, is presented in this table. When benzene is not detected, however, the cleanup level is 1,000 µg/L.

[c] Corrected groundwater elevation for wells containing SPH: TOC - DTW + (T_{SPH} * SG_{SPH})
TOC = top of casing elevation
DTW = depth to water (ft btoc)
T_{SPH} = SPH thickness (DTW - Depth to SPH)
SG_{SPH} = specific gravity of SPH (assumes an average specific gravity of 0.87)

1. All TPH concentrations are reported in units of µg/L.
2. Reported values not detected above the laboratory Method Detection Limit (MDL) are preceded by "<".
3. Reported values followed by "J" indicate estimated concentrations above the MDL.
4. Reported values followed by "U" indicate analyte is qualified as not detected, based on the data validation review.
5. Reported values followed by "UJ" indicate the analyte was not detected above the MDL, but the MDL is estimated.
6. **Results that are greater than the MTCA Method A Cleanup Levels are indicated by bolded and shaded values.**
7. *Results in Italics indicate non-detect value is greater than CUL*

Abbreviations:

µg/L = micrograms per liter
TOC = top of casing
NAVD88 = North American Vertical Datum of 1988
ft btoc = feet below top of casing
SPH = separate-phase hydrocarbon
SGT = Silica Gel Treatment
NWTPH = Northwest Total Petroleum Hydrocarbons
N/A = not applicable (sample not collected)
NS = not surveyed
NA = not analyzed
ND = SPH not detected in well
DUP = duplicate sample

Appendix A

Groundwater Sampling Field Data

Groundwater Sampling Field Sheets

GROUNDWATER SAMPLING LOG KEY

List of Abbreviations	
uS/cm	microSiemens per centimeter
deg C	degrees Celsius
DNAPL	dense non-aqueous phase liquid
ft	feet
LNAPL	light non-aqueous phase liquid
mg/L	milligrams per liter
MW	monitoring well
mV	millivolt
N/A	not applicable
NE	not entered – no detectable LNAPL or DNAPL
NM	not measured
NTU	Nephelometric Turbidity unit
l	liter
l/min	liters per minute
su	standard unit
WL/int meter	water level/ interface meter

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-01-W-250116	Date:	1/16/2025 1:01:00 PM
Well ID:	D-01	Location Type:	Monitoring Well
Duplicate ID:	DUP-02-WD-250116	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # Solinst307998		
Comments:	DUP-02-WD-250116 collected		

Water Level			
Date:	1/16/2025 12:30:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	10.22 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/16/2025 12:32:00 PM	End Date and Time:	1/16/2025 12:59:00 PM
Initial Pump Depth:	17.5 ft btoc	Final Pump Depth:	17.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:35 PM	110		0	11.80	6.90	738	0.70	-57.3	60.40	10.24		
12:38 PM	110		0	11.80	6.91	766	0.47	-77.4	40.20	10.24		
12:41 PM	110		0	11.88	6.90	773	0.37	-89.2	37.50	10.25		
12:44 PM	110		0	12.00	6.88	772	0.36	-96.8	30.70	10.25		
12:47 PM	110		0	12.00	6.89	773	0.80	-104.8	28.40	10.25		
12:50 PM	110		0	12.00	6.88	777	0.74	-106.8	33.80	10.26		
12:53 PM	110		0	12.00	6.91	778	0.30	-108.8	30.10	10.26		
12:56 PM	110		0	11.90	6.85	777	0.21	-107.3	33.80	10.26		
12:59 PM	110		0	12.10	6.96	776	0.21	-111.7	33.80	10.27		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-02A-W-250116	Date:	1/16/2025 12:15:00 PM
Well ID:	D-02A	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/16/2025 11:55:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.63 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/16/2025 12:01:00 PM	End Date and Time:	1/16/2025 12:13:00 PM
Initial Pump Depth:	17 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:04 PM	100	0	0	12.6	6.85	552	0.80	36.6	36.9	7.64		
12:07 PM	100	0	0	12.7	6.78	552	0.49	36.3	27.4	7.64		
12:10 PM	100	0	0	12.8	6.76	551	0.29	34.2	26.6	7.65		
12:13 PM	100	0	0	13.1	6.74	558	0.25	31.9	25.8	7.65		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-03A-W-250116	Date:	1/16/2025 9:40:00 AM
Well ID:	D-03A	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/16/2025 8:57:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.07 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/16/2025 9:01:00 AM	End Date and Time:	1/16/2025 9:37:00 AM
Initial Pump Depth:	17.5 ft btoc	Final Pump Depth:	17.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:04 AM	120		0	10.9	6.81	737	1.07	-119.9	16.5	7.07		
9:07 AM	120		0	11.8	6.82	783	0.49	-137.8	9.55	7.07		
9:10 AM	120		0	11.9	6.84	792	0.38	-147.5	10.6	7.07		
9:13 AM	120		0	12.0	6.86	800	0.42	-149.9	12.3	7.05		
9:16 AM	120		0	11.9	6.86	815	0.90	-150.4	7.79	7.05		
9:19 AM	180		0	12.5	6.90	838	2.02	-154.7	12.7	7.05		
9:22 AM	180		0	12.2	6.89	857	0.62	-154.8	10.1	7.03		
9:25 AM	240		0	12.8	6.92	885	0.27	-158.3	8.14	7.03		
9:28 AM	240		0	12.8	6.91	896	0.27	-159.0	7.52	7.03		
9:31 AM	240		0	12.9	6.92	908	0.24	-160.2	5.27	7.03		
9:34 AM	240		0	12.9	6.92	918	0.22	-159.8	5.27	7.03		
9:37 AM	240		0	12.8	6.93	924	0.23	-160.4	5.01	7.03		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-06-W-250115	Date:	1/15/2025 1:10:00 PM
Well ID:	D-06	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 12:46:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	10.99 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	significant drawdown despite low purge rate		

Purge Information			
Begin Date and Time:	1/15/2025 12:49:00 PM	End Date and Time:	1/15/2025 1:06:00 PM
Initial Pump Depth:	18 ft btoc	Final Pump Depth:	18 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:51 PM	100		0	11.5	7.06	525.1	0.70	-64.1	32.0	11.45		
12:54 PM	100		0	11.4	7.00	526.6	0.74	-71.2	21.7	11.77		
12:57 PM	100		0	11.7	7.07	524.8	0.54	-80.3	25.9	12.05		
1:00 PM	100		0	11.8	7.02	526.0	0.48	-83.3	26.5	12.30		
1:03 PM	100		0	11.6	7.01	530.5	0.44	-85.3	27.3	12.61		
1:06 PM	100		0	11.7	7.02	530.4	0.44	-86.2	28.9	13.07		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-07-W-250115	Date:	1/15/2025 10:25:00 AM
Well ID:	D-07	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 9:54:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.25 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 9:59:00 AM	End Date and Time:	1/15/2025 10:21:00 AM
Initial Pump Depth:	17 ft btoc	Final Pump Depth:	17 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
10:03 AM	100	0	0	12.1	6.80	759	1.17	-71.7	111	7.25	Fuel odor	
10:06 AM	100	0	0	12.9	6.73	728	0.59	-81.0	74.4	7.25	Fuel odor	
10:09 AM	100	0	0	13.1	6.72	706	0.41	-87.3	49.3	7.25	Fuel odor	
10:12 AM	100	0	0	13.4	6.72	705	0.30	-91.8	19.2	7.25	Fuel odor	
10:15 AM	100	0	0	13.7	6.71	707	0.28	-94.6	16.4	7.25	Fuel odor	
10:18 AM	100	0	0	13.3	6.70	709	0.21	-96.3	15.22	7.25	Fuel odor	
10:21 AM	100	0	0	13.6	6.71	711	0.20	-97.5	14.80	7.25	Fuel odor	

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-08-W-250114	Date:	1/14/2025 1:45:00 PM
Well ID:	D-08	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 1:17:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.86 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 1:25:00 PM	End Date and Time:	1/14/2025 1:41:00 PM
Initial Pump Depth:	18 ft btoc	Final Pump Depth:	18 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
1:32 PM	100	0	0	10.5	6.89	800	0.91	-65.7	74.6	6.86	Fuel odor	
1:35 PM	100	0	0	11.8	6.89	785	0.28	-73.9	68.4	6.86	Fuel odor	
1:38 PM	100	0	0	12.0	6.91	788	0.22	-81.3	69.7	6.86	Fuel odor	
1:41 PM	100	0	0	12.0	6.88	793	0.20	-84.0	70.1	6.86	Fuel odor	

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-09-W-250113	Date:	1/13/2025 3:00:00 PM
Well ID:	D-09	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # 307998		
Comments:	Not Recorded		

Water Level			
Date:	1/13/2025 2:39:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.60 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/13/2025 2:45:00 PM	End Date and Time:	1/13/2025 2:58:00 PM
Initial Pump Depth:	18 ft btoc	Final Pump Depth:	18 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
2:46 PM	125	0	0	12.4	7.32	1111	0.19	-183.4	+++	5.60		
2:49 PM	125	0	0	12.6	6.77	917	0.44	-66.6	72.4	5.60		
2:52 PM	125	0	0	12.7	6.69	914	0.44	-68.2	33.7	5.60		
2:55 PM	125	0	0	12.7	6.65	918	0.34	-69.1	35.2	5.60		
2:58 PM	125	0	0	12.8	6.67	906	0.20	-64.2	34.0	5.60		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-10-W-250114	Date:	1/14/2025 11:18:00 AM
Well ID:	D-10	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 10:46:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.01 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 10:55:00 AM	End Date and Time:	1/14/2025 11:15:00 AM
Initial Pump Depth:	32 ft btoc	Final Pump Depth:	16 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
11:00 AM	100	0	0	10.1	7.80	610	1.85	3.7	32.8	7.04		
11:03 AM	100	0	0	10.9	7.14	607	1.14	7.2	28.1	7.04		
11:06 AM	100	0	0	11.2	7.13	607	1.01	7.9	23.8	7.04		
11:09 AM	100	0	0	11.4	7.12	606	1.18	7.9	25.5	7.05		
11:12 AM	100	0	0	11.6	7.11	606	1.20	7.7	23.9	7.05		
11:15 AM	100	0	0	11.6	7.11	606	1.19	7.8	23.7	7.05		

GROUNDWATER SAMPLING LOG

Client: Chevron Environmental Management Company | Project #: 60701804

Site: Chevron Tacoma | Event: 2025-Q1-GW

Sample Information			
Sample ID:	D-11-W-250114	Date:	1/14/2025 10:02:00 AM
Well ID:	D-11	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 9:08:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.82 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 9:23:00 AM	End Date and Time:	1/14/2025 10:00:00 AM
Initial Pump Depth:	20 ft btoc	Final Pump Depth:	20 ft btoc
Purge Method:	Low flow	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:28 AM	90		0	12.0	7.01	1614	1.13	-130.1	29.9	6.83	None	None
9:33 AM	90		0	12.2	7.05	1262	0.67	-144.3	23.1	6.83	"	"
9:38 AM	90		0	12.3	7.04	1044	0.63	-148.7	9.51	6.83	"	"
9:43 AM	90		0	12.4	7.04	997	0.54	-150.6	5.71	6.83	"	"
9:48 AM	90		0	12.5	7.04	989	0.51	-151.6	7.46	6.83	"	"
9:51 AM	90		0	12.4	7.04	985	0.61	-152.1	7.00	6.82	Mild hc odor	"
9:54 AM	90		0	12.4	7.04	983	0.61	-152.4	6.68	6.82	"	'
9:57 AM	90		0	12.5	7.03	979	0.59	-153.2	6.41	6.83	"	"
10:00 AM	90		0	12.5	7.03	975	0.58	-153.5	6.73	6.83	"	""

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-12-W-250115	Date:	1/15/2025 10:41:00 AM
Well ID:	D-12	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 10:08:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.79 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 10:14:00 AM	End Date and Time:	1/15/2025 10:39:00 AM
Initial Pump Depth:	25.5 ft btoc	Final Pump Depth:	25.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
10:19 AM	90		0	12.5	7.05	764	0.75	-130.0	1.62	7.80	None	None
10:24 AM	90		0	12.8	7.06	802	0.50	-141.5	0.45	7.82	"	"
10:29 AM	90		0	12.1	7.06	800	0.45	-144.9	0.44	7.81	"	"
10:34 AM	90		0	12.1	7.05	795	0.40	-145.9	0.90	7.81	"	"
10:39 AM	90		0	12.5	7.05	798	0.35	-148.3	0.47	7.81		"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-14-W-250115	Date:	1/15/2025 11:30:00 AM
Well ID:	D-14	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 10:55:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	8.03 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 11:06:00 AM	End Date and Time:	1/15/2025 11:28:00 AM
Initial Pump Depth:	30 ft btoc	Final Pump Depth:	30 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
11:10 AM	100	0	0	12.2	7.60	1714	1.51	-60.8	30.1	8.76		
11:13 AM	50	0	0	12.6	7.68	1855	0.78	-92.8	31.2	9.11		
11:16 AM	50	0	0	12.2	7.66	1884	0.42	-105.4	23.6	9.35		
11:19 AM	50	0	0	11.4	7.65	1880	0.35	-111.9	12.3	9.59		
11:22 AM	50	0	0	11.4	7.69	1873	0.32	-115.2	11.0	9.76		
11:25 AM	50	0	0	11.5	7.71	1874	0.31	-117.5	11.1	9.93		
11:28 AM	50	0	0	11.2	7.70	1878	0.30	-119.5	10.8	10.05		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-15-W-250115	Date:	1/15/2025 1:53:00 PM
Well ID:	D-15	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 1:11:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.91 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 1:16:00 PM	End Date and Time:	1/15/2025 1:51:00 PM
Initial Pump Depth:	17.5 ft btoc	Final Pump Depth:	17.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
1:21 PM	90		0	13.6	6.84	718	0.86	-105.1	12.2	7.91	None	None
1:26 PM	90		0	14.0	6.86	714	0.64	-118.2	2.69	7.92	"	"
1:31 PM	90		0	13.8	6.85	712	0.54	-122.3	2.13	7.92	"	"
1:36 PM	90		0	13.9	6.83	708	0.47	-124.2	3.36	7.92	"	"
1:41 PM	90		0	14.0	6.83	706	0.45	-124.8	2.27	7.92	"	"
1:46 PM	90		0	13.9	6.82	705	0.43	-125.9	2.13	7.92	"	"
1:51 PM	90		0	14.1	6.81	703	0.41	-126.4	2.26	7.92	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-16-W-250115	Date:	1/15/2025 10:30:00 AM
Well ID:	D-16	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 10:01:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.97 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 10:07:00 AM	End Date and Time:	1/15/2025 10:24:00 AM
Initial Pump Depth:	20 ft btoc	Final Pump Depth:	15 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
10:09 AM	120		0	10.2	7.11	496.2	0.81	32.3	15.3	5.97		
10:12 AM	120		0	10.3	7.24	504.9	0.60	20.7	10.4	5.97		
10:15 AM	120		0	10.2	7.17	511.7	0.46	13.5	12.7	5.97		
10:18 AM	120		0	10.3	7.20	508.9	0.41	8.5	10.3	5.97		
10:21 AM	120		0	10.3	7.20	509.7	0.42	6.7	10.5	5.97		
10:24 AM	120		0	10.6	7.18	506.8	0.47	2.6	11.1	5.97		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-17-W-250113	Date:	1/13/2025 2:12:00 PM
Well ID:	D-17	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/13/2025 1:06:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.35 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/13/2025 1:12:00 PM	End Date and Time:	1/13/2025 2:10:00 PM
Initial Pump Depth:	15 ft btoc	Final Pump Depth:	15 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
1:17 PM			0	10.8	6.45	560	1.19	-17.3	21.5	5.36	None	None
1:22 PM			0	11.7	6.50	610	0.61	-38.0	15.2	5.35	"	"
1:27 PM			0	11.5	6.52	620	0.48	-44.1	13.3	5.35	"	"
1:32 PM			0	12.0	6.53	620	0.40	-49.5	18.2	5.35	"	"
1:37 PM			0	12.0	6.55	630	0.37	-55.4	12.2	5.35		
1:40 PM			0	12.1	6.54	630	0.35	-55.3	14.6	5.35		
1:43 PM			0	12.0	6.54	630	0.35	-57.0	20.1	5.35		
1:46 PM			0	12.2	6.55	640	0.33	-60.1	13.0	5.35		
1:49 PM			0	12.2	6.55	640	0.20	-62.9	8.34	5.35		
1:52 PM			0	12.2	6.56	650	0.31	-63.0	9.00	5.35		
1:55 PM			0	12.1	6.57	650	0.30	-65.7	6.61	5.35		
1:58 PM			0	12.2	6.56	640	0.30	-65.9	8.52	5.35		
2:01 PM			0	12.3	6.57	650	0.29	-67.4	7.70	5.35		
2:04 PM			0	12.2	6.50	650	0.27	-69.6	6.19	5.34		
2:07 PM			0	12.4	6.58	660	0.27	-70.5	6.04	5.34		
2:10 PM			0	12.30	6.58	0.66	0.26	-72.0	5.68	5.35		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-18-W-250113	Date:	1/13/2025 1:40:00 PM
Well ID:	D-18	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/13/2025 12:57:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.95 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/13/2025 1:10:00 PM	End Date and Time:	1/13/2025 1:38:00 PM
Initial Pump Depth:	16 ft btoc	Final Pump Depth:	16 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
1:14 PM	150	0	0	12.5	6.60	832	2.77	-6.3	81.3	5.95		
1:17 PM	150	0	0	12.3	6.59	832	1.71	3.0	27.7	5.95		
1:20 PM	150	0	0	12.1	6.61	833	6.31	3.6	23.9	5.95		
1:23 PM	150	0	0	12.3	6.60	835	5.11	2.2	21.8	5.95		
1:26 PM	150	0	0	12.3	6.64	836	5.27	-4.1	17.6	5.95		
1:29 PM	150	0	0	12.3	6.63	835	5.25	-5.4	15.4	5.95		
1:32 PM	150	0	0	12.2	6.63	836	5.30	-5.8	13.4	5.95		
1:35 PM	150	0	0	12.0	6.64	835	5.29	-5.9	13.3	5.95		
1:38 PM	150	0	0	12.0	6.65	838	5.11	-6.3	13.9	5.95		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-19-W-250116	Date:	1/16/2025 11:25:00 AM
Well ID:	D-19	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/16/2025 10:45:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.09 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/16/2025 10:55:00 AM	End Date and Time:	1/16/2025 11:23:00 AM
Initial Pump Depth:	19 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
10:59 AM	100	0	0	11.3	6.45	702	1.41	52.1	84.9	6.10		
11:02 AM	100	0	0	11.7	6.39	703	1.24	49.4	78.3	6.10		
11:05 AM	100	0	0	11.8	6.37	709	1.02	41.3	46.0	6.10		
11:08 AM	100	0	0	11.9	6.37	705	0.91	36.0	28.2	6.10		
11:11 AM	100	0	0	11.9	6.38	711	0.71	28.4	26.9	6.10		
11:14 AM	100	0	0	11.9	6.39	714	0.69	19.9	25.3	6.10		
11:17 AM	100	0	0	11.8	6.38	720	0.64	17.9	24.8	6.10		
11:20 AM	100	0	0	11.7	6.37	725	0.59	16.9	22.9	6.10		
11:23 AM	100	0	0	11.6	6.38	726	0.57	16.4	23.5	6.10		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-22-W-250114	Date:	1/14/2025 12:20:00 PM
Well ID:	D-22	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 11:32:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	8.89 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 11:38:00 AM	End Date and Time:	1/14/2025 12:18:00 PM
Initial Pump Depth:	17.5 ft btoc	Final Pump Depth:	17.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
11:43 AM	90		0	10.9	6.93	340.6	1.10	-39.8	86.3	8.85	Mild hc	Slight orange
11:48 AM	90		0	11.8	6.85	390.8	0.46	-54.7	8.57	8.85	"	None
11:53 AM	90		0	11.8	6.85	405.4	0.37	-65.4	7.44	8.86	"	"
11:58 AM	90		0	11.8	6.90	440.9	0.35	-81.7	4.63	8.87	"	"
12:03 PM	90		0	11.9	6.95	460.6	0.32	-97.7	3.47	8.87	"	"
12:06 PM	90		0	11.7	6.97	469.8	0.33	-104.1	3.72	8.88	"	'
12:09 PM	90		0	12.3	7.01	488.0	0.25	-118.8	3.70	8.88	""	"
12:12 PM	90		0	12.3	7.01	489.5	0.28	-122.7	2.68	8.88	"	"
12:15 PM	90		0	12.3	7.01	490.5	0.23	-124.3	2.70	8.89	"	"
12:18 PM	90		0	11.7	6.99	492.3	0.24	-125.8	2.65	8.88	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-23-W-250114	Date:	1/14/2025 10:25:00 AM
Well ID:	D-23	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 9:54:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.53 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 10:04:00 AM	End Date and Time:	1/14/2025 10:22:00 AM
Initial Pump Depth:	15 ft btoc	Final Pump Depth:	15 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
10:07 AM	100	0	0	11.1	7.06	885	3.46	-109.2	4.99	7.57	Fuel odor	
10:10 AM	100	0	0	11.3	7.10	887	0.89	-125.4	3.90	7.58	Fuel odor	
10:13 AM	100	0	0	11.5	7.12	875	0.70	-129.3	2.96	7.59	Fuel odor	
10:16 AM	100	0	0	11.6	7.10	877	0.78	-126.8	2.19	7.60	Fuel odor	
10:19 AM	100	0	0	11.6	7.13	880	0.81	-126.3	2.48	7.61	Fuel odor	
10:22 AM	100	0	0	11.7	7.13	885	0.85	-127.2	2.42	7.61		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-24-W-250114	Date:	1/14/2025 1:50:00 PM
Well ID:	D-24	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 1:22:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.48 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 1:25:00 PM	End Date and Time:	1/14/2025 1:42:00 PM
Initial Pump Depth:	17 ft btoc	Final Pump Depth:	17 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
1:28 PM	140		0	14.3	6.86	16438	2.38	-184.7	7.25	6.49	Sulfuric odor	
1:31 PM	140		0	14.7	6.91	16700	0.60	-286.9	4.44	6.50		
1:34 PM	140		0	14.6	6.90	16613	0.34	-310.7	3.97	6.50		
1:37 PM	140		0	14.5	6.90	16524	0.31	-324.9	3.50	6.50		
1:40 PM	140		0	14.8	6.90	16457	0.27	-328.3	3.91	6.50		
1:42 PM	140		0	15.0	6.90	16429	0.34	-330.0	2.61	6.50		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-25-W-250114	Date:	1/14/2025 11:50:00 AM
Well ID:	D-25	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 11:18:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.52 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 11:23:00 AM	End Date and Time:	1/14/2025 11:49:00 AM
Initial Pump Depth:	17 ft btoc	Final Pump Depth:	17 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
11:25 AM	140		0	14.6	6.45	647	3.53	-42.5	2.85	7.53		
11:28 AM	140		0	14.7	6.56	661	3.12	-55.3	2.08	7.53		
11:31 AM	140		0	14.6	6.57	666	2.86	-61.3	2.62	7.53		
11:34 AM	140		0	14.6	6.56	674	2.66	-65.8	1.70	7.53		
11:37 AM	140		0	14.5	6.55	676	2.35	-68.3	1.73	7.53		
11:40 AM	140		0	14.6	6.53	681	2.02	-71.3	1.34	7.53		
11:43 AM	140		0	14.6	6.56	684	1.79	-72.9	1.60	7.53		
11:46 AM	140		0	14.6	6.54	686	1.69	-73.3	1.98	7.53		
11:49 AM	140		0	14.6	6.57	688	1.60	-74.5	2.26	7.52		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-26-W-250114	Date:	1/14/2025 10:15:00 AM
Well ID:	D-26	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	msmsd collected		

Water Level			
Date:	1/14/2025 9:46:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	8.05 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	MS/MSD Collected		

Purge Information			
Begin Date and Time:	1/14/2025 9:50:00 AM	End Date and Time:	1/14/2025 10:10:00 AM
Initial Pump Depth:	17 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:52 AM	140		0	13.1	6.46	452.8	0.61	41.8	8.13	8.04		
9:55 AM	140		0	13.5	6.37	453.1	0.50	7.7	6.84	8.05		
9:58 AM	140		0	13.7	6.40	456.3	0.24	-9.0	6.94	8.05		
10:01 AM	140		0	13.8	6.39	460.4	0.20	-21.5	5.75	8.04		
10:04 AM	140		0	13.9	6.39	463.0	0.16	-29.3	5.83	8.04		
10:07 AM	140		0	13.5	6.41	466.1	0.15	-33.2	5.28	8.04		
10:10 AM	140		0	13.7	6.39	466.2	0.13	-38.6	4.78	8.04		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-27-W-250115	Date:	1/15/2025 9:43:00 AM
Well ID:	D-27	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 9:01:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.97 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 9:07:00 AM	End Date and Time:	1/15/2025 9:41:00 AM
Initial Pump Depth:	16.5 ft btoc	Final Pump Depth:	16.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:12 AM	90		0	13.3	6.46	707	0.51	168.0	16.9	7.97	None	None
9:17 AM	90		0	13.5	6.57	725	0.40	74.5	10.9	7.98	"	"
9:22 AM	90		0	13.1	6.58	799	0.42	-65.0	8.34	7.96	"	"
9:27 AM	90		0	13.2	6.61	806	0.43	-77.9	8.06	7.97	"	"
9:32 AM	90		0	12.9	6.61	808	0.37	-84.5	4.41	7.96	Mild hc	"
9:35 AM	90		0	13.1	6.62	812	0.34	-87.5	4.63	7.97	"	"
9:38 AM	90		0	13.2	6.62	813	0.34	-89.1	4.44	7.97	"	"
9:41 AM	90		0	13.2	6.61	815	0.34	-90.4	3.59	7.97		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	D-28-W-250117	Date:	1/17/2025 9:30:00 AM
Well ID:	D-28	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/17/2025 8:51:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.98 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/17/2025 8:58:00 AM	End Date and Time:	1/17/2025 9:28:00 AM
Initial Pump Depth:	17 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:04 AM	100	0	0	11.4	6.65	700	0.62	131.5	3.13	6.98		
9:07 AM	100	0	0	11.5	6.70	705	0.41	71.7	0.00	6.98		
9:10 AM	100	0	0	11.4	6.83	704	0.40	35.1	0.00	6.98		
9:13 AM	100	0	0	11.6	6.89	703	0.30	15.1	0.00	6.99		
9:16 AM	100	0	0	11.9	7.00	702	0.20	-3.0	0.00	6.99		
9:19 AM	100	0	0	11.8	7.01	704	0.23	-7.0	0.00	6.99		
9:22 AM	100	0	0	12.0	7.02	704	0.22	-18.4	0.00	6.99		
9:25 AM	100	0	0	12.0	7.02	703	0.18	-19.0	0.00	7.00		
9:28 AM	100	0	0	12.1	7.03	705	0.20	-20.3	0.00	7.00		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-10-W-250113	Date:	1/13/2025 12:27:00 PM
Well ID:	MW-10	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/13/2025 11:31:00 AM	Measured Depth of Well:	7.49 ft btoc
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	3.50 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/13/2025 12:01:00 PM	End Date and Time:	1/13/2025 12:26:00 PM
Initial Pump Depth:	5.5 ft btoc	Final Pump Depth:	5.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:06 PM			0	10.7	6.53	520	4.90	273.1	5.44	3.54	None	None
12:11 PM			0	11.0	6.59	530	4.31	271.2	5.10	3.56	None	None
12:16 PM			0	10.9	6.63	540	3.93	270.2	4.71	3.56	None	None
12:21 PM			0	11.0	6.65	550	3.67	269.5	4.15	3.57	"	None
12:26 PM			0	10.8	6.65	540	3.43	268.8	3.25	3.57		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-11-W-250103	Date:	1/13/2025 12:18:00 PM
Well ID:	MW-11	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # 307998		
Comments:	Not Recorded		

Water Level			
Date:	1/13/2025 11:43:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.98 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/13/2025 11:48:00 AM	End Date and Time:	1/13/2025 12:15:00 PM
Initial Pump Depth:	6.5 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
11:51 AM	100	0	0	11.4	7.24	530	3.98	238.4	52.6	4.96		
11:54 AM	100	0	0	11.9	7.24	530	3.39	234.5	31.6	5.04		
11:57 AM	100	0	0	11.9	7.23	530	2.65	233.2	12.1	5.06		
12:00 PM	100	0	0	11.9	7.17	530	2.30	231.7	9.19	5.06		
12:03 PM	100	0	0	11.9	7.17	530	2.00	228.8	8.89	5.06		
12:06 PM	100	0	0	11.9	7.16	530	2.09	226.6	5.57	5.07		
12:09 PM	100	0	0	11.9	7.18	540	2.11	224.3	3.57	5.07		
12:12 PM	100	0	0	11.9	7.17	540	2.18	222.2	2.96	5.07		
12:15 PM	100	0	0	11.9	7.17	550	2.19	220.9	2.28	5.07		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-12-W-250116	Date:	1/16/2025 12:55:00 PM
Well ID:	MW-12	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/16/2025 12:30:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.40 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/16/2025 12:32:00 PM	End Date and Time:	1/16/2025 12:52:00 PM
Initial Pump Depth:	5.5 ft btoc	Final Pump Depth:	5.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:34 PM	100	0	0	9.80	6.89	813	3.26	-6.2	14.4	4.40		
12:37 PM	100	0	0	10.1	6.80	803	3.55	3.9	6.39	4.40		
12:40 PM	100	0	0	9.90	6.81	786	3.86	9.4	0.00	4.40		
12:43 PM	100	0	0	10.2	6.85	765	3.70	18.6	0.00	4.40		
12:46 PM	100	0	0	10.1	6.84	755	3.71	20.6	0.00	4.40		
12:49 PM	100	0	0	10.2	6.85	744	3.85	22.2	0.00	4.40		
12:52 PM	100	0	0	10.1	6.84	748	3.91	21.5	0.00	4.40		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-13-W-250116	Date:	1/16/2025 12:05:00 PM
Well ID:	MW-13	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/16/2025 11:26:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.78 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/16/2025 11:30:00 AM	End Date and Time:	1/16/2025 12:02:00 PM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
11:32 AM	130		0	10.5	6.68	222.8	2.65	52.7	143	5.80		
11:35 AM	130		0	10.6	6.72	224.5	2.41	58.8	44.8	5.80		
11:38 AM	130		0	10.6	6.74	231.5	2.30	39.3	24.1	5.80		
11:41 AM	130		0	10.6	6.71	235.3	2.10	22.4	20.3	5.81		
11:44 AM	130		0	10.6	6.73	239.4	2.26	13.6	10.0	5.81		
11:47 AM	130		0	10.5	6.69	238.8	2.62	11.8	7.02	5.81		
11:50 AM	130		0	10.4	6.69	246.5	2.46	4.8	7.71	5.81		
11:53 AM	130		0	10.5	6.73	245.7	2.86	6.4	6.05	5.81		
11:56 AM	130		0	10.5	6.67	246.1	2.62	3.2	4.85	5.81		
11:59 AM	130		0	10.3	6.75	246.0	2.67	3.7	4.75	5.81		
12:02 PM	130		0	10.2	6.70	245.9	2.87	2.6	4.12	5.81		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-14-W-250115	Date:	1/15/2025 1:10:00 PM
Well ID:	MW-14	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 12:41:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.87 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 12:48:00 PM	End Date and Time:	1/15/2025 1:07:00 PM
Initial Pump Depth:	Not Recorded	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:52 PM	50	0	0	9.40	7.28	224.1	5.66	18.0	1.28	5.88		
12:55 PM	50	0	0	9.30	7.04	211.1	5.48	34.3	1.53	5.88		
12:58 PM	50	0	0	9.20	6.94	204.3	5.26	44.4	0.50	5.88		
1:01 PM	50	0	0	9.20	6.93	201.6	5.08	49.4	0.91	5.88		
1:04 PM	50	0	0	9.30	6.90	198.7	4.89	50.4	0.43	5.88		
1:07 PM	50	0	0	9.20	6.90	197.8	4.89	52.7	0.25	5.88		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-18-W-250115	Date:	1/15/2025 2:10:00 PM
Well ID:	MW-18	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # Solinst307998		
Comments:	lost purge data after program crashed.		

Water Level			
Date:	1/15/2025 1:15:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	11.00 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	lost actual value following program crash		

Purge Information			
Begin Date and Time:	Not Recorded	End Date and Time:	Not Recorded
Initial Pump Depth:	Not Recorded	Final Pump Depth:	Not Recorded
Purge Method:	Not Recorded	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)

Reviewer Comments
LOST PURGE DATA AFTER PROGRAM CRASH. VALUES WERE STABLE AT TIME OF SAMPLING.

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-19-W-250117	Date:	1/17/2025 9:48:00 AM
Well ID:	MW-19	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/17/2025 9:00:00 AM	Measured Depth of Well:	9.42 ft btoc
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.53 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/17/2025 9:02:00 AM	End Date and Time:	1/20/2025 9:45:00 AM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:04 AM	150		0	10.5	6.56	819	2.62	161.6	91.7	4.56	HC	Particles and oramg
9:09 AM	150		0	11.7	6.78	893	1.22	7.1	43.1	4.56	"	"
9:14 AM	150		0	11.7	6.81	893	0.85	-11.7	26.1	4.57	"	Less particles
9:19 AM	150		0	11.6	6.81	877	0.86	-20.4	15.8	4.57	"	"
9:24 AM	150		0	11.6	6.81	854	0.41	-25.0	8.32	4.58	"	"
9:27 AM	150		0	11.5	6.79	838	0.39	-25.8	6.27	4.58	"	More clear
9:30 AM	150		0	11.6	6.78	830	0.34	-26.9	6.11	4.58	"	"
9:33 AM	150		0	11.7	6.80	826	0.29	-29.0	13.9	4.50	"	"
9:36 AM	150		0	11.7	6.83	827	0.28	-28.6	5.26	4.59	"	"
9:39 AM	150		0	11.8	6.81	822	0.23	-28.6	4.21	4.59	"	"
9:42 AM	150		0	11.8	6.85	823	0.19	-32.2	4.46	4.59	"	"
9:45 AM	150		0	11.7	6.80	817	0.24	-30.1	3.99	4.59	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-21-W-250115	Date:	1/15/2025 11:52:00 AM
Well ID:	MW-21	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 11:00:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	2.97 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 11:05:00 AM	End Date and Time:	1/15/2025 11:48:00 AM
Initial Pump Depth:	6 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
11:07 AM	100		0	9.6	6.77	390.3	1.27	78.3	12.0	3.04		
11:10 AM	100		0	9.8	6.68	388.8	1.10	85.1	21.9	3.07		
11:13 AM	100		0	9.8	6.67	388.4	0.89	89.3	16.1	3.15		
11:16 AM	100		0	9.8	6.66	385.2	0.85	92.3	16.3	3.23		
11:21 AM	100		0	9.8	6.63	379.4	0.97	97.1	14.6	3.29		
11:24 AM	100		0	9.8	6.58	379.7	1.19	98.0	16.8	3.35		
11:27 AM	100		0	9.8	6.60	379.3	2.33	98.9	15.3	3.41		
11:30 AM	100		0	9.9	6.60	378.9	2.63	99.5	15.7	3.45		
11:33 AM	100		0	9.9	6.60	378.4	1.31	100.8	13.1	3.50		
11:36 AM	100		0	10.0	6.58	377.4	0.97	102.2	11.5	3.53		
11:39 AM	100		0	10.0	6.64	376.4	0.94	102.9	12.2	3.55		
11:42 AM	100		0	9.9	6.62	371.3	0.87	104.0	13.5	3.58		
11:45 AM	100		0	10.2	6.64	377.2	0.79	103.4	13.0	3.62		
11:48 AM	100		0	10.2	6.60	380.1	0.78	106.3	13.4	3.66		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-22-W-250115	Date:	1/15/2025 9:38:00 AM
Well ID:	MW-22	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 9:07:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.07 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 9:16:00 AM	End Date and Time:	1/15/2025 9:34:00 AM
Initial Pump Depth:	6 ft btoc	Final Pump Depth:	6 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:19 AM	100	0	0	10.9	6.43	820	0.41	-7.1	30.9	5.11	Fuel odor	
9:22 AM	100	0	0	11.1	6.70	834	0.26	-32.5	9.49	5.12	Fuel odor	
9:25 AM	100	0	0	11.5	6.78	839	0.29	-51.6	2.75	5.12		
9:28 AM	100	0	0	11.2	6.85	844	0.26	-57.6	1.80	5.12		
9:31 AM	100	0	0	11.3	6.89	844	0.30	-59.8	0.55	5.12		
9:34 AM	100	0	0	11.2	6.91	848	0.26	-60.1	0.01	5.12		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-23-W-250114	Date:	1/14/2025 2:26:00 PM
Well ID:	MW-23	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 1:58:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.59 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 2:04:00 PM	End Date and Time:	1/14/2025 2:24:00 PM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	7.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
2:09 PM			0	11.3	7.70	3575	8.10	109.1	0.84	5.62	None	None
2:14 PM			0	11.4	7.73	3632	8.13	105.8	0.62	5.63	"	"
2:19 PM			0	11.4	7.74	3651	8.15	106.0	0.39	5.63	"	"
2:24 PM			0	11.3	7.73	3677	8.27	107.1	0.79	5.64	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-24-W-250113	Date:	1/13/2025 2:50:00 PM
Well ID:	MW-24	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/13/2025 2:24:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.31 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/13/2025 2:30:00 PM	End Date and Time:	1/13/2025 2:50:00 PM
Initial Pump Depth:	6.5 ft btoc	Final Pump Depth:	6.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
2:35 PM	100	0	0	10.4	6.68	860	7.09	31.7	72.5	6.36		
2:38 PM	100	0	0	10.4	6.61	862	7.39	29.0	76.7	6.71		
2:41 PM	100	0	0	9.80	6.64	864	6.88	25.2	71.8	6.89		
2:44 PM	100	0	0	10.0	6.64	866	7.40	20.8	69.3	6.99		
2:47 PM	100	0	0	9.80	6.66	867	7.30	19.6	67.5	7.06		
2:50 PM	100	0	0	9.70	6.66	867	7.35	19.1	65.8	7.12		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-25-W-250114	Date:	1/14/2025 12:40:00 PM
Well ID:	MW-25	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 12:11:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	3.52 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 12:17:00 PM	End Date and Time:	1/14/2025 12:36:00 PM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:21 PM	100	0	0	11.3	7.72	409.8	0.34	-64.7	8.98	3.54	Fuel odor	
12:24 PM	100	0	0	11.4	7.74	409.7	0.28	-75.5	7.00	3.54	Fuel odor	
12:27 PM	100	0	0	11.5	7.79	409.1	0.23	-83.6	7.41	3.55	Fuel odor	
12:30 PM	100	0	0	11.5	7.83	407.8	0.24	-85.9	6.00	3.55	Fuel odor	
12:33 PM	100	0	0	11.3	7.88	408.1	0.29	-88.1	6.62	3.56	Fuel odor	
12:36 PM	100	0	0	11.2	7.90	409.4	0.31	-90.2	6.32		Fuel odor	

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-26-W-250113	Date:	1/13/2025 3:25:00 PM
Well ID:	MW-26	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/13/2025 2:48:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	3.19 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/13/2025 2:52:00 PM	End Date and Time:	1/13/2025 3:23:00 PM
Initial Pump Depth:	6.5 ft btoc	Final Pump Depth:	15 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
2:57 PM			0	10.2	6.73	790	1.54	40.9	6.47	3.29	None	None
3:02 PM			0	10.3	6.71	790	0.92	351.0	3.34	3.30	"	"
3:07 PM			0	10.2	6.73	780	0.60	31.5	3.54	3.31	"	'
3:12 PM			0	10.2	6.75	780	0.42	30.0	1.62	3.32	"	"
3:17 PM			0	10.1	6.74	770	0.39	28.4	1.33	3.33	"	"
3:20 PM			0	10.2	6.75	770	0.28	26.3	1.58	3.35	""	"
3:23 PM			0	10.2	6.74	770	0.25	25.2	1.18	3.36	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-27-W-250114	Date:	1/14/2025 11:07:00 AM
Well ID:	MW-27	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 10:25:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	1.85 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 10:31:00 AM	End Date and Time:	1/14/2025 11:05:00 AM
Initial Pump Depth:	5.5 ft btoc	Final Pump Depth:	5.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
10:36 AM	90		0	8.8	7.27	646	0.91	-13.0	6.68	1.95	Mild hc odor	None
10:41 AM	90		0	8.9	7.27	650	0.49	-51.9	15.10	1.96	"	"
10:46 AM	90		0	9.1	7.31	653	0.44	-70.1	2.16	1.97	"	"
10:51 AM	90		0	9.2	7.29	655	0.43	-79.5	3.43	1.97	"	"
10:56 AM	90		0	9.2	7.30	655	0.40	-88.2	2.59	1.98	"	'
10:59 AM	90		0	9.2	7.32	658	0.35	-92.3	2.85	1.98		
11:02 AM	90		0	9.2	7.30	660	0.32	-97.7	2.47	1.98		
11:05 AM	90		0	9.2	7.30	664	0.32	-100.2	1.92	1.99	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-28-W-250115	Date:	1/15/2025 9:45:00 AM
Well ID:	MW-28	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 9:10:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	3.29 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 9:13:00 AM	End Date and Time:	1/15/2025 9:43:00 AM
Initial Pump Depth:	5.5 ft btoc	Final Pump Depth:	5.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:16 AM	120		0	9.3	6.81	581.2	0.81	68.1	13.50	3.33		
9:19 AM	120		0	9.4	6.82	545.6	0.65	47.6	11.70	3.33		
9:22 AM	120		0	9.4	7.30	529.4	0.69	36.3	11.50	3.33		
9:25 AM	120		0	9.4	6.82	525.6	0.68	26.4	10.90	3.34		
9:28 AM	120		0	9.5	6.86	513.2	1.02	20.8	7.38	3.34		
9:31 AM	120		0	9.5	7.00	482.3	1.48	25.1	10.60	3.34		
9:34 AM	120		0	9.5	7.01	473.0	1.71	26.4	7.82	3.34		
9:37 AM	120		0	9.0	7.01	437.8	2.48	34.6	9.99	3.34		
9:40 AM	120		0	9.2	7.00	433.2	2.30	33.1	10.20	3.34		
9:43 AM	120		0	9.2	7.04	426.9	2.43	33.0	9.56	3.34		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-29-W-250115	Date:	1/15/2025 2:50:00 PM
Well ID:	MW-29	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 2:20:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.63 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 2:23:00 PM	End Date and Time:	1/15/2025 2:49:00 PM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	7.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
2:28 PM	90		0	11.4	6.79	604	1.40	35.5	17.40	5.73	None	Slight yellow
2:33 PM	90		0	12.1	6.78	606	0.92	44.3	6.00	5.73	"	"
2:38 PM	90		0	12.2	6.78	605	0.83	47.6	4.07	5.74	"	"
2:43 PM	90		0	12.1	6.78	605	0.80	51.3	2.73	5.75	"	"
2:46 PM	90		0	12.3	6.79	605	0.79	51.8	3.05	5.75	"	"
2:49 PM	90		0	12.2	6.78	604	0.77	51.6	4.17	5.75	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-30-W-250113	Date:	1/13/2025 1:45:00 PM
Well ID:	MW-30	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # 307998		
Comments:	Not Recorded		

Water Level			
Date:	1/13/2025 12:49:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.43 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/13/2025 12:51:00 PM	End Date and Time:	1/13/2025 1:44:00 PM
Initial Pump Depth:	8 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:55 PM	160	0	0	11.0	6.42	800	0.85	221.4	134	4.90		
12:58 PM	100	0	0	10.9	6.45	800	0.47	187.7	47.1	5.09		
1:01 PM	100	0	0	10.6	6.46	800	0.55	156.6	35.2	5.07		
1:04 PM	100	0	0	10.6	6.49	800	0.42	103.6	26.3	5.09		
1:07 PM	100	0	0	10.5	6.46	803	0.46	83.3	24.7	5.17		
1:10 PM	100	0	0	10.4	6.47	805	0.49	68.9	29.1	5.25		
1:13 PM	100	0	0	10.4	6.52	809	0.53	54.9	22.2	5.30		
1:16 PM	100	0	0	10.4	6.51	811	0.72	44.3	22.3	5.38		
1:19 PM	100	0	0	10.4	6.48	814	0.85	34.2	21.6	5.43		
1:26 PM	100	0	0	10.4	6.46	820	1.09	-3.4	15.5	5.53		
1:29 PM	100	0	0	10.4	6.54	822	1.07	-4.2	9.82	5.56		
1:32 PM	100	0	0	10.4	6.56	823	1.60	-6.8	10.7	5.66		
1:35 PM	100	0	0	10.4	6.56	823	1.45	-10.7	12.1	5.69		
1:38 PM	100	0	0	10.3	6.56	829	1.53	-20.4	11.7	5.78		
1:41 PM	100	0	0	10.4	6.55	830	1.52	-23.6	11.1	5.85		
1:44 PM	100	0	0	10.40	6.56	831.00	1.50	-26.1	10.10	5.88		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-31-W-250116	Date:	1/16/2025 10:10:00 AM
Well ID:	MW-31	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/16/2025 9:32:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.99 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/16/2025 9:40:00 AM	End Date and Time:	1/16/2025 10:06:00 AM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	8 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:45 AM	100	0	0	10.5	6.28	828	1.18	176.3	23.4	6.38		
9:48 AM	50	0	0	10.4	6.52	845	0.89	85.6	18.0	6.61		
9:51 AM	50	0	0	10.1	6.52	858	0.69	48.1	16.1	6.64		
9:54 AM	50	0	0	9.9	6.57	856	0.67	20.3	16.9	6.81		
9:57 AM	50	0	0	10.1	6.59	851	0.70	13.1	15.8	6.96		
10:00 AM	50	0	0	10.0	6.60	853	0.65	6.1	15.4	7.11		
10:03 AM	50	0	0	9.9	6.63	850	0.61	5.8	15.1	7.25		
10:06 AM	50	0	0	10.0	6.63	848	0.63	5.3	14.6	7.39		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-32-W-250116	Date:	1/16/2025 10:35:00 AM
Well ID:	MW-32	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/16/2025 9:50:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	2.08 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/16/2025 10:00:00 AM	End Date and Time:	1/16/2025 10:34:00 AM
Initial Pump Depth:	6.5 ft btoc	Final Pump Depth:	6.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
10:03 AM	100		0	10.0	6.21	298.7	0.36	29.6	206	2.20		
10:06 AM	100		0	9.8	6.08	333.2	0.33	9.1	71.4	2.18		
10:09 AM	100		0	9.9	6.33	340.4	0.34	-3.0	37.4	2.18		
10:12 AM	100		0	9.8	6.26	367.5	0.34	-19.8	34.7	2.18		
10:16 AM	100		0	10.0	6.35	386.5	0.53	-32.6	27.1	2.18		
10:19 AM	100		0	10.0	6.32	390.6	0.36	-33.7	29.8	2.18		
10:22 AM	100		0	10.0	6.37	405.5	0.21	-46.4	21.4	2.18		
10:25 AM	100		0	10.0	6.34	409.5	0.21	-48.6	19.1	2.18		
10:28 AM	100		0	10.1	6.34	413.9	0.17	-53.5	16.8	2.19		
10:31 AM	100		0	10.0	6.30	419.3	0.15	-54.9	16.1	2.19		
10:34 AM	100		0	10.0	6.44	428.5	0.17	-60.5	14.6	2.19		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-33-W-250114	Date:	1/14/2025 9:35:00 AM
Well ID:	MW-33	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 9:02:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.15 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 9:10:00 AM	End Date and Time:	1/14/2025 9:33:00 AM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:12 AM	100	0	0	10.4	6.57	955	4.93	186.6	15.2	4.17		
9:15 AM	100	0	0	10.2	6.55	964	4.80	158.6	10.2	4.17		
9:18 AM	100	0	0	10.2	6.83	965	4.56	147.4	3.08	4.17		
9:21 AM	100	0	0	10.4	6.85	960	5.58	134.4	3.62	4.17		
9:24 AM	100	0	0	10.2	6.91	959	5.73	120.1	2.82	4.17		
9:27 AM	100	0	0	10.3	6.90	959	5.62	114.6	2.19	4.17		
9:30 AM	100	0	0	10.3	6.88	957	5.88	113.4	2.23	4.18		
9:33 AM	100	0	0	10.2	6.92	955	5.70	109.1	1.81	4.18		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-34-W-250114	Date:	1/14/2025 1:20:00 PM
Well ID:	MW-34	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Ms/msd		

Water Level			
Date:	1/14/2025 12:48:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.21 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 12:57:00 PM	End Date and Time:	1/14/2025 1:19:00 PM
Initial Pump Depth:	8 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:59 PM	90		0	9.1	7.20	335.1	7.26	53.6	2.95	7.21	None	None
1:04 PM	90		0	9.8	7.15	480.4	6.35	71.4	1.98	7.21	"	"
1:09 PM	90		0	9.8	7.13	477.7	6.03	78.1	1.11	7.22		
1:14 PM	90		0	9.8	7.15	481.1	6.22	85.0	1.47	7.21	"	"
1:19 PM	90		0	10.0	7.15	478.3	6.39	90.4	0.97	7.21		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-36-W-250114	Date:	1/14/2025 12:55:00 PM
Well ID:	MW-36	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 12:19:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.42 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 12:22:00 PM	End Date and Time:	1/14/2025 12:51:00 PM
Initial Pump Depth:	8 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:24 PM	120		0	11.7	7.06	545.5	0.38	163.4	11.2	6.82		
12:27 PM	120		0	11.9	7.07	546.2	0.27	153.6	17.3	7.02		
12:30 PM	120		0	11.7	7.08	552.7	0.22	146.0	21.6	7.02		
12:33 PM	120		0	11.8	7.02	582.1	0.20	137.1	18.7	7.03		
12:36 PM	120		0	12.0	6.98	615.7	0.20	122.6	17.3	7.04		
12:39 PM	120		0	11.9	6.96	640.7	0.27	110.5	14.6	7.03		
12:42 PM	120		0	11.9	6.92	667	0.27	94.9	14.1	7.02		
12:45 PM	120		0	12.0	6.90	710	0.30	77.9	14.3	7.02		
12:48 PM	120		0	12.0	6.89	718	0.31	71.1	15.2	7.02		
12:51 PM	120		0	12.0	6.87	730	0.33	70.0	14.4	7.02		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-37-W-250114	Date:	1/14/2025 11:07:00 AM
Well ID:	MW-37	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 10:49:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.85 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 10:50:00 AM	End Date and Time:	1/14/2025 11:04:00 AM
Initial Pump Depth:	8 ft btoc	Final Pump Depth:	8 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
10:52 AM	140		0	13.2	6.78	1284	0.44	-131.2	2.95	6.87		
10:55 AM	140		0	13.4	6.82	1290	0.37	-136.1	1.06	6.88		
10:58 AM	140		0	13.6	6.80	1293	0.22	-140.2	1.00	6.88		
11:01 AM	140		0	13.4	6.82	1300	0.16	-141.0	0.97	6.89		
11:04 AM	140		0	13.3	6.82	1305	0.13	-141.6	0.88	6.88		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-38-W-250114	Date:	1/14/2025 9:32:00 AM
Well ID:	MW-38	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43191 WL/int meter: Solinst 101 # Solinst307998		
Comments:	Not Recorded		

Water Level			
Date:	1/14/2025 9:08:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.36 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/14/2025 9:14:00 AM	End Date and Time:	1/14/2025 9:29:00 AM
Initial Pump Depth:	8.5 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
9:16 AM	120		0	11.0	6.17	531.3	0.42	209.5	8.86	7.37		
9:20 AM	120		0	10.9	6.18	506.5	0.26	212.9	3.11	7.37		
9:23 AM	120		0	11.0	6.18	499.0	0.25	213.0	0.93	7.37		
9:26 AM	120		0	11.0	6.18	489.0	0.30	215.5	0.97	7.37		
9:29 AM	120		0	11.0	6.17	486.1	0.21	215.8	0.59	7.37		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-39-W-250115	Date:	1/15/2025 12:44:00 PM
Well ID:	MW-39	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 12:04:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.39 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 12:08:00 PM	End Date and Time:	1/15/2025 12:42:00 PM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
12:13 PM	90		0	11.2	6.82	820	0.85	58.9	1.62	5.43	Hc odor	None
12:18 PM	90		0	12.1	6.81	822	0.53	42.0	1.44	5.45	"	"
12:23 PM	90		0	12.2	6.82	819	0.51	33.7	0.79	5.45	"	"
12:28 PM	90		0	12.1	6.83	806	0.58	25.4	1.37	5.45	"	"
12:33 PM	90		0	12.1	6.83	804	0.55	20.0	1.01	5.45	"	"
12:36 PM	90		0	12.0	6.83	806	0.58	19.0	0.97	5.46		
12:39 PM	90		0	12.2	6.83	797	0.64	17.6	3.81	5.45	"	"
12:42 PM	90		0	12.1	6.82	797	0.59	16.1	1.03	5.46		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	MW-40-W-250115	Date:	1/15/2025 2:20:00 PM
Well ID:	MW-40	Location Type:	Monitoring Well
Duplicate ID:	DUP-1-WD-250115	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 43945 WL/int meter: Solinst 101 # 38353		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 1:36:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.80 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 1:47:00 PM	End Date and Time:	1/15/2025 2:18:00 PM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
1:51 PM	100	0	0	11.2	6.96	755	2.75	77.6	9.21	5.82		
1:54 PM	100	0	0	11.4	6.99	773	2.62	68.7	3.93	5.82		
1:57 PM	100	0	0	11.6	7.00	773	2.53	60.9	2.78	5.82		
2:00 PM	100	0	0	11.3	6.97	775	2.68	54.7	2.50	5.82		
2:03 PM	100	0	0	11.4	7.00	779	2.65	48.9	1.20	5.82		
2:06 PM	100	0	0	11.5	7.02	776	2.56	43.5	0.57	5.82		
2:09 PM	100	0	0	11.7	7.03	778	2.56	37.3	0.39	5.82		
2:12 PM	100	0	0	11.6	7.03	779	2.42	32.2	0.16	5.82		
2:15 PM	100	0	0	11.7	7.04	779	2.43	31.9	0.24	5.82		
2:18 PM	100	0	0	11.7	7.04	777	2.31	29.5	0.09	5.82		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q1-GW

Sample Information			
Sample ID:	RMW-01-W-250115	Date:	1/15/2025 11:44:00 AM
Well ID:	RMW-01	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 36429 WL/int meter: Solinst 101 # 30926		
Comments:	Not Recorded		

Water Level			
Date:	1/15/2025 11:15:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.40 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	1/15/2025 11:18:00 AM	End Date and Time:	1/15/2025 11:43:00 AM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	Not Recorded
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Purge Depth to Water (ft)	Odor (none)	Color (none)
11:23 AM	90		0	10.5	6.96	613	2.33	23.9	11.1	4.42	Mild hc	Slight yellow
11:28 AM	90		0	10.8	6.97	610	2.90	22.4	2.33	4.42	"	Clear
11:33 AM	90		0	10.8	6.98	611	3.07	21.8	2.62	4.42	"	"
11:38 AM	90		0	10.8	6.99	611	3.26	21.6	1.61	4.43	"	"
11:43 AM	90		0	10.7	7.00	611	3.49	22.2	1.20	4.43	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-01-W-250410	Date:	4/10/2025 1:10:00 PM
Well ID:	D-01	Location Type:	Monitoring Well
Duplicate ID:	DUP-02-WD-250410	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 12:32:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	10.34 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 12:34:00 PM	End Date and Time:	4/10/2025 1:06:00 PM
Initial Pump Depth:	19 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:36 PM	160		0	10.27	14.2	6.89	769	1.38	109.1	68.70		
12:39 PM	160		0	10.37	14.0	6.91	771	1.43	91.1	171		
12:42 PM	160		0	10.37	14.0	6.91	771	1.57	72.5	100		
12:45 PM	160		0	10.37	14.0	6.91	771	1.55	62.6	55.20		
12:48 PM	160		0	10.37	13.9	6.92	772	1.66	49.1	35.30		
12:51 PM	160		0	10.37	14.0	6.92	773	1.63	38.2	30.80		
12:54 PM	160		0	10.37	13.9	6.91	773	1.63	31.7	34.40		
12:57 PM	160		0	10.37	14.0	6.91	774	1.59	27.0	29.60		
1:00 PM	160		0	10.37	14.0	6.91	772	1.20	19.3	28.90		
1:03 PM	160		0	10.37	14.0	6.92	773	1.30	17.1	26.80		
1:06 PM	160		0	10.37	14.0	6.90	772	1.27	15.9	24.50		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-02A-W-250408	Date:	4/08/2025 3:15:00 PM
Well ID:	D-02A	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/082025 14:33:00 PM	Measured Depth of Well:	19.53
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.39	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/08/2025 2:44:00 PM	End Date and Time:	4/8/2025 3:09:00 PM
Initial Pump Depth:	17 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
2:49 PM	120	0	0	7.40	10.7	6.90	590.1	0.48	-78.8	59.8		
2:54 PM	120	0	0	7.40	11.2	6.90	589.5	0.30	-95.9	52.3		
2:59 PM	120	0	0	7.41	11.3	6.91	589.4	0.26	-104.5	41.9		
3:04 PM	120	0	0	7.41	11.6	6.91	589.6	0.23	-111.1	39.1		
3:09 PM	120	0	0	7.41	11.9	6.91	589.6	0.20	-115.6	36.3		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-03A-W-250410	Date:	4/10/2025 10:25:00 AM
Well ID:	D-03A	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 9:37:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.66 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 9:39:00 AM	End Date and Time:	4/10/2025 10:21:00 AM
Initial Pump Depth:	19 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
9:42 AM	150		0	6.70	12.9	6.86	1026	1.54	-0.1	35.40		
9:45 AM	150		0	6.68	13.1	6.96	1048	1.20	-43.6	25.30		
9:48 AM	150		0	6.68	13.2	6.95	1031	1.43	-62.0	28.00		
9:51 AM	150		0	6.68	13.2	6.96	1014	1.26	-65.9	28.50		
9:54 AM	150		0	6.68	13.3	6.97	1008	1.27	-67.7	27.20		
9:57 AM	150		0	6.68	13.3	6.94	1003	1.11	-67.0	28.80		
10:00 AM	150		0	6.68	13.3	6.98	997	1.11	-67.4	22.90		
10:03 AM	150		0	6.68	13.3	6.96	994	1.12	-66.2	11.30		
10:06 AM	150		0	6.68	13.3	6.96	992	1.11	-65.4	8.70		
10:09 AM	150		0	6.68	13.3	6.97	987	1.10	-64.6	6.91		
10:12 AM	150		0	6.68	13.3	6.97	984	1.17	-63.1	8.79		
10:15 AM	150		0	6.68	13.3	6.95	981	1.18	-62.9	6.95		
10:18 AM	150		0	6.68	13.3	6.96	983	1.11	-63.7	7.13		
10:21 AM	150		0	6.68	13.3	6.96	982	1.08	-63.5	7.27		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-06-W-250410	Date:	4/10/2025 11:25:00 AM
Well ID:	D-06	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 10:35:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	10.90 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 10:44:00 AM	End Date and Time:	4/10/2025 11:21:00 AM
Initial Pump Depth:	17.5 ft btoc	Final Pump Depth:	17.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:49 AM	100	0	0	11.59	12.5	7.01	613.80	0.66	236.5	129.00	Fuel	
10:54 AM	100	0	0	12.32	12.5	7.02	613.20	0.23	128.0	23.30	Fuel	
10:59 AM	50	0	0	12.79	12.8	7.03	613.10	0.27	59.7	23.80	Fuel	
11:04 AM	50	0	0	13.15	12.9	7.03	613.60	0.26	28.2	24.50	Fuel	
11:09 AM	50	0	0	13.32	12.9	7.04	614.60	0.30	-2.8	22.47	Fuel	
11:12 AM	50	0	0	13.37	13.0	7.04	611.30	0.36	-8.6	20.78		
11:15 AM	50	0	0	13.56	13.1	7.04	612.70	0.30	-9.6	19.37		
11:18 AM	50	0	0	13.60	13.1	7.04	613.00	0.31	-10.5	20.60		
11:21 AM	50	0	0	13.72	13.1	7.04	611.90	0.39	-11.1	21.90		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-07-W-250409	Date:	4/9/2025 9:50:00 AM
Well ID:	D-07	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 9:10:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.99 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 9:14:00 AM	End Date and Time:	4/9/2025 9:46:00 AM
Initial Pump Depth:	19 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
9:16 AM	100		0	6.90	14.1	6.83	972	1.67	32.4	478.00		
9:19 AM	100		0	6.90	14.3	6.79	960	1.64	-0.2	210.00		
9:22 AM	100		0	6.90	14.5	6.77	863	1.68	-22.8	45.80		
9:25 AM	100		0	6.90	14.5	6.76	815	1.49	-24.7	71.30		
9:28 AM	100		0	6.90	14.5	6.76	793	1.68	-24.3	73.20		
9:31 AM	100		0	6.90	14.6	6.75	795	1.90	-24.2	75.50		
9:34 AM	100		0	6.90	14.6	6.76	798	1.94	-24.9	67.80		
9:37 AM	100		0	6.90	14.6	6.76	793	1.77	-25.1	61.00		
9:40 AM	100		0	6.90	14.6	6.76	799	1.70	-26.3	47.70		
9:43 AM	100		0	6.90	14.5	6.76	795	1.65	-26.9	44.00		
9:46 AM	100		0	6.90	14.6	6.76	796	1.80	-27.4	40.00		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-08-W-250409	Date:	4/9/2025 9:55:00 AM
Well ID:	D-08	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 9:15:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.86	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 9:23:00 AM	End Date and Time:	4/9/2025 9:51:00 AM
Initial Pump Depth:	16	Final Pump Depth:	16
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
9:25 AM	120	0	0	6.87	10.9	6.93	797	1.74	70.6	81.8	Fuel	
9:30 AM	120	0	0	6.91	11.0	6.96	804	0.65	-54.9	30.6	Fuel	
9:35 AM	120	0	0	6.95	11.0	7.03	811	0.44	-97.0	29.3	Fuel	
9:40 AM	120	0	0	6.96	11.0	7.05	807	0.36	-111	36.3	Fuel	
9:45 AM	120	0	0	6.97	11.0	7.06	807	0.31	-120.1	28.8	Fuel	
9:48 AM	120	0	0	6.98	11.1	7.07	811	0.29	-124.1	30.7	Fuel	
9:51 AM	120	0	0	6.99	11.1	7.06	806	0.25	-126	29.4	Fuel	

GROUNDWATER SAMPLING LOG

Client: Chevron Environmental Management Company | Project #: 60701804

Site: Chevron Tacoma | Event: 2025-Q2-GW

Sample Information			
Sample ID:	D-09-W-250407	Date:	4/7/2025 3:15:00 PM
Well ID:	D-09	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 48512 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/7/2025 2:07:00 PM	Measured Depth of Well:	19.90 ft btoc
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.40 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/7/2025 2:17:00 PM	End Date and Time:	4/7/2025 3:12:00 PM
Initial Pump Depth:	15 ft btoc	Final Pump Depth:	5.35 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
2:22 PM	110		0	5.38	11.7	11.22	884	1.39	-10.5	57.50	Mild odor	Yellow
2:27 PM	110		0	5.36	11.8	11.96	882	2.13	-12.3	81.30	"	"
2:32 PM	110		0	5.36	11.8	11.57	878	2.05	-20.8	81.60	"	"
2:37 PM	110		0	5.36	11.9	11.64	873	2.41	-27.9	74.00	"	"
2:42 PM	110		0	5.36	11.9	12.87	870	1.96	-37.2	65.00	"	"
2:47 PM	110		0	5.36	12.0	12.37	870	0.27	-47.3	48.80	"	"
2:52 PM	110		0	5.36	11.9	12.26	870	0.31	-48.2	49.10	"	"
2:57 PM	110		0	5.35	11.8	12.63	870	0.27	-50.6	43.70	"	"
3:02 PM	110		0	5.35	11.7	12.43	869	0.25	-49.7	48.50	"	'
3:07 PM	110		0	5.35	11.8	12.38	867	0.24	-47.8	30.20	"	"
3:12 PM	110		0	5.35	11.8	12.38	867	0.25	-50.4	25.60	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-10-W-250408	Date:	4/8/2025 1:55:00 PM
Well ID:	D-10	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 1:22:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.91 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 1:27:00 PM	End Date and Time:	4/8/2025 1:54:00 PM
Initial Pump Depth:	19 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
1:33 PM	110		0	6.99	12.8	6.69	585	2.85	-2.9	13.00	None	None
1:38 PM	110		0	6.99	13.0	6.68	604	2.10	-44.9	14.70	"	"
1:43 PM	110		0	6.98	13.1	6.69	627	1.93	-69.2	14.20	"	"
1:48 PM	110		0	6.98	13.2	6.70	648	1.87	-87.8	3.59	"	"
1:51 PM	110		0	6.98	13.2	6.70	661	1.84	-96.3	1.76	"	"
1:54 PM	110		0	6.96	13.2	6.71	676	1.82	-102.2	1.98	“	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-11-W-250408	Date:	4/8/2025 12:44:00 PM
Well ID:	D-11	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 12:02:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.51 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 12:13:00 PM	End Date and Time:	4/8/2025 12:42:00 PM
Initial Pump Depth:	20 ft btoc	Final Pump Depth:	20 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:18 PM	100		0	6.52	12.1	6.87	1515	2.56	-138.5	9.05	Mild odor	None
12:23 PM	100		0	6.52	12.2	6.86	1277	2.12	-147.9	6.21	"	"
12:28 PM	100		0	6.52	12.2	6.83	1070	2.02	-148.4	4.94	"	"
12:33 PM	100		0	6.52	12.1	6.81	963	1.97	-147.2	5.51	"	"
12:36 PM	100		0	6.52	12.0	6.80	934	1.95	-146.3	3.87	"	"
12:39 PM	100		0	6.52	12.0	6.80	931	1.93	-145.9	3.85	"	"
12:42 PM	100		0	6.52	12.0	6.80	922	1.93	-145.4	3.63	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-12-W-250409	Date:	4/9/2025 9:44:00 AM
Well ID:	D-12	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 9:07:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.57 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 9:17:00 AM	End Date and Time:	4/9/2025 9:43:00 AM
Initial Pump Depth:	25.5 ft btoc	Final Pump Depth:	25.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
9:22 AM	110		0	7.58	13.0	6.73	734	2.69	-83.4	7.92	Mild hc	None
9:27 AM	110		0	7.59	13.2	6.82	735	2.12	-121.2	7.65	"	"
9:32 AM	110		0	7.60	13.3	6.85	734	1.98	-131.5	6.20	"	"
9:37 AM	110		0	7.61	13.2	6.88	739	1.93	-136.2	5.49	"	"
9:40 AM	110		0	7.61	13.3	6.89	741	1.90	-137.4	5.69	"	"
9:43 AM	110		0	7.62	13.3	6.90	740	1.88	-138.9	5.42	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-14-W-250409	Date:	4/9/2025 1:35:00 PM
Well ID:	D-14	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 1:12:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.52 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 1:16:00 PM	End Date and Time:	4/9/2025 1:30:00 PM
Initial Pump Depth:	30 ft btoc	Final Pump Depth:	30 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
1:18 PM	130		0	7.98	15.0	7.02	147.0	7.81	123.9	2.30		
1:21 PM	130		0	8.34	14.9	7.08	145.3	7.72	121.9	1.81		
1:24 PM	130		0	8.92	14.7	7.15	143.7	7.84	116.2	1.53		
1:27 PM	130		0	9.30	14.6	7.17	143.8	7.80	114.6	2.67		
1:30 PM	130		0	9.95	14.6	7.19	143.4	7.76	113.4	2.60		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-15-W-250409	Date:	4/9/2025 12:42:00 PM
Well ID:	D-15	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 11:53:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.91 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 11:59:00 AM	End Date and Time:	4/9/2025 12:37:00 PM
Initial Pump Depth:	17.5 ft btoc	Final Pump Depth:	17.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:04 PM	90		0	7.93	14.7	6.90	656	2.29	0.2	113.	None	Yellow
12:09 PM	90		0	7.93	14.7	6.72	656	1.95	-33.9	70.2	"	"
12:14 PM	90		0	7.93	14.8	6.69	657	1.84	-52.9	48.2	"	"
12:19 PM	90		0	7.94	14.9	6.68	659	1.75	-60.8	33.1	"	"
12:22 PM	90		0	7.93	14.8	6.68	659	1.74	-63.7	28.8	"	"
12:25 PM	90		0	7.93	14.9	6.69	660	1.72	-72.8	28.9	"	"
12:28 PM	90		0	7.93	14.9	6.68	659	1.71	-76.8	25.1	"	"
12:31 PM	90		0	7.93	15.2	6.68	659	1.69	-80.9	22.7	"	"
12:34 PM	90		0	7.63	15.2	6.68	659	1.68	-81.1	22.0	"	"
12:37 PM	90		0	7.63	15.3	6.69	661	1.67	-87.5	20.3	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-16-W-250409	Date:	4/9/2025 11:50:00 AM
Well ID:	D-16	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 11:32:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.60 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 11:32:00 AM	End Date and Time:	4/9/2025 11:49:00 AM
Initial Pump Depth:	23 ft btoc	Final Pump Depth:	23 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:34 AM	150		0	5.60	12.0	7.01	547.90	1.15	90.6	1.62		
11:37 AM	150		0	5.60	12.0	7.02	539.40	1.19	90.9	1.85		
11:40 AM	150		0	5.60	12.2	7.01	534.90	1.18	90.4	1.54		
11:43 AM	150		0	5.60	12.1	6.99	534.50	1.06	90.1	1.74		
11:46 AM	150		0	5.60	12.1	7.02	534.10	1.05	90.1	1.59		
11:49 AM	150		0	5.60	12.0	7.01	532.30	1.01	90.4	3.00		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-17-W-250407	Date:	4/7/2025 12:10:00 PM
Well ID:	D-17	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/7/2025 11:32:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.09 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/7/2025 11:35:00 AM	End Date and Time:	4/7/2025 11:59:00 PM
Initial Pump Depth:	18 ft btoc	Final Pump Depth:	18 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:38 AM	140		0	5.10	12.9	6.72	576.6	1.61	130.9	347		
11:41 AM	140		0	5.10	12.6	6.74	574.3	1.56	119.0	229		
11:44 AM	140		0	5.10	12.6	6.70	573.8	1.32	108.1	143		
11:47 AM	140		0	5.10	12.4	6.70	574.1	1.03	99.2	134		
11:50 AM	140		0	5.10	12.6	6.72	575.6	1.19	90.1	110		
11:53 AM	140		0	5.10	12.6	6.74	575.0	0.74	79.7	75.8		
11:56 AM	140		0	5.10	12.8	6.68	584.1	1.04	78.6	65.1		
12:02 PM	140		0	5.10	12.8	6.70	583.9	1.27	70.8	55.5		
12:05 PM	140		0	5.10	12.8	6.71	582.0	1.27	66.9	58.7		
11:59 PM	140		0	5.10	12.8	6.68	587.0	1.27	74.8	59.1		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-18-W-250407	Date:	4/7/2025 2:25:00 PM
Well ID:	D-18	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/7/2025 1:46:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.69 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/7/2025 1:49:00 PM	End Date and Time:	4/7/2025 2:19:00 PM
Initial Pump Depth:	18 ft btoc	Final Pump Depth:	18 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
1:53 PM	130		0	5.70	12.1	6.68	845	2.33	139.9	90.1		
1:58 PM	130		0	5.70	12.0	6.68	846	2.96	137.0	74.9		
2:01 PM	130		0	5.71	12.0	6.71	847	2.58	133.2	72.2		
2:04 PM	130		0	5.71	12.0	6.73	847	1.89	128.9	69.1		
2:07 PM	130		0	5.71	12.2	6.71	849	1.87	124.6	62.1		
2:10 PM	130		0	5.72	12.2	6.71	848	1.90	123.0	54.3		
2:13 PM	130		0	5.72	12.2	6.73	848	1.96	120.7	46.3		
2:16 PM	130		0	5.71	12.3	6.72	831	1.92	119.0	47.9		
2:19 PM	130		0	5.72	12.3	6.72	848	2.04	118.3	43.9		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-19-W-250409	Date:	4/9/2025 12:40:00 PM
Well ID:	D-19	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 11:50:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.91 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 11:57:00 AM	End Date and Time:	4/9/2025 12:34:00 AM
Initial Pump Depth:	16 ft btoc	Final Pump Depth:	16 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:02 PM	100	0	0	5.92	11.3	6.42	711	0.72	97.3	155		
12:07 PM	100	0	0	5.92	11.2	6.42	711	0.27	76.9	143		
12:12 PM	100	0	0	5.92	11.3	6.43	715	0.22	64.2	132		
12:17 PM	100	0	0	5.93	11.3	6.44	714	0.20	48.9	134		
12:22 PM	100	0	0	5.93	11.3	6.44	715	0.19	41.3	130		
12:25 PM	100	0	0	5.94	11.3	6.44	719	0.18	37.4	129		
12:28 PM	100	0	0	5.94	11.4	6.45	717	0.17	33.6	121		
12:31 PM	100	0	0	5.95	11.3	6.45	719	0.16	30.6	112		
12:34 PM	100	0	0	5.95	11.4	6.46	721	0.14	29.1	111		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-22-W-2504	Date:	4/8/2025 11:30:00 AM
Well ID:	D-22	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 10:50:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	9.07 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 10:59:00 AM	End Date and Time:	4/8/2025 11:27:00 AM
Initial Pump Depth:	17.5 ft btoc	Final Pump Depth:	17.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:04 AM	100	0	0	9.07	10.2	7.10	489.6	0.83	-76.0	77.1	Fuel	
11:09 AM	100	0	0	9.08	10.2	7.09	493.6	0.81	-97.7	30.8	Fuel	
11:14 AM	100	0	0	9.09	10.2	7.07	496.6	0.36	-107.1	20.2	Fuel	
11:19 AM	100	0	0	9.09	10.3	7.07	498.4	0.24	-113.4	9.90	Fuel	
11:24 AM	100	0	0	9.10	10.3	7.08	499.4	0.25	-118.2	9.10	Fuel	
11:27 AM	100	0	0	9.10	10.3	7.09	498.8	0.22	-120.9	8.70	Fuel	

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-23-W-250408	Date:	4/8/2025 2:05:00 PM
Well ID:	D-23	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 1:32:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.65 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 1:37:00 PM	End Date and Time:	4/8/2025 1:55:00 PM
Initial Pump Depth:	16 ft btoc	Final Pump Depth:	16 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
1:40 PM	100	0	0	7.65	11.1	7.13	870	0.59	-108.2	0.99		
	100	0	0	7.65	11.1	7.13	870	0.59	-108.2	0.99		
1:45 PM	100	0	0	7.65	11.2	7.11	864	0.31	-120.0	1.71		
	100	0	0	7.65	11.2	7.11	864	0.31	-120.0	1.71		
1:50 PM	100	0	0	7.65	11.2	7.11	858	0.23	-131.2	1.57		
	100	0	0	7.65	11.2	7.11	858	0.23	-131.2	1.57		
1:55 PM	100	0	0	7.65	11.2	7.12	868	0.21	-137.5	1.32		
	100	0	0	7.65	11.2	7.12	868	0.21	-137.5	1.32		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-24-W-250408	Date:	4/8/2025 11:05:00 AM
Well ID:	D-24	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 10:21:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.18 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 10:26:00 AM	End Date and Time:	4/8/2025 11:03:00 AM
Initial Pump Depth:	19 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:30 AM	100		0	6.20	12.0	7.10	8853	2.58	53.5	8.26		
10:33 AM	100		0	6.21	12.2	7.00	9940	2.10	22.6	2.70		
10:36 AM	100		0	6.21	13.0	6.98	10411	1.22	-20.2	1.60		
10:39 AM	100		0	6.21	13.3	6.97	10345	1.26	-57.3	1.10		
10:42 AM	100		0	6.21	13.5	6.97	10176	1.24	-31.9	0.93		
10:45 AM	100		0	6.21	13.5	6.98	10039	1.19	-114.5	0.45		
10:48 AM	100		0	6.22	13.5	6.97	9885	1.24	-158.9	0.57		
10:51 AM	100		0	6.22	13.5	6.97	9770	1.29	-189.2	0.48		
10:54 AM	100		0	6.22	13.4	6.97	9653	1.17	-222.1	0.42		
10:57 AM	100		0	6.22	13.2	6.96	9527	1.16	-258.9	0.50		
11:00 AM	100		0	6.22	13.1	6.95	9393	1.14	-278.9	0.73		
11:03 AM	100		0	6.22	13.0	6.94	9208	1.22	-288.9	0.97		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-25-W-250408	Date:	4/8/2025 3:05:00 PM
Well ID:	D-25	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 2:40:00 PM	Measured Depth of Well:	19.90 ft btoc
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.25 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 2:41:00 PM	End Date and Time:	4/8/2025 3:04:00 PM
Initial Pump Depth:	19 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
1:49 PM	140		0	7.28	12.9	6.55	686	1.44	17.4	67.30		
2:43 PM	140		0	7.28	12.9	6.57	686	1.56	36.9	71.20		
2:46 PM	140		0	7.28	12.9	6.55	685	1.41	22.1	66.80		
2:52 PM	140		0	7.28	13.0	6.56	689	1.54	5.5	64.90		
2:55 PM	140		0	7.28	13.1	6.57	691	1.79	1.1	75.40		
2:58 PM	140		0	7.28	13.4	6.58	697	1.91	-8.0	74.20		
3:01 PM	140		0	7.28	13.5	6.58	702	1.91	-12.4	70.10		
3:04 PM	140		0	7.28	13.4	6.58	700	1.89	-12.2	75.80		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-26-W-250408	Date:	4/8/2025 1:25:00 PM
Well ID:	D-26	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	MS/MSD collected.		

Water Level			
Date:	4/8/2025 1:00:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.66 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 1:09:00 PM	End Date and Time:	4/8/2025 1:24:00 PM
Initial Pump Depth:	19 ft btoc	Final Pump Depth:	19 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
1:12 PM	100		0	6.67	12.8	6.63	561.8	4.54	5.1	155		
1:15 PM	100		0	6.67	13.0	6.68	561.5	3.39	-14.9	154		
1:18 PM	100		0	6.67	13.0	6.69	562.5	4.02	-20.3	153		
1:21 PM	100		0	6.67	13.1	6.69	562.9	3.76	-21.0	147		
1:24 PM	100		0	6.67	13.2	6.69	563.2	3.81	-21.8	149		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-27-W-250408	Date:	4/8/2025 10:15:00 AM
Well ID:	D-27	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 9:36:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.51 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 9:41:00 AM	End Date and Time:	4/8/2025 10:10:00 AM
Initial Pump Depth:	16.5 ft btoc	Final Pump Depth:	16.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
9:46 AM	100	0	0	7.51	11.8	6.74	824	0.91	-53.3	42.0	Fuel	
9:51 AM	100	0	0	7.52	12.0	6.74	838	0.40	-64.4	43.0	Fuel	
9:56 AM	100	0	0	7.53	12.0	6.74	845	0.30	-72.1	45.6	Fuel	
10:01 AM	100	0	0	7.54	12.1	6.74	853	0.28	-78.8	42.8	Fuel	
10:04 AM	100	0	0	7.54	12.1	6.74	852	0.25	-81.9	23.1	Fuel	
10:07 AM	100	0	0	7.54	12.1	6.73	860	0.24	-82.3	21.5	Fuel	
10:10 AM	100	0	0	7.55	12.1	6.74	858	0.22	-86.2	19.5	Fuel	

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	D-28-W-250409	Date:	4/9/2025 2:00:00 PM
Well ID:	D-28	Location Type:	Not In Database
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 1:12:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.03 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 1:17:00 PM	End Date and Time:	4/9/2025 1:56:00 PM
Initial Pump Depth:	20 ft btoc	Final Pump Depth:	20 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
1:21 PM	100	0	0	7.03	12.6	7.08	738	0.45	133.5	8.63	Fuel	
1:26 PM	100	0	0	7.03	12.6	7.09	738	0.30	97.0	3.38	Fuel	
1:31 PM	100	0	0	7.03	12.6	7.08	739	0.28	57.3	3.24	Fuel	
1:36 PM	100	0	0	7.03	12.6	7.09	739	0.32	25.1	2.18	Fuel	
1:41 PM	100	0	0	7.03	12.7	7.09	739	0.24	6.3	2.45	Fuel	
1:44 PM	100	0	0	7.03	12.7	7.10	739	0.23	-2.2	1.67	Fuel	
1:47 PM	100	0	0	7.03	12.6	7.09	739	0.21	-9.9	1.13	Fuel	
1:50 PM	100	0	0	7.03	12.6	7.10	738	0.21	-12.8	1.49	Fuel	
1:53 PM	100	0	0	7.03	12.7	7.09	738	0.21	-13.1	0.93	Fuel	
1:56 PM	100	0	0	7.03	12.7	7.10	737	0.20	-14.2	0.80	Fuel	

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-10-W-250407	Date:	4/7/2025 10:25:00 AM
Well ID:	MW-10	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/7/2025 10:02:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	3.25 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/7/2025 10:06:00 AM	End Date and Time:	4/7/2025 10:23:00 AM
Initial Pump Depth:	6.5 ft btoc	Final Pump Depth:	6.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:05 AM	200		0	3.34	13.1	6.80	657.0	3.96	120.3	13.7		
10:08 AM	150		0	3.35	13.0	6.81	643.9	3.12	118.8	10.9		
10:11 AM	150		0	3.35	13.0	6.77	635.8	3.31	117.8	5.31		
10:14 AM	150		0	3.35	13.0	6.78	628.5	3.43	116.4	6.94		
10:17 AM	150		0	3.35	13.2	6.78	628.3	3.24	115.4	4.88		
10:20 AM	150		0	3.34	13.0	6.77	629.7	3.35	114.9	3.79		
10:23 AM	150		0	3.34	13.3	6.78	634.8	3.25	113.9	4.34		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-11-W-250407	Date:	4/7/2025 9:25:00 AM
Well ID:	MW-11	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/7/2025 8:56:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.67 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/7/2025 9:05:00 AM	End Date and Time:	4/7/2025 9:21:00 AM
Initial Pump Depth:	6.5 ft btoc	Final Pump Depth:	6.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
9:06 AM	100		0	4.79	12.1	6.84	933	1.58	123.1	6.54		
9:09 AM	100		0	4.77	11.9	6.90	801	2.44	115.2	6.67		
9:12 AM	100		0	4.80	11.9	6.88	770	2.51	113.2	4.16		
9:15 AM	100		0	4.81	11.9	6.91	755	2.52	112.3	3.81		
9:18 AM	100		0	4.81	11.9	6.91	745	2.59	110.3	4.21		
9:21 AM	100		0	4.81	12.0	6.91	739	2.55	109.2	3.46		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-12-W-250407	Date:	4/07/2025 14:30:00 PM
Well ID:	MW-12	Location Type:	Monitoring Well
Duplicate ID:	DUP-01-WD-250407	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/07/2025 13:45:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	3.91 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/07/2025 13:54:00 PM	End Date and Time:	4/07/2025 14:27:00 PM
Initial Pump Depth:	5.5 ft btoc	Final Pump Depth:	5.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
13:58 PM	120	0	0	3.91	10.3	6.61	1093	1.44	103.8	48.4		
14:03 PM	120	0	0	3.92	10.1	6.64	975	1.64	112.4	51.1		
14:08 PM	120	0	0	3.94	10.0	6.64	870	2.53	95.6	52.5		
14:13 PM	120	0	0	3.96	10.0	6.64	811	2.27	172.7	50.8		
14:16 PM	120	0	0	3.97	10.0	6.64	808	2.23	129.1	53.5		
14:19 PM	120	0	0	3.98	10.0	6.65	803	2.35	115.9	51.6		
14:22 PM	120	0	0	3.99	10.0	6.64	800	2.29	110.6	55.2		
14:25 PM	120	0	0	4.01	10.0	6.64	797	2.31	113.9	54.7		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-13-W-250410	Date:	4/10/2025 12:58:00 PM
Well ID:	MW-13	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 12:31:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.93 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 12:37:00 PM	End Date and Time:	4/10/2025 12:55:00 PM
Initial Pump Depth:	6.5 ft btoc	Final Pump Depth:	6.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:40 PM	100	0	0	4.96	11.2	7.07	248.7	2.23	145.2	1.69		
12:45 PM	100	0	0	4.97	10.9	6.87	248.1	1.50	142.7	1.55		
12:50 PM	100	0	0	4.97	10.8	6.89	245.2	1.38	139.5	2.09		
12:55 PM	100	0	0	4.98	10.7	6.88	241.8	1.42	142.2	1.99		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-14-W-250410	Date:	4/10/2025 11:00:00 AM
Well ID:	MW-14	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Not Recorded		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 10:39:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.32 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 10:40:00 AM	End Date and Time:	4/10/2025 10:58:00 AM
Initial Pump Depth:	8 ft btoc	Final Pump Depth:	8 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:43 AM	100		0	5.33	12.8	7.18	172.6	4.73	38.6	19.5		
10:46 AM	100		0	5.33	12.7	7.09	171.4	4.68	44.2	12.9		
10:49 AM	100		0	5.33	12.8	7.03	171.0	4.61	50.7	10.6		
10:52 AM	100		0	5.33	13.1	7.00	170.7	4.58	57.6	10.7		
10:55 AM	100		0	5.33	13.2	6.99	171.1	4.73	61.2	10.2		
10:58 AM	100		0	5.33	13.3	7.00	171.2	4.78	63.5	10.5		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-18-W-250410	Date:	4/10/2025 12:15:00 PM
Well ID:	MW-18	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 11:41:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.07 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 11:44:00 AM	End Date and Time:	4/10/2025 12:10:00 PM
Initial Pump Depth:	8.5 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:50 AM	50	0	0	7.09	11.6	7.10	527.4	1.56	99.5	8.92		
11:55 AM	50	0	0	7.11	11.3	7.14	439.1	3.77	66.5	1.93		
12:00 PM	50	0	0	7.12	11.2	7.15	393.4	4.06	51.5	1.34		
12:05 PM	50	0	0	7.14	11.1	7.13	388.8	4.08	49.7	1.28		
12:10 PM	50	0	0	7.15	11.0	7.15	385.9	4.29	49.1	1.58		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-19-W-250410	Date:	4/10/2025 12:20:00 PM
Well ID:	MW-19	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 11:24:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	3.67 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 11:25:00 AM	End Date and Time:	4/10/2025 12:17:00 PM
Initial Pump Depth:	8.5 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:29 AM	100		0	3.69	13.4	6.76	503.9	2.12	110.5	148.		
11:32 AM	100		0	3.69	13.3	6.80	497.3	2.18	107.8	69.4		
11:35 AM	100		0	3.69	13.4	6.83	508.9	2.97	104.9	50.8		
11:38 AM	120		0	3.69	13.1	6.83	523.5	1.93	104.1	34.5		
11:41 AM	120		0	3.69	13.1	6.84	527.5	2.01	102.6	33.0		
11:44 AM	120		0	3.69	13.3	6.86	533.8	2.01	100.7	24.8		
11:47 AM	120		0	3.69	12.6	6.87	544.3	1.77	100.5	17.2		
11:50 AM	120		0	3.69	12.8	6.86	543.8	1.70	99.8	16.0		
11:53 AM	120		0	3.69	12.8	6.86	546.3	1.87	97.6	13.5		
11:56 AM	120		0	3.69	12.8	6.89	554.3	1.77	96.0	10.2		
11:59 AM	120		0	3.69	13.1	6.88	553.3	1.79	95.3	8.50		
12:02 PM	120		0	3.69	13.2	6.88	555.4	1.86	93.7	10.2		
12:05 PM	120		0	3.69	13.2	6.89	556.7	1.92	91.8	7.09		
12:08 PM	120		0	3.69	12.9	6.87	554.0	1.92	91.3	6.44		
12:11 PM	120		0	3.69	12.9	6.87	551.5	1.99	91.0	4.97		
12:14 PM	120		0	3.69	12.7	6.87	554.7	2.03	89.9	4.61		
12:17 PM	120		0	3.69	12.8	6.88	556.5	2.03	89.6	4.70		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-21-W-250409	Date:	4/9/2025 12:41:00 PM
Well ID:	MW-21	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 12:11:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	2.52 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 12:12:00 PM	End Date and Time:	4/9/2025 12:40:00 PM
Initial Pump Depth:	8.5 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:13 PM	140		0	2.89	12.4	6.62	427.7	1.39	125.9	8.28		
12:16 PM	140		0	2.94	12.5	6.61	426.6	1.42	123.8	9.60		
12:19 PM	140		0	2.93	12.8	6.59	428.1	1.44	118.7	6.37		
12:22 PM	140		0	2.94	12.8	6.59	428.6	1.45	116.5	5.59		
12:25 PM	140		0	2.94	12.7	6.60	428.2	1.53	114.3	5.10		
12:28 PM	140		0	2.93	12.6	6.59	428.7	1.49	111.1	5.80		
12:31 PM	140		0	2.93	12.6	6.61	430.7	1.54	110.1	5.78		
12:34 PM	140		0	2.93	12.6	6.60	432.6	1.53	109.1	3.93		
12:37 PM	140		0	2.93	12.7	6.60	433.1	1.52	108.1	3.20		
12:40 PM	140		0	2.94	12.6	6.61	433.7	1.46	107.7	3.71		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-22-W-250409	Date:	4/9/2025 10:30:00 AM
Well ID:	MW-22	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 9:58:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.60 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 10:00:00 AM	End Date and Time:	4/9/2025 10:29:00 AM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	7.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:02 AM	140		0	4.65	12.7	6.84	862	1.33	18.5	57.0		
10:05 AM	120		0	4.65	12.6	6.85	873	1.13	4.5	33.3		
10:08 AM	120		0	4.65	12.6	6.87	894	1.31	-6.0	18.9		
10:11 AM	120		0	4.66	12.5	6.87	907	1.60	-10.3	14.7		
10:14 AM	120		0	4.66	12.6	6.88	920	1.52	-12.1	17.7		
10:17 AM	120		0	4.66	12.6	6.89	930	1.54	-12.4	11.8		
10:20 AM	120		0	4.66	12.6	6.90	937	1.74	-10.7	8.14		
10:23 AM	120		0	4.66	12.6	6.90	941	1.96	-9.2	8.43		
10:26 AM	120		0	4.66	12.5	6.91	944	2.01	-5.2	7.93		
10:29 AM	120		0	4.66	12.4	6.91	948	2.01	-2.7	7.80		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-23-W-250409	Date:	4/9/2025 10:50:00 AM
Well ID:	MW-23	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 10:12:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.31 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 10:15:00 AM	End Date and Time:	4/9/2025 10:44:00 AM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:18 AM	120	0	0	5.31	10.1	7.67	1952	7.6	45.1	22.2		
10:23 AM	120	0	0	5.31	9.90	8.10	1743	8.81	40.2	8.4		
10:28 AM	120	0	0	5.31	9.80	8.27	1544	8.64	55.8	4.87		
10:33 AM	120	0	0	5.32	9.70	8.34	1376	8.79	74.9	3.13		
10:38 AM	120	0	0	5.32	9.80	8.37	1276	8.77	93.2	2.07		
10:41 AM	120	0	0	5.32	9.80	8.37	1243	8.79	102.1	1.84		
10:44 AM	120	0	0	5.32	9.80	8.37	1208	8.84	110.9	1.78		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-24-W-250410	Date:	4/10/2025 9:20:00 AM
Well ID:	MW-24	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 8:43:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.91 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 8:48:00 AM	End Date and Time:	4/10/2025 9:16:00 AM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
8:53 AM	50	0	0	5.15	9.7	6.62	633.5	0.7	266.4	60.0		
8:58 AM	50	0	0	5.15	9.9	6.73	632.5	0.55	240.6	47.2		
9:03 AM	50	0	0	5.21	9.8	6.75	635.6	0.68	215.9	33.1		
9:08 AM	50	0	0	5.23	9.7	6.77	639.6	0.68	188.5	23.8		
9:13 AM	50	0	0	5.25	9.7	6.77	640.9	0.74	171.9	19.1		
9:16 AM	50	0	0	5.27	9.6	6.78	642.2	0.73	161.8	20.7		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-25-250408	Date:	4/9/2025 3:09:00 PM
Well ID:	MW-25	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 2:24:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	2.80 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 2:34:00 PM	End Date and Time:	4/8/2025 3:06:00 PM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	7.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
2:39 PM	100		0	2.89	11.5	7.74	325.1	2.42	-183.8	3.56	Mild hc-like odor	None
2:44 PM	100		0	2.89	10.7	7.80	339.7	2.07	-205.6	3.64	"	"'
2:49 PM	100		0	2.89	11.0	7.80	355.3	2.07	-207.4	1.75	"	"
2:54 PM	100		0	2.89	11.2	7.82	383.3	2.19	-200.1	1.35	"	"
2:57 PM	100		0	2.90	11.3	7.82	402.8	2.45	-193.8	1.62	"	"
3:00 PM	100		0	2.90	11.3	7.83	418.4	2.72	-187.6	1.78	"	"
3:03 PM	100		0	2.90	11.2	7.84	424.0	2.83	-184.7	1.34	"	"
3:06 PM	100		0	2.91	11.3	7.84	423.1	2.82	-185.9	1.10	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-26-W-250407	Date:	4/7/2025 11:20:00 AM
Well ID:	MW-26	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/7/2025 10:46:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	2.91 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/7/2025 10:49:00 AM	End Date and Time:	4/7/2025 11:16:00 AM
Initial Pump Depth:	9 ft btoc	Final Pump Depth:	9 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:52 AM	140		0	3.05	12.2	6.86	735	2.07	130.4	4.32		
10:55 AM	140		0	3.07	11.7	6.90	735	1.64	126.8	22.1		
10:58 AM	140		0	3.08	11.6	6.91	734	1.23	123.1	30.8		
11:01 AM	140		0	3.08	11.5	6.90	735	1.28	118.5	19.6		
11:04 AM	140		0	3.07	11.6	6.91	734	1.38	118.7	12.4		
11:07 AM	140		0	3.07	11.5	6.90	734	1.57	117.6	7.53		
11:10 AM	140		0	3.07	11.5	6.89	734	1.45	123.1	4.93		
11:13 AM	140		0	3.07	11.5	6.90	735	1.44	119.5	3.40		
11:16 AM	140		0	3.08	11.5	6.93	735	1.37	116.5	3.08		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-27-W-250408	Date:	4/8/2025 11:41:00 AM
Well ID:	MW-27	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 11:05:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	0.91 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 11:13:00 AM	End Date and Time:	4/8/2025 11:39:00 AM
Initial Pump Depth:	5.5 ft btoc	Final Pump Depth:	5.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:18 AM			0	1.01	10.1	7.14	590	2.66	-13.0	10.8	Mild	Yellow
11:23 AM			0	1.02	10.2	7.15	520	2.24	-98.6	2.92	"	"
11:28 AM			0	1.03	10.2	7.17	530	2.12	-145.4	4.56	"	"
11:33 AM	100		0	1.04	10.3	7.18	540	2.04	-165.0	2.34	"	"
11:36 AM	100		0	1.05	10.3	7.17	550	2.00	-175.0	1.95	'	"
11:39 AM	100		0	1.05	10.3	7.18	550	2.00	-177.8	2.66	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-28-W-250409	Date:	4/9/2025 11:25:00 AM
Well ID:	MW-28	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 10:50:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	2.61 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 10:53:00 AM	End Date and Time:	4/9/2025 11:22:00 AM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	7.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:55 AM	120		0	2.61	11.7	7.10	622.9	1.25	89.9	33.0		
10:58 AM	120		0	2.62	11.6	7.09	613.4	1.24	78.9	29.4		
11:01 AM	120		0	2.63	11.8	7.11	619.6	1.20	59.8	13.7		
11:04 AM	120		0	2.63	11.9	7.10	617.3	1.19	50.3	15.7		
11:07 AM	120		0	2.63	12.0	7.09	614.2	1.23	44.6	15.6		
11:10 AM	120		0	2.63	12.1	7.07	605.8	1.28	44.2	9.37		
11:13 AM	120		0	2.63	12.2	7.01	586.2	1.25	50.1	7.09		
11:16 AM	120		0	2.64	12.1	7.00	580.3	1.21	52.3	4.44		
11:19 AM	120		0	2.64	12.2	6.98	566.8	1.15	57.6	4.53		
11:22 AM	120		0	2.64	12.1	6.98	554.6	1.17	59.6	3.41		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-29-W-250409	Date:	4/9/2025 11:26:00 AM
Well ID:	MW-29	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 11:00:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.13 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 11:05:00 AM	End Date and Time:	4/9/2025 11:25:00 AM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:10 AM	90		0	5.21	13.4	6.97	567	3.11	86.1	5.58	None	None
11:15 AM	90		0	5.22	13.3	6.75	548	3.20	90.8	3.65	"	"
11:20 AM	90		0	5.23	13.2	6.71	550	3.05	91.0	3.87	"	"
11:25 AM	90		0	5.23	13.3	6.68	555	2.96	90.2	3.79	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-30-W-250407	Date:	4/7/2025 1:10:00 PM
Well ID:	MW-30	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/7/2025 12:30:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.10 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/7/2025 12:35:00 PM	End Date and Time:	4/7/2025 1:04:00 PM
Initial Pump Depth:	8.5 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:38 PM	130		0	4.25	12.7	6.58	898	2.35	127.0	35.3		
12:41 PM	130		0	4.32	11.9	6.61	899	2.87	124.9	35.6		
12:44 PM	130		0	4.35	11.8	6.61	899	2.61	122.7	18.9		
12:47 PM	130		0	4.39	11.7	6.61	901	2.41	119.1	11.8		
12:50 PM	130		0	4.40	11.6	6.62	902	2.97	117.2	8.44		
12:53 PM	130		0	4.40	11.6	6.62	903	2.87	116.0	5.98		
12:56 PM	130		0	4.40	11.6	6.62	902	2.99	115.3	5.95		
12:59 PM	130		0	4.40	11.6	6.62	900	2.90	114.7	3.42		
1:01 PM	130		0	4.40	11.7	6.63	896	2.94	114.4	4.58		
1:04 PM	150		0	4.40	11.7	6.64	894	2.81	114.2	2.79		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-31-W-250409	Date:	4/9/2025 11:11:00 AM
Well ID:	MW-31	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Sample not collected – well ran dry.		

Water Level			
Date:	4/9/2025 11:07:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.60 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 11:11:00 AM	End Date and Time:	4/9/2025 11:31:00 AM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:16 AM	50	0	0	6.20	11.2	6.67	852	0.45	88.5	90.2		
11:21 AM	50	0	0	6.65	10.8	6.68	861	0.64	44.6	102		
11:26 AM	50	0	0	7.32	10.6	6.69	861	0.40	5.7	58.3		
11:31 AM	50	0	0	8.07	10.9	6.69	850	0.32	-11.3	40.3		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-32-W-250410	Date:	4/10/2025 9:30:00 AM
Well ID:	MW-32	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Not Recorded		
Comments:	Not Recorded		

Water Level			
Date:	4/10/2025 8:36:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	1.64 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/10/2025 8:41:00 AM	End Date and Time:	4/10/2025 9:27:00 AM
Initial Pump Depth:	8.5 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
8:45 AM	160		0	1.75	11.3	7.26	131.0	1.06	139.6	259		
8:48 AM	160		0	1.75	11.2	6.16	128.7	0.92	134.1	109		
8:51 AM	160		0	1.75	11.1	6.26	148.5	0.82	95.1	44.0		
8:54 AM	160		0	1.76	11.1	6.32	157.5	0.83	82.6	47.5		
8:57 AM	160		0	1.75	11.1	6.36	163.5	0.83	71.2	32.4		
9:00 AM	160		0	1.75	11.1	6.38	175.1	0.85	64.2	26.4		
9:03 AM	160		0	1.75	11.1	6.42	180.2	0.88	56.8	24.1		
9:06 AM	160		0	1.75	11.1	6.44	189.2	0.93	51.7	15.1		
9:09 AM	160		0	1.75	11.1	6.46	190.6	1.03	48.2	15.4		
9:12 AM	160		0	1.75	11.1	6.48	199.7	1.06	42.9	8.36		
9:15 AM	160		0	1.75	11.1	6.50	205.0	0.93	38.6	7.21		
9:18 AM	160		0	1.75	11.2	6.52	209.3	0.89	34.4	6.78		
9:21 AM	160		0	1.75	11.2	6.52	210.9	0.86	31.8	5.32		
9:24 AM	160		0	1.75	11.2	6.53	214.4	0.84	26.7	5.83		
9:27 AM	160		0	1.75	11.2	6.55	219.0	0.83	23.2	5.57		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-33-W-2504	Date:	4/8/2025 1:20:00 PM
Well ID:	MW-33	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 12:45:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	4.02 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 12:49:00 PM	End Date and Time:	4/8/2025 1:15:00 PM
Initial Pump Depth:	7 ft btoc	Final Pump Depth:	7 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:52 PM	100	0	0	4.02	9.7	6.78	986	3.23	228.0	21.0		
12:57 PM	100	0	0	4.02	9.6	6.79	995	2.60	203.5	12.6		
1:02 PM	100	0	0	4.02	9.6	6.79	996	2.52	188.8	2.49		
1:07 PM	100	0	0	4.02	9.5	6.80	996	2.53	165.7	2.44		
1:12 PM	100	0	0	4.02	9.6	6.82	992	2.44	152.3	1.22		
1:15 PM	100	0	0	4.02	9.6	6.81	988	2.49	148.0	1.26		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-34-W-2504	Date:	4/8/2025 12:25:00 PM
Well ID:	MW-34	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 11:48:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.10 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 11:55:00 AM	End Date and Time:	4/8/2025 12:19:00 PM
Initial Pump Depth:	8.5 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
11:59 AM	100	0	0	7.11	9.2	7.41	415.4	6.49	104.9	1.94		
12:04 PM	100	0	0	7.11	9.2	7.38	410.8	5.58	124.3	0.58		
12:09 PM	100	0	0	7.12	9.3	7.37	416.8	5.75	142.7	0.67		
12:14 PM	100	0	0	7.12	9.3	7.38	419.8	5.87	156.4	0.76		
12:19 PM	100	0	0	7.12	9.4	7.40	418.5	5.68	160.4	0.47		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-36-W-250408	Date:	4/8/2025 9:55:00 AM
Well ID:	MW-36	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 #		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 9:15:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.10 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 9:19:00 AM	End Date and Time:	4/8/2025 9:52:00 AM
Initial Pump Depth:	8.5 ft btoc	Final Pump Depth:	8.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
9:22 AM	140		0	6.41	10.7	7.10	1122	4.52	119.3	29.9		
9:25 AM	140		0	6.49	10.6	6.98	1128	3.56	117.0	28.8		
9:28 AM	140		0	6.42	10.4	6.95	1129	3.52	115.6	23.2		
9:31 AM	140		0	6.34	10.3	6.92	1129	3.10	114.5	22.2		
9:34 AM	140		0	6.37	10.2	6.91	1123	2.98	112.7	23.9		
9:37 AM	140		0	6.42	10.4	6.91	1121	3.48	111.4	18.1		
9:40 AM	140		0	6.40	10.3	6.91	1117	3.59	110.6	15.2		
9:43 AM	140		0	6.43	10.4	6.91	1122	2.99	110.0	13.7		
9:46 AM	140		0	6.44	10.7	6.86	1109	2.62	109.1	13.7		
9:49 AM	140		0	6.45	10.5	6.86	1105	2.78	109.1	14.2		
9:52 AM	140		0	6.46	10.5	6.86	1106	2.75	109.0	13.7		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-37-W-250408	Date:	4/8/2025 3:40:00 PM
Well ID:	MW-37	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 3:12:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	6.51 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 3:17:00 PM	End Date and Time:	4/8/2025 3:37:00 PM
Initial Pump Depth:	9 ft btoc	Final Pump Depth:	9 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
3:25 PM	140		0	6.54	13.6	6.77	1180	1.62	63.1	9.33		
3:28 PM	140		0	6.54	13.5	6.80	1182	2.19	-82.0	1.60		
3:31 PM	140		0	6.54	13.6	6.82	1185	2.41	-93.2	0.90		
3:34 PM	140		0	6.54	13.7	6.82	1189	2.23	-97.3	0.83		
3:37 PM	140		0	6.54	13.7	6.82	1191	2.22	-97.9	0.70		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-38-W-250408	Date:	4/8/2025 12:45:00 PM
Well ID:	MW-38	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Emily Richardson
Equipment:	Field param meter: YSI Pro Plus # 43952 WL/int meter: Solinst 101 # 39527		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 12:21:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	7.03 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 12:23:00 PM	End Date and Time:	4/8/2025 12:41:00 PM
Initial Pump Depth:	9 ft btoc	Final Pump Depth:	9 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
12:26 PM	100		0	7.03	11.5	6.46	511.6	2.71	0.7	14.6		
12:29 PM	100		0	7.03	11.3	6.34	486.8	2.50	10.0	6.83		
12:32 PM	100		0	7.03	11.1	6.32	474.8	2.34	20.5	6.29		
12:35 PM	100		0	7.03	11.1	6.32	471.0	2.35	29.2	4.46		
12:38 PM	100		0	7.04	11.1	6.31	468.7	2.36	33.0	4.17		
12:41 PM	100		0	7.04	11.1	6.32	467.1	2.44	38.2	4.61		

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-39-W-2504	Date:	4/8/2025 9:25:00 AM
Well ID:	MW-39	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Kiera McDowell
Equipment:	Field param meter: YSI Pro Plus # 48511 WL/int meter: Solinst 101 # 43413		
Comments:	Not Recorded		

Water Level			
Date:	4/8/2025 8:36:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.03 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/8/2025 8:43:00 AM	End Date and Time:	4/8/2025 9:19:00 AM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	7.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
8:46 AM	100	0	0	5.05	11.0	6.95	703	1.02	228.2	32.0	Fuel	
8:51 AM	100	0	0	5.07	11.0	7.01	703	0.36	169.6	7.73	Fuel	
8:56 AM	100	0	0	5.08	11.0	7.04	706	0.60	128.9	6.20	Fuel	
9:01 AM	100	0	0	5.10	11.0	7.05	711	1.21	98.1	2.26	Fuel	
9:04 AM	100	0	0	5.12	10.9	7.06	710	1.17	88.8	1.29	Fuel	
9:07 AM	100	0	0	5.12	10.9	7.06	710	1.30	80.3	1.38	Fuel	
9:10 AM	100	0	0	5.13	10.9	7.06	709	1.26	76.1	1.00	Fuel	
9:13 AM	100	0	0	5.13	10.9	7.06	709	1.24	65.8	0.95	Fuel	
9:16 AM	100	0	0	5.14	10.9	7.06	708	1.30	64.4	0.86	Fuel	
9:19 AM	100	0	0	5.14	10.9	7.06	707	1.35	63.8	0.79	Fuel	

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	MW-40-W-250409	Date:	4/9/2025 1:55:00 PM
Well ID:	MW-40	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

Water Level			
Date:	4/9/2025 1:11:00 PM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	5.43 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

Purge Information			
Begin Date and Time:	4/9/2025 1:17:00 PM	End Date and Time:	4/9/2025 1:52:00 PM
Initial Pump Depth:	9 ft btoc	Final Pump Depth:	9 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
1:22 PM	90		0	5.46	14.0	6.90	752	5.50	8.5	63.7	None	Yellow
1:27 PM	90		0	5.48	13.7	6.77	746	5.27	40.6	8.31	"	"
1:32 PM	90		0	5.48	13.8	6.75	738	5.32	38.6	5.59	"	"
1:37 PM	90		0	5.48	13.7	6.75	731	5.11	25.5	3.66	"	"
1:40 PM	90		0	5.48	13.7	6.75	727	4.92	19.5	2.78	"	None
1:43 PM	90		0	5.48	13.7	6.75	725	4.76	17.3	2.14	"	"
1:46 PM	90		0	5.48	13.6	6.75	723	4.76	15.2	2.06	"	"
1:49 PM	90		0	5.48	13.7	6.76	721	4.77	13.9	2.00	"	"
1:52 PM	90		0	5.48	13.7	6.75	722	4.72	12.7	1.61	"	"

GROUNDWATER SAMPLING LOG

Client:	Chevron Environmental Management Company	Project #:	60701804
Site:	Chevron Tacoma	Event:	2025-Q2-GW

Sample Information			
Sample ID:	RMW-1-W-250409	Date:	4/9/2025 10:35:00 AM
Well ID:	RMW-01	Location Type:	Monitoring Well
Duplicate ID:	Not Applicable	Sampler:	Molly McDonald
Equipment:	Field param meter: YSI Pro Plus # 45809 WL/int meter: Solinst 101 # 12841		
Comments:	Not Recorded		

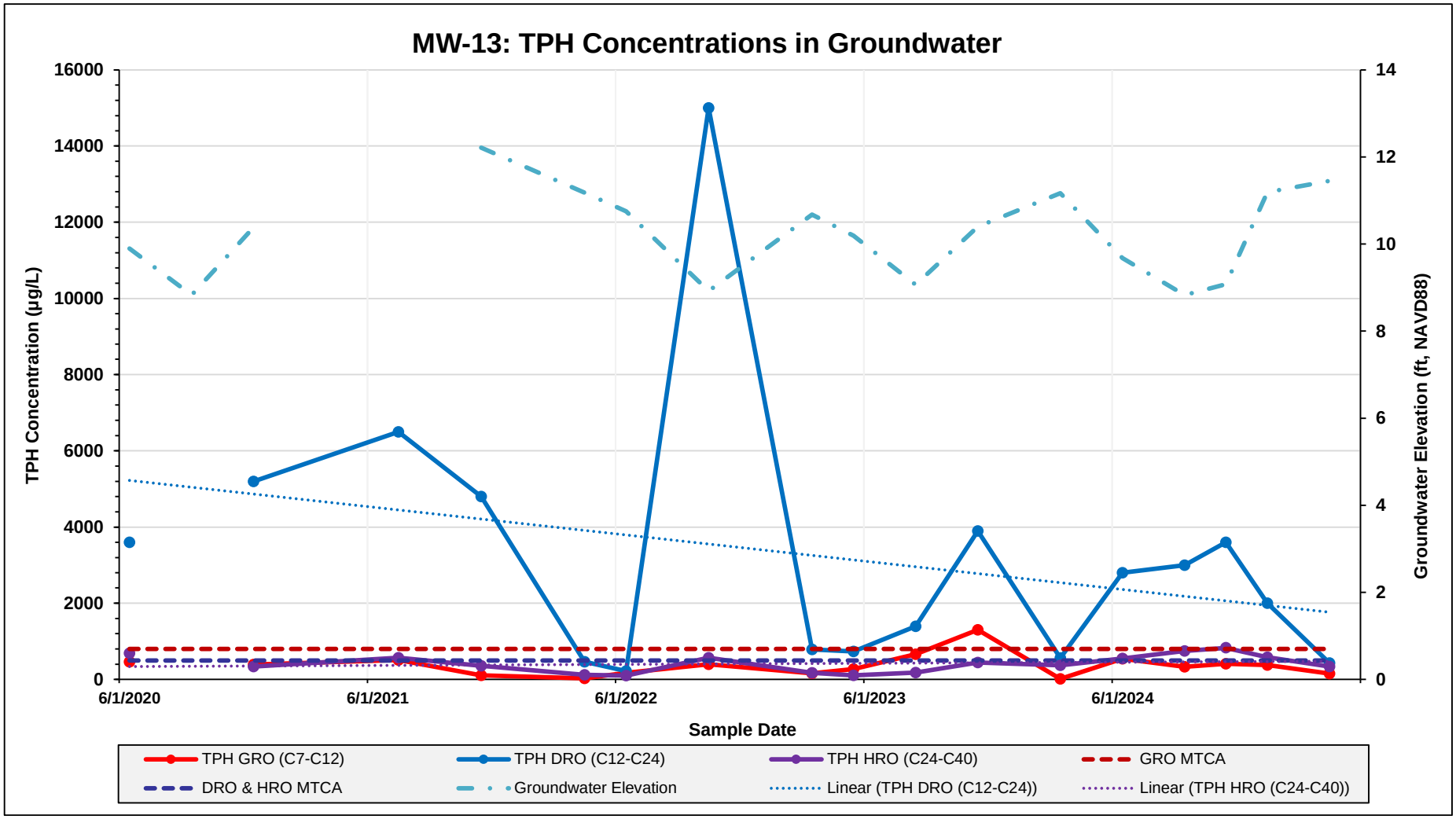
Water Level			
Date:	4/9/2025 10:06:00 AM	Measured Depth of Well:	Not Measured
Is Well Dry?	No	Depth to DNAPL:	Not Encountered
Depth to Water:	3.72 ft btoc	Depth to LNAPL:	Not Encountered
Notes:	Not Recorded		

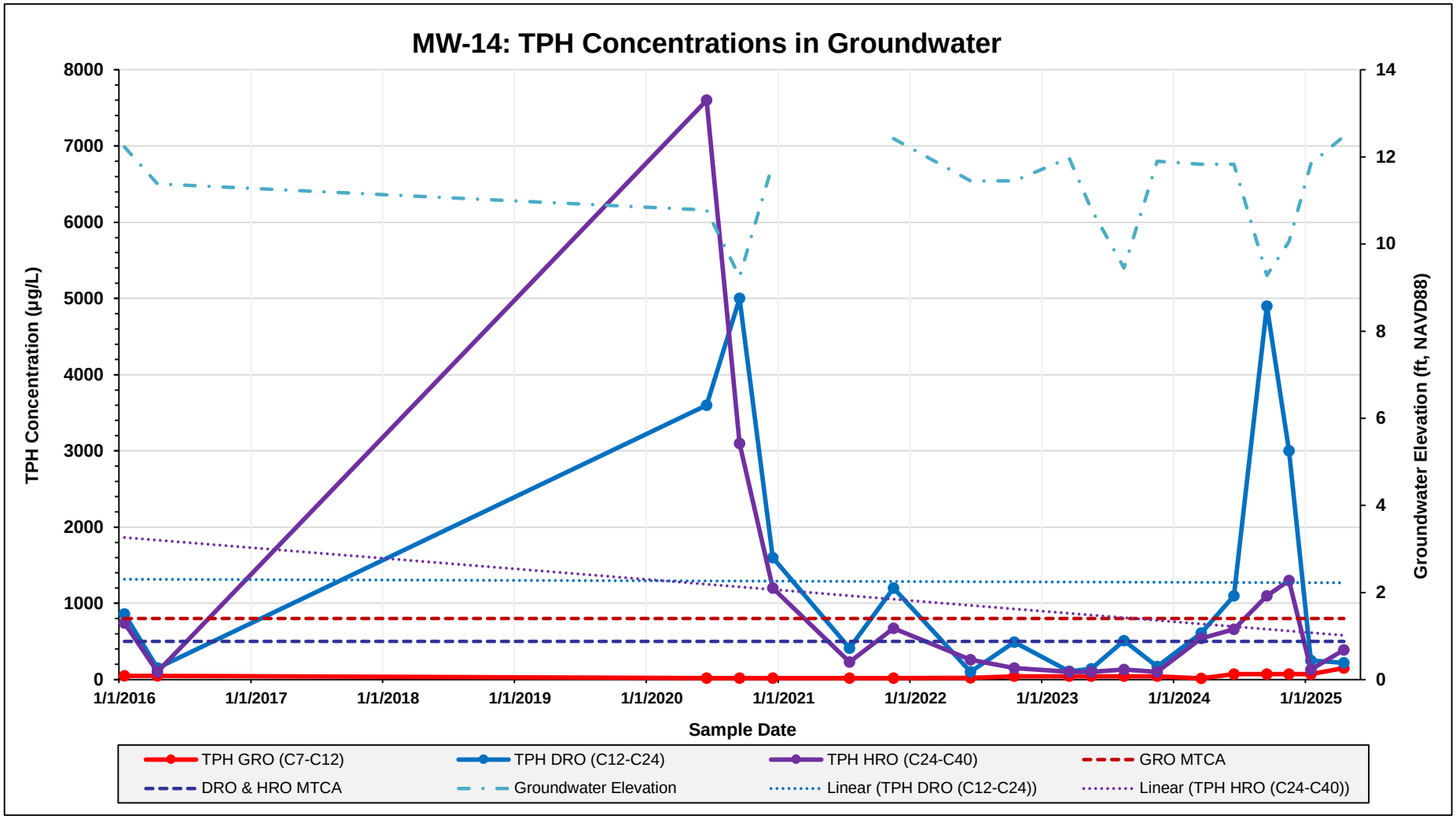
Purge Information			
Begin Date and Time:	4/9/2025 10:12:00 AM	End Date and Time:	4/9/2025 10:35:00 AM
Initial Pump Depth:	7.5 ft btoc	Final Pump Depth:	7.5 ft btoc
Purge Method:	Low flow (pump type: Peristaltic)	Sample Method:	Low flow
Notes:	Not Recorded		

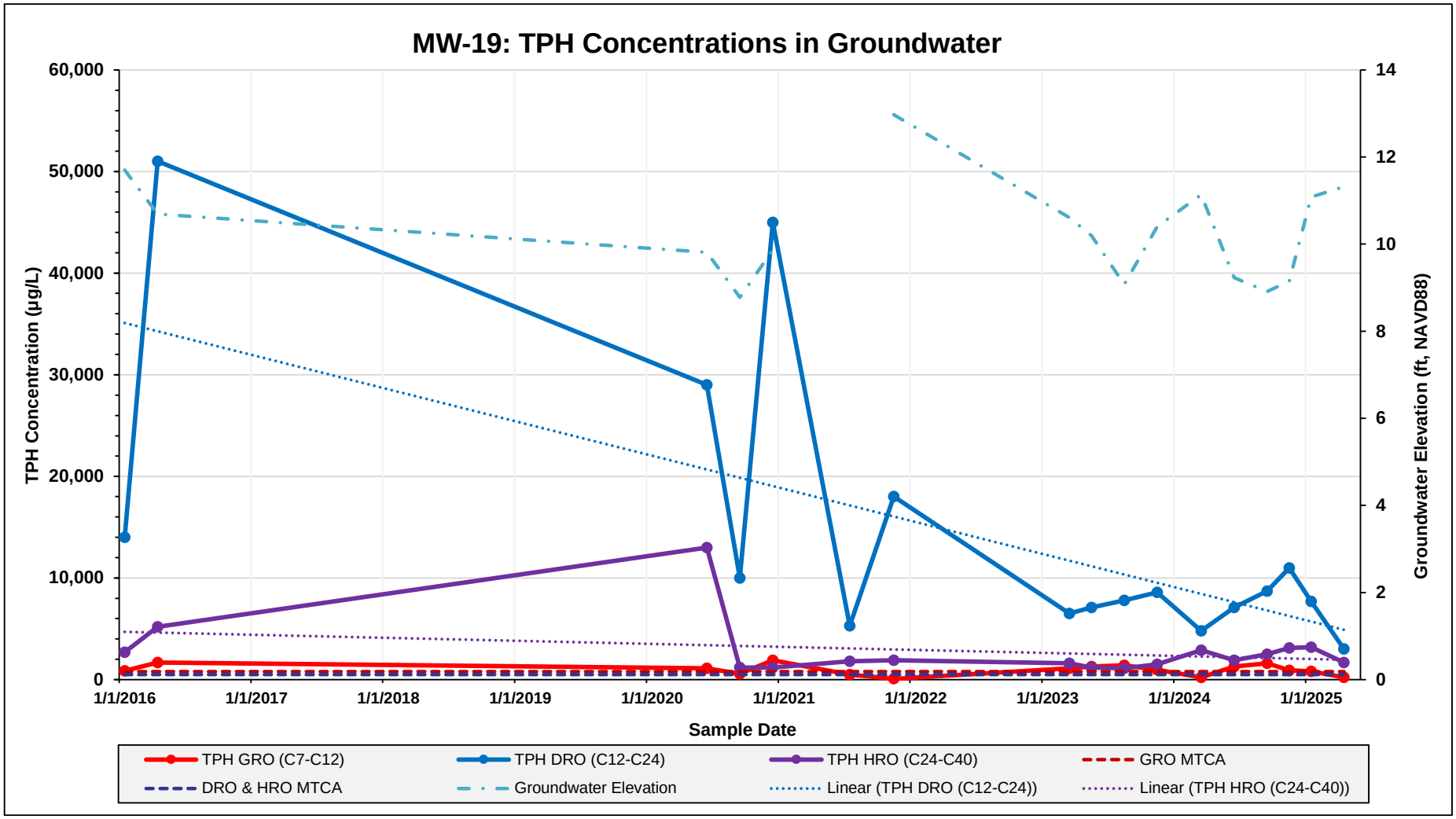
Time	Purge Rate (ml/min)	Purge Volume (l)	Cumulative Purge Volume (l)	Purge Depth to Water (ft)	Temperature (deg C)	pH (su)	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Odor (none)	Color (none)
10:17 AM	110		0	3.72	11.8	6.72	683	6.25	68.4	2.45	None	None
10:22 AM	110		0	3.72	11.8	6.70	678	6.36	78.0	1.00	"	"
10:27 AM	110		0	3.72	11.7	6.68	684	6.24	86.6	0.68	"	"
10:32 AM	110		0	3.72	11.6	6.68	682	6.32	93.0	0.83	"	"
10:35 AM	110		0	3.72	11.6	6.68	679	6.35	94.6	1.01	"	"

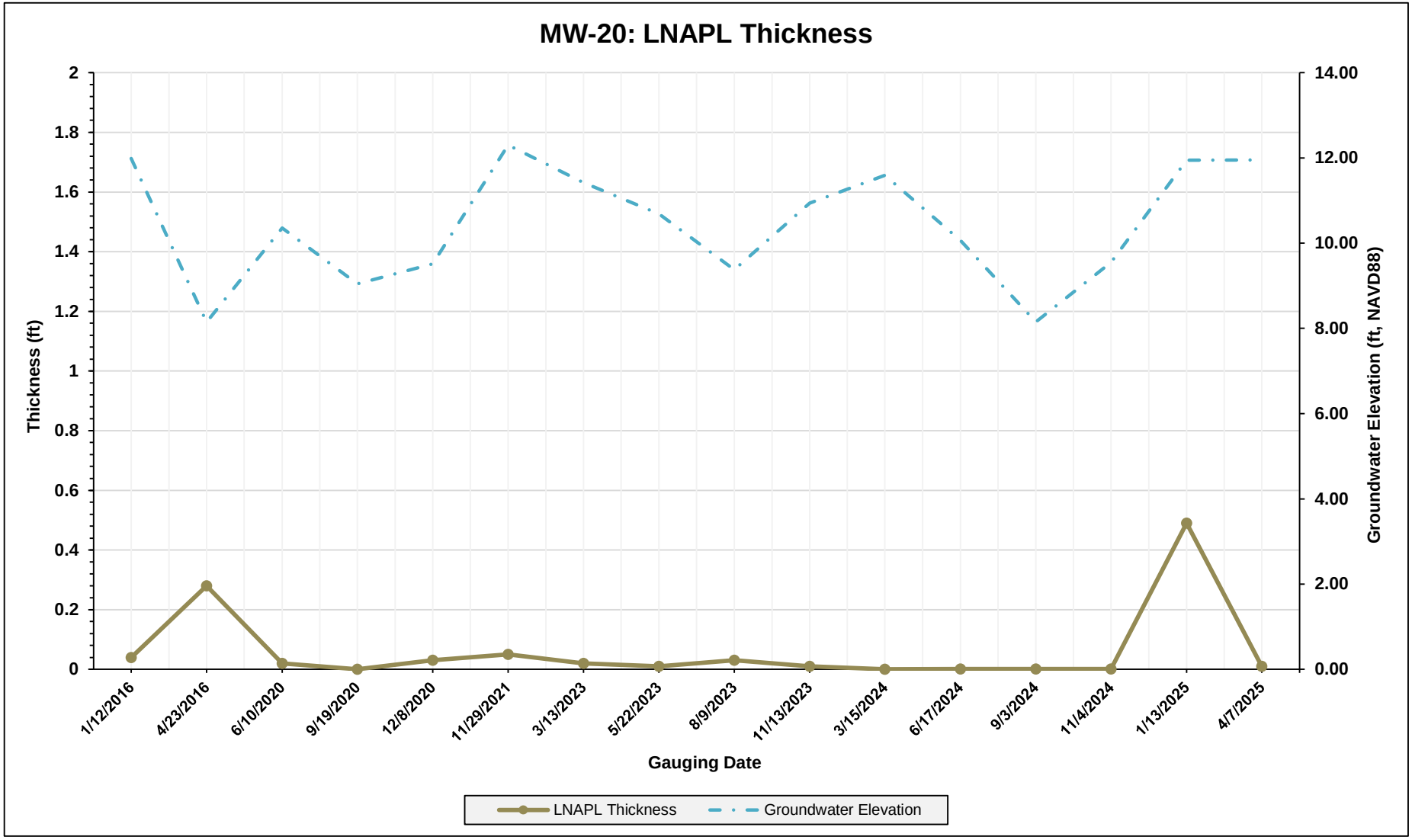
Appendix B

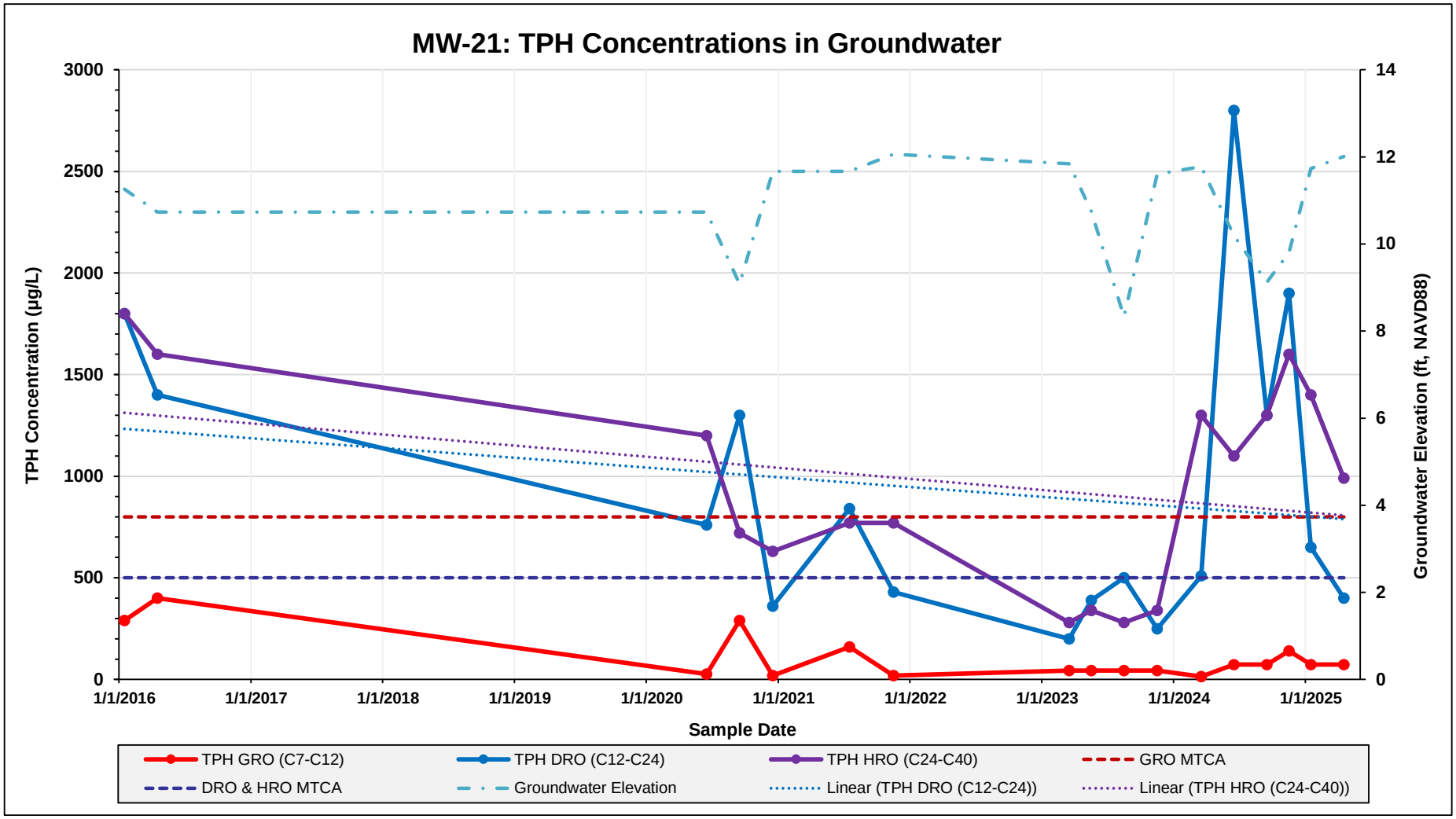
Trend Graphs

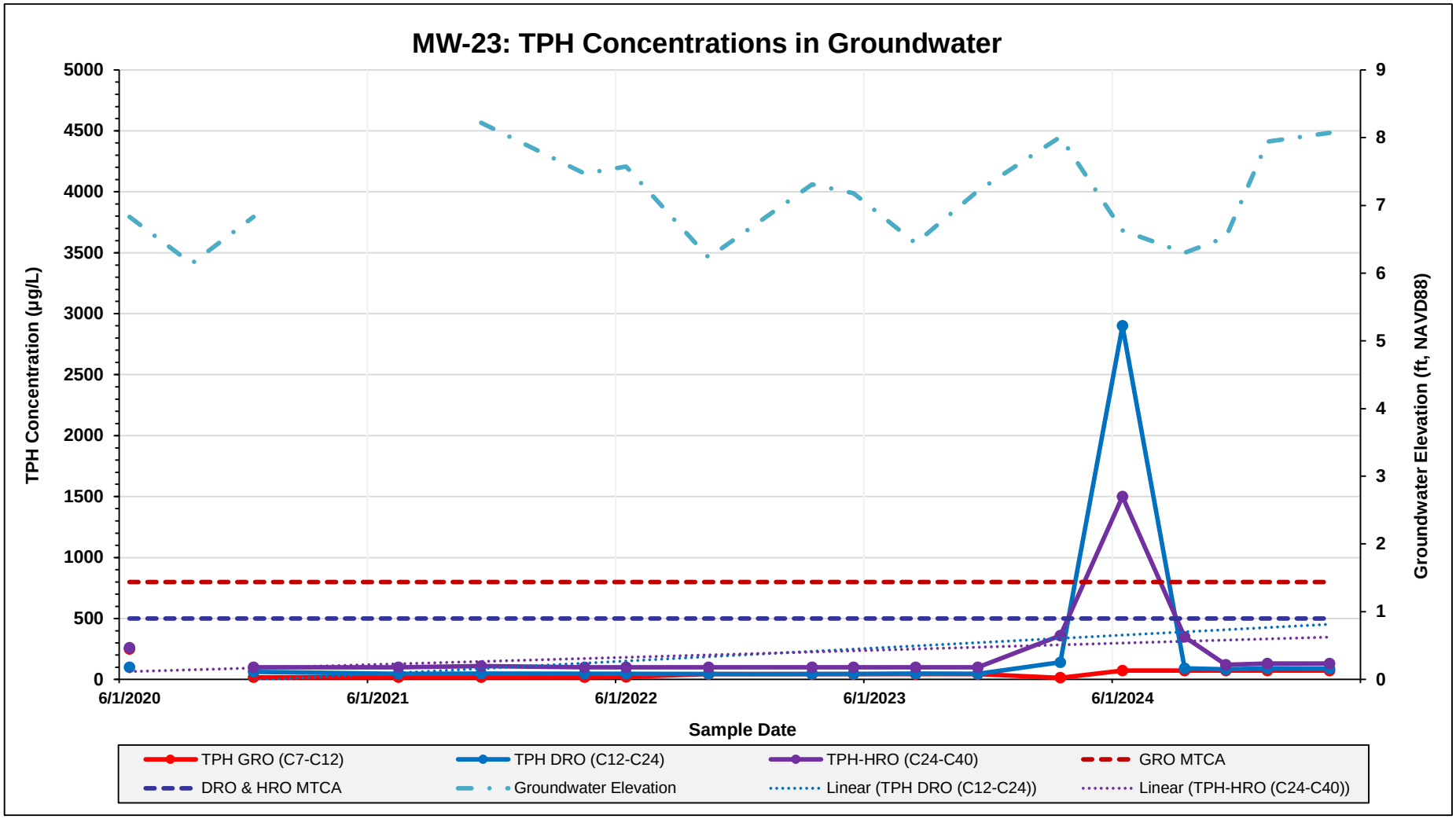

MW-13: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
16000
14000
12000
10000
8000
6000
4000
2000
0
14
12
10
8
6
4
2
0
6/1/2020
6/1/2021
6/1/2022
6/1/2023
6/1/2024
Sample Date
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

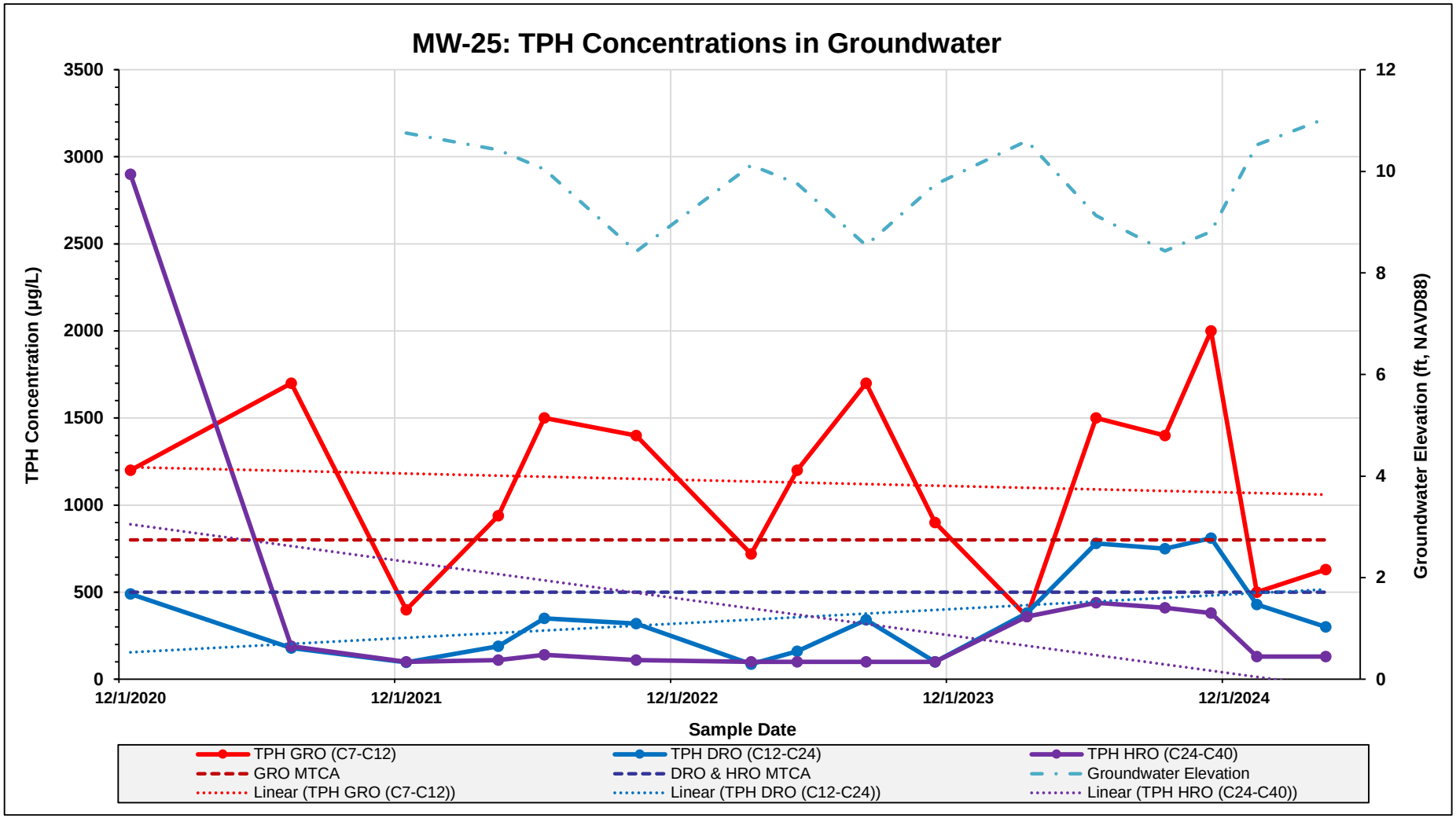

MW-14: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
8000
7000
6000
5000
4000
3000
2000
1000
0
14
12
10
8
6
4
2
0
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

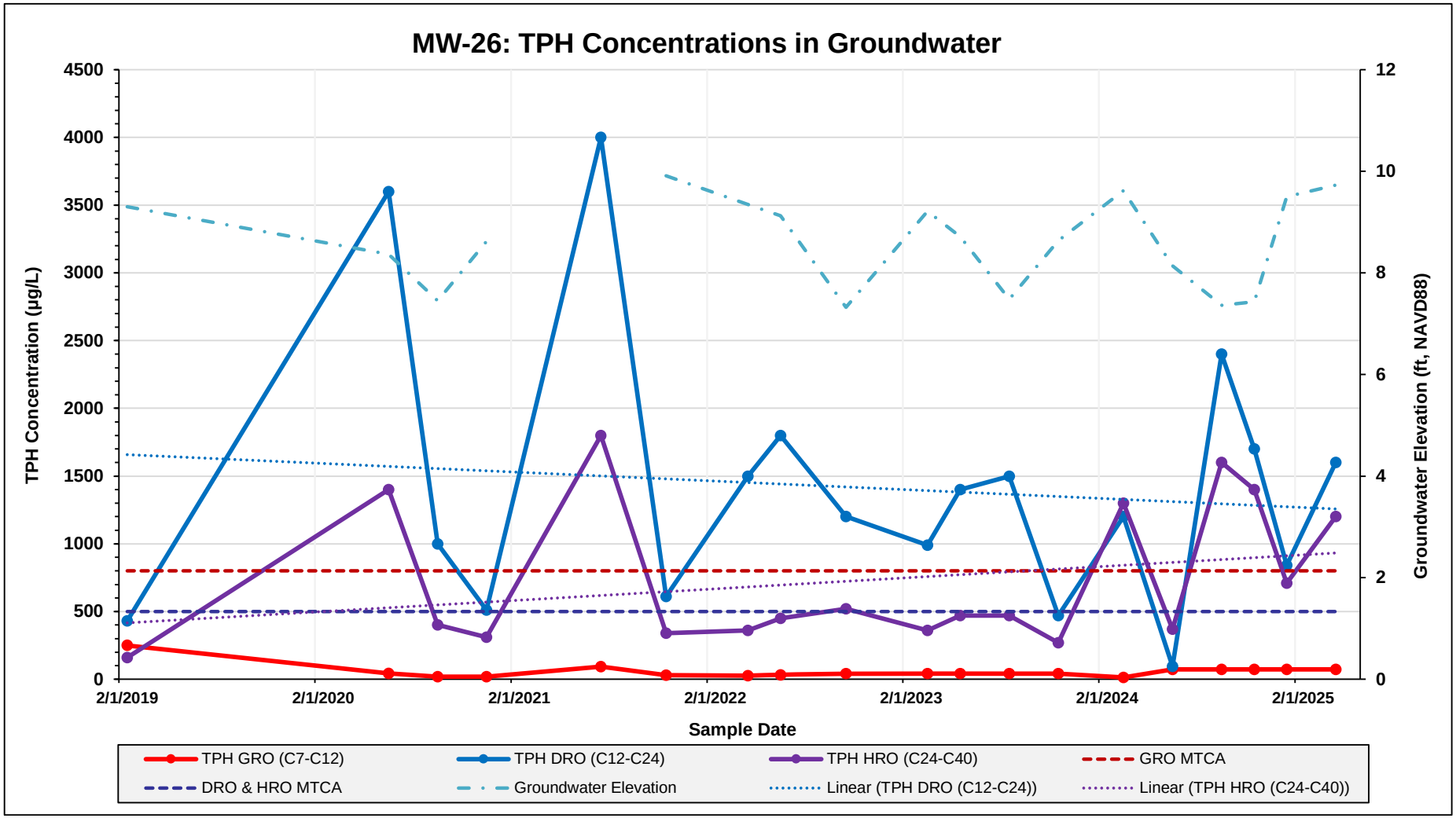

MW-19: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
60,000
50,000
40,000
30,000
20,000
10,000
0
Groundwater Elevation (ft, NAVD88)
14
12
10
8
6
4
2
0
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
Sample Date
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

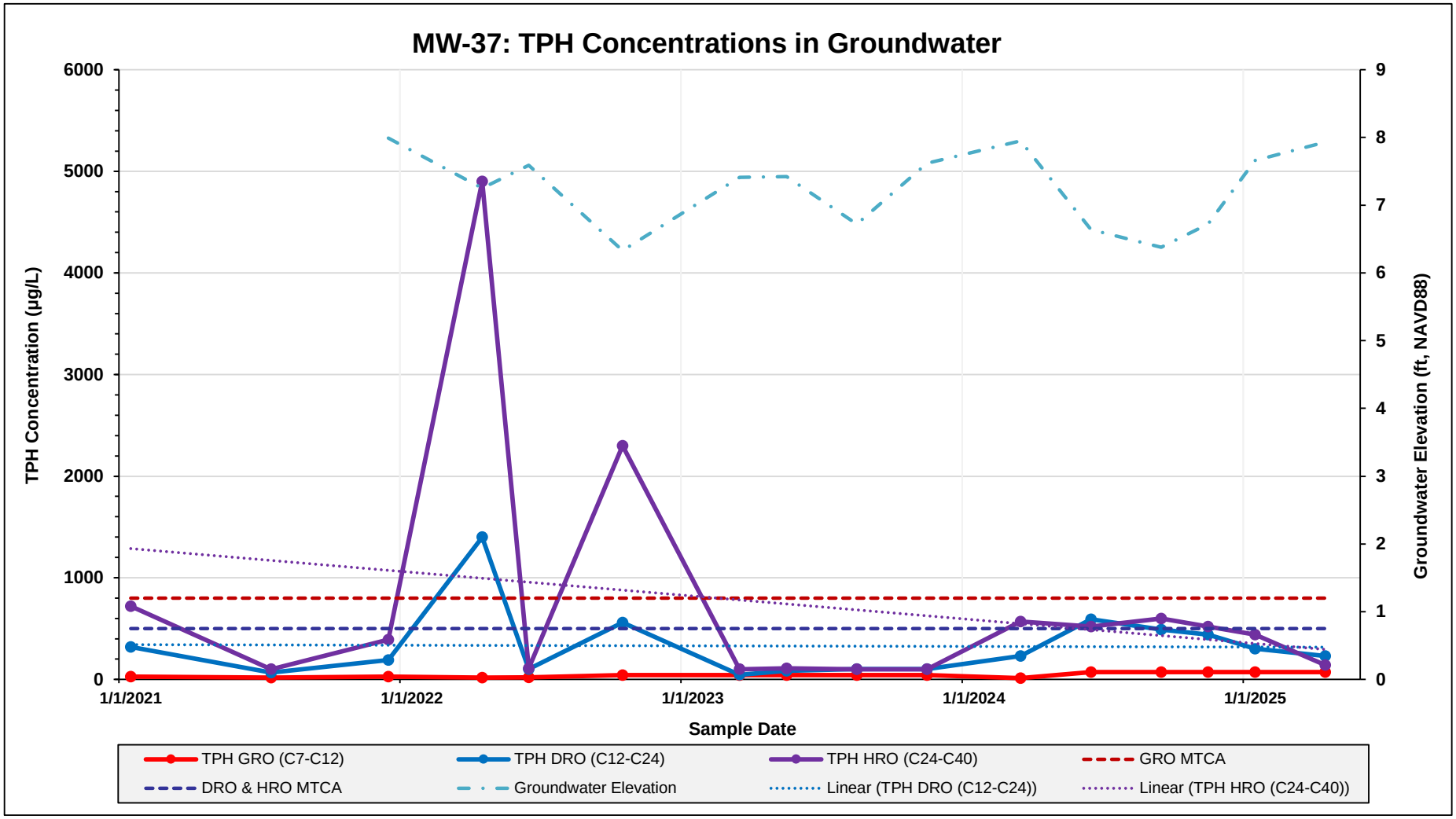

MW-20: LNAPL Thickness
Thickness (ft)
Groundwater Elevation (ft, NAVD88)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
1/12/2016
4/23/2016
6/10/2020
9/19/2020
12/8/2020
11/29/2021
3/13/2023
5/22/2023
8/9/2023
11/13/2023
3/15/2024
6/17/2024
9/3/2024
11/4/2024
1/13/2025
4/7/2025
Gauging Date
LNAPL Thickness
Groundwater Elevation

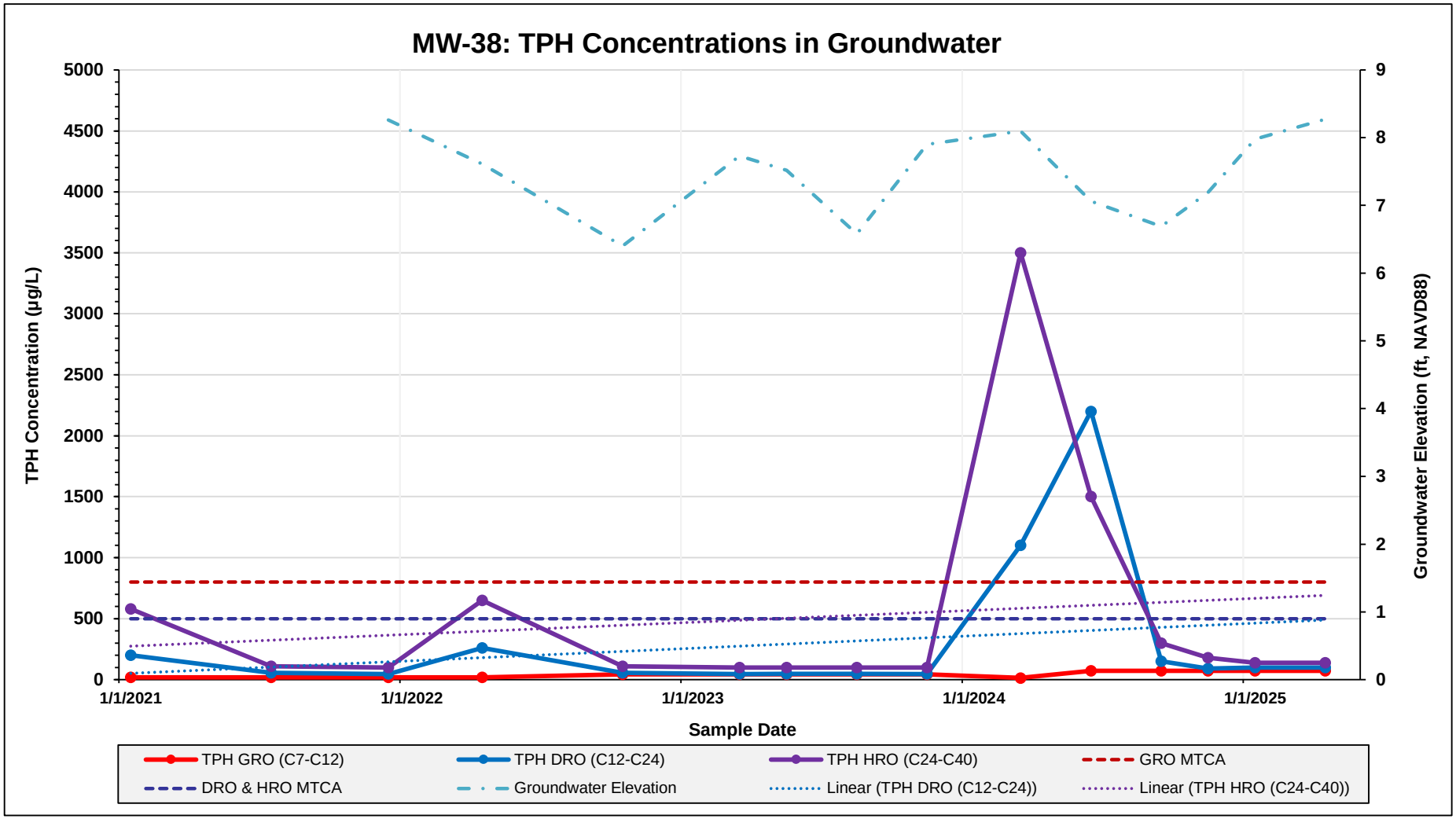

MW-21: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
3000
2500
2000
1500
1000
500
0
14
12
10
8
6
4
2
0
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

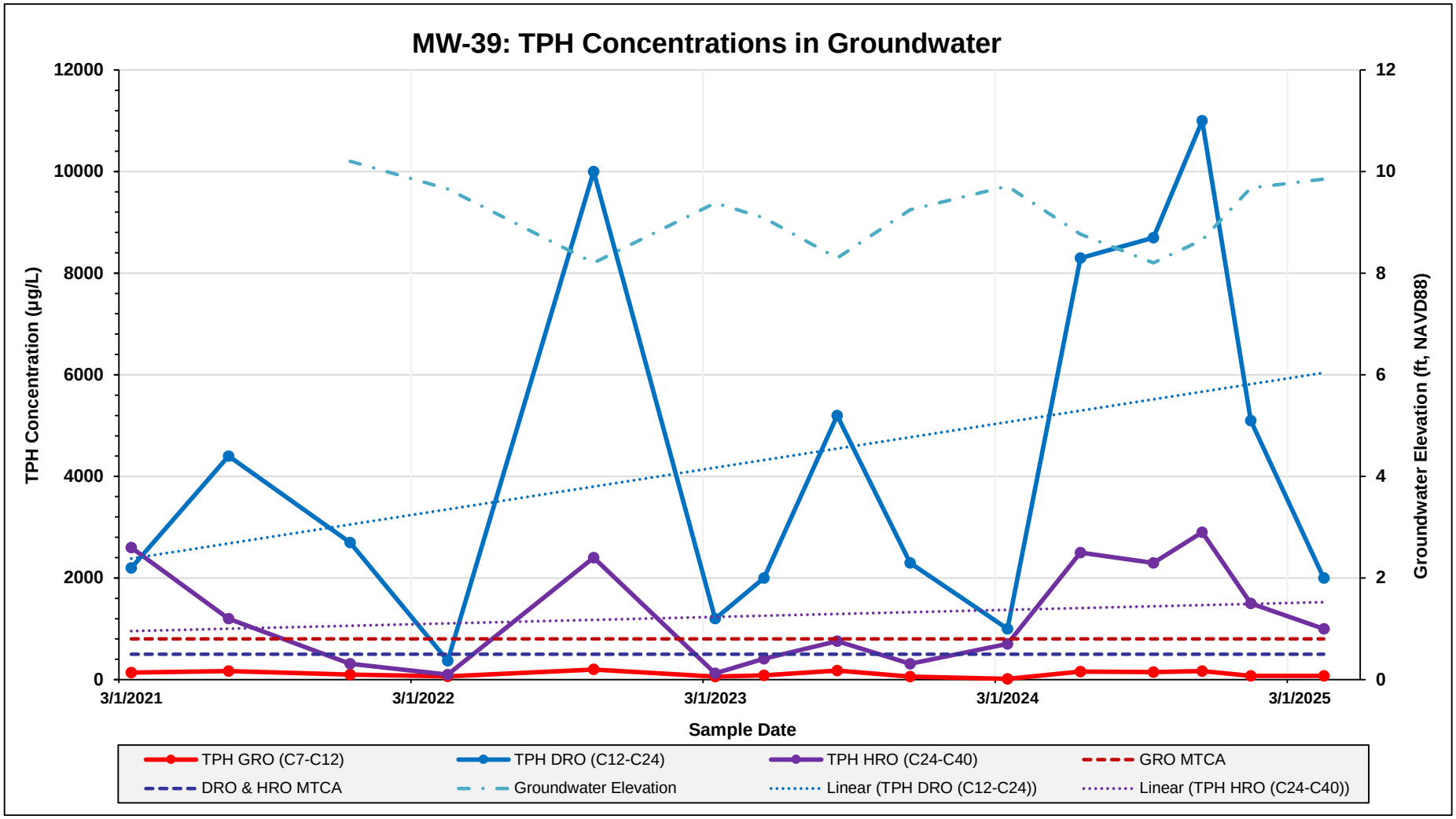

MW-23: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
9
8
7
6
5
4
3
2
1
0
6/1/2020
6/1/2021
6/1/2022
6/1/2023
6/1/2024
Sample Date
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH-HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH-HRO (C24-C40))

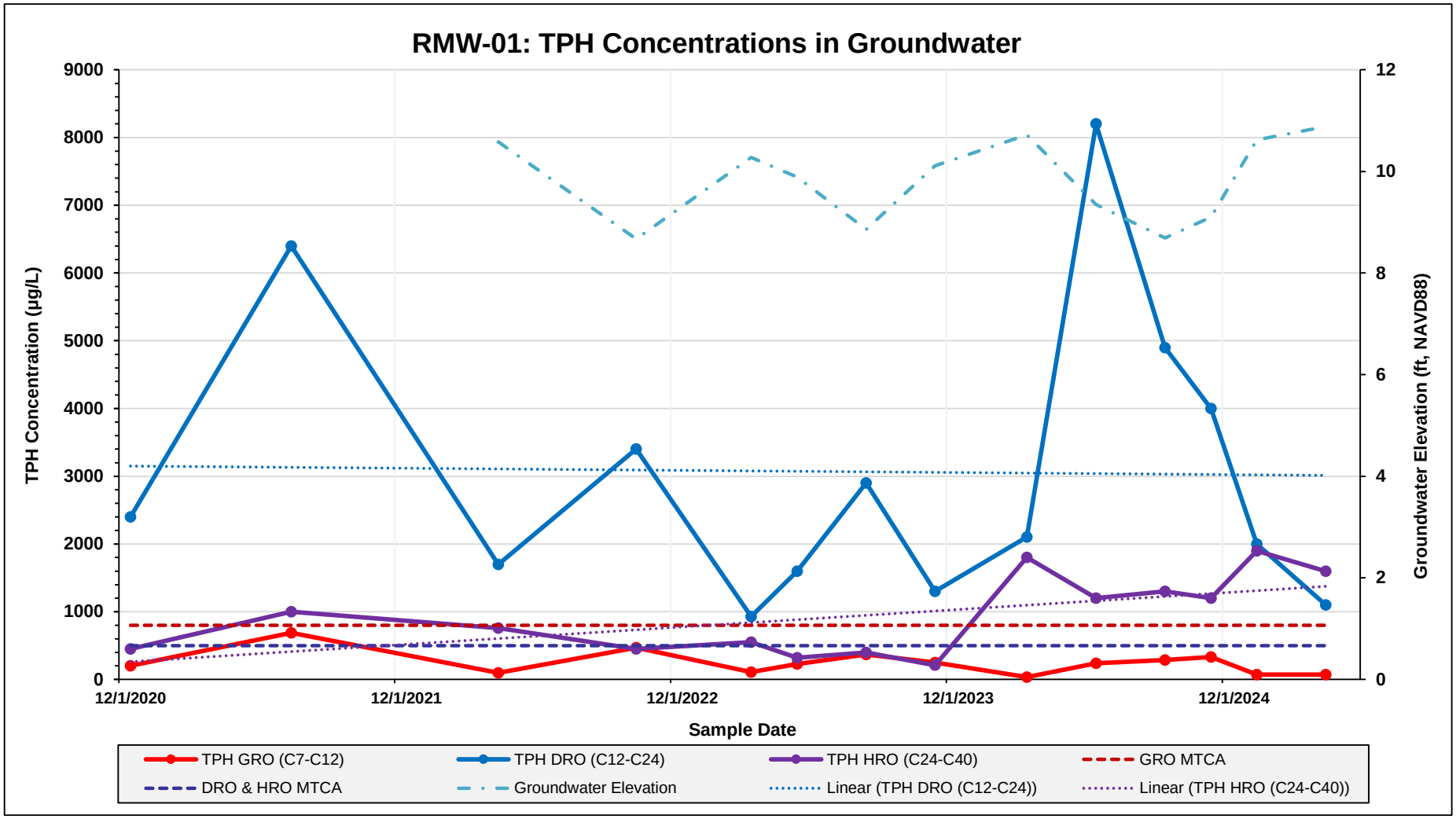

MW-25: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
3500
3000
2500
2000
1500
1000
500
0
12
10
8
6
4
2
0
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH GRO (C7-C12))
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

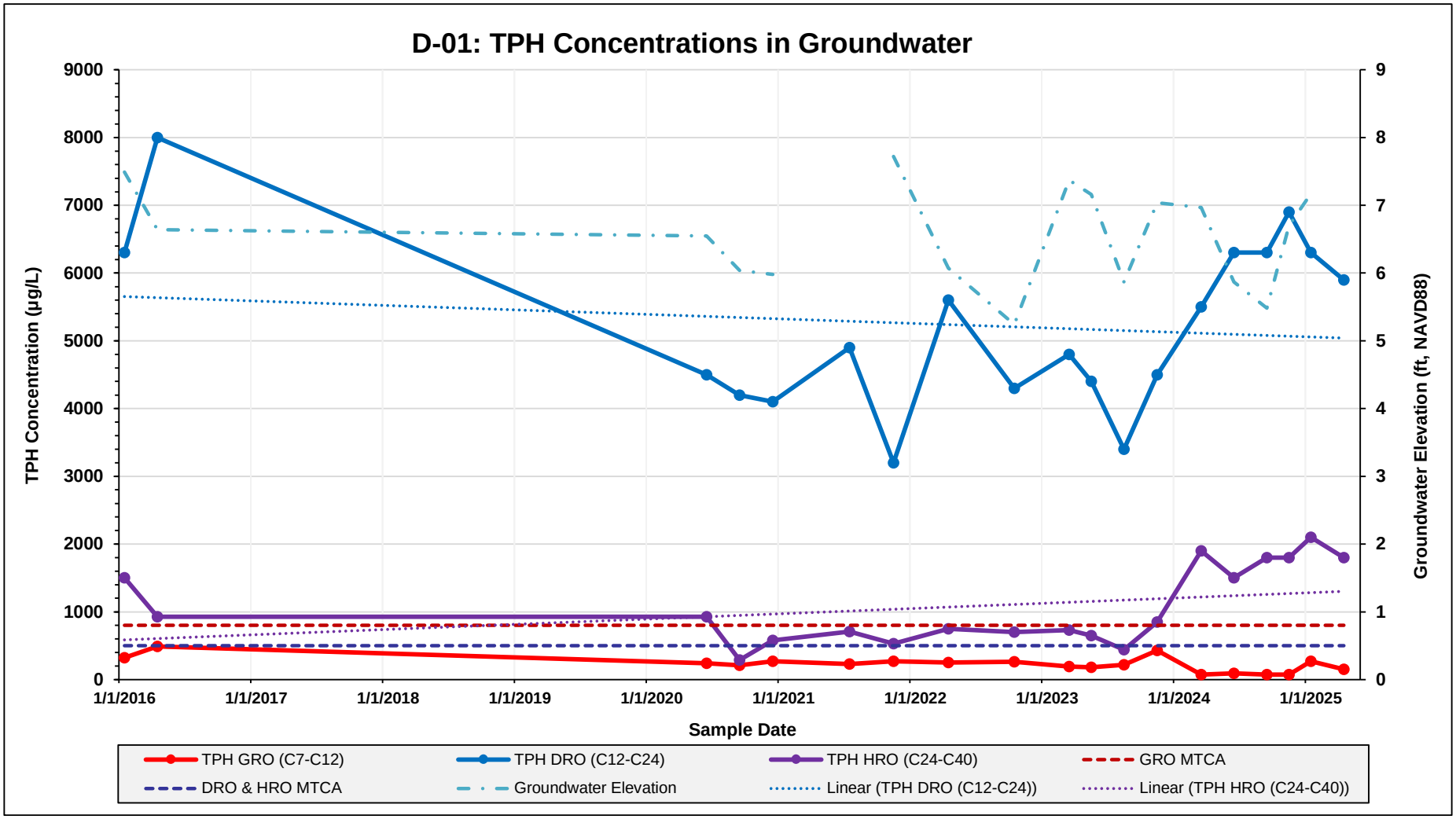

MW-26: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
4500
4000
3500
3000
2500
2000
1500
1000
500
0
12
10
8
6
4
2
0
2/1/2019
2/1/2020
2/1/2021
2/1/2022
2/1/2023
2/1/2024
2/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

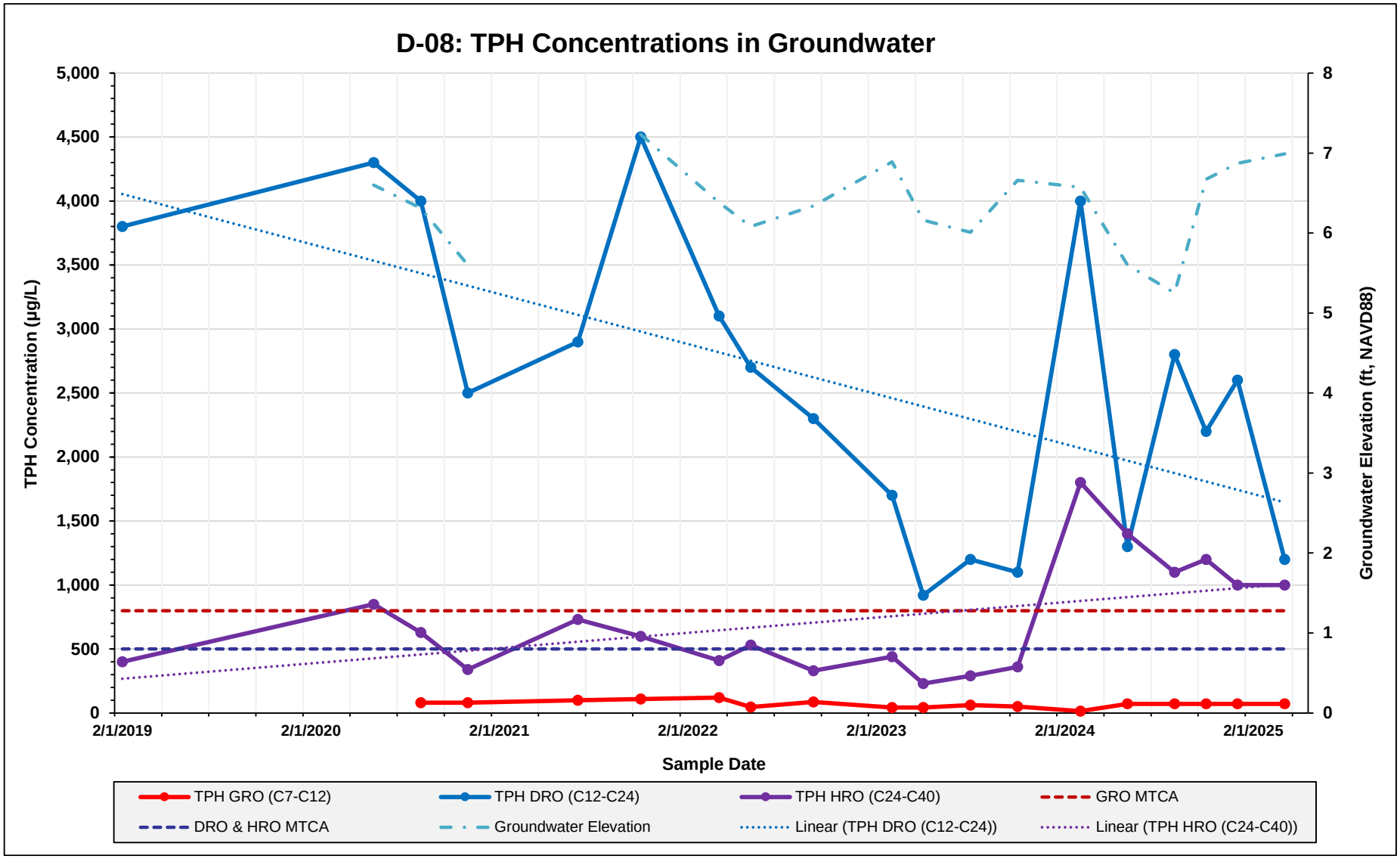

MW-37: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
6000
5000
4000
3000
2000
1000
0
9
8
7
6
5
4
3
2
1
0
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

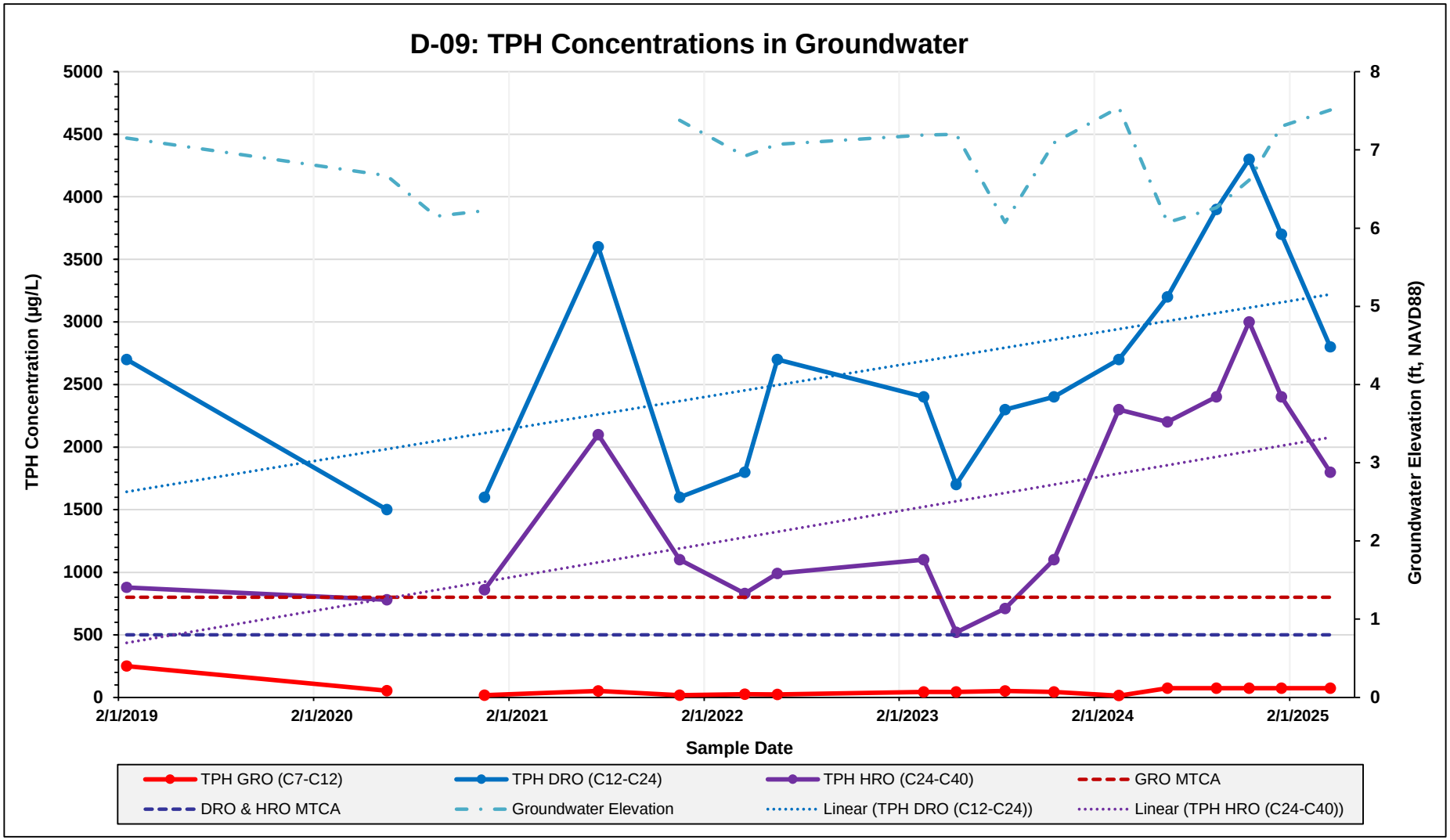

MW-38: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
9
8
7
6
5
4
3
2
1
0
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

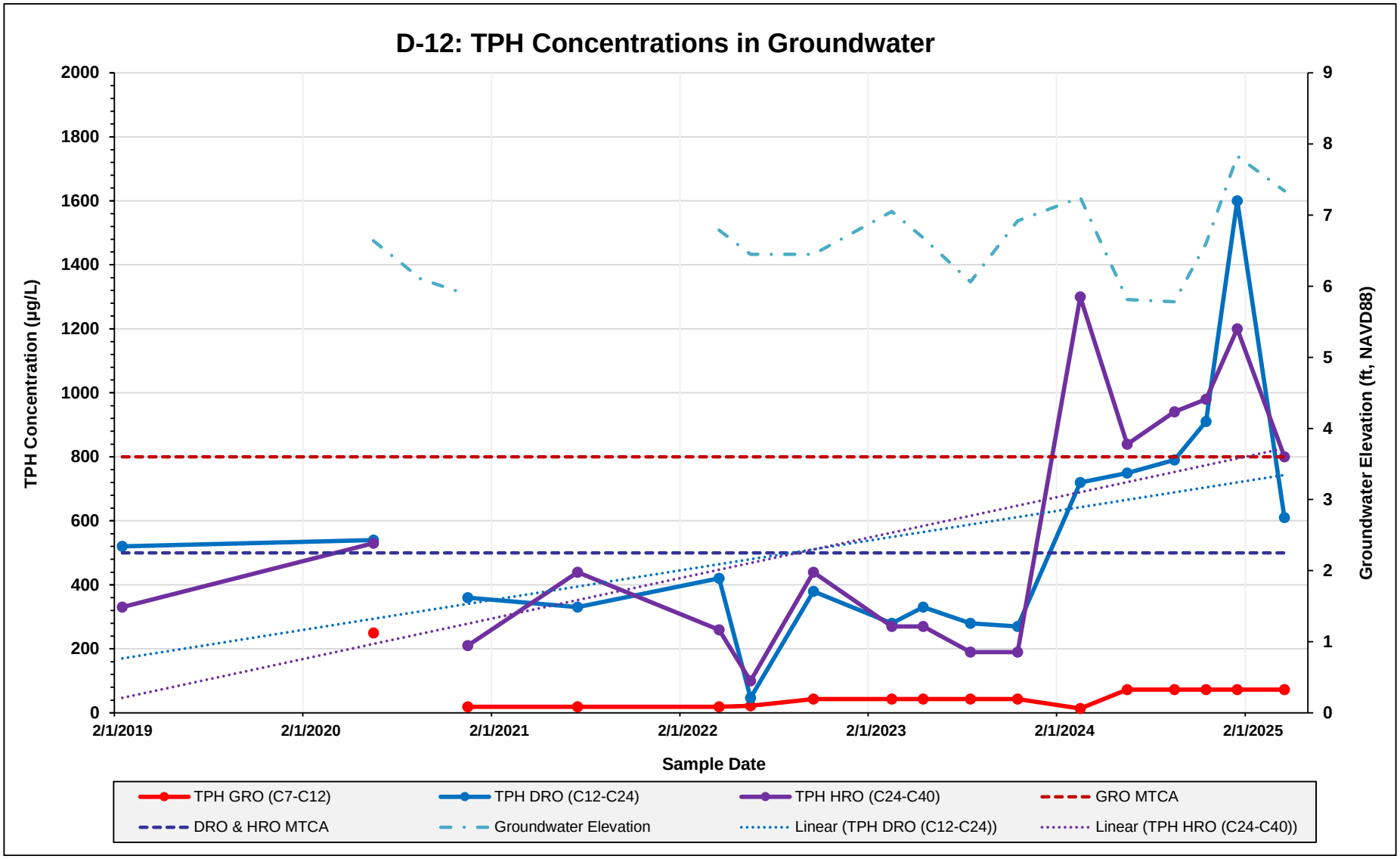

MW-39: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
12000
10000
8000
6000
4000
2000
0
12
10
8
6
4
2
0
3/1/2021
3/1/2022
3/1/2023
3/1/2024
3/1/2025
Sample Date
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

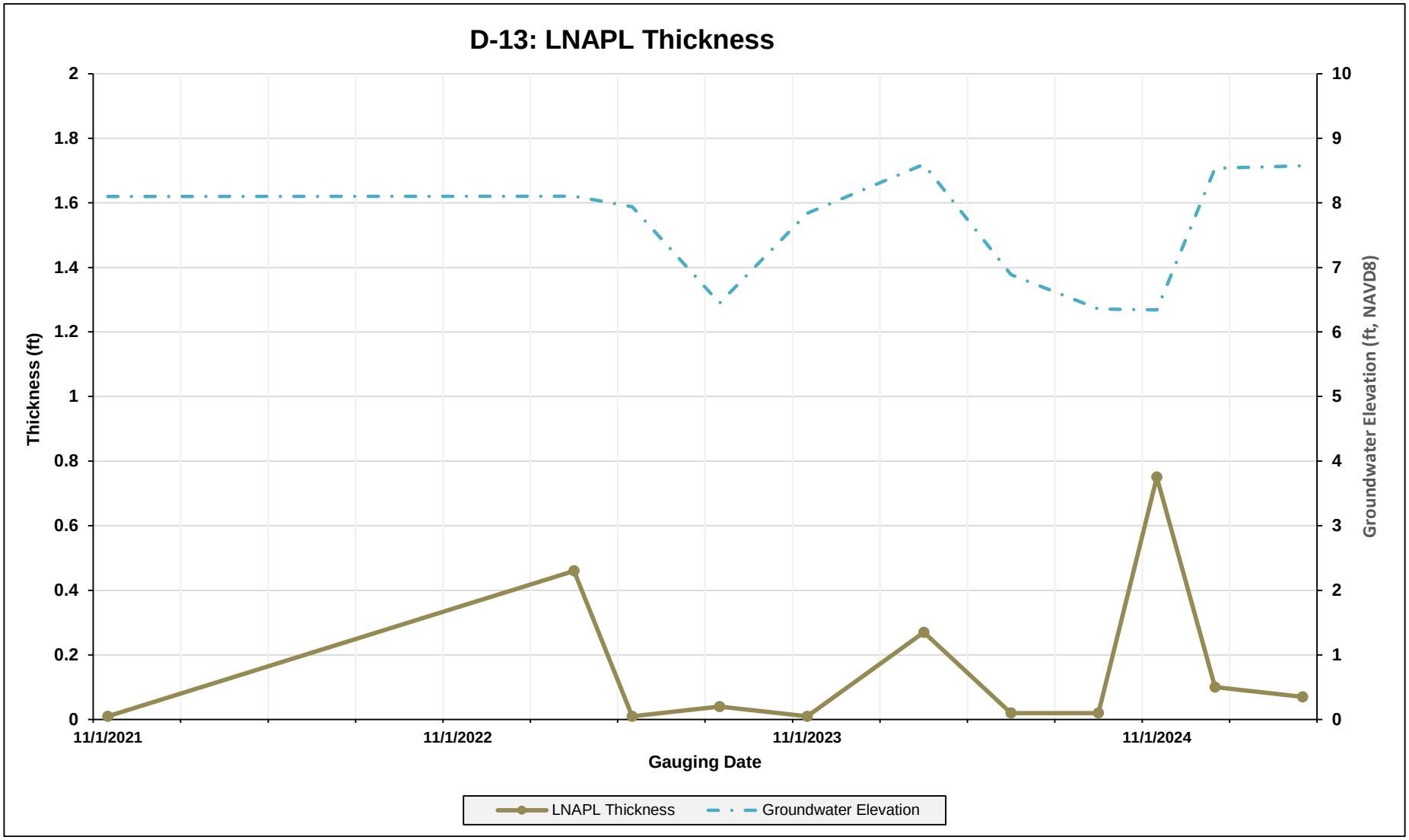

RMW-01: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
12
10
8
6
4
2
0
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

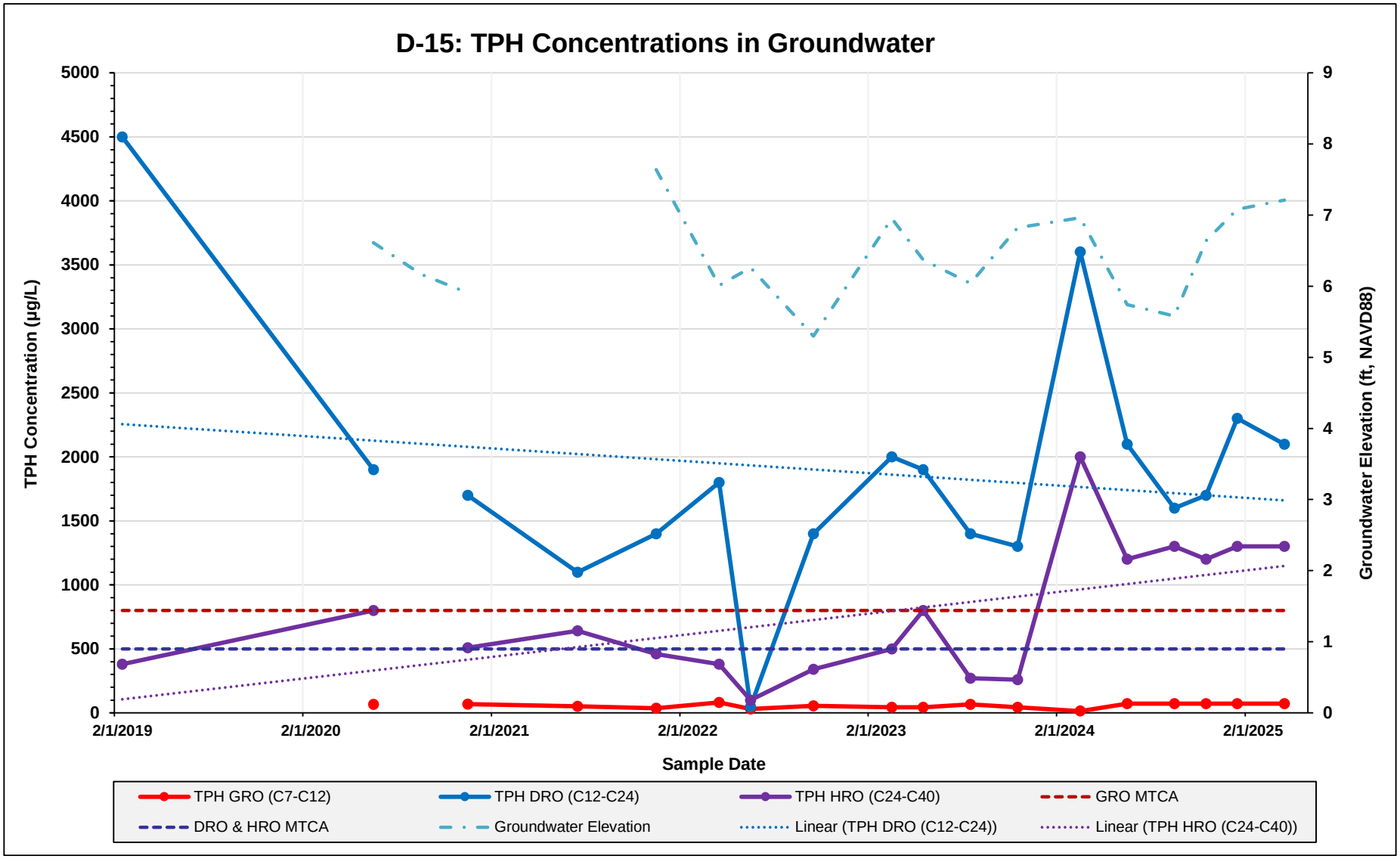

D-01: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
9
8
7
6
5
4
3
2
1
0
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

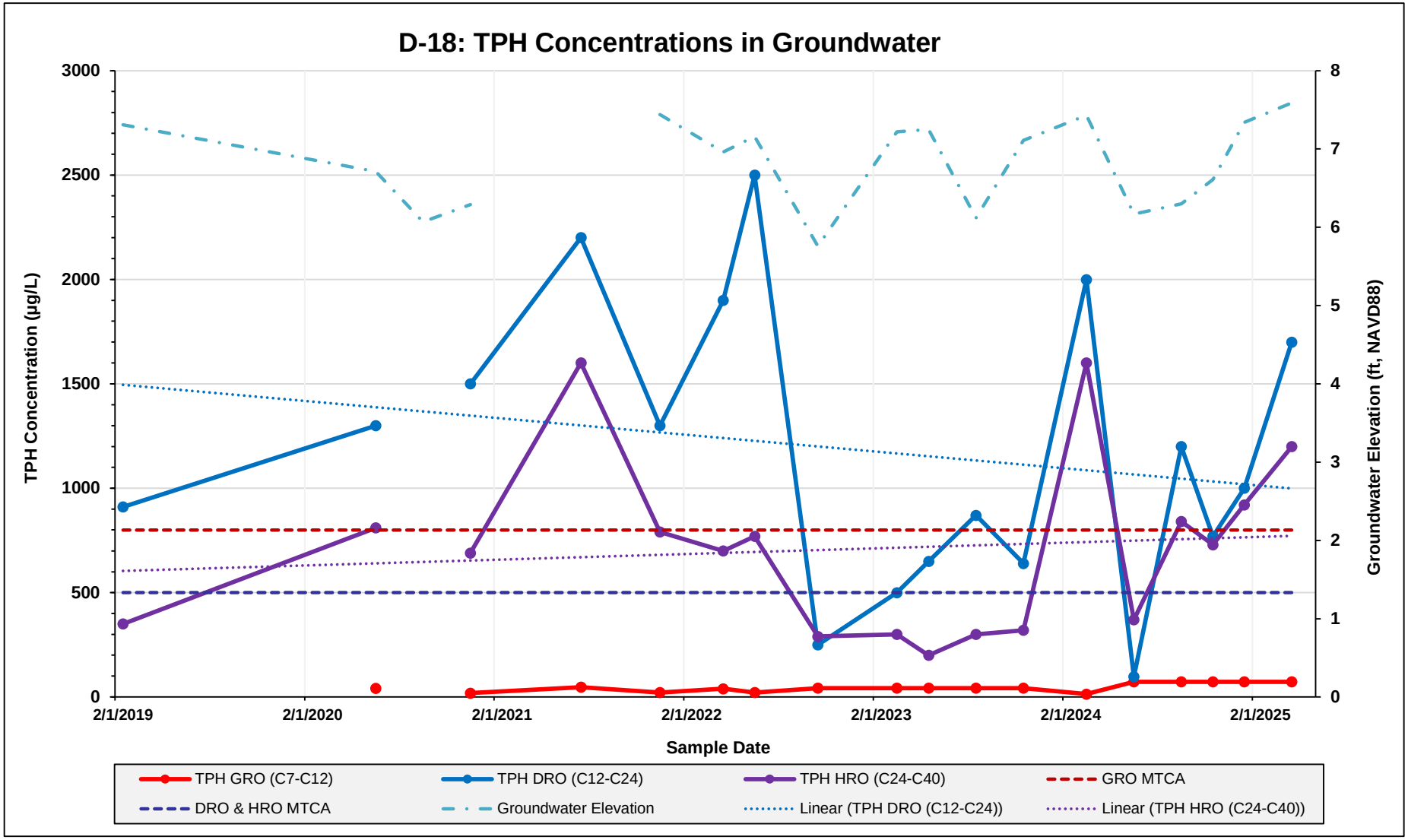

D-08: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
8
7
6
5
4
3
2
1
0
2/1/2019
2/1/2020
2/1/2021
2/1/2022
2/1/2023
2/1/2024
2/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

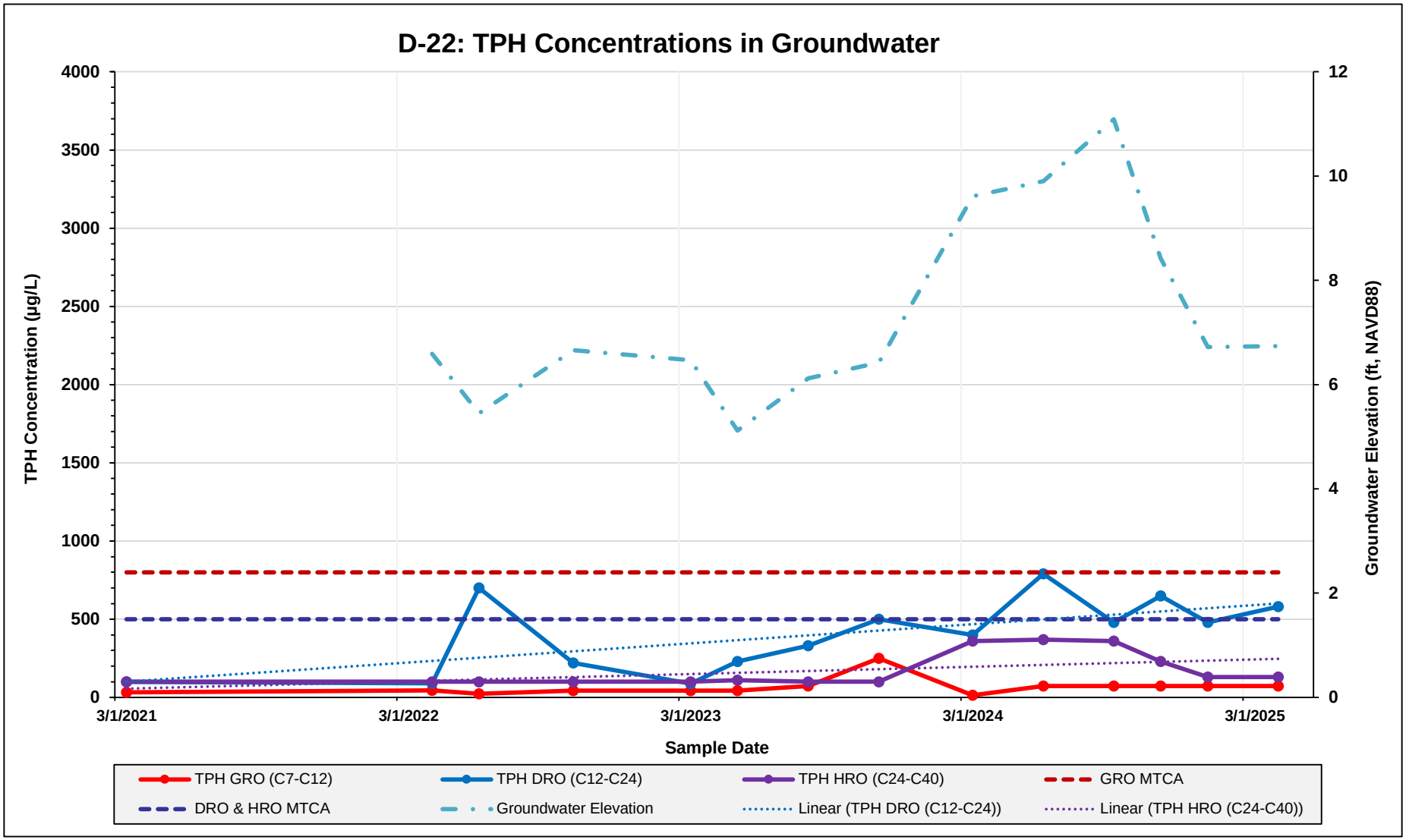

D-09: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
8
7
6
5
4
3
2
1
0
2/1/2019
2/1/2020
2/1/2021
2/1/2022
2/1/2023
2/1/2024
2/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

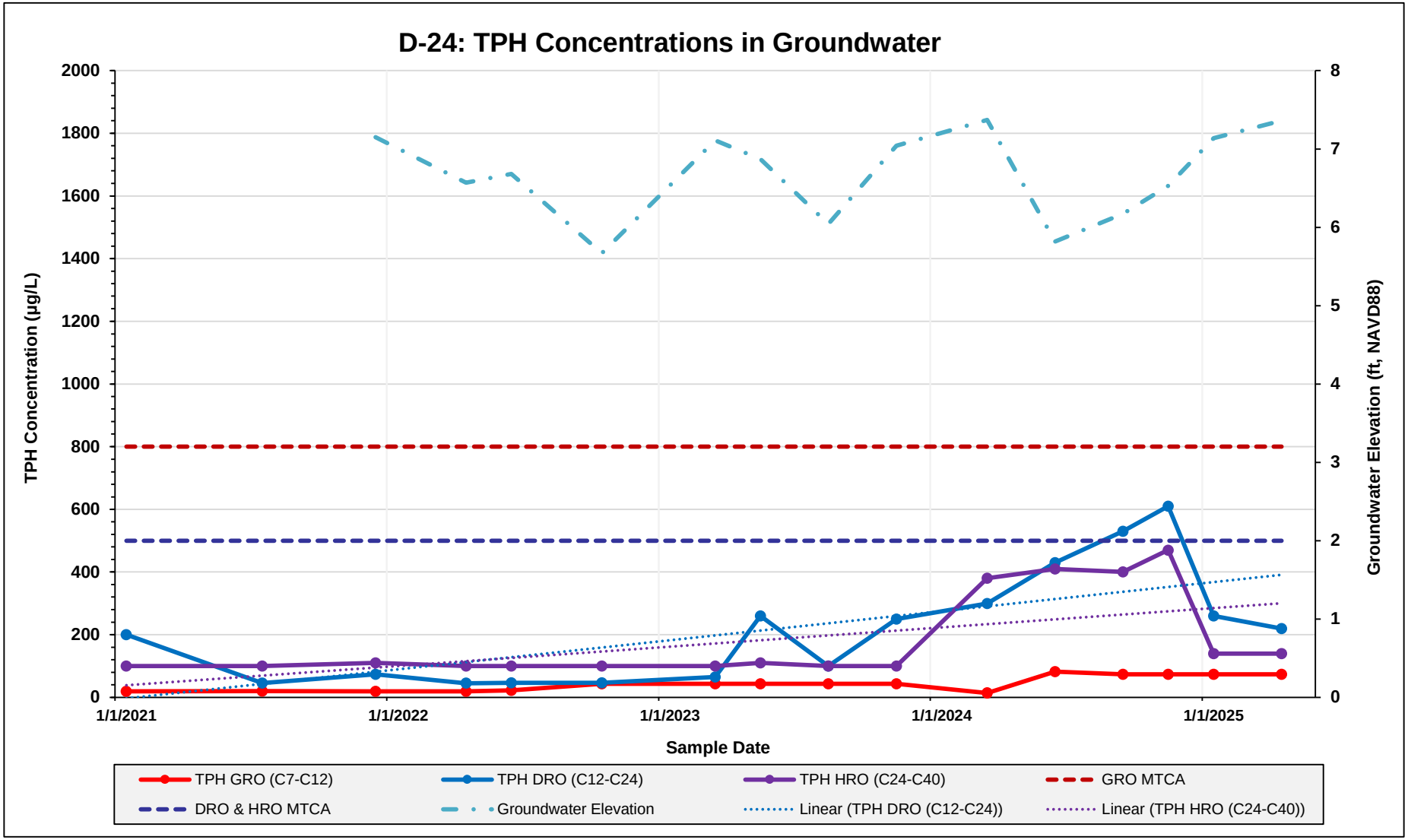

D-12: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
2000
1800
1600
1400
1200
1000
800
600
400
200
0
9
8
7
6
5
4
3
2
1
0
2/1/2019
2/1/2020
2/1/2021
2/1/2022
2/1/2023
2/1/2024
2/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

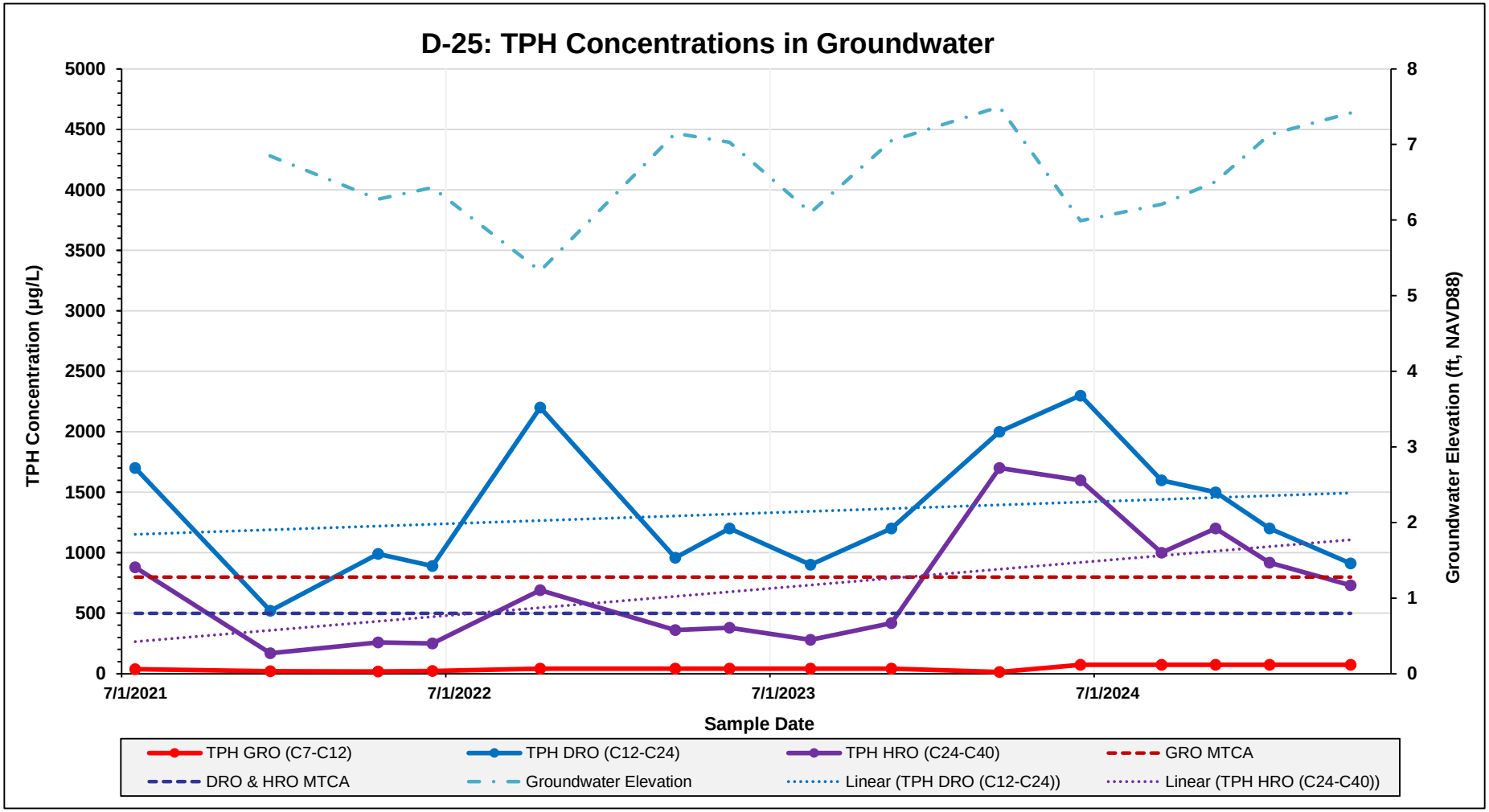

D-13: LNAPL Thickness
Thickness (ft)
Groundwater Elevation (ft, NAVD8)
Gauging Date
11/1/2021
11/1/2022
11/1/2023
11/1/2024
LNAPL Thickness
Groundwater Elevation

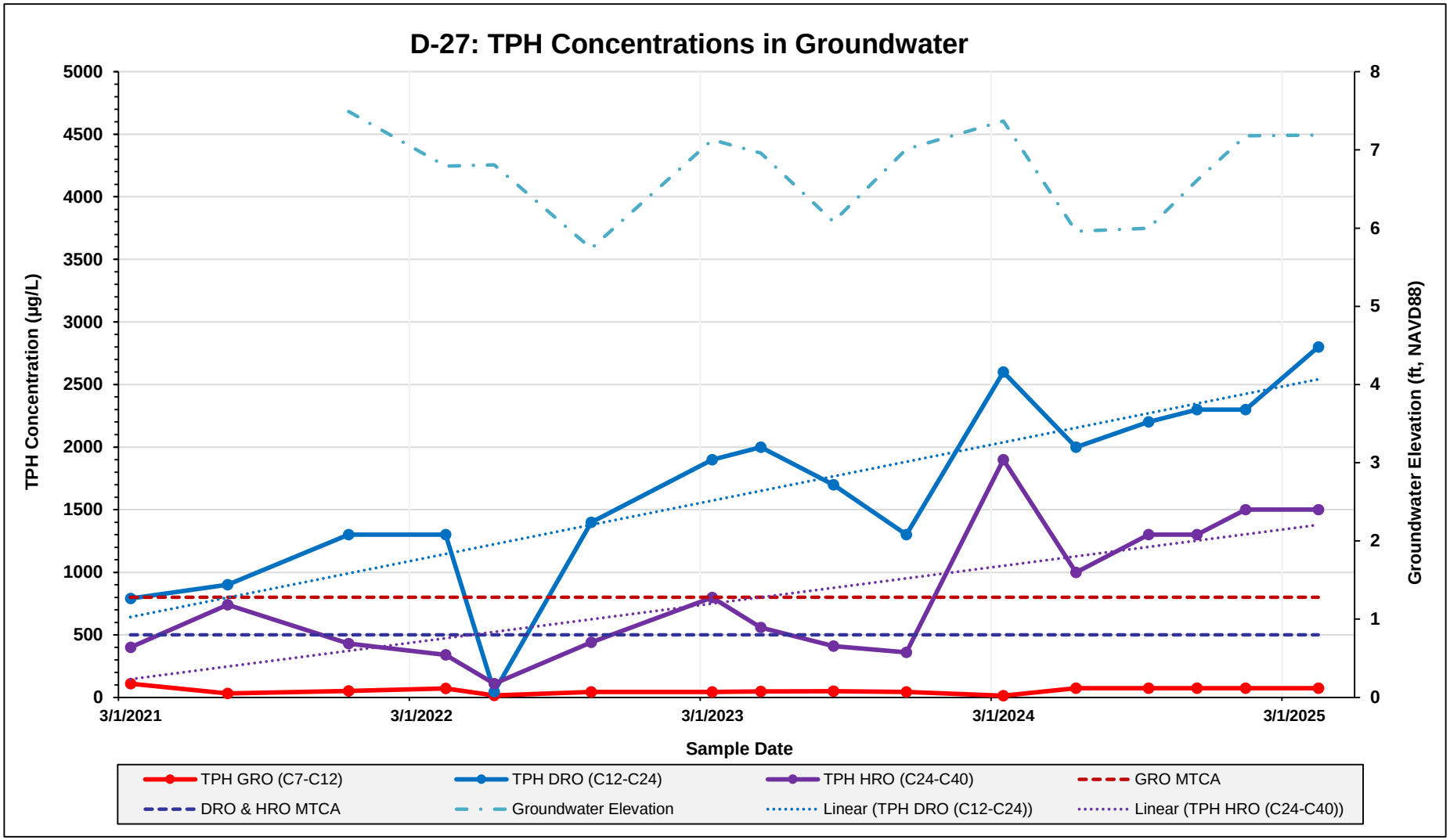

D-15: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
9
8
7
6
5
4
3
2
1
0
2/1/2019
2/1/2020
2/1/2021
2/1/2022
2/1/2023
2/1/2024
2/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))


D-18: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
3000
2500
2000
1500
1000
500
0
8
7
6
5
4
3
2
1
0
2/1/2019
2/1/2020
2/1/2021
2/1/2022
2/1/2023
2/1/2024
2/1/2025
Sample Date
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))


D-22: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
4000
3500
3000
2500
2000
1500
1000
500
0
12
10
8
6
4
2
0
3/1/2021
3/1/2022
3/1/2023
3/1/2024
3/1/2025
Sample Date
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))


D-24: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
2000
1800
1600
1400
1200
1000
800
600
400
200
0
8
7
6
5
4
3
2
1
0
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))


D-25: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
8
7
6
5
4
3
2
1
0
7/1/2021
7/1/2022
7/1/2023
7/1/2024
Sample Date
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))


D-27: TPH Concentrations in Groundwater
TPH Concentration (µg/L)
Groundwater Elevation (ft, NAVD88)
Sample Date
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
8
7
6
5
4
3
2
1
0
3/1/2021
3/1/2022
3/1/2023
3/1/2024
3/1/2025
TPH GRO (C7-C12)
TPH DRO (C12-C24)
TPH HRO (C24-C40)
GRO MTCA
DRO & HRO MTCA
Groundwater Elevation
Linear (TPH DRO (C12-C24))
Linear (TPH HRO (C24-C40))

Appendix C

Laboratory Analytical Reports

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Bradley Wynne
AECOM
13355 Noel Road
Suite 400
Dallas, Texas 75240

Generated 2/20/2025 6:12:46 AM Revision 2

JOB DESCRIPTION

CEMREC Legacy Sites- Tacoma

JOB NUMBER

580-147355-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

Job Notes

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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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Revision 2

Authorized for release by
Rachel Sester, Project Manager I
Rachel.Sester@et.eurofinsus.com
(602)659-7615

Table of Contents

Job Narrative
580-147355-1

REVISION

The report being provided is a revision of the original report sent on 2/3/2025. The report (revision 2) is being revised due to the client needs the data reported to the MDL.

Report revision history
Revision 1 - 2/19/2025 - Reason - Sample IDs need to be updated: 580-147355-25 to MW-34-W-250114 and 580-147355-26 to MW-23-W-250114.

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 1/15/2025 3:53 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.2°C, 4.7°C, 5.1°C, 5.3°C and 5.5°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: The continuing calibration verification (CCV) associated with batch 580-482787 recovered above the upper control limit for Gasoline Range Organics C7-C12. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-37-W-250114 (580-147355-6), D-25-W-250114 (580-147355-7), MW-36-W-250114 (580-147355-8), D-24-W-250114 (580-147355-9), MW-27-W-250114 (580-147355-22), D-11-W-250114 (580-147355-23), D-22-W-250114 (580-147355-24), MW-34-W-250114 (580-147355-25), (CCV 580-482787/22), (CCV 580-482787/32) and (580-147354-D-5).

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

Hydrocarbons
Method NWTPH_Dx: Surrogate recovery for the following sample was outside control limits: D-26-W-250114 (580-147355-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH_Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern is not the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-11-W-250113 (580-147355-1), MW-30-W-250113 (580-147355-2), D-09-W-250113 (580-147355-3), D-26-W-250114 (580-147355-5), MW-37-W-250114 (580-147355-6), MW-10-W-250113 (580-147355-19), D-17-W-250113 (580-147355-20), MW-26-W-250113 (580-147355-21), D-18-W-250113 (580-147355-33) and MW-24-W-250113 (580-147355-34).

Method NWTPH_Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern is not the typical diesel fuel pattern used by the laboratory for quantitative purposes: D-25-W-250114 (580-147355-7), D-24-W-250114 (580-147355-9), MW-27-W-250114 (580-147355-22), D-11-W-250114 (580-147355-23), D-23-W-250114 (580-147355-36), D-10-W-250114 (580-147355-37) and D-08-W-250114 (580-147355-39).

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

Definitions/Glossary

Client: AECOM
Job ID: 580-147355-1
Project/Site: CEMREC Legacy Sites- Tacoma

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-11-W-250113

Date Collected: 01/13/25 12:18
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/17/25 16:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**554**		214	97.3	ug/L		01/17/25 09:28	01/21/25 18:59	1
Motor Oil Range Organics (C24-C40)	**497**		374	139	ug/L		01/17/25 09:28	01/21/25 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*01/17/25 09:28*	*01/21/25 18:59*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-30-W-250113

Date Collected: 01/13/25 13:45
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*		*01/17/25 16:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**6600**		225	102	ug/L		01/17/25 09:28	01/21/25 19:19	1
Motor Oil Range Organics (C24-C40)	**3810**		393	146	ug/L		01/17/25 09:28	01/21/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*50 - 150*	*01/17/25 09:28*	*01/21/25 19:19*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-09-W-250113
Date Collected: 01/13/25 15:00
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/17/25 17:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**3730**		219	99.5	ug/L		01/17/25 09:28	01/21/25 19:39	1
Motor Oil Range Organics (C24-C40)	**2420**		383	142	ug/L		01/17/25 09:28	01/21/25 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*01/17/25 09:28*	*01/21/25 19:39*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-38-W-250114
Date Collected: 01/14/25 09:32
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/17/25 19:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**122**	**J**	221	101	ug/L		01/17/25 09:28	01/21/25 19:59	1
Motor Oil Range Organics (C24-C40)	**224**	**J**	387	144	ug/L		01/17/25 09:28	01/21/25 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*01/17/25 09:28*	*01/21/25 19:59*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-26-W-250114

Date Collected: 01/14/25 10:15
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/17/25 19:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**512**		219	99.5	ug/L		01/17/25 09:28	01/21/25 20:39	1
Motor Oil Range Organics (C24-C40)	**470**		383	142	ug/L		01/17/25 09:28	01/21/25 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*171*	*S1+*	*50 - 150*	*01/17/25 09:28*	*01/21/25 20:39*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-37-W-250114

Date Collected: 01/14/25 11:07
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*01/17/25 16:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**302**		214	97.3	ug/L		01/17/25 09:28	01/21/25 21:38	1
Motor Oil Range Organics (C24-C40)	**437**		374	139	ug/L		01/17/25 09:28	01/21/25 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*01/17/25 09:28*	*01/21/25 21:38*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-25-W-250114
Date Collected: 01/14/25 11:50
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*01/17/25 16:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1160**		184	83.8	ug/L		01/23/25 08:34	01/23/25 23:39	1
Motor Oil Range Organics (C24-C40)	**925**		322	120	ug/L		01/23/25 08:34	01/23/25 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*01/23/25 08:34*	*01/23/25 23:39*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-36-W-250114

Date Collected: 01/14/25 12:55
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*01/17/25 17:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**117**	**J**	215	97.9	ug/L		01/23/25 08:34	01/23/25 23:59	1
Motor Oil Range Organics (C24-C40)	**206**	**J**	377	140	ug/L		01/23/25 08:34	01/23/25 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*01/23/25 08:34*	*01/23/25 23:59*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-24-W-250114

Date Collected: 01/14/25 13:50
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*01/17/25 19:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**255**		215	97.9	ug/L		01/23/25 08:34	01/24/25 00:18	1
Motor Oil Range Organics (C24-C40)	**202**	**J**	377	140	ug/L		01/23/25 08:34	01/24/25 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*01/23/25 08:34*	*01/24/25 00:18*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-28-W-250115

Date Collected: 01/15/25 09:45
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/18/25 07:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**480**		208	94.8	ug/L		01/24/25 08:27	01/30/25 15:32	1
Motor Oil Range Organics (C24-C40)	**916**		365	135	ug/L		01/24/25 08:27	01/30/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*50 - 150*	*01/24/25 08:27*	*01/30/25 15:32*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-16-W-250115

Date Collected: 01/15/25 10:30
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/20/25 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/20/25 20:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**496**		214	97.2	ug/L		01/24/25 08:27	01/30/25 15:52	1
Motor Oil Range Organics (C24-C40)	**994**		374	139	ug/L		01/24/25 08:27	01/30/25 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*50 - 150*	*01/24/25 08:27*	*01/30/25 15:52*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-21-W-250115
Date Collected: 01/15/25 11:52
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/20/25 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/20/25 20:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**655**		219	99.8	ug/L		01/24/25 08:27	01/30/25 16:12	1
Motor Oil Range Organics (C24-C40)	**1350**		384	143	ug/L		01/24/25 08:27	01/30/25 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*01/24/25 08:27*	*01/30/25 16:12*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-06-W-250115
Date Collected: 01/15/25 13:10
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	164		150	73.0	ug/L			01/21/25 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/21/25 22:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	4770		217	98.7	ug/L		01/24/25 08:27	01/30/25 16:32	1
Motor Oil Range Organics (C24-C40)	1230		379	141	ug/L		01/24/25 08:27	01/30/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*01/24/25 08:27*	*01/30/25 16:32*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-18-W-250115
Date Collected: 01/15/25 14:10
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	194		150	73.0	ug/L			01/21/25 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*		*01/21/25 22:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	3530		238	108	ug/L		01/24/25 08:27	01/30/25 16:52	1
Motor Oil Range Organics (C24-C40)	1110		417	155	ug/L		01/24/25 08:27	01/30/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*01/24/25 08:27*	*01/30/25 16:52*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: TB-1-T-250115
Date Collected: 01/15/25 12:00
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/21/25 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*01/21/25 20:29*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: TB-2-T-250115
Date Collected: 01/15/25 12:00
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/21/25 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*01/21/25 20:52*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: TB-3-T-250115
Date Collected: 01/15/25 12:00
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/21/25 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/21/25 20:06*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: TB-4-T-250115
Date Collected: 01/15/25 12:00
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/21/25 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*01/21/25 19:42*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-10-W-250113

Date Collected: 01/13/25 12:27
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*01/17/25 17:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**335**		204	92.9	ug/L		01/17/25 09:28	01/21/25 21:58	1
Motor Oil Range Organics (C24-C40)	**555**		357	133	ug/L		01/17/25 09:28	01/21/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*01/17/25 09:28*	*01/21/25 21:58*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-17-W-250113
Date Collected: 01/13/25 14:12
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*01/17/25 18:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**371**		188	85.6	ug/L		01/17/25 09:28	01/21/25 22:18	1
Motor Oil Range Organics (C24-C40)	**338**		329	122	ug/L		01/17/25 09:28	01/21/25 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*01/17/25 09:28*	*01/21/25 22:18*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-26-W-250113
Date Collected: 01/13/25 15:25
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*01/17/25 18:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**842**		198	90.0	ug/L		01/17/25 09:28	01/21/25 22:38	1
Motor Oil Range Organics (C24-C40)	**709**		346	129	ug/L		01/17/25 09:28	01/21/25 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*01/17/25 09:28*	*01/21/25 22:38*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-27-W-250114
Date Collected: 01/14/25 11:07
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*01/17/25 17:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**648**		203	92.4	ug/L		01/23/25 08:34	01/24/25 00:38	1
Motor Oil Range Organics (C24-C40)	**852**		355	132	ug/L		01/23/25 08:34	01/24/25 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*01/23/25 08:34*	*01/24/25 00:38*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-11-W-250114
Date Collected: 01/14/25 10:02
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-23
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*01/17/25 17:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**632**		199	90.7	ug/L		01/23/25 08:34	01/24/25 00:58	1
Motor Oil Range Organics (C24-C40)	**396**		349	130	ug/L		01/23/25 08:34	01/24/25 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*01/23/25 08:34*	*01/24/25 00:58*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-22-W-250114
Date Collected: 01/14/25 12:20
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-24
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 123*		*01/17/25 18:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**480**		202	92.1	ug/L		01/23/25 08:34	01/24/25 01:18	1
Motor Oil Range Organics (C24-C40)	**280**	**J**	354	132	ug/L		01/23/25 08:34	01/24/25 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*01/23/25 08:34*	*01/24/25 01:18*	*1*

Client: AECOM
Job ID: 580-147355-1
Project/Site: CEMREC Legacy Sites- Tacoma

Client Sample ID: MW-34-W-250114
Lab Sample ID: 580-147355-25
Date Collected: 01/14/25 13:20
Matrix: Water
Date Received: 01/15/25 15:53

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/18/25 01:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	201	U	201	91.5	ug/L		01/23/25 08:34	01/24/25 01:38	1
Motor Oil Range Organics (C24-C40)	352	U	352	131	ug/L		01/23/25 08:34	01/24/25 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*01/23/25 08:34*	*01/24/25 01:38*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-23-W-250114

Date Collected: 01/14/25 14:26
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-26

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/18/25 01:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	200	U	200	90.8	ug/L		01/23/25 08:34	01/24/25 02:57	1
Motor Oil Range Organics (C24-C40)	**188**	**J**	349	130	ug/L		01/23/25 08:34	01/24/25 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*01/23/25 08:34*	*01/24/25 02:57*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-27-W-250115
Date Collected: 01/15/25 09:43
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-27
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*		*01/18/25 03:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2340**		198	90.3	ug/L		01/24/25 08:27	01/30/25 17:12	1
Motor Oil Range Organics (C24-C40)	**1470**		347	129	ug/L		01/24/25 08:27	01/30/25 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*01/24/25 08:27*	*01/30/25 17:12*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-12-W-250115
Date Collected: 01/15/25 10:41
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/18/25 03:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1620**		203	92.5	ug/L		01/24/25 08:27	01/30/25 17:32	1
Motor Oil Range Organics (C24-C40)	**1200**		356	132	ug/L		01/24/25 08:27	01/30/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*01/24/25 08:27*	*01/30/25 17:32*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: RMW-1-W-250115
Date Collected: 01/15/25 11:44
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-29
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*		*01/18/25 04:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1990**		199	90.4	ug/L		01/24/25 08:27	01/30/25 17:53	1
Motor Oil Range Organics (C24-C40)	**1910**		348	129	ug/L		01/24/25 08:27	01/30/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*01/24/25 08:27*	*01/30/25 17:53*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-39-W-250115
Date Collected: 01/15/25 12:44
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-30
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/18/25 04:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**5090**		198	90.2	ug/L		01/24/25 08:27	01/30/25 15:32	1
Motor Oil Range Organics (C24-C40)	**1470**		347	129	ug/L		01/24/25 08:27	01/30/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*01/24/25 08:27*	*01/30/25 15:32*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-15-W-250115
Date Collected: 01/15/25 13:53
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-31
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/18/25 05:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2320**		194	88.4	ug/L		01/24/25 08:27	01/30/25 15:52	1
Motor Oil Range Organics (C24-C40)	**1310**		340	126	ug/L		01/24/25 08:27	01/30/25 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*01/24/25 08:27*	*01/30/25 15:52*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-29-W-250115

Date Collected: 01/15/25 14:50
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-32

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*		*01/18/25 05:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1210**		197	89.6	ug/L		01/24/25 08:27	01/30/25 16:12	1
Motor Oil Range Organics (C24-C40)	**545**		345	128	ug/L		01/24/25 08:27	01/30/25 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*01/24/25 08:27*	*01/30/25 16:12*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-18-W-250113
Date Collected: 01/13/25 13:40
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-33
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/22/25 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*77 - 123*		*01/22/25 00:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1020**		203	92.3	ug/L		01/17/25 09:28	01/21/25 22:57	1
Motor Oil Range Organics (C24-C40)	**922**		355	132	ug/L		01/17/25 09:28	01/21/25 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*01/17/25 09:28*	*01/21/25 22:57*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-24-W-250113
Date Collected: 01/13/25 14:50
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-34
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/17/25 19:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**3200**		211	95.9	ug/L		01/17/25 09:28	01/21/25 23:17	1
Motor Oil Range Organics (C24-C40)	**1330**		369	137	ug/L		01/17/25 09:28	01/21/25 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*01/17/25 09:28*	*01/21/25 23:17*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-33-W-250114
Date Collected: 01/14/25 09:35
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-35
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/18/25 01:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**95.1**	**J**	205	93.5	ug/L		01/23/25 08:34	01/24/25 03:17	1
Motor Oil Range Organics (C24-C40)	**239**	**J**	359	134	ug/L		01/23/25 08:34	01/24/25 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*01/23/25 08:34*	*01/24/25 03:17*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-23-W-250114
Date Collected: 01/14/25 10:25
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-36
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*		*01/18/25 02:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**455**		207	94.1	ug/L		01/23/25 08:34	01/24/25 03:37	1
Motor Oil Range Organics (C24-C40)	**405**		362	134	ug/L		01/23/25 08:34	01/24/25 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*01/23/25 08:34*	*01/24/25 03:37*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-10-W-250114
Date Collected: 01/14/25 11:18
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-37
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*01/18/25 02:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**296**		204	92.9	ug/L		01/23/25 08:34	01/24/25 03:57	1
Motor Oil Range Organics (C24-C40)	**205**	**J**	357	133	ug/L		01/23/25 08:34	01/24/25 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*01/23/25 08:34*	*01/24/25 03:57*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-25-W-250114
Date Collected: 01/14/25 12:40
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-38
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	501		150	73.0	ug/L			01/18/25 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*		*01/18/25 08:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	426		197	89.5	ug/L		01/23/25 08:34	01/24/25 04:16	1
Motor Oil Range Organics (C24-C40)	272	J	344	128	ug/L		01/23/25 08:34	01/24/25 04:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*01/23/25 08:34*	*01/24/25 04:16*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-08-W-250114
Date Collected: 01/14/25 13:45
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-39
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*01/18/25 02:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2550**		194	88.4	ug/L		01/23/25 08:34	01/24/25 04:36	1
Motor Oil Range Organics (C24-C40)	**1020**		340	126	ug/L		01/23/25 08:34	01/24/25 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*01/23/25 08:34*	*01/24/25 04:36*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-22-W-250115
Date Collected: 01/15/25 09:38
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-40
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*01/18/25 06:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2060**		190	86.6	ug/L		01/24/25 08:27	01/30/25 16:32	1
Motor Oil Range Organics (C24-C40)	**2330**		333	124	ug/L		01/24/25 08:27	01/30/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*01/24/25 08:27*	*01/30/25 16:32*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-07-W-250115
Date Collected: 01/15/25 10:25
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-41
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/18/25 06:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**550**		196	89.1	ug/L		01/24/25 08:27	01/30/25 16:52	1
Motor Oil Range Organics (C24-C40)	**514**		343	127	ug/L		01/24/25 08:27	01/30/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*01/24/25 08:27*	*01/30/25 16:52*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: D-14-W-250115

Date Collected: 01/15/25 11:30
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-42

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 06:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*01/18/25 06:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**101**	**J**	204	92.9	ug/L		01/24/25 08:27	01/30/25 17:12	1
Motor Oil Range Organics (C24-C40)	357	U	357	133	ug/L		01/24/25 08:27	01/30/25 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*01/24/25 08:27*	*01/30/25 17:12*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-14-W-250115
Date Collected: 01/15/25 13:10
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-43
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*77 - 123*		*01/18/25 07:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**251**		196	89.3	ug/L		01/24/25 08:27	01/30/25 17:32	1
Motor Oil Range Organics (C24-C40)	**300**	**J**	343	128	ug/L		01/24/25 08:27	01/30/25 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*01/24/25 08:27*	*01/30/25 17:32*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: MW-40-W-250115

Date Collected: 01/15/25 14:20
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-44

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/18/25 07:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**94.2**	**J**	190	86.3	ug/L		01/24/25 08:27	01/30/25 17:53	1
Motor Oil Range Organics (C24-C40)	332	U	332	123	ug/L		01/24/25 08:27	01/30/25 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*01/24/25 08:27*	*01/30/25 17:53*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Client Sample ID: DUP-1-WD-250115

Date Collected: 01/15/25 15:20
Date Received: 01/15/25 15:53

Lab Sample ID: 580-147355-45

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*01/18/25 08:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**105**	**J**	198	89.9	ug/L		01/27/25 09:46	01/28/25 16:28	1
Motor Oil Range Organics (C24-C40)	346	U	346	128	ug/L		01/27/25 09:46	01/28/25 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*50 - 150*	*01/27/25 09:46*	*01/28/25 16:28*	*1*

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

Lab Sample ID: MB 580-482787/11
Matrix: Water
Analysis Batch: 482787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*01/17/25 14:08*	*1*

Lab Sample ID: LCS 580-482787/8
Matrix: Water
Analysis Batch: 482787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics C7-C12	1000	1211		ug/L		121	55 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Lab Sample ID: LCSD 580-482787/9
Matrix: Water
Analysis Batch: 482787

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 Range Organics C7-C12	1000	1176		ug/L		118	55 - 148	3	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Lab Sample ID: MB 580-482792/11
Matrix: Water
Analysis Batch: 482792

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/17/25 14:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/17/25 14:07*	*1*

Lab Sample ID: LCS 580-482792/8
Matrix: Water
Analysis Batch: 482792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics C7-C12	1000	1046		ug/L		105	55 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*

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

Lab Sample ID: LCSD 580-482792/9
Matrix: Water
Analysis Batch: 482792

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 Range Organics C7-C12			1000	1043		ug/L		104	55 - 148	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Lab Sample ID: 580-147355-5 MS
Matrix: Water
Analysis Batch: 482792

Client Sample ID: D-26-W-250114
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics C7-C12	150	U	1000	1059		ug/L		106	55 - 148

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Lab Sample ID: 580-147355-5 MSD
Matrix: Water
Analysis Batch: 482792

Client Sample ID: D-26-W-250114
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics C7-C12	150	U	1000	993.7		ug/L		99	55 - 148	6	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*

Lab Sample ID: MB 580-482851/7
Matrix: Water
Analysis Batch: 482851

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/18/25 00:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*		*01/18/25 00:38*	*1*

Lab Sample ID: LCS 580-482851/4
Matrix: Water
Analysis Batch: 482851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics C7-C12			1000	979.4		ug/L		98	55 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*

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

Lab Sample ID: LCSD 580-482851/5
Matrix: Water
Analysis Batch: 482851

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 Range Organics C7-C12			1000	977.0		ug/L		98	55 - 148	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*

Lab Sample ID: 580-147355-25 MS
Matrix: Water
Analysis Batch: 482851

Client Sample ID: MW-34-W-250114
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics C7-C12	150	U	1000	1063		ug/L		106	55 - 148

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*77 - 123*

Lab Sample ID: 580-147355-25 MSD
Matrix: Water
Analysis Batch: 482851

Client Sample ID: MW-34-W-250114
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics C7-C12	150	U	1000	997.1		ug/L		100	55 - 148	6	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*

Lab Sample ID: MB 580-482909/11
Matrix: Water
Analysis Batch: 482909

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/20/25 14:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/20/25 14:47*	*1*

Lab Sample ID: LCS 580-482909/8
Matrix: Water
Analysis Batch: 482909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics C7-C12			1000	1030		ug/L		103	55 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*

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

Lab Sample ID: LCSD 580-482909/9
Matrix: Water
Analysis Batch: 482909

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 Range Organics C7-C12			1000	1039		ug/L		104	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*

Lab Sample ID: MB 580-483036/10
Matrix: Water
Analysis Batch: 483036

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	150	U	150	73.0	ug/L			01/21/25 19:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 123*		*01/21/25 19:19*	*1*

Lab Sample ID: LCS 580-483036/7
Matrix: Water
Analysis Batch: 483036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics C7-C12			1000	1068		ug/L		107	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*

Lab Sample ID: LCSD 580-483036/8
Matrix: Water
Analysis Batch: 483036

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 Range Organics C7-C12			1000	1008		ug/L		101	55 - 148	6	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*77 - 123*

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

Lab Sample ID: MB 580-482779/1-A
Matrix: Water
Analysis Batch: 483028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 482779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	200	U	200	91.0	ug/L		01/17/25 09:28	01/21/25 17:00	1
Motor Oil Range Organics (C24-C40)	350	U	350	130	ug/L		01/17/25 09:28	01/21/25 17:00	1

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

Lab Sample ID: MB 580-482779/1-A
Matrix: Water
Analysis Batch: 483028

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 482779

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150	01/17/25 09:28	01/21/25 17:00	1

Lab Sample ID: LCS 580-482779/2-A
Matrix: Water
Analysis Batch: 483028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 482779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (>C12-C24)	4000	3392		ug/L		85	50 - 120
Motor Oil Range Organics (C24-C40)	4000	3414		ug/L		85	53 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	89		50 - 150

Lab Sample ID: 580-147355-5 MS
Matrix: Water
Analysis Batch: 483028

Client Sample ID: D-26-W-250114
Prep Type: Total/NA
Prep Batch: 482779

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (>C12-C24)	512		4430	4192		ug/L		83	50 - 120
Motor Oil Range Organics (C24-C40)	470		4430	4219		ug/L		85	63 - 129

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	80		50 - 150

Lab Sample ID: 580-147355-5 MSD
Matrix: Water
Analysis Batch: 483028

Client Sample ID: D-26-W-250114
Prep Type: Total/NA
Prep Batch: 482779

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (>C12-C24)	512		4390	3798		ug/L		75	50 - 120	10	26
Motor Oil Range Organics (C24-C40)	470		4390	3863		ug/L		77	63 - 129	9	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	146		50 - 150

Lab Sample ID: MB 580-483208/1-A
Matrix: Water
Analysis Batch: 483271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 483208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	200	U	200	91.0	ug/L		01/23/25 08:34	01/23/25 22:40	1
Motor Oil Range Organics (C24-C40)	350	U	350	130	ug/L		01/23/25 08:34	01/23/25 22:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	01/23/25 08:34	01/23/25 22:40	1

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

Lab Sample ID: LCS 580-483208/2-A
Matrix: Water
Analysis Batch: 483271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 483208

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (>C12-C24)			4000	3365		ug/L		84	50 - 120		
Motor Oil Range Organics (C24-C40)			4000	3408		ug/L		85	53 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*78*		*50 - 150*

Lab Sample ID: 580-147355-25 MS
Matrix: Water
Analysis Batch: 483271

Client Sample ID: MW-34-W-250114
Prep Type: Total/NA
Prep Batch: 483208

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (>C12-C24)	201	U	4000	3208		ug/L		80	50 - 120		
Motor Oil Range Organics (C24-C40)	352	U	4000	3360		ug/L		84	63 - 129		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*75*		*50 - 150*

Lab Sample ID: 580-147355-25 MSD
Matrix: Water
Analysis Batch: 483271

Client Sample ID: MW-34-W-250114
Prep Type: Total/NA
Prep Batch: 483208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (>C12-C24)	201	U	4020	3100		ug/L		77	50 - 120	3	26
Motor Oil Range Organics (C24-C40)	352	U	4020	3292		ug/L		82	63 - 129	2	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*73*		*50 - 150*

Lab Sample ID: MB 580-483338/1-A
Matrix: Water
Analysis Batch: 483857

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 483338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	91	ug/L		01/24/25 08:27	01/30/25 17:03	1
Motor Oil Range Organics (C24-C40)	ND		350	130	ug/L		01/24/25 08:27	01/30/25 17:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*112*		*50 - 150*	*01/24/25 08:27*	*01/30/25 17:03*	*1*

Lab Sample ID: LCS 580-483338/2-A
Matrix: Water
Analysis Batch: 483857

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 483338

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (>C12-C24)			4000	3560		ug/L		89	50 - 120		

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

Lab Sample ID: LCS 580-483338/2-A
Matrix: Water
Analysis Batch: 483857

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 483338

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Motor Oil Range Organics (C24-C40)			4000	3640		ug/L		91	53 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*89*		*50 - 150*

Lab Sample ID: LCSD 580-483338/3-A
Matrix: Water
Analysis Batch: 483857

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 483338

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (>C12-C24)			4000	3530		ug/L		88	50 - 120	1	26
Motor Oil Range Organics (C24-C40)			4000	3650		ug/L		91	53 - 129	0	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*77*		*50 - 150*

Lab Sample ID: MB 580-483507/1-A
Matrix: Water
Analysis Batch: 483615

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 483507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	200	U	200	91.0	ug/L		01/27/25 09:46	01/28/25 13:26	1
Motor Oil Range Organics (C24-C40)	133.6	J	350	130	ug/L		01/27/25 09:46	01/28/25 13:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*01/27/25 09:46*	*01/28/25 13:26*	*1*

Lab Sample ID: LCS 580-483507/2-A
Matrix: Water
Analysis Batch: 483615

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 483507

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (>C12-C24)			4000	3092		ug/L		77	50 - 120		
Motor Oil Range Organics (C24-C40)			4000	3037		ug/L		76	53 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*78*		*50 - 150*

Lab Chronicle

Client: AECOM
Job ID: 580-147355-1
Project/Site: CEMREC Legacy Sites- Tacoma

Client Sample ID: MW-11-W-250113
Lab Sample ID: 580-147355-1
Date Collected: 01/13/25 12:18
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 16:30
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 18:59

Client Sample ID: MW-30-W-250113
Lab Sample ID: 580-147355-2
Date Collected: 01/13/25 13:45
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 16:53
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 19:19

Client Sample ID: D-09-W-250113
Lab Sample ID: 580-147355-3
Date Collected: 01/13/25 15:00
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 17:16
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 19:39

Client Sample ID: MW-38-W-250114
Lab Sample ID: 580-147355-4
Date Collected: 01/14/25 09:32
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 19:13
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 19:59

Client Sample ID: D-26-W-250114
Lab Sample ID: 580-147355-5
Date Collected: 01/14/25 10:15
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 19:36
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 20:39

Client Sample ID: MW-37-W-250114
Lab Sample ID: 580-147355-6
Date Collected: 01/14/25 11:07
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482787	TL1	EET SEA	01/17/25 16:27

Client Sample ID: MW-37-W-250114
Lab Sample ID: 580-147355-6
Date Collected: 01/14/25 11:07
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 21:38

Client Sample ID: D-25-W-250114
Lab Sample ID: 580-147355-7
Date Collected: 01/14/25 11:50
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482787	TL1	EET SEA	01/17/25 16:50
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/23/25 23:39

Client Sample ID: MW-36-W-250114
Lab Sample ID: 580-147355-8
Date Collected: 01/14/25 12:55
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482787	TL1	EET SEA	01/17/25 17:13
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/23/25 23:59

Client Sample ID: D-24-W-250114
Lab Sample ID: 580-147355-9
Date Collected: 01/14/25 13:50
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482787	TL1	EET SEA	01/17/25 19:31
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 00:18

Client Sample ID: MW-28-W-250115
Lab Sample ID: 580-147355-10
Date Collected: 01/15/25 09:45
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 07:59
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483860	TL1	EET SEA	01/30/25 15:32

Client Sample ID: D-16-W-250115
Lab Sample ID: 580-147355-11
Date Collected: 01/15/25 10:30
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482909	K1K	EET SEA	01/20/25 20:12

Lab Chronicle

Client: AECOM
Job ID: 580-147355-1
Project/Site: CEMREC Legacy Sites- Tacoma

Client Sample ID: D-16-W-250115
Lab Sample ID: 580-147355-11
Date Collected: 01/15/25 10:30
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483860	TL1	EET SEA	01/30/25 15:52

Client Sample ID: MW-21-W-250115
Lab Sample ID: 580-147355-12
Date Collected: 01/15/25 11:52
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482909	K1K	EET SEA	01/20/25 20:35
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483860	TL1	EET SEA	01/30/25 16:12

Client Sample ID: D-06-W-250115
Lab Sample ID: 580-147355-13
Date Collected: 01/15/25 13:10
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	483036	AA	EET SEA	01/21/25 22:48
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483860	TL1	EET SEA	01/30/25 16:32

Client Sample ID: MW-18-W-250115
Lab Sample ID: 580-147355-14
Date Collected: 01/15/25 14:10
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	483036	AA	EET SEA	01/21/25 22:25
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483860	TL1	EET SEA	01/30/25 16:52

Client Sample ID: TB-1-T-250115
Lab Sample ID: 580-147355-15
Date Collected: 01/15/25 12:00
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	483036	AA	EET SEA	01/21/25 20:29

Client Sample ID: TB-2-T-250115
Lab Sample ID: 580-147355-16
Date Collected: 01/15/25 12:00
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	483036	AA	EET SEA	01/21/25 20:52

Lab Chronicle

Client: AECOM
Job ID: 580-147355-1
Project/Site: CEMREC Legacy Sites- Tacoma

Client Sample ID: TB-3-T-250115
Lab Sample ID: 580-147355-17
Date Collected: 01/15/25 12:00
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	483036	AA	EET SEA	01/21/25 20:06

Client Sample ID: TB-4-T-250115
Lab Sample ID: 580-147355-18
Date Collected: 01/15/25 12:00
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	483036	AA	EET SEA	01/21/25 19:42

Client Sample ID: MW-10-W-250113
Lab Sample ID: 580-147355-19
Date Collected: 01/13/25 12:27
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 17:40
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 21:58

Client Sample ID: D-17-W-250113
Lab Sample ID: 580-147355-20
Date Collected: 01/13/25 14:12
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 18:03
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 22:18

Client Sample ID: MW-26-W-250113
Lab Sample ID: 580-147355-21
Date Collected: 01/13/25 15:25
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 18:49
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 22:38

Client Sample ID: MW-27-W-250114
Lab Sample ID: 580-147355-22
Date Collected: 01/14/25 11:07
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482787	TL1	EET SEA	01/17/25 17:36
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 00:38

Client Sample ID: D-11-W-250114
Lab Sample ID: 580-147355-23
Date Collected: 01/14/25 10:02
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482787	TL1	EET SEA	01/17/25 17:59
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 00:58

Client Sample ID: D-22-W-250114
Lab Sample ID: 580-147355-24
Date Collected: 01/14/25 12:20
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482787	TL1	EET SEA	01/17/25 18:45
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 01:18

Client Sample ID: MW-34-W-250114
Lab Sample ID: 580-147355-25
Date Collected: 01/14/25 13:20
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 01:01
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 01:38

Client Sample ID: MW-23-W-250114
Lab Sample ID: 580-147355-26
Date Collected: 01/14/25 14:26
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 01:24
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 02:57

Client Sample ID: D-27-W-250115
Lab Sample ID: 580-147355-27
Date Collected: 01/15/25 09:43
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 03:21
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483860	TL1	EET SEA	01/30/25 17:12

Client Sample ID: D-12-W-250115
Lab Sample ID: 580-147355-28
Date Collected: 01/15/25 10:41
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 03:44

Client Sample ID: D-12-W-250115
Lab Sample ID: 580-147355-28
Date Collected: 01/15/25 10:41
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483860	TL1	EET SEA	01/30/25 17:32

Client Sample ID: RMW-1-W-250115
Lab Sample ID: 580-147355-29
Date Collected: 01/15/25 11:44
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 04:07
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483860	TL1	EET SEA	01/30/25 17:53

Client Sample ID: MW-39-W-250115
Lab Sample ID: 580-147355-30
Date Collected: 01/15/25 12:44
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 04:30
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483863	TL1	EET SEA	01/30/25 15:32

Client Sample ID: D-15-W-250115
Lab Sample ID: 580-147355-31
Date Collected: 01/15/25 13:53
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 05:17
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483863	TL1	EET SEA	01/30/25 15:52

Client Sample ID: MW-29-W-250115
Lab Sample ID: 580-147355-32
Date Collected: 01/15/25 14:50
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 05:40
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483863	TL1	EET SEA	01/30/25 16:12

Client Sample ID: D-18-W-250113
Lab Sample ID: 580-147355-33
Date Collected: 01/13/25 13:40
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	483036	AA	EET SEA	01/22/25 00:21

Client Sample ID: D-18-W-250113
Lab Sample ID: 580-147355-33
Date Collected: 01/13/25 13:40
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 22:57

Client Sample ID: MW-24-W-250113
Lab Sample ID: 580-147355-34
Date Collected: 01/13/25 14:50
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482792	K1K	EET SEA	01/17/25 19:59
Total/NA	Prep	3510C			482779	EM	EET SEA	01/17/25 09:28
Total/NA	Analysis	NWTPH-Dx		1	483028	SW	EET SEA	01/21/25 23:17

Client Sample ID: MW-33-W-250114
Lab Sample ID: 580-147355-35
Date Collected: 01/14/25 09:35
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 01:48
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 03:17

Client Sample ID: D-23-W-250114
Lab Sample ID: 580-147355-36
Date Collected: 01/14/25 10:25
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 02:11
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 03:37

Client Sample ID: D-10-W-250114
Lab Sample ID: 580-147355-37
Date Collected: 01/14/25 11:18
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 02:34
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 03:57

Client Sample ID: MW-25-W-250114
Lab Sample ID: 580-147355-38
Date Collected: 01/14/25 12:40
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 08:46

Client Sample ID: MW-25-W-250114
Lab Sample ID: 580-147355-38
Date Collected: 01/14/25 12:40
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 04:16

Client Sample ID: D-08-W-250114
Lab Sample ID: 580-147355-39
Date Collected: 01/14/25 13:45
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 02:57
Total/NA	Prep	3510C			483208	EM	EET SEA	01/23/25 08:34
Total/NA	Analysis	NWTPH-Dx		1	483271	SW	EET SEA	01/24/25 04:36

Client Sample ID: MW-22-W-250115
Lab Sample ID: 580-147355-40
Date Collected: 01/15/25 09:38
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 06:03
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483863	TL1	EET SEA	01/30/25 16:32

Client Sample ID: D-07-W-250115
Lab Sample ID: 580-147355-41
Date Collected: 01/15/25 10:25
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 06:26
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483863	TL1	EET SEA	01/30/25 16:52

Client Sample ID: D-14-W-250115
Lab Sample ID: 580-147355-42
Date Collected: 01/15/25 11:30
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 06:50
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483863	TL1	EET SEA	01/30/25 17:12

Client Sample ID: MW-14-W-250115
Lab Sample ID: 580-147355-43
Date Collected: 01/15/25 13:10
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 07:13

Lab Chronicle

Client: AECOM
Job ID: 580-147355-1
Project/Site: CEMREC Legacy Sites- Tacoma

Client Sample ID: MW-14-W-250115
Lab Sample ID: 580-147355-43
Date Collected: 01/15/25 13:10
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483863	TL1	EET SEA	01/30/25 17:32

Client Sample ID: MW-40-W-250115
Lab Sample ID: 580-147355-44
Date Collected: 01/15/25 14:20
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 07:36
Total/NA	Prep	3510C			483338	EM	EET SEA	01/24/25 08:27
Total/NA	Analysis	NWTPH-Dx		1	483863	TL1	EET SEA	01/30/25 17:53

Client Sample ID: DUP-1-WD-250115
Lab Sample ID: 580-147355-45
Date Collected: 01/15/25 15:20
Matrix: Water
Date Received: 01/15/25 15:53

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	482851	TL1	EET SEA	01/18/25 08:23
Total/NA	Prep	3510C			483507	EM	EET SEA	01/27/25 09:46
Total/NA	Analysis	NWTPH-Dx		1	483615	CB	EET SEA	01/28/25 16:28

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: AECOM
Job ID: 580-147355-1
Project/Site: CEMREC Legacy Sites- Tacoma

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4167	07-07-25

Sample Summary

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma

Job ID: 580-147355-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-147355-1	MW-11-W-250113	Water	01/13/25 12:18	01/15/25 15:53
580-147355-2	MW-30-W-250113	Water	01/13/25 13:45	01/15/25 15:53
580-147355-3	D-09-W-250113	Water	01/13/25 15:00	01/15/25 15:53
580-147355-4	MW-38-W-250114	Water	01/14/25 09:32	01/15/25 15:53
580-147355-5	D-26-W-250114	Water	01/14/25 10:15	01/15/25 15:53
580-147355-6	MW-37-W-250114	Water	01/14/25 11:07	01/15/25 15:53
580-147355-7	D-25-W-250114	Water	01/14/25 11:50	01/15/25 15:53
580-147355-8	MW-36-W-250114	Water	01/14/25 12:55	01/15/25 15:53
580-147355-9	D-24-W-250114	Water	01/14/25 13:50	01/15/25 15:53
580-147355-10	MW-28-W-250115	Water	01/15/25 09:45	01/15/25 15:53
580-147355-11	D-16-W-250115	Water	01/15/25 10:30	01/15/25 15:53
580-147355-12	MW-21-W-250115	Water	01/15/25 11:52	01/15/25 15:53
580-147355-13	D-06-W-250115	Water	01/15/25 13:10	01/15/25 15:53
580-147355-14	MW-18-W-250115	Water	01/15/25 14:10	01/15/25 15:53
580-147355-15	TB-1-T-250115	Water	01/15/25 12:00	01/15/25 15:53
580-147355-16	TB-2-T-250115	Water	01/15/25 12:00	01/15/25 15:53
580-147355-17	TB-3-T-250115	Water	01/15/25 12:00	01/15/25 15:53
580-147355-18	TB-4-T-250115	Water	01/15/25 12:00	01/15/25 15:53
580-147355-19	MW-10-W-250113	Water	01/13/25 12:27	01/15/25 15:53
580-147355-20	D-17-W-250113	Water	01/13/25 14:12	01/15/25 15:53
580-147355-21	MW-26-W-250113	Water	01/13/25 15:25	01/15/25 15:53
580-147355-22	MW-27-W-250114	Water	01/14/25 11:07	01/15/25 15:53
580-147355-23	D-11-W-250114	Water	01/14/25 10:02	01/15/25 15:53
580-147355-24	D-22-W-250114	Water	01/14/25 12:20	01/15/25 15:53
580-147355-25	MW-34-W-250114	Water	01/14/25 13:20	01/15/25 15:53
580-147355-26	MW-23-W-250114	Water	01/14/25 14:26	01/15/25 15:53
580-147355-27	D-27-W-250115	Water	01/15/25 09:43	01/15/25 15:53
580-147355-28	D-12-W-250115	Water	01/15/25 10:41	01/15/25 15:53
580-147355-29	RMW-1-W-250115	Water	01/15/25 11:44	01/15/25 15:53
580-147355-30	MW-39-W-250115	Water	01/15/25 12:44	01/15/25 15:53
580-147355-31	D-15-W-250115	Water	01/15/25 13:53	01/15/25 15:53
580-147355-32	MW-29-W-250115	Water	01/15/25 14:50	01/15/25 15:53
580-147355-33	D-18-W-250113	Water	01/13/25 13:40	01/15/25 15:53
580-147355-34	MW-24-W-250113	Water	01/13/25 14:50	01/15/25 15:53
580-147355-35	MW-33-W-250114	Water	01/14/25 09:35	01/15/25 15:53
580-147355-36	D-23-W-250114	Water	01/14/25 10:25	01/15/25 15:53
580-147355-37	D-10-W-250114	Water	01/14/25 11:18	01/15/25 15:53
580-147355-38	MW-25-W-250114	Water	01/14/25 12:40	01/15/25 15:53
580-147355-39	D-08-W-250114	Water	01/14/25 13:45	01/15/25 15:53
580-147355-40	MW-22-W-250115	Water	01/15/25 09:38	01/15/25 15:53
580-147355-41	D-07-W-250115	Water	01/15/25 10:25	01/15/25 15:53
580-147355-42	D-14-W-250115	Water	01/15/25 11:30	01/15/25 15:53
580-147355-43	MW-14-W-250115	Water	01/15/25 13:10	01/15/25 15:53
580-147355-44	MW-40-W-250115	Water	01/15/25 14:20	01/15/25 15:53
580-147355-45	DUP-1-WD-250115	Water	01/15/25 15:20	01/15/25 15:53

Chain of Custody Record

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Client Information	Sampler: Emily Richardson	Lab PM: Tracy Dutton / Rachel Sesler Tracy.Dutton@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com) Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390 360 608 3212	E-Mail:	State of Origin: WA	Page: 1 of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes:
City: Portland	TAT Requested (days): 10 business days			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			Other:
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
		Preservation Code:								
MW-11-W-250113	1/13/2025	1218	G	W	N		X	X	5	
MW-30-W-250113		1315	G	W			X	X	5	
D-09-W-250113		1500	G	W			X	X	5	
MW-38-W-250114	1/14/2025	0932	G	W			X	X	5	
D-26-W-250114		1015	G	W			X	X	15	MS/MSD
MW-37-W-250114		1107	G	W			X	X	5	
~~MW~~ D-25-W-250114		1150	G	W			X	X	5	
MW-36-W-250114		1255	G	W			X	X	5	
~~D-27~~ D-24-W-250114		1350	G	W			X	X	5	
MW-28-W-250115	1/15/2025	0945	G	W			X	X	5	
D-10-W-250115		1030	G	W			X	X	5	
MW-21-W-250115		1152	G	W			X	X	5	
D-06-W-250115		1310	G	W			X	X	5	
MW-18-W-250115		1410	G	W			X	X	5	
TB-1-T-250115										
TB-2-T-250115										
TB-3-T-250115										
TB-4-T-250115										

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B Unknown ☐ Radiological ☐	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kiera McDowell Kiera McDowell	1/15/24 1553	AECOM		1-15-25 1553	EEFN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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580-147355 Chain of Custody

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: M. McDonald	Lab PM: Tracy Dutton / Rachel Sester, Tracy.Dutton@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com), Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390, 360 608 3212	E-Mail:	State of Origin: WA	Page: ~~2~~ of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			Other:
Email: Molly.Mcdonald@aecom.com	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
MW-10-W-250113	1/13/25	1227	G	W	N	N	X	X	5	
D-17-W-250113	1/13/25	1412	G							
MW-26-W-250113	1/13/25	1525								
MW-27-W-250114	1/14/25	1107								
D-11-W-250114	1/14/25	1002								
D-22-W-250114	1/14/25	1220								
M-34-W-250114	1/14/25	1320				Y			15	MS/MSD collected
M-23-W-250114	1/14/25	1426				N			5	
D-27-W-250115	1/15/25	0943								
D-12-W-250115	1/15/25	1041								
RMW-1-W-250115	1/15/25	1144								
MW-39-W-250115	1/15/25	1244								
D-15-W-250115	1/15/25	1353								
MW-29-W-250115	1/15/25	1450								

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kiera McDowell Kiera McDowell	1/15/25 1553	AECOM		1-15-25 1553	~~GEL~~
2		Date/Time:	Company	Received by:	Date/Time:	Company
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2/20/2025 (Rev. 2)

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kiera McDowell	Lab PM: Tracy Dutton / Rachel Sester, Tracy.Dutton@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com), Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390, 360 608 3212	E-Mail:	State of Origin: WA	Page: 3 of 3
Company: AECOM	PWSID:			Job #:
Address: 888 SW 5th Ave	Due Date Requested:			
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
D-18-W-250113	01/13/25	1340	G	W	N		X	X	5	
MW-24-W-250113	01/13/25	1450	G	W	N		X	X	5	
MW-33-W-250114	01/14/25	0935	G	W			X	X		
D-23-W-250114	01/14/25	1025	G	W			X	X		
D-10-W-250114	01/14/25	1118	G	W			X	X		
MW-25-W-250114	01/14/25	1240	G	W			X	X		
D-08-W-250114	01/14/25	1345	G	W			X	X		
MW-22-W-250115	01/15/25	0938	G	W			X	X		
D-07-W-250115	01/15/25	1025	G	W			X	X		
D-14-W-250115	01/15/25	1130	G	W			X	X		
MW-14-W-250115	01/15/25	1310	G	W			X	X		
MW-40-W-250115	01/15/25	1420	G	W			X	X		
DUP-1-WD-250115	01/15/25	1520	G	W			X	X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

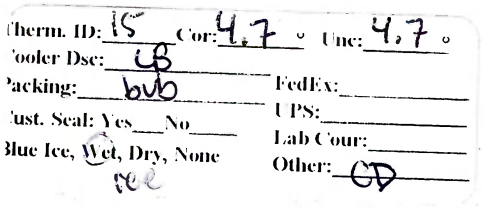
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kiera McDowell	1/15/25 1553	AECOM		1-15-25 1553	EEtA
2						
3						

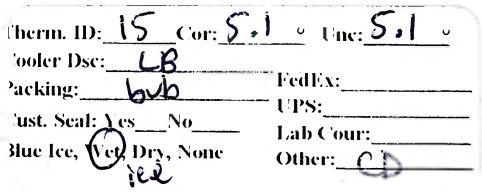
Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

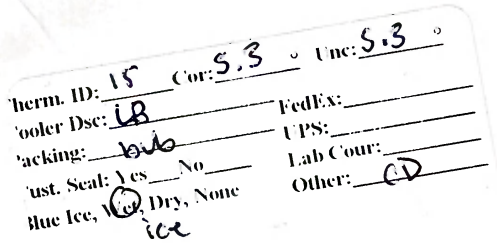
Ver: 01/16/2019


Therm. ID: 15 Cor: 4.7 ° Unc: 4.7 °
Cooler Dsc: LB
Packing: bub
Cust. Seal: Yes___No___
Blue Ice, Wet, Dry, None
ice
FedEx:
UPS:
Lab Cour:
Other: CD

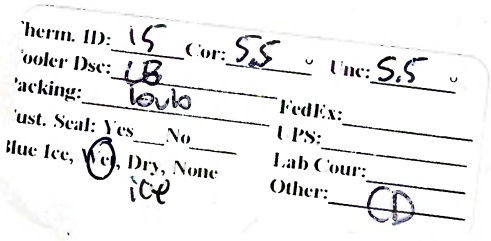
cooler #1


Therm. ID: 15 Cor: 5.1 ° Unc: 5.1 °
Cooler Dsc: LB
Packing: bub
Cust. Seal: Yes___No___
Blue Ice, Wet, Dry, None
ice
FedEx:
UPS:
Lab Cour:
Other: CD

cooler #2


Therm. ID: 15 Cor: 5.3 ° Unc: 5.3 °
Cooler Dsc: LB
Packing: bub
Cust. Seal: Yes___No___
Blue Ice, Wet, Dry, None
ice
FedEx:
UPS:
Lab Cour:
Other: CD

cooler #3


Therm. ID: 15 Cor: 5.5 ° Unc: 5.5 °
Cooler Dsc: LB
Packing: bub
Cust. Seal: Yes___No___
Blue Ice, Wet, Dry, None
ice
FedEx:
UPS:
Lab Cour:
Other: CD

cooler #4

Chain of Custody Record

5th cooler dropped off

eurofins | Environment Testing America

Client Information	Sampler: Emily Richardson	Lab PM: Tracy Dutton / Rachel Secter	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com) Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390 360 608 3212	E-Mail: Tracy.Dutton@ET.EurofinsUS.com	State of Origin: WA	Page: 1 of 3
Company: AECOM	PWSID:			Job #:
Address: 888 SW 5th Ave	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, M - Hexane, N - None, O - AsNaO2
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Therm. ID: IR11 Cor: 1.2° Unc: 2.2°
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes ___ No ✓
Blue Ice (Wet) Dry, None
FedEx: ___ UPS: ___ Lab Cour: ___ Other: CD

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number	Special Instructions/Note:
		Preservation Code:								
MW-11-W-250113	1/13/2025	1218	G	W	N		X	X	5	
MW-30-W-250113		1345	G	W			X	X	5	
D-09-W-250113		1500	G	W			X	X	5	
MW-38-W-250114	1/14/2025	0932	G	W			X	X	5	
D-26-W-250114		1015	G	W			X	X	15	MS/MSD
MW-37-W-250114		1107	G	W			X	X	5	
~~MW~~ D-25-W-250114		1150	G	W			X	X	5	
MW-36-W-250114		1255	G	W			X	X	5	
~~D-27~~ D-24-W-250114		1350	G	W			X	X	5	
MW-28-W-250115	1/15/2025	0945	G	W			X	X	5	
D-16-W-250115		1030	G	W			X	X	5	
MW-21-W-250115		1152	G	W			X	X	5	
D-06-W-250115		1310	G	W			X	X	5	
MW-18-W-250115		1410	G	W			X	X	5	
TB-1-T-250115										
TB-2-T-250115										
TB-3-T-250115										
TB-4-T-250115										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Kiera McDowell Kiera McDowell	Date/Time: 1/15/24 1553	Company: AECOM	Received by:	Date/Time: 1-15-25 1553	Company: EGTN
Relinquished by: Kiera McDowell	Date/Time: 1/16/24 0850	Company: AECOM	Received by:	Date/Time: 1/16/25 0850	Company: EGTN
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR11 1.2/2.2

Ver: 01/16/2019

Chain of Custody Record

5th cooler dropped off

eurofins | Environment Testing America

Client Information	Sampler: M. McDonald	Lab PM: Tracy Dutton | Rachel Sestak Tracy.Dutton@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com) Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390 360 608 3212	E-Mail:	State of Origin: WA	Page: 3 of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email: Molly.McDonald@aecom.com	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
MW-10-W-250113	1/13/25	1227	G	W	N	N	X	X	5	
D-17-W-250113	1/13/25	1412	G							
MW-26-W-250113	1/13/25	1525								
MW-27-W-250114	1/14/25	1107								
D-11-W-250114	1/14/25	1002								
D-22-W-250114	1/14/25	1220								
MW-34-W-250114	1/14/25	1320				Y			5	MS/MSD collected
MW-23-W-250114	1/14/25	1426				N			5	
D-27-W-250115	1/15/25	0943								
D-12-W-250115	1/15/25	1041								
MW-1-W-250115	1/15/25	1144								
MW-39-W-250115	1/15/25	1244								
D-15-W-250115	1/15/25	1353								
MW-29-W-250115	1/15/25	1450								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Kiera McDowell	Date/Time: 1/15/25 1553	Company: AECOM	Received by:	Date/Time: 1-15-25 1553	Company: ~~EC~~ EA
Relinquished by:	Date/Time: 1/16/25 0850	Company: AECOM	Received by:	Date/Time: 1/16/25 0850	Company: EA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Chain of Custody Record

5th cooler dropped off

eurofins | Environment Testing America

Client Information	Sampler: Kiera McDowell	Lab PM: Tracy Dutton / Rachel Sexton Tracy.Dutton@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com) Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390 360 608 3212	E-Mail:	State of Origin: WA	Page: 3 of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project # 60701804	SSOW#:			

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
D-18-W-250113	01/13/25	1340	G	W	N		X	X	5	
MW-24-W-250113	01/13/25	1450	G	W	N		X	X	5	
MW-33-W-250114	01/14/25	0935	G	W			X	X		
D-23-W-250114	01/14/25	1025	G	W			X	X		
D-10-W-250114	01/14/25	1118	G	W			X	X		
MW-25-W-250114	01/14/25	1240	G	W			X	X		
D-08-W-250114	01/14/25	1345	G	W			X	X		
MW-22-W-250115	01/15/25	0938	G	W			X	X		
D-07-W-250115	01/15/25	1025	G	W			X	X		
D-14-W-250115	01/15/25	1130	G	W			X	X		
MW-14-W-250115	01/15/25	1310	G	W			X	X		
MW-40-W-250115	01/15/25	1420	G	W			X	X		
DUP-1-WD-250115	01/15/25	1520	G	W			X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Kiera McDowell	1/15/25 1553	AECOM		1-15-25 1553	Eurofins
2		1/16/25 0850	AECOM		1/16/25 0850	ET
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2/20/2025 (Rev. 2)

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Emily Richardson	Lab PM: Tracy Dutton / Rachel Sesler	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com) Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390 360 608 3212	E-Mail: Tracy.Dutton@ET.EurofinsUS.com	State of Origin: WA	Page: 1 of 3
Company: AECOM	PWSID:			Job #:
Address: 888 SW 5th Ave	Due Date Requested:			
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
		Preservation Code:								
MW-11-W-250113	1/13/2025	1218	G	W	N		X	X	5	
MW-30-W-250113		1315	G	W			X	X	5	
D-09-W-250113		1500	G	W			X	X	5	
MW-38-W-250114	1/14/2025	0932	G	W			X	X	5	
D-26-W-250114		1015	G	W			X	X	15	MS/MSD
MW-37-W-250114		1107	G	W			X	X	5	
~~MW~~ D-25-W-250114		1150	G	W			X	X	5	
MW-36-W-250114		1255	G	W			X	X	5	
~~D-27~~ D-24-W-250114		1350	G	W			X	X	5	
MW-28-W-250115	1/15/2025	0945	G	W			X	X	5	
D-10-W-250115		1030	G	W			X	X	5	
MW-21-W-250115		1152	G	W			X	X	5	
D-06-W-250115		1310	G	W			X	X	5	
MW-18-W-250115		1410	G	W			X	X	5	
TB-1-T-250115										
TB-2-T-250115										
TB-3-T-250115										
TB-4-T-250115										

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Kiera McDowell	1/15/24 1553	AECOM		1-15-25 1553	EEFN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

580-147355 Chain of Custody

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Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: M. McDonald	Lab PM: Tracy Dutton / Rachel Sester, Tracy.Dutton@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com), Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390, 360 608 3212	E-Mail:	State of Origin: WA	Page: ~~2~~ of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			Other:
Email: Molly.Mcdonald@aecom.com	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
MW-10-W-250113	1/13/25	1227	G	W	N	N	X	X	5	
D-17-W-250113	1/13/25	1412	G							
MW-26-W-250113	1/13/25	1525								
MW-27-W-250114	1/14/25	1107								
D-11-W-250114	1/14/25	1002								
D-22-W-250114	1/14/25	1220								
M-34-W-250114	1/14/25	1320				Y			15	MS/MSD collected
M-23-W-250114	1/14/25	1426				N			5	
D-27-W-250115	1/15/25	0943								
D-12-W-250115	1/15/25	1041								
RMW-1-W-250115	1/15/25	1144								
MW-39-W-250115	1/15/25	1244								
D-15-W-250115	1/15/25	1353								
MW-29-W-250115	1/15/25	1450								

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kiera McDowell Kiera McDowell	1/15/25 1553	AECOM		1-15-25 1553	~~GEL~~
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2/20/2025 (Rev. 2)

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Kiera McDowell	Lab PM: Tracy Dutton / Rachel Sester, Tracy.Dutton@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com), Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390, 360 608 3212	E-Mail:	State of Origin: WA	Page: 3 of 3
Company: AECOM	PWSID:			Job #:
Address: 888 SW 5th Ave	Due Date Requested:			
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
D-18-W-250113	01/13/25	1340	G	W	N		X	X	5	
MW-24-W-250113	01/13/25	1450	G	W	N		X	X	5	
MW-33-W-250114	01/14/25	0935	G	W			X	X		
D-23-W-250114	01/14/25	1025	G	W			X	X		
D-10-W-250114	01/14/25	1118	G	W			X	X		
MW-25-W-250114	01/14/25	1240	G	W			X	X		
D-08-W-250114	01/14/25	1345	G	W			X	X		
MW-22-W-250115	01/15/25	0938	G	W			X	X		
D-07-W-250115	01/15/25	1025	G	W			X	X		
D-14-W-250115	01/15/25	1130	G	W			X	X		
MW-14-W-250115	01/15/25	1310	G	W			X	X		
MW-40-W-250115	01/15/25	1420	G	W			X	X		
DUP-1-WD-250115	01/15/25	1520	G	W			X	X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Kiera McDowell	1/15/25 1553	AECOM		1-15-25 1553	EEtA
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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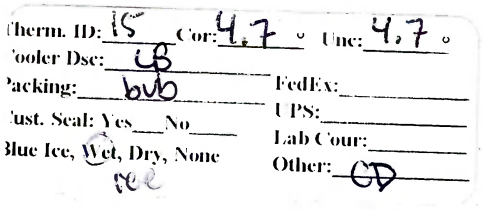
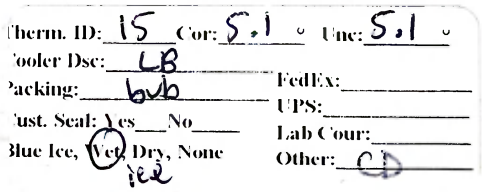
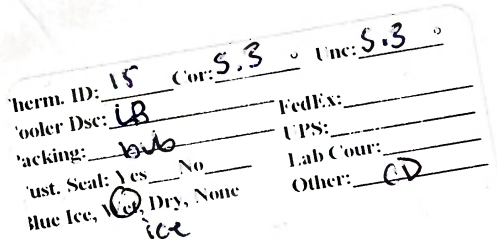

Therm. ID: 15 Cor: 4.7 ° Unc: 4.7 °
Cooler Dsc: LB
Packing: bub
Cust. Seal: Yes___No___
Blue Ice, Wet, Dry, None
ice
FedEx:
UPS:
Lab Cour:
Other: CD

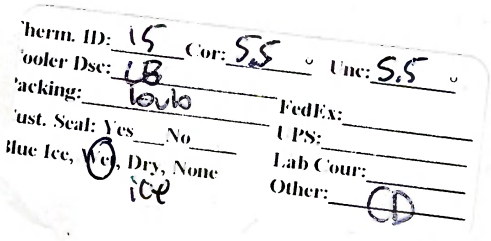
cooler #1


Therm. ID: 15 Cor: 5.1 ° Unc: 5.1 °
Cooler Dsc: LB
Packing: bub
Cust. Seal: Yes___No___
Blue Ice, Wet, Dry, None
ice
FedEx:
UPS:
Lab Cour:
Other: CD

cooler #2


Therm. ID: 15 Cor: 5.3 ° Unc: 5.3 °
Cooler Dsc: LB
Packing: bub
Cust. Seal: Yes___No___
Blue Ice, Wet, Dry, None
ice
FedEx:
UPS:
Lab Cour:
Other: CD

cooler #3


Therm. ID: 15 Cor: 5.5 ° Unc: 5.5 °
Cooler Dsc: LB
Packing: bub
Cust. Seal: Yes___No___
Blue Ice, Wet, Dry, None
ice
FedEx:
UPS:
Lab Cour:
Other: CD

cooler #4

Chain of Custody Record

5th cooler dropped off

eurofins | Environment Testing America

Client Information	Sampler: Emily Richardson	Lab PM: Tracy Dutton / Rachel Secter	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com) Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390 360 608 3212	E-Mail: Tracy.Dutton@ET.EurofinsUS.com	State of Origin: WA	Page: 1 of 3
Company: AECOM	PWSID:			Job #:
Address: 888 SW 5th Ave	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, M - Hexane, N - None, O - AsNaO2
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Therm. ID: IR11 Cor: 1.2° Unc: 2.2°
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes ___ No ✓
Blue Ice (Wet) Dry, None
FedEx: ___ UPS: ___ Lab Cour: ___ Other: CD

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number	Special Instructions/Note:
		Preservation Code:								
MW-11-W-250113	1/13/2025	1218	G	W	N		X	X	5	
MW-30-W-250113		1345	G	W			X	X	5	
D-09-W-250113		1500	G	W			X	X	5	
MW-38-W-250114	1/14/2025	0932	G	W			X	X	5	
D-26-W-250114		1015	G	W			X	X	15	MS/MSD
MW-37-W-250114		1107	G	W			X	X	5	
~~MW~~ D-25-W-250114		1150	G	W			X	X	5	
MW-36-W-250114		1255	G	W			X	X	5	
~~D-27~~ D-24-W-250114		1350	G	W			X	X	5	
MW-28-W-250115	1/15/2025	0945	G	W			X	X	5	
D-16-W-250115		1030	G	W			X	X	5	
MW-21-W-250115		1152	G	W			X	X	5	
D-06-W-250115		1310	G	W			X	X	5	
MW-18-W-250115		1410	G	W			X	X	5	
TB-1-T-250115										
TB-2-T-250115										
TB-3-T-250115										
TB-4-T-250115										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Kiera McDowell Kiera McDowell	Date/Time: 1/15/24 1553	Company: AECOM	Received by:	Date/Time: 1-15-25 1553	Company: EGTN
Relinquished by: Kiera McDowell	Date/Time: 1/16/24 0850	Company: AECOM	Received by:	Date/Time: 1/16/25 0850	Company: EGTN
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR11 1.2/2.2

Ver: 01/16/2019

2/20/2025 (Rev. 2)

Chain of Custody Record

5th cooler dropped off

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Client Information	Sampler: M. McDonald	Lab PM: Tracy Dutton / Rachel Sestak	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com) Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390 360 608 3212	E-Mail: Tracy.Dutton@ET.EurofinsUS.com	State of Origin: WA	Page: 9 of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email: Molly.McDonald@aecom.com	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			Other:

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
MW-10-W-250113	1/13/25	1227	G	W	N	N	X	X	5	
D-17-W-250113	1/13/25	1412	G							
MW-26-W-250113	1/13/25	1525								
MW-27-W-250114	1/14/25	1107								
D-11-W-250114	1/14/25	1002								
D-22-W-250114	1/14/25	1220								
MW-34-W-250114	1/14/25	1320				Y			15	MS/MSD collected
MW-23-W-250114	1/14/25	1426				N			5	
D-27-W-250115	1/15/25	0943								
D-12-W-250115	1/15/25	1041								
MW-1-W-250115	1/15/25	1144								
MW-39-W-250115	1/15/25	1244								
D-15-W-250115	1/15/25	1353								
MW-29-W-250115	1/15/25	1450								

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by: Kiera McDowell	Date/Time: 1/15/25 1553	Company: AECOM	Received by:	Date/Time: 1-15-25 1553	Company: ECon		
Relinquished by:	Date/Time: 1/16/25 0850	Company: AECOM	Received by:	Date/Time: 1/16/25 0850	Company: EET		
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:		

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Chain of Custody Record

5th cooler dropped off

eurofins | Environment Testing America

Client Information	Sampler: Kiera McDowell	Lab PM: Tracy Dutton / Rachel Sexton Tracy.Dutton@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com) Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390 360 608 3212	E-Mail:	State of Origin: WA	Page: 3 of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 60701804			
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project # 60701804	SSOW#:			

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
D-18-W-250113	01/13/25	1340	G	W	N		X	X	5	
MW-24-W-250113	01/13/25	1450	G	W	N		X	X	5	
MW-33-W-250114	01/14/25	0935	G	W			X	X		
D-23-W-250114	01/14/25	1025	G	W			X	X		
D-10-W-250114	01/14/25	1118	G	W			X	X		
MW-25-W-250114	01/14/25	1240	G	W			X	X		
D-08-W-250114	01/14/25	1345	G	W			X	X		
MW-22-W-250115	01/15/25	0938	G	W			X	X		
D-07-W-250115	01/15/25	1025	G	W			X	X		
D-14-W-250115	01/15/25	1130	G	W			X	X		
MW-14-W-250115	01/15/25	1310	G	W			X	X		
MW-40-W-250115	01/15/25	1420	G	W			X	X		
DUP-1-WD-250115	01/15/25	1520	G	W			X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Kiera McDowell	1/15/25 1553	AECOM		1-15-25 1553	Eurofins
2		1/16/25 0850	AECOM		1/16/25 0850	ET
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2/20/2025 (Rev. 2)

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-147355-1

Login Number: 147355
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	True	
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Christina Wheeler
AECOM
888 SW 5th Ave, Ste 600
Portland, Oregon 97204

Generated 4/30/2025 11:11:53 AM Revision 1

JOB DESCRIPTION

CEMREC Legacy Sites- Tacoma 2025

JOB NUMBER

580-149639-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

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

Generated
4/30/2025 11:11:53 AM
Revision 1

Authorized for release by
Rachel Sester, Project Manager I
Rachel.Sester@et.eurofinsus.com
(602)659-7615

Table of Contents

Job Narrative
580-149639-1

REVISION

The report being provided is a revision of the original report sent on 4/22/2025. The report (revision 1) is being revised due to the client needs the data reported to the RL instead of the MDL.

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 4/10/2025 11:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 5.7°C, 5.9°C, 6.0°C and 6.7°C.

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

Hydrocarbons
Method NWTPH_Dx: The following sample contained a hydrocarbon pattern in the diesel range; however, the elution pattern is not the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-11-W-250407 (580-149639-1), MW-10-W-250407 (580-149639-2), MW-26-W-250407 (580-149639-3), D-17-W-250407 (580-149639-4), MW-30-W-250407 (580-149639-5), D-18-W-250407 (580-149639-6), MW-12-W-250407 (580-149639-7), DUP-1-WD-250407 (580-149639-8), D-09-W-250407 (580-149639-9), D-24-W-250408 (580-149639-11), MW-39-W-250408 (580-149639-12), D-27-W-250408 (580-149639-13), D-11-W-250408 (580-149639-14), MW-27-W-250408 (580-149639-17) and D-26-W-250408 (580-149639-19).

Method NWTPH_Dx: Surrogate recovery for the following samples were outside control limits: MW-30-W-250407 (580-149639-5) and MW-12-W-250407 (580-149639-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH_Dx: The following sample contained a hydrocarbon pattern in the diesel range; however, the elution pattern was not the typical diesel fuel pattern used by the laboratory for quantitative purposes: D-28-W-250409 (580-149639-41).

Method NWTPH_Dx: The following sample contained a hydrocarbon pattern in the diesel range; however, the elution pattern is not the typical diesel fuel pattern used by the laboratory for quantitative purposes: D-25-W-250408 (580-149639-20), MW-37-W-250408 (580-149639-21), D-23-W-250408 (580-149639-23), D-02A-W-250408 (580-149639-24), MW-25-W-250408 (580-149639-25), D-07-W-250409 (580-149639-27), D-12-W-250409 (580-149639-28), D-08-W-250409 (580-149639-29), MW-22-W-250409 (580-149639-30), RMW-01-W-250409 (580-149639-31), MW-28-W-250409 (580-149639-33), D-16-W-250409 (580-149639-35), MW-21-W-250409 (580-149639-36) and D-19-W-250409 (580-149639-37).

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

Definitions/Glossary

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-11-W-250407
Lab Sample ID: 580-149639-1
Date Collected: 04/07/25 09:25
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*04/16/25 08:52*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1300**		210	98	ug/L		04/15/25 08:55	04/16/25 20:24	1
Motor Oil Range Organics (C24-C40)	**890**		380	140	ug/L		04/15/25 08:55	04/16/25 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*04/15/25 08:55*	*04/16/25 20:24*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-10-W-250407
Lab Sample ID: 580-149639-2
Date Collected: 04/07/25 10:25
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 09:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*77 - 123*		*04/16/25 09:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1200**		210	95	ug/L		04/15/25 08:55	04/16/25 20:45	1
Motor Oil Range Organics (C24-C40)	**970**		370	140	ug/L		04/15/25 08:55	04/16/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*50 - 150*	*04/15/25 08:55*	*04/16/25 20:45*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-26-W-250407
Lab Sample ID: 580-149639-3
Date Collected: 04/07/25 11:20
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*04/16/25 06:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1600**		210	97	ug/L		04/15/25 08:55	04/16/25 21:05	1
Motor Oil Range Organics (C24-C40)	**1200**		370	140	ug/L		04/15/25 08:55	04/16/25 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*50 - 150*	*04/15/25 08:55*	*04/16/25 21:05*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-17-W-250407
Lab Sample ID: 580-149639-4
Date Collected: 04/07/25 12:10
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/16/25 06:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**380**		220	99	ug/L		04/15/25 08:55	04/16/25 21:26	1
Motor Oil Range Organics (C24-C40)	ND		380	140	ug/L		04/15/25 08:55	04/16/25 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*50 - 150*	*04/15/25 08:55*	*04/16/25 21:26*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-30-W-250407
Lab Sample ID: 580-149639-5
Date Collected: 04/07/25 13:10
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 07:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/16/25 07:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**4700**		230	100	ug/L		04/15/25 08:55	04/16/25 21:46	1
Motor Oil Range Organics (C24-C40)	**3400**		400	150	ug/L		04/15/25 08:55	04/16/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*49*	*S1-*	*50 - 150*	*04/15/25 08:55*	*04/16/25 21:46*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-18-W-250407
Lab Sample ID: 580-149639-6
Date Collected: 04/07/25 14:25
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/16/25 07:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1700**		210	96	ug/L		04/15/25 08:55	04/16/25 22:06	1
Motor Oil Range Organics (C24-C40)	**1200**		370	140	ug/L		04/15/25 08:55	04/16/25 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*04/15/25 08:55*	*04/16/25 22:06*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-12-W-250407
Lab Sample ID: 580-149639-7
Date Collected: 04/07/25 14:30
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/16/25 08:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**5400**		190	88	ug/L		04/15/25 08:55	04/16/25 22:27	1
Motor Oil Range Organics (C24-C40)	**2100**		340	130	ug/L		04/15/25 08:55	04/16/25 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*47*	*S1-*	*50 - 150*	*04/15/25 08:55*	*04/16/25 22:27*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: DUP-1-WD-250407
Lab Sample ID: 580-149639-8
Date Collected: 04/07/25 14:00
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/16/25 09:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**5700**		200	91	ug/L		04/15/25 08:55	04/16/25 23:07	1
Motor Oil Range Organics (C24-C40)	**2200**		350	130	ug/L		04/15/25 08:55	04/16/25 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*50 - 150*	*04/15/25 08:55*	*04/16/25 23:07*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-09-W-250407
Lab Sample ID: 580-149639-9
Date Collected: 04/07/25 15:15
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 07:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*04/17/25 07:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2800**		200	90	ug/L		04/15/25 08:55	04/16/25 23:28	1
Motor Oil Range Organics (C24-C40)	**1800**		350	130	ug/L		04/15/25 08:55	04/16/25 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*50 - 150*	*04/15/25 08:55*	*04/16/25 23:28*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-36-W-250408
Lab Sample ID: 580-149639-10
Date Collected: 04/08/25 09:55
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*04/17/25 06:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		210	96	ug/L		04/15/25 08:55	04/16/25 23:48	1
Motor Oil Range Organics (C24-C40)	ND		370	140	ug/L		04/15/25 08:55	04/16/25 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*50 - 150*	*04/15/25 08:55*	*04/16/25 23:48*	*1*

Client Sample ID: D-24-W-250408
Lab Sample ID: 580-149639-11

Date Collected: 04/08/25 11:05
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 06:56*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**220**		220	99	ug/L		04/15/25 08:55	04/17/25 00:08	1
Motor Oil Range Organics (C24-C40)	ND		380	140	ug/L		04/15/25 08:55	04/17/25 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*50 - 150*	*04/15/25 08:55*	*04/17/25 00:08*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-39-W-250408
Lab Sample ID: 580-149639-12
Date Collected: 04/08/25 09:25
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 13:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2000**		200	90	ug/L		04/15/25 08:55	04/17/25 00:28	1
Motor Oil Range Organics (C24-C40)	**1000**		340	130	ug/L		04/15/25 08:55	04/17/25 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*04/15/25 08:55*	*04/17/25 00:28*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-27-W-250408
Lab Sample ID: 580-149639-13
Date Collected: 04/08/25 10:15
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 07:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 07:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2800**		200	89	ug/L		04/15/25 08:55	04/17/25 00:48	1
Motor Oil Range Organics (C24-C40)	**1500**		340	130	ug/L		04/15/25 08:55	04/17/25 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*50 - 150*	*04/15/25 08:55*	*04/17/25 00:48*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-11-W-250408
Lab Sample ID: 580-149639-14

Date Collected: 04/08/25 12:44
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*04/17/25 08:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**540**		200	92	ug/L		04/15/25 08:55	04/17/25 01:08	1
Motor Oil Range Organics (C24-C40)	**420**		350	130	ug/L		04/15/25 08:55	04/17/25 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*04/15/25 08:55*	*04/17/25 01:08*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-22-W-250408
Lab Sample ID: 580-149639-15
Date Collected: 04/08/25 11:30
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/17/25 08:29*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**580**		200	89	ug/L		04/15/25 08:55	04/17/25 01:28	1
Motor Oil Range Organics (C24-C40)	ND		340	130	ug/L		04/15/25 08:55	04/17/25 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*04/15/25 08:55*	*04/17/25 01:28*	*1*

Client Sample ID: MW-34-W-250408
Lab Sample ID: 580-149639-16

Date Collected: 04/08/25 12:25
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*04/17/25 08:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		190	87	ug/L		04/15/25 08:55	04/17/25 01:48	1
Motor Oil Range Organics (C24-C40)	ND		340	120	ug/L		04/15/25 08:55	04/17/25 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*50 - 150*	*04/15/25 08:55*	*04/17/25 01:48*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-27-W-250408
Lab Sample ID: 580-149639-17
Date Collected: 04/08/25 11:41
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 09:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 09:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**530**		200	92	ug/L		04/15/25 08:55	04/17/25 02:09	1
Motor Oil Range Organics (C24-C40)	**740**		350	130	ug/L		04/15/25 08:55	04/17/25 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*50 - 150*	*04/15/25 08:55*	*04/17/25 02:09*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-38-W-250408
Lab Sample ID: 580-149639-18
Date Collected: 04/08/25 12:45
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 09:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		220	99	ug/L		04/15/25 08:55	04/17/25 02:49	1
Motor Oil Range Organics (C24-C40)	ND		380	140	ug/L		04/15/25 08:55	04/17/25 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*04/15/25 08:55*	*04/17/25 02:49*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-26-W-250408
Lab Sample ID: 580-149639-19
Date Collected: 04/08/25 13:25
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 10:02*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**570**		220	100	ug/L		04/15/25 08:55	04/17/25 03:09	1
Motor Oil Range Organics (C24-C40)	**520**		390	140	ug/L		04/15/25 08:55	04/17/25 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*04/15/25 08:55*	*04/17/25 03:09*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-25-W-250408
Lab Sample ID: 580-149639-20
Date Collected: 04/08/25 15:05
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*04/17/25 10:49*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**910**		210	95	ug/L		04/16/25 09:04	04/21/25 19:24	1
Motor Oil Range Organics (C24-C40)	**730**		360	140	ug/L		04/16/25 09:04	04/21/25 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*50 - 150*	*04/16/25 09:04*	*04/21/25 19:24*	*1*

Client Sample ID: MW-37-W-250408
Lab Sample ID: 580-149639-21

Date Collected: 04/08/25 15:40
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*04/17/25 11:12*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**230**		220	99	ug/L		04/16/25 09:04	04/21/25 19:44	1
Motor Oil Range Organics (C24-C40)	ND		380	140	ug/L		04/16/25 09:04	04/21/25 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*50 - 150*	*04/16/25 09:04*	*04/21/25 19:44*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-33-W-250408
Lab Sample ID: 580-149639-22
Date Collected: 04/08/25 13:20
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/17/25 11:35*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	90	ug/L		04/16/25 09:04	04/21/25 20:04	1
Motor Oil Range Organics (C24-C40)	ND		340	130	ug/L		04/16/25 09:04	04/21/25 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*54*		*50 - 150*	*04/16/25 09:04*	*04/21/25 20:04*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-23-W-250408
Lab Sample ID: 580-149639-23
Date Collected: 04/08/25 14:05
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 11:58*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**280**		190	88	ug/L		04/16/25 09:04	04/21/25 20:25	1
Motor Oil Range Organics (C24-C40)	ND		340	130	ug/L		04/16/25 09:04	04/21/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*04/16/25 09:04*	*04/21/25 20:25*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-02A-W-250408
Lab Sample ID: 580-149639-24
Date Collected: 04/08/25 15:15
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 12:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1100**		190	88	ug/L		04/16/25 09:04	04/21/25 20:45	1
Motor Oil Range Organics (C24-C40)	**1100**		340	130	ug/L		04/16/25 09:04	04/21/25 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*57*		*50 - 150*	*04/16/25 09:04*	*04/21/25 20:45*	*1*

Client Sample ID: MW-25-W-250408
Lab Sample ID: 580-149639-25

Date Collected: 04/08/25 15:09
Matrix: Water

Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	630		150	73	ug/L			04/17/25 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*77 - 123*		*04/17/25 12:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	300		200	91	ug/L		04/16/25 09:04	04/21/25 21:04	1
Motor Oil Range Organics (C24-C40)	ND		350	130	ug/L		04/16/25 09:04	04/21/25 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*04/16/25 09:04*	*04/21/25 21:04*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-10-W-250408
Lab Sample ID: 580-149639-26
Date Collected: 04/08/25 13:55
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*04/17/25 13:08*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1300**		190	88	ug/L		04/16/25 09:04	04/21/25 21:25	1
Motor Oil Range Organics (C24-C40)	**630**		340	130	ug/L		04/16/25 09:04	04/21/25 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*56*		*50 - 150*	*04/16/25 09:04*	*04/21/25 21:25*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-07-W-250409
Lab Sample ID: 580-149639-27
Date Collected: 04/09/25 09:50
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 13:31*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**400**		220	100	ug/L		04/16/25 09:04	04/21/25 22:05	1
Motor Oil Range Organics (C24-C40)	**450**		390	140	ug/L		04/16/25 09:04	04/21/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*04/16/25 09:04*	*04/21/25 22:05*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Job ID: 580-149639-1

Client Sample ID: D-12-W-250409
Date Collected: 04/09/25 09:44
Date Received: 04/10/25 11:24

Lab Sample ID: 580-149639-28
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/17/25 14:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**610**		200	91	ug/L		04/16/25 09:04	04/21/25 22:25	1
Motor Oil Range Organics (C24-C40)	**800**		350	130	ug/L		04/16/25 09:04	04/21/25 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*50 - 150*	*04/16/25 09:04*	*04/21/25 22:25*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-08-W-250409
Lab Sample ID: 580-149639-29
Date Collected: 04/09/25 09:55
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/18/25 19:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1200**		200	91	ug/L		04/16/25 09:04	04/21/25 22:45	1
Motor Oil Range Organics (C24-C40)	**1000**		350	130	ug/L		04/16/25 09:04	04/21/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*50 - 150*	*04/16/25 09:04*	*04/21/25 22:45*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-22-W-250409
Lab Sample ID: 580-149639-30
Date Collected: 04/09/25 10:30
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/18/25 20:03*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1600**		220	100	ug/L		04/16/25 09:04	04/21/25 23:05	1
Motor Oil Range Organics (C24-C40)	**2000**		390	150	ug/L		04/16/25 09:04	04/21/25 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*50*		*50 - 150*	*04/16/25 09:04*	*04/21/25 23:05*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: RMW-01-W-250409
Lab Sample ID: 580-149639-31
Date Collected: 04/09/25 10:35
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/18/25 14:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1100**		200	90	ug/L		04/16/25 09:04	04/21/25 23:25	1
Motor Oil Range Organics (C24-C40)	**1600**		350	130	ug/L		04/16/25 09:04	04/21/25 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*04/16/25 09:04*	*04/21/25 23:25*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-23-W-250409
Lab Sample ID: 580-149639-32
Date Collected: 04/09/25 10:50
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/18/25 14:38*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	90	ug/L		04/16/25 09:04	04/21/25 23:45	1
Motor Oil Range Organics (C24-C40)	**370**		350	130	ug/L		04/16/25 09:04	04/21/25 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*52*		*50 - 150*	*04/16/25 09:04*	*04/21/25 23:45*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-28-W-250409
Lab Sample ID: 580-149639-33
Date Collected: 04/09/25 11:25
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/18/25 15:01*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**510**		230	110	ug/L		04/16/25 09:04	04/22/25 00:05	1
Motor Oil Range Organics (C24-C40)	**1200**		410	150	ug/L		04/16/25 09:04	04/22/25 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*59*		*50 - 150*	*04/16/25 09:04*	*04/22/25 00:05*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Job ID: 580-149639-1

Client Sample ID: MW-29-W-250409

Date Collected: 04/09/25 11:26
Date Received: 04/10/25 11:24

Lab Sample ID: 580-149639-34

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/18/25 15:24*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1800**		200	89	ug/L		04/16/25 09:04	04/22/25 00:25	1
Motor Oil Range Organics (C24-C40)	**930**		340	130	ug/L		04/16/25 09:04	04/22/25 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*04/16/25 09:04*	*04/22/25 00:25*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Job ID: 580-149639-1

Client Sample ID: D-16-W-250409

Date Collected: 04/09/25 11:50
Date Received: 04/10/25 11:24

Lab Sample ID: 580-149639-35

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/18/25 15:47*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**320**		210	93	ug/L		04/16/25 09:04	04/22/25 00:45	1
Motor Oil Range Organics (C24-C40)	**840**		360	130	ug/L		04/16/25 09:04	04/22/25 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*04/16/25 09:04*	*04/22/25 00:45*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-21-W-250409
Lab Sample ID: 580-149639-36
Date Collected: 04/09/25 12:41
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/18/25 16:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**400**		210	96	ug/L		04/16/25 09:04	04/22/25 01:05	1
Motor Oil Range Organics (C24-C40)	**990**		370	140	ug/L		04/16/25 09:04	04/22/25 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*04/16/25 09:04*	*04/22/25 01:05*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Job ID: 580-149639-1

Client Sample ID: D-19-W-250409

Date Collected: 04/09/25 12:40
Date Received: 04/10/25 11:24

Lab Sample ID: 580-149639-37

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/18/25 17:20*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**1100**		190	88	ug/L		04/16/25 09:04	04/22/25 01:45	1
Motor Oil Range Organics (C24-C40)	**1100**		340	130	ug/L		04/16/25 09:04	04/22/25 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*04/16/25 09:04*	*04/22/25 01:45*	*1*

Client: AECOM
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Job ID: 580-149639-1

Client Sample ID: D-15-W-250409
Date Collected: 04/09/25 12:42
Date Received: 04/10/25 11:24

Lab Sample ID: 580-149639-38
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*		*04/18/25 17:43*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2100**		200	90	ug/L		04/16/25 09:04	04/22/25 02:05	1
Motor Oil Range Organics (C24-C40)	**1300**		350	130	ug/L		04/16/25 09:04	04/22/25 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*04/16/25 09:04*	*04/22/25 02:05*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-14-W-250409
Lab Sample ID: 580-149639-39
Date Collected: 04/09/25 13:35
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/18/25 18:07*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		210	97	ug/L		04/16/25 09:04	04/22/25 02:25	1
Motor Oil Range Organics (C24-C40)	ND		370	140	ug/L		04/16/25 09:04	04/22/25 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*04/16/25 09:04*	*04/22/25 02:25*	*1*

Client Sample ID: MW-40-W-250409
Lab Sample ID: 580-149639-40

Date Collected: 04/09/25 13:55
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*04/18/25 18:30*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	90	ug/L		04/16/25 09:12	04/17/25 16:54	1
Motor Oil Range Organics (C24-C40)	ND		350	130	ug/L		04/16/25 09:12	04/17/25 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*04/16/25 09:12*	*04/17/25 16:54*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-28-W-250409
Lab Sample ID: 580-149639-41
Date Collected: 04/09/25 14:00
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*77 - 123*		*04/18/25 18:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	**2700**		200	90	ug/L		04/16/25 09:12	04/17/25 17:14	1
Motor Oil Range Organics (C24-C40)	**1100**		340	130	ug/L		04/16/25 09:12	04/17/25 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*04/16/25 09:12*	*04/17/25 17:14*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: TB-1-T-250410
Lab Sample ID: 580-149639-42
Date Collected: 04/10/25 09:00
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/18/25 12:42*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: TB-2-T-250410
Lab Sample ID: 580-149639-43
Date Collected: 04/10/25 09:30
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/18/25 13:05*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: FB-1-250410
Lab Sample ID: 580-149639-44
Date Collected: 04/10/25 10:00
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/18/25 19:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	91	ug/L		04/16/25 09:12	04/17/25 17:34	1
Motor Oil Range Organics (C24-C40)	ND		350	130	ug/L		04/16/25 09:12	04/17/25 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*04/16/25 09:12*	*04/17/25 17:34*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: RB-1-250410
Lab Sample ID: 580-149639-45
Date Collected: 04/10/25 10:30
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/18/25 13:51*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	89	ug/L		04/16/25 09:12	04/17/25 17:55	1
Motor Oil Range Organics (C24-C40)	ND		340	130	ug/L		04/16/25 09:12	04/17/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*04/16/25 09:12*	*04/17/25 17:55*	*1*

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: TB-3-T-250410
Lab Sample ID: 580-149639-46
Date Collected: 04/10/25 11:00
Matrix: Water
Date Received: 04/10/25 11:24

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*		*04/18/25 13:28*	*1*

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

Lab Sample ID: MB 580-490258/11
Matrix: Water
Analysis Batch: 490258

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/16/25 04:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 123*		*04/16/25 04:15*	*1*

Lab Sample ID: LCS 580-490258/8
Matrix: Water
Analysis Batch: 490258

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics C7-C12			1000	1020		ug/L		102	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: LCSD 580-490258/9
Matrix: Water
Analysis Batch: 490258

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 Range Organics C7-C12			1000	981		ug/L		98	55 - 148	4	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*

Lab Sample ID: MB 580-490354/6
Matrix: Water
Analysis Batch: 490354

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/17/25 06:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*		*04/17/25 06:10*	*1*

Lab Sample ID: LCS 580-490354/4
Matrix: Water
Analysis Batch: 490354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics C7-C12			1000	1050		ug/L		105	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

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

Lab Sample ID: LCSD 580-490354/5
Matrix: Water
Analysis Batch: 490354

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 Range Organics C7-C12			1000	1010		ug/L		101	55 - 148	4	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: 580-149639-19 MS
Matrix: Water
Analysis Batch: 490354

Client Sample ID: D-26-W-250408
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics C7-C12	ND		1000	1030		ug/L		103	55 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

Lab Sample ID: 580-149639-19 MSD
Matrix: Water
Analysis Batch: 490354

Client Sample ID: D-26-W-250408
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics C7-C12	ND		1000	1050		ug/L		105	55 - 148	2	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: MB 580-490470/6
Matrix: Water
Analysis Batch: 490470

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics C7-C12	ND		150	73	ug/L			04/18/25 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*77 - 123*		*04/18/25 11:55*	*1*

Lab Sample ID: LCS 580-490470/4
Matrix: Water
Analysis Batch: 490470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics C7-C12			1000	1100		ug/L		110	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

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

Lab Sample ID: LCSD 580-490470/5
Matrix: Water
Analysis Batch: 490470

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 Range Organics C7-C12			1000	1070		ug/L		107	55 - 148	3	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

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

Lab Sample ID: MB 580-490182/1-A
Matrix: Water
Analysis Batch: 490337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 490182

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	91	ug/L		04/15/25 08:55	04/16/25 19:23	1
Motor Oil Range Organics (C24-C40)	ND		350	130	ug/L		04/15/25 08:55	04/16/25 19:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*04/15/25 08:55*	*04/16/25 19:23*	*1*

Lab Sample ID: LCS 580-490182/2-A
Matrix: Water
Analysis Batch: 490337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 490182

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (>C12-C24)			4000	2970		ug/L		74	50 - 120
Motor Oil Range Organics (C24-C40)			4000	3270		ug/L		82	53 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*75*		*50 - 150*

Lab Sample ID: 580-149639-19 MS
Matrix: Water
Analysis Batch: 490337

Client Sample ID: D-26-W-250408
Prep Type: Total/NA
Prep Batch: 490182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (>C12-C24)	570		4470	4750		ug/L		93	50 - 120
Motor Oil Range Organics (C24-C40)	520		4470	4760		ug/L		95	63 - 129

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*83*		*50 - 150*

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

Lab Sample ID: 580-149639-19 MSD
Matrix: Water
Analysis Batch: 490337

Client Sample ID: D-26-W-250408
Prep Type: Total/NA
Prep Batch: 490182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (>C12-C24)	570		4630	4440		ug/L		83	50 - 120	7	26
Motor Oil Range Organics (C24-C40)	520		4630	4480		ug/L		85	63 - 129	6	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*83*		*50 - 150*

Lab Sample ID: MB 580-490278/1-A
Matrix: Water
Analysis Batch: 490674

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 490278

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	91	ug/L		04/16/25 09:04	04/21/25 18:24	1
Motor Oil Range Organics (C24-C40)	ND		350	130	ug/L		04/16/25 09:04	04/21/25 18:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*04/16/25 09:04*	*04/21/25 18:24*	*1*

Lab Sample ID: LCS 580-490278/2-A
Matrix: Water
Analysis Batch: 490674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 490278

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (>C12-C24)			4000	2810		ug/L		70	50 - 120		
Motor Oil Range Organics (C24-C40)			4000	3160		ug/L		79	53 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*72*		*50 - 150*

Lab Sample ID: LCSD 580-490278/3-A
Matrix: Water
Analysis Batch: 490674

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 490278

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (>C12-C24)			4000	3180		ug/L		79	50 - 120	12	26
Motor Oil Range Organics (C24-C40)			4000	3720		ug/L		93	53 - 129	16	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*86*		*50 - 150*

Lab Sample ID: MB 580-490280/1-A
Matrix: Water
Analysis Batch: 490402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 490280

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (>C12-C24)	ND		200	91	ug/L		04/16/25 09:12	04/17/25 14:54	1

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

Lab Sample ID: MB 580-490280/1-A
Matrix: Water
Analysis Batch: 490402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 490280

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics (C24-C40)	ND		350	130	ug/L		04/16/25 09:12	04/17/25 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*04/16/25 09:12*	*04/17/25 14:54*	*1*

Lab Sample ID: LCS 580-490280/2-A
Matrix: Water
Analysis Batch: 490402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 490280

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (>C12-C24)			4000	3270		ug/L		82	50 - 120		
Motor Oil Range Organics (C24-C40)			4000	3680		ug/L		92	53 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*76*		*50 - 150*

Lab Sample ID: LCSD 580-490280/3-A
Matrix: Water
Analysis Batch: 490402

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 490280

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (>C12-C24)			4000	3370		ug/L		84	50 - 120	3	26
Motor Oil Range Organics (C24-C40)			4000	3510		ug/L		88	53 - 129	5	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*74*		*50 - 150*

Lab Chronicle

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-11-W-250407
Lab Sample ID: 580-149639-1
Date Collected: 04/07/25 09:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490258	JBT	EET SEA	04/16/25 08:52
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 20:24

Client Sample ID: MW-10-W-250407
Lab Sample ID: 580-149639-2
Date Collected: 04/07/25 10:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490258	JBT	EET SEA	04/16/25 09:16
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 20:45

Client Sample ID: MW-26-W-250407
Lab Sample ID: 580-149639-3
Date Collected: 04/07/25 11:20
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490258	JBT	EET SEA	04/16/25 06:34
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 21:05

Client Sample ID: D-17-W-250407
Lab Sample ID: 580-149639-4
Date Collected: 04/07/25 12:10
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490258	JBT	EET SEA	04/16/25 06:57
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 21:26

Client Sample ID: MW-30-W-250407
Lab Sample ID: 580-149639-5
Date Collected: 04/07/25 13:10
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490258	JBT	EET SEA	04/16/25 07:20
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 21:46

Client Sample ID: D-18-W-250407
Lab Sample ID: 580-149639-6
Date Collected: 04/07/25 14:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490258	JBT	EET SEA	04/16/25 07:43

Client Sample ID: D-18-W-250407
Lab Sample ID: 580-149639-6
Date Collected: 04/07/25 14:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 22:06

Client Sample ID: MW-12-W-250407
Lab Sample ID: 580-149639-7
Date Collected: 04/07/25 14:30
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490258	JBT	EET SEA	04/16/25 08:06
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 22:27

Client Sample ID: DUP-1-WD-250407
Lab Sample ID: 580-149639-8
Date Collected: 04/07/25 14:00
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490258	JBT	EET SEA	04/16/25 09:39
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 23:07

Client Sample ID: D-09-W-250407
Lab Sample ID: 580-149639-9
Date Collected: 04/07/25 15:15
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 07:19
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 23:28

Client Sample ID: MW-36-W-250408
Lab Sample ID: 580-149639-10
Date Collected: 04/08/25 09:55
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 06:33
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/16/25 23:48

Client Sample ID: D-24-W-250408
Lab Sample ID: 580-149639-11
Date Collected: 04/08/25 11:05
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 06:56

Client Sample ID: D-24-W-250408
Lab Sample ID: 580-149639-11
Date Collected: 04/08/25 11:05
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 00:08

Client Sample ID: MW-39-W-250408
Lab Sample ID: 580-149639-12
Date Collected: 04/08/25 09:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 13:55
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 00:28

Client Sample ID: D-27-W-250408
Lab Sample ID: 580-149639-13
Date Collected: 04/08/25 10:15
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 07:43
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 00:48

Client Sample ID: D-11-W-250408
Lab Sample ID: 580-149639-14
Date Collected: 04/08/25 12:44
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 08:06
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 01:08

Client Sample ID: D-22-W-250408
Lab Sample ID: 580-149639-15
Date Collected: 04/08/25 11:30
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 08:29
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 01:28

Client Sample ID: MW-34-W-250408
Lab Sample ID: 580-149639-16
Date Collected: 04/08/25 12:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 08:53

Lab Chronicle

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-34-W-250408
Lab Sample ID: 580-149639-16
Date Collected: 04/08/25 12:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 01:48

Client Sample ID: MW-27-W-250408
Lab Sample ID: 580-149639-17
Date Collected: 04/08/25 11:41
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 09:16
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 02:09

Client Sample ID: MW-38-W-250408
Lab Sample ID: 580-149639-18
Date Collected: 04/08/25 12:45
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 09:39
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 02:49

Client Sample ID: D-26-W-250408
Lab Sample ID: 580-149639-19
Date Collected: 04/08/25 13:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 10:02
Total/NA	Prep	3510C			490182	EM	EET SEA	04/15/25 08:55
Total/NA	Analysis	NWTPH-Dx		1	490337	SW	EET SEA	04/17/25 03:09

Client Sample ID: D-25-W-250408
Lab Sample ID: 580-149639-20
Date Collected: 04/08/25 15:05
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 10:49
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 19:24

Client Sample ID: MW-37-W-250408
Lab Sample ID: 580-149639-21
Date Collected: 04/08/25 15:40
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 11:12

Lab Chronicle

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-37-W-250408
Lab Sample ID: 580-149639-21
Date Collected: 04/08/25 15:40
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 19:44

Client Sample ID: MW-33-W-250408
Lab Sample ID: 580-149639-22
Date Collected: 04/08/25 13:20
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 11:35
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 20:04

Client Sample ID: D-23-W-250408
Lab Sample ID: 580-149639-23
Date Collected: 04/08/25 14:05
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 11:58
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 20:25

Client Sample ID: D-02A-W-250408
Lab Sample ID: 580-149639-24
Date Collected: 04/08/25 15:15
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 12:22
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 20:45

Client Sample ID: MW-25-W-250408
Lab Sample ID: 580-149639-25
Date Collected: 04/08/25 15:09
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 12:45
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 21:04

Client Sample ID: D-10-W-250408
Lab Sample ID: 580-149639-26
Date Collected: 04/08/25 13:55
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 13:08

Lab Chronicle

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-10-W-250408
Lab Sample ID: 580-149639-26
Date Collected: 04/08/25 13:55
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 21:25

Client Sample ID: D-07-W-250409
Lab Sample ID: 580-149639-27
Date Collected: 04/09/25 09:50
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 13:31
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 22:05

Client Sample ID: D-12-W-250409
Lab Sample ID: 580-149639-28
Date Collected: 04/09/25 09:44
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490354	AA	EET SEA	04/17/25 14:18
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 22:25

Client Sample ID: D-08-W-250409
Lab Sample ID: 580-149639-29
Date Collected: 04/09/25 09:55
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 19:40
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 22:45

Client Sample ID: MW-22-W-250409
Lab Sample ID: 580-149639-30
Date Collected: 04/09/25 10:30
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 20:03
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 23:05

Client Sample ID: RMW-01-W-250409
Lab Sample ID: 580-149639-31
Date Collected: 04/09/25 10:35
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 14:14

Lab Chronicle

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: RMW-01-W-250409
Lab Sample ID: 580-149639-31
Date Collected: 04/09/25 10:35
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 23:25

Client Sample ID: MW-23-W-250409
Lab Sample ID: 580-149639-32
Date Collected: 04/09/25 10:50
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 14:38
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/21/25 23:45

Client Sample ID: MW-28-W-250409
Lab Sample ID: 580-149639-33
Date Collected: 04/09/25 11:25
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 15:01
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/22/25 00:05

Client Sample ID: MW-29-W-250409
Lab Sample ID: 580-149639-34
Date Collected: 04/09/25 11:26
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 15:24
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/22/25 00:25

Client Sample ID: D-16-W-250409
Lab Sample ID: 580-149639-35
Date Collected: 04/09/25 11:50
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 15:47
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/22/25 00:45

Client Sample ID: MW-21-W-250409
Lab Sample ID: 580-149639-36
Date Collected: 04/09/25 12:41
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 16:57

Lab Chronicle

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: MW-21-W-250409
Lab Sample ID: 580-149639-36
Date Collected: 04/09/25 12:41
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/22/25 01:05

Client Sample ID: D-19-W-250409
Lab Sample ID: 580-149639-37
Date Collected: 04/09/25 12:40
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 17:20
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/22/25 01:45

Client Sample ID: D-15-W-250409
Lab Sample ID: 580-149639-38
Date Collected: 04/09/25 12:42
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 17:43
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/22/25 02:05

Client Sample ID: D-14-W-250409
Lab Sample ID: 580-149639-39
Date Collected: 04/09/25 13:35
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 18:07
Total/NA	Prep	3510C			490278	EM	EET SEA	04/16/25 09:04
Total/NA	Analysis	NWTPH-Dx		1	490674	SW	EET SEA	04/22/25 02:25

Client Sample ID: MW-40-W-250409
Lab Sample ID: 580-149639-40
Date Collected: 04/09/25 13:55
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 18:30
Total/NA	Prep	3510C			490280	EM	EET SEA	04/16/25 09:12
Total/NA	Analysis	NWTPH-Dx		1	490402	T1L	EET SEA	04/17/25 16:54

Client Sample ID: D-28-W-250409
Lab Sample ID: 580-149639-41
Date Collected: 04/09/25 14:00
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 18:53

Lab Chronicle

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Client Sample ID: D-28-W-250409
Lab Sample ID: 580-149639-41
Date Collected: 04/09/25 14:00
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			490280	EM	EET SEA	04/16/25 09:12
Total/NA	Analysis	NWTPH-Dx		1	490402	T1L	EET SEA	04/17/25 17:14

Client Sample ID: TB-1-T-250410
Lab Sample ID: 580-149639-42
Date Collected: 04/10/25 09:00
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 12:42

Client Sample ID: TB-2-T-250410
Lab Sample ID: 580-149639-43
Date Collected: 04/10/25 09:30
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 13:05

Client Sample ID: FB-1-250410
Lab Sample ID: 580-149639-44
Date Collected: 04/10/25 10:00
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 19:16
Total/NA	Prep	3510C			490280	EM	EET SEA	04/16/25 09:12
Total/NA	Analysis	NWTPH-Dx		1	490402	T1L	EET SEA	04/17/25 17:34

Client Sample ID: RB-1-250410
Lab Sample ID: 580-149639-45
Date Collected: 04/10/25 10:30
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 13:51
Total/NA	Prep	3510C			490280	EM	EET SEA	04/16/25 09:12
Total/NA	Analysis	NWTPH-Dx		1	490402	T1L	EET SEA	04/17/25 17:55

Client Sample ID: TB-3-T-250410
Lab Sample ID: 580-149639-46
Date Collected: 04/10/25 11:00
Matrix: Water
Date Received: 04/10/25 11:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	NWTPH-Gx		1	490470	AA	EET SEA	04/18/25 13:28

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788-24	07-13-25

Sample Summary

Client: AECOM
Job ID: 580-149639-1
Project/Site: CEMREC Legacy Sites- Tacoma 2025

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-149639-1	MW-11-W-250407	Water	04/07/25 09:25	04/10/25 11:24
580-149639-2	MW-10-W-250407	Water	04/07/25 10:25	04/10/25 11:24
580-149639-3	MW-26-W-250407	Water	04/07/25 11:20	04/10/25 11:24
580-149639-4	D-17-W-250407	Water	04/07/25 12:10	04/10/25 11:24
580-149639-5	MW-30-W-250407	Water	04/07/25 13:10	04/10/25 11:24
580-149639-6	D-18-W-250407	Water	04/07/25 14:25	04/10/25 11:24
580-149639-7	MW-12-W-250407	Water	04/07/25 14:30	04/10/25 11:24
580-149639-8	DUP-1-WD-250407	Water	04/07/25 14:00	04/10/25 11:24
580-149639-9	D-09-W-250407	Water	04/07/25 15:15	04/10/25 11:24
580-149639-10	MW-36-W-250408	Water	04/08/25 09:55	04/10/25 11:24
580-149639-11	D-24-W-250408	Water	04/08/25 11:05	04/10/25 11:24
580-149639-12	MW-39-W-250408	Water	04/08/25 09:25	04/10/25 11:24
580-149639-13	D-27-W-250408	Water	04/08/25 10:15	04/10/25 11:24
580-149639-14	D-11-W-250408	Water	04/08/25 12:44	04/10/25 11:24
580-149639-15	D-22-W-250408	Water	04/08/25 11:30	04/10/25 11:24
580-149639-16	MW-34-W-250408	Water	04/08/25 12:25	04/10/25 11:24
580-149639-17	MW-27-W-250408	Water	04/08/25 11:41	04/10/25 11:24
580-149639-18	MW-38-W-250408	Water	04/08/25 12:45	04/10/25 11:24
580-149639-19	D-26-W-250408	Water	04/08/25 13:25	04/10/25 11:24
580-149639-20	D-25-W-250408	Water	04/08/25 15:05	04/10/25 11:24
580-149639-21	MW-37-W-250408	Water	04/08/25 15:40	04/10/25 11:24
580-149639-22	MW-33-W-250408	Water	04/08/25 13:20	04/10/25 11:24
580-149639-23	D-23-W-250408	Water	04/08/25 14:05	04/10/25 11:24
580-149639-24	D-02A-W-250408	Water	04/08/25 15:15	04/10/25 11:24
580-149639-25	MW-25-W-250408	Water	04/08/25 15:09	04/10/25 11:24
580-149639-26	D-10-W-250408	Water	04/08/25 13:55	04/10/25 11:24
580-149639-27	D-07-W-250409	Water	04/09/25 09:50	04/10/25 11:24
580-149639-28	D-12-W-250409	Water	04/09/25 09:44	04/10/25 11:24
580-149639-29	D-08-W-250409	Water	04/09/25 09:55	04/10/25 11:24
580-149639-30	MW-22-W-250409	Water	04/09/25 10:30	04/10/25 11:24
580-149639-31	RMW-01-W-250409	Water	04/09/25 10:35	04/10/25 11:24
580-149639-32	MW-23-W-250409	Water	04/09/25 10:50	04/10/25 11:24
580-149639-33	MW-28-W-250409	Water	04/09/25 11:25	04/10/25 11:24
580-149639-34	MW-29-W-250409	Water	04/09/25 11:26	04/10/25 11:24
580-149639-35	D-16-W-250409	Water	04/09/25 11:50	04/10/25 11:24
580-149639-36	MW-21-W-250409	Water	04/09/25 12:41	04/10/25 11:24
580-149639-37	D-19-W-250409	Water	04/09/25 12:40	04/10/25 11:24
580-149639-38	D-15-W-250409	Water	04/09/25 12:42	04/10/25 11:24
580-149639-39	D-14-W-250409	Water	04/09/25 13:35	04/10/25 11:24
580-149639-40	MW-40-W-250409	Water	04/09/25 13:55	04/10/25 11:24
580-149639-41	D-28-W-250409	Water	04/09/25 14:00	04/10/25 11:24
580-149639-42	TB-1-T-250410	Water	04/10/25 09:00	04/10/25 11:24
580-149639-43	TB-2-T-250410	Water	04/10/25 09:30	04/10/25 11:24
580-149639-44	FB-1-250410	Water	04/10/25 10:00	04/10/25 11:24
580-149639-45	RB-1-250410	Water	04/10/25 10:30	04/10/25 11:24
580-149639-46	TB-3-T-250410	Water	04/10/25 11:00	04/10/25 11:24

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: E. Richardson, K. McDowell, M. McDonald	Lab PM: Rachel Sester, Rachel.Sester@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com), Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390, 360 608 3212	E-Mail:	State of Origin:	Page: 1 of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 1693851			Other:
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

580-149639 COC

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	A		
MW-11-W-250407	4/7/25	0925	G	W	N		X	X	5	
MW-10-W-250407		1025	G	W	N		X	X	5	
MW-210-W-250407		1120	G	W	N		X	X	5	
D-17-W-250407		1210	G	W	N		X	X	5	
MW-30-W-250407		1310	G	W	N		X	X	5	
D-18-W-250407		1425	G	W	N		X	X	5	
MW-12-W-250407		1430	G	W	N		X	X	5	
DUP-1-WD-250407		1400	G	W	N		X	X	5	
D-09-W-250407		1515	G	W	N		X	X	5	
MW-30-W-250408	4/8/25	0955	G	W	N		X	X	5	
D-24-W-250408		1105	G	W	N		X	X	5	
MW-39-W-250408		0925	G	W	N		X	X	5	
D-27-W-250408		1015	G	W	N		X	X	5	
D-11-W-250408		1241	G	W	N		X	X	5	
D-22-W-250408		1130	G	W	N		X	X	5	
MW-34-W-250408		1225	G	W	N		X	X	5	
MW-27-W-250408		1141	G	W	N		X	X	5	
MW-38-W-250408		1245	G	W	N		X	X	5	
D-26-W-250408		1325	G	W		Y	X	X	15	MS/MSD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Mary McMillan	Date/Time: 4/10/25 1124	Company: AECOM	Received by: Brook Moore	Date/Time: 4/10/25 1124	Company: EETN	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

4/30/2025 (Rev. 1)

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: K. McDowell, M. McDonald, E. Richardson	Lab PM: Rachel Sester, Rachel.Sester@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com), Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390, 360 608 3212	E-Mail:	State of Origin:	Page: 2 of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 1693651			
Email:	WO #:			Other:
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	A	A	X	
D-25-W-250408	4/8/25	1505	G	W	N		X	X	5	
MW-37-W-250408		1540	G	W	N		X	X	5	
MW-33-W-250408		1320	G	W	N		X	X	5	
D-23-W-250408		1405	G	W	N		X	X	5	
D-02A-W-250408		1515	G	W	N		X	X	5	
MW-25-W-250408		1509	G	W	N		X	X	5	
D-10-W-250408	↓	1355	G	W	N		X	X	5	
D-07-W-250409	4/9/25	0950	G	W	N		X	X	5	
D-12-W-250409		0944	G	W	N		X	X	5	
D-08-W-250409		0955	G	W	N		X	X	5	
MW-22-W-250409		1030	G	W	N		X	X	5	
RMW-01-W-250409		1035	G	W	N		X	X	5	
MW-23-W-250409		1050	G	W	N		X	X	5	
MW-28-W-250409		1125	G	W	N		X	X	5	
MW-29-W-250409		1126	G	W	N		X	X	5	
D-16-W-250409		1150	G	W	N		X	X	5	
MW-21-W-250409		1241	G	W	N		X	X	5	
D-19-W-250409		1248	G	W	N		X	X	5	
D-15-W-250409	↓	1252	G	W	N		X	X	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4/10/25 1124	AECOM	Brook Moore	4/10/25 1124	EETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: E. Richardson, K. McDowell, M. McDonald	Lab PM: Rachel Sester, Rachel.Sester@ET.EurofinsUS.com	Carrier Tracking No(s):	COC No:
Client Contact: Brad Wynne (bradley.wynne@aecom.com), Christina Wheeler (christina.wheeler@aecom.com)	Phone: 972 358 4390, 360 608 3212	E-Mail:	State of Origin:	Page: 3 of 3
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 888 SW 5th Ave	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Portland	TAT Requested (days): 10 business days			
State, Zip: Oregon 97204	Compliance Project: Δ Yes Δ No			
Phone: 971 323 6262	PO #: 1693851			Other:
Email:	WO #:			
Project Name: CEMREC Legacy Sites - Tacoma	Project #: 60701804			
AECOM Project #: 60701804	SSOW#:			

Sample Identification (example: MW-10-W-YYMMDD)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	NWTPH-Gx	NWTPH-Dx	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
~~MW-24-W-250409~~	4/9/25		G	W	N	X	X		MM
D-H-W-250409	4/9/25	1335	G	W	N	X	X	5	
MW-40-W-250409		1355	G	W	N	X	X	5	
D-28-W-250409		1400	G	W	N	X	X	5	
TB-1-T-250410	4/10/25	0900	G	W	N	N	X	2	
TB-2-T-250410	4/10/25	0930	G	W	N	N	X	2	
FB-1-250[redacted]0410	4/10/25	1000	G	W	N	N	X	X	5
RB-1-250410	4/10/25	1030	G	W	N	N	X	X	5
TB-3-T-250410	4/10/25	1100	G	W	N	N	X		2

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Mary McDonald	Date/Time: 4/10/25 11:24	Company: AECOM	Received by: Brook Moore	Date/Time: 4/10/25 1129	Company: EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

4/30/2025 (Rev. 1)

AECOM 4/10/25

Therm. ID: TR15 Cor: 5.7 ° Unc: 5.7 °
Cooler Dsc: LB
Packing: Bulk FedEx:
Cust. Seal: Yes No UPS:
Blue Ice, Wet, Dry, None Lab Cour:
Other: LB

1/4

Therm. ID: TR15 Cor: 5.9 ° Unc: 5.9 °
Cooler Dsc: LB
Packing: Bulk FedEx:
Cust. Seal: Yes No UPS:
Blue Ice, Wet, Dry, None Lab Cour:
Other: LB

3/4

Therm. ID: TR15 Cor: 6.0 ° Unc: 6.2 °
Cooler Dsc: LB
Packing: Bulk FedEx:
Cust. Seal: Yes No UPS:
Blue Ice, Wet, Dry, None Lab Cour:
Other: LB

3/4

Therm. ID: TR15 Cor: 6.7 ° Unc: 6.7 °
Cooler Dsc: LB
Packing: Bulk FedEx:
Cust. Seal: Yes No UPS:
Blue Ice, Wet, Dry, None Lab Cour:
Other: LB

4/4

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-149639-1

Login Number: 149639
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	True	
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	Received same day of collection; chilling process has begun.
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix D

Summary Data Quality Reviews

AECOM
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Suite 1600
Seattle, WA 98101
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866 495 5288 fax

Memorandum

To	Brad Wynne, Project Manager Info FINAL
Subject	Summary Data Quality Review Chevron Environmental Management Company (CEMC) Legacy Sites – Tacoma Terminal 2025 1st Quarter Groundwater Sampling
From	Lucy Panteleeff, Chemist Jennifer B. Garner, Chemist
Date	February 18, 2025

The summary data quality review of 52 groundwater samples, 5 trip blanks, 1 rinsate blank, and 1 field blank collected between January 13 and January 17, 2025, has been completed. The samples were analyzed at the Eurofins laboratory located in Tacoma, Washington, for total petroleum hydrocarbons (TPHs) by Washington State Department of Ecology Methods NWTPH-Gx (gasoline-range TPH) and/or NWTPH-Dx (diesel-range and motor oil-range TPHs). The laboratory provided summary reports containing sample results and associated quality assurance (QA) and quality control (QC) data for all samples. For this report, the sample identifications (IDs) do not include the sample matrix and date suffixes (e.g., W-250113) unless required for clarity. The following samples are associated with Eurofins Seattle laboratory groups 580-147355-1 and 580-147415-1:

Sample ID	Laboratory Group	Laboratory ID	Analyses
MW-11-W-250113	580-147355-1	580-147355-1	TPHs
MW-30-W-250113		580-147355-2	TPHs
D-09-W-250113		580-147355-3	TPHs
MW-38-W-250114		580-147355-4	TPHs
D-26-W-250114		580-147355-5	TPHs
MW-37-W-250114		580-147355-6	TPHs
D-25-W-250114		580-147355-7	TPHs
MW-36-W-250114		580-147355-8	TPHs
D-24-W-250114		580-147355-9	TPHs
MW-28-W-250115		580-147355-10	TPHs
D-16-W-250115		580-147355-11	TPHs
MW-21-W-250115		580-147355-12	TPHs
D-06-W-250115		580-147355-13	TPHs
MW-18-W-250115		580-147355-14	TPHs
TB-1-T-250115		580-147355-15	Gasoline-range TPH only
TB-2-T-250115		580-147355-16	Gasoline-range TPH only
TB-3-T-250115		580-147355-17	Gasoline-range TPH only
TB-4-T-250115		580-147355-18	Gasoline-range TPH only
MW-10-W-250113		580-147355-19	TPHs
D-17-W-250113		580-147355-20	TPHs
MW-26-W-250113		580-147355-21	TPHs
MW-27-W-250114		580-147355-22	TPHs
D-11-W-250114		580-147355-23	TPHs
D-22-W-250114		580-147355-24	TPHs

AECOM

Summary Data Quality Review
CEMC Legacy Sites – Tacoma
2025 1st Quarter Groundwater Sampling
Eurofins Laboratory Groups: 580-147355-1 and 580-147415-1

Sample ID	Laboratory Group	Laboratory ID	Analyses
MW-34-W-250114	580-147355-1	580-147355-25	TPHs
MW-23-W-250114		580-147355-26	TPHs
D-27-W-250115		580-147355-27	TPHs
D-12-W-250115		580-147355-28	TPHs
RMW-1-W-250115		580-147355-29	TPHs
MW-39-W-250115		580-147355-30	TPHs
D-15-W-250115		580-147355-31	TPHs
MW-29-W-250115		580-147355-32	TPHs
D-18-W-250113		580-147355-33	TPHs
MW-24-W-250113		580-147355-34	TPHs
MW-33-W-250114		580-147355-35	TPHs
D-23-W-250114		580-147355-36	TPHs
D-10-W-250114		580-147355-37	TPHs
MW-25-W-250114		580-147355-38	TPHs
D-08-W-250114		580-147355-39	TPHs
MW-22-W-250115		580-147355-40	TPHs
D-07-W-250115		580-147355-41	TPHs
D-14-W-250115		580-147355-42	TPHs
MW-14-W-250115		580-147355-43	TPHs
MW-40-W-250115		580-147355-44	TPHs
DUP-1-WD-250115 [a]		580-147355-45	TPHs
MW-31-W-250116	580-147415-1	580-147415-1	TPHs
D-19-W-250116		580-147415-2	TPHs
D-02A-W-250116		580-147415-3	TPHs
MW-12-W-250116		580-147415-4	TPHs
D-28-W-250117		580-147415-5	TPHs
D-03A-W-250116		580-147415-6	TPHs
MW-32-W-250116		580-147415-7	TPHs
MW-13-W-250116		580-147415-8	TPHs
D-01-W-250116		580-147415-9	TPHs
DUP-02-WD-250116 [b]		580-147415-10	TPHs
MW-19-W-250117		580-147415-11	TPHs
FB-1-250117		580-147415-12	TPHs
RB-1-250117		580-147415-13	TPHs
TB-5-250117		580-147415-14	Gasoline-range TPH only

Notes:
[a] Field duplicate of MW-40
[b] Field duplicate of D-01
TB – trip blank
RB – rinsate blank
FB – field blank

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

Summary Data Quality Review
CEMC Legacy Sites – Tacoma
2025 1st Quarter Groundwater Sampling
Eurofins Laboratory Groups: 580-147355-1 and 580-147415-1

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, holding times, 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 may be assigned to results in these laboratory groups is included in Table 1. Qualifiers that may be assigned to results include:

- U - The analyte was analyzed but 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.

All QC parameters above were reviewed for all samples, where applicable, and data validation qualifiers were assigned when required.

Sample Receipt

Upon receipt by the laboratory the sample container information was compared to the associated chain-of-custody (COC) and the cooler temperatures were recorded. No discrepancies related to sample identification were noted and the coolers were received at temperatures within the EPA recommended limits of greater than 0°C and less than or equal to 6°C.

Organic Analyses

Samples were analyzed for TPHs using the methods identified in the introduction of this report.

1. Holding Times – Acceptable

2. Blanks – Acceptable

3. Surrogates – Acceptable except as noted below:

   Diesel-range TPH by NWTPH-Dx – The percent recovery for the surrogate o-terphenyl (171%) exceeded the control limits of 50-150% in D-26. The results for diesel-range and motor oil-range TPHs were qualified as estimated and flagged ‘J’ based on the elevated surrogate recovery.

4. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) – Acceptable

5. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

   General – MS/MSDs were performed using D-26 and MW-34 for all organic analyses. The results were acceptable.

6. Field Duplicates – Acceptable

   General – Field duplicates were submitted for MW-40 and D-01 and identified as DUP-1 and DUP-02, respectively. A relative percent difference (RPD) control limit of 30% was used to evaluate results reported at concentrations greater than five times the reporting limits. Results were comparable.

7. Reporting Limits – Acceptable

   General – The laboratory reported non-detect results using "ND." The result is considered not detected at the laboratory reporting limit.

8. Other Items of Note:

   Gasoline-range TPH by NWTPH-Gx – The percent difference (%D) for gasoline-range TPH exceeded the control limit of ±20% in the continuing calibration verification (CCV) associated with batch 580-482787. Gasoline-range TPH was not detected in the associated samples; therefore, data were not qualified based on the elevated CCV result.

   Diesel-range TPH by NWTPH-Dx – The %D for the surrogate o-terphenyl exceeded the control limit of ±20% in the CCV associated with batch 580-483701. Data were not qualified based on surrogate CCV outliers.

   The laboratory noted the following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern is not the typical diesel fuel pattern used by the laboratory for quantitative purposes in samples MW-11, MW-30, D-09, D-26, MW-37, D-25, D-24, MW-10, D-17, MW-26, MW-27, D-11, D-18, MW-24, D-23, D-10, D-08, MW-31, D-19, D-02A, MW-12, MW-13, D-01, DUP-02, and MW-19.

Overall Assessment of Data

The data reported in these laboratory groups, as qualified, are usable for meeting project objectives. The completeness for Eurofins laboratory groups 580-147355-1 and 580-147415-1 is 100%.

Table 1. Summary of Qualified Data

Sample ID	Laboratory ID	Method	Analyte	Laboratory Result	Units	Final Result
D-26	580-147355-5	NWTPH-Dx	Diesel-Range TPH	510	ug/L	510 J
D-26	580-147355-5	NWTPH-Dx	Motor Oil-Range TPH	470	ug/L	470 J

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Memorandum

To	Brad Wynne, Project Manager	Info	Final
Subject	Summary Data Quality Review Chevron Environmental Management Company (CEMC) Legacy Sites – Tacoma Terminal 2025 2nd Quarter Groundwater Sampling		
From	Christina Wheeler, Chemist Lucy Panteleeff, Chemist		
Date	May 7, 2025		

The summary data quality review of 52 groundwater samples, 4 trip blanks, 1 rinsate blank, and 1 field blank collected between April 7 and April 10, 2025, has been completed. The samples were analyzed at the Eurofins Seattle laboratory located in Tacoma, Washington, for total petroleum hydrocarbons (TPHs) by Washington State Department of Ecology Methods NWTPH-Gx (gasoline-range TPH) and/or NWTPH-Dx (diesel-range and motor oil-range TPHs). The laboratory provided summary reports containing sample results and associated quality assurance (QA) and quality control (QC) data for all samples. For these reports, the sample identifications (IDs) do not include the sample matrix and date suffixes (e.g., W-250407) unless required for clarity. The following samples are associated with Eurofins Seattle laboratory groups 580-149637-1 and 580-149639-1:

Sample ID	Laboratory Group	Laboratory ID	Analyses
MW-32-W-250410	580-149637-1	580-149637-1	TPHs
D-03A-W-250410		580-149637-2	TPHs
MW-24-W-250410		580-149637-3	TPHs
MW-31-W-250410		580-149637-4	TPHs
MW-14-W-250410		580-149637-5	TPHs
MW-19-W-250410		580-149637-6	TPHs
D-01-W-250410		580-149637-7	TPHs
DUP-02-WD-250410[a]		580-149637-8	TPHs
MW-18-W-250410		580-149637-9	TPHs
D-06-W-250410		580-149637-10	TPHs
MW-13-W-250410		580-149637-11	TPHs
TB-5-T-250410		580-149637-12	Gasoline-range TPH only
MW-11-W-250407	580-149639-1	580-149639-1	TPHs
MW-10-W-250407		580-149639-2	TPHs
MW-26-W-250407		580-149639-3	TPHs
D-17-W-250407		580-149639-4	TPHs
MW-30-W-250407		580-149639-5	TPHs
D-18-W-250407		580-149639-6	TPHs
MW-12-W-250407		580-149639-7	TPHs
DUP-1-WD-250407[b]		580-149639-8	TPHs
D-09-W-250407		580-149639-9	TPHs
MW-36-W-250408		580-149639-10	TPHs
D-24-W-250408		580-149639-11	TPHs
MW-39-W-250408		580-149639-12	TPHs

Summary Data Quality Review
CEMC Legacy Sites – Tacoma
2025 2nd Quarter Groundwater Sampling
Eurofins Laboratory Groups: 580-149637-1 and 580-149639-1

Sample ID	Laboratory Group	Laboratory ID	Analyses
D-27-W-250408	580-149639-1	580-149639-13	TPHs
D-11-W-250408		580-149639-14	TPHs
D-22-W-250408		580-149639-15	TPHs
MW-34-W-250408		580-149639-16	TPHs
MW-27-W-250408		580-149639-17	TPHs
MW-38-W-250408		580-149639-18	TPHs
D-26-W-250408		580-149639-19	TPHs
D-25-W-250408		580-149639-20	TPHs
MW-37-W-250408		580-149639-21	TPHs
MW-33-W-250408		580-149639-22	TPHs
D-23-W-250408		580-149639-23	TPHs
D-02A-W-250408		580-149639-24	TPHs
MW-25-W-250408		580-149639-25	TPHs
D-10-W-250408		580-149639-26	TPHs
D-07-W-250409		580-149639-27	TPHs
D-12-W-250409		580-149639-28	TPHs
D-08-W-250409		580-149639-29	TPHs
MW-22-W-250409		580-149639-30	TPHs
RMW-01-W-250409		580-149639-31	TPHs
MW-23-W-250409		580-149639-32	TPHs
MW-28-W-250409		580-149639-33	TPHs
MW-29-W-250409		580-149639-34	TPHs
D-16-W-250409		580-149639-35	TPHs
MW-21-W-250409		580-149639-36	TPHs
D-19-W-250409		580-149639-37	TPHs
D-15-W-250409		580-149639-38	TPHs
D-14-W-250409		580-149639-39	TPHs
MW-40-W-250409		580-149639-40	TPHs
D-28-W-250409		580-149639-41	TPHs
TB-1-T-250410		580-149639-42	Gasoline-range TPH only
TB-2-T-250410		580-149639-43	Gasoline-range TPH only
FB-1-250410		580-149639-44	TPHs
RB-1-250410		580-149639-45	TPHs
TB-3-T-250410		580-149639-46	Gasoline-range TPH only

Notes:
[a] Field duplicate of D-01
[b] Field duplicate of MW-12
TB – trip blank
RB – rinsate blank
FB – field blank

Data were evaluated based on validation criteria established in the *National Functional Guidelines for Organic Superfund Methods Data Review*, 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,

holding times, 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 may be assigned to results in these laboratory groups is included in Table 1. Qualifiers that may be assigned to results include:

- U - The analyte was analyzed but 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.

All QC parameters above were reviewed for all samples, where applicable, and data validation qualifiers were assigned when required.

Sample Receipt

Upon receipt by the laboratory, the sample container information was compared to the associated chain-of-custody (COC), and the cooler temperatures were recorded. No discrepancies related to sample identification were noted. The coolers were received at temperatures within the EPA recommended limits of greater than 0°C and less than or equal to 6°C, with the following exceptions. One cooler associated with laboratory group 580-149639-1 was received at 6.7°C; data were not qualified based on this cooler temperature. The cooler associated with laboratory group 580-149637-1 was received at 8.0°C; however, samples were preserved on ice and delivered to the laboratory within 5 hours of sample collection, therefore, data were not qualified based on this cooler temperature.

Organic Analyses

Samples were analyzed for TPHs using the methods identified in the introduction of this report.

1. Holding Times – Acceptable

2. Blanks – Acceptable

3. Surrogates – Acceptable except as noted below:

   Diesel-range TPH by NWTPH-Dx – The percent recoveries for the surrogate o-terphenyl in MW-30 (49%) and MW-12 (47%) were below the control limits of 50-150%. Diesel-range and motor oil-range TPH results in these samples were qualified as estimated and flagged ‘J’ based on these surrogate recoveries.

4. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) – Acceptable

5. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

   General – MS/MSDs were performed using D-26 for all organic analyses. The results were acceptable.

6. Field Duplicates – Acceptable

   General – Field duplicates were submitted for MW-12 and D-01 and identified as DUP-1 and DUP-02, respectively. A relative percent difference (RPD) criteria of 30% was used to evaluate results reported at concentrations greater than five times the reporting limits. Results were comparable.

7. Reporting Limits – Acceptable

   General – Non-detect results were denoted by the laboratory using "ND." The result is considered not detected above the laboratory reporting limit shown.

8. Other Items of Note:

   The laboratory noted that the hydrocarbon pattern detected in the diesel range was not the typical diesel fuel pattern used by the laboratory for quantitative purposes in the following samples MW-13, MW-14, MW-19, MW-11, MW-10, MW-26, D-17, MW-30, D-18, MW-12, DUP-1, D-09, D-24, MW-39, D-27, D-11, MW-27, D-26, D-25, MW-37, D-23, D-02A, MW-25, D-07, D-12, D-08, MW-22, RMW-01, MW-28, D-16, MW-21, D-19, and D-28.

Overall Assessment of Data

The data reported in these laboratory groups, as qualified, are usable for meeting project objectives. The completeness for Eurofins laboratory groups 580-149637-1 and 580-149639-1 is 100%.

Table 1. Summary of Qualified Data

Sample ID	Laboratory ID	Method	Analyte	Laboratory Result	Units	Final Result
MW-30	580-149639-5	NWTPH-Dx	Diesel-Range TPH	4700	ug/L	4700 J
MW-30	580-149639-5	NWTPH-Dx	Motor Oil-Range TPH	3400	ug/L	3400 J
MW-12	580-149639-7	NWTPH-Dx	Diesel-Range TPH	5400	ug/L	5400 J
MW-12	580-149639-7	NWTPH-Dx	Motor Oil-Range TPH	2100	ug/L	2100 J

Appendix E

Previous Groundwater Data 1992-2022

Previous Groundwater Data - 1992-2022

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-10																
09/23/92		99.71	6.35	--	93.36	--	--	--	--	--	--	--	--	--	--	--
01/11/93		99.71	4.15	--	95.56	--	--	--	--	--	--	--	--	--	--	--
06/04/93		99.71	4.18	--	95.53	ND	--	--	--	--	ND	ND	ND	ND	--	--
12/15/93		99.71	4.55	--	95.16	ND	**1,100**	--	--	--	ND	ND	ND	ND	--	0.058
06/03/94		99.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/01/94		99.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/09/95		99.71	2.89	--	96.82	69	**6,400**	--	**590**	--	ND	ND	ND	ND	--	ND
05/02/95		99.71	3.93	--	95.78	ND	**2,700**	--	**940**	--	ND	ND	ND	ND	--	ND
08/02/95		99.71	5.27	--	94.44	190	**32,000**	--	**4,700**	--	ND	ND	ND	ND	--	ND
12/05/95		99.71	2.84	--	96.87	72	**14,000**	--	**2,800**	--	ND	ND	ND	ND	--	ND
03/18/96		99.71	3.65	--	96.06	ND	**1,900**	--	ND	--	ND	ND	ND	ND	--	ND
06/26/96		99.71	4.82	--	94.89	--	**1,540**	--	ND	--	--	--	--	--	--	--
09/09/96		99.71	5.55	--	94.16	--	**2,260**	--	**840**	--	--	--	--	--	--	--
12/30/96		99.71	1.90	--	97.81	--	**885**	--	ND	--	--	--	--	--	--	--
03/07/97		99.71	2.55	--	97.16	--	**3,360**	--	ND	--	--	--	--	--	--	ND
06/09/97		99.71	2.85	--	96.86	--	ND	--	ND	--	--	--	--	--	--	ND
09/04/97		99.71	3.57	--	96.14	--	281	--	ND	--	--	--	--	--	--	ND
12/17/97		99.71	3.22	--	96.49	--	**933**	--	ND	--	--	--	--	--	--	--
06/01/98		99.71	4.71	--	95.00	--	**1,250**	--	ND	--	--	--	--	--	--	--
11/01/98		99.71	6.83	0.00	92.88	--	**1,120**	--	**790**	--	--	--	--	--	--	--
05/30/99		99.71	4.19	0.00	95.52	--	**1,370**	--	ND	--	--	--	--	--	--	--
06/11-12/00		99.71	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--	--
09/25/00		99.71	6.89	0.00	92.82	--	**6,080**	--	ND	--	--	--	--	--	--	--
04/04/02	NP	99.71	4.41	0.00	95.30	--	**4,100**	--	**1,500**	--	--	--	--	--	--	--
04/28/03	NP	99.71	4.06	0.00	95.65	--	**4,400**	--	**2,300**	--	--	--	--	--	--	--
04/15/04	NP	99.71	4.95	0.00	94.76	--	**40,000**	--	**23,000**	--	--	--	--	--	--	--
04/29/05	NP	99.71	4.47	0.00	95.24	--	**3,500**	--	**2,200**	--	--	--	--	--	--	--
04/27/06	NP	99.71	4.81	0.00	94.90	--	**5,800**	--	**1500**	--	--	--	--	--	--	--
12/09/08	LFP	99.45	4.85	0.00	94.60	ND	**710**	--	250	--	ND	ND	ND	ND	ND	--
08/31/10		99.45	6.27	0.00	93.18	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	ND	--
10/07/11		99.45	6.30	0.00	93.15	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
01/10/12		99.45	4.35	0.00	95.10	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--
04/11/12		99.45	3.90	0.00	95.55	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		99.45	4.84	0.00	94.61	55	200	--	**970**	--	<0.5	<0.5	<0.5	<1.5	--	--
10/08/12		99.45	7.66	0.00	91.79	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
01/08/13		99.45	3.82	0.00	95.63	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		99.45	4.21	0.00	95.24	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--
09/25-26/13		99.45	5.43	0.00	94.02	<50	--	**2,700**	--	**1,100**	<0.5	<0.5	<0.5	<1.5	--	--
11/05-06/13		99.45	5.08	0.00	94.37	74	--	**2,400**	--	450	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		99.45	5.08	0.00	94.37	110	--	**4,400**	--	**1,100**	<0.5	<0.5	<0.5	<1.5	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-10 cont.																
04/07-08/14		99.45	3.80	0.00	95.65	<50	<29	**2,800**	<67	**1,200**	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		99.45	6.32	0.00	93.13	**12,000**	300	410	110	130	**16**	280	150	**1,600**	--	--
10/07-08/14		99.45	6.02	0.00	93.43	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		99.45	3.56	0.00	95.89	<50	<28	**1,000**	<66	**790**	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/06-08/15		99.45	4.33	0.00	95.12	60	<29	**2,400**	<67	**700**	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		99.45	UNABLE TO ACCESS			--	--	--	--	--	--	--	--	--	--	--
10/19-20/15		99.45	UNABLE TO ACCESS			--	--	--	--	--	--	--	--	--	--	--
01/12-13/16		99.45	UNABLE TO ACCESS			--	--	--	--	--	--	--	--	--	--	--
04/23/16		99.45	UNABLE TO ACCESS			--	--	--	--	--	--	--	--	--	--	--
06/10-12/20		99.45	5.03	0.00	94.42	30	--	**2,700**	--	**1,000**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		99.45	7.07	0.00	92.38											
12/09/20		99.45	4.65	0.00	94.80	<19	<45	300	<100	340	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		99.45		0.00	99.45	78	--	**2,500**	--	**1,300**	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		99.45	3.13	0.00	96.32	19	--	93	--	120	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		99.45	3.85	0.00	95.60	39	--	**1,600**	--	**770**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		99.45	4.09	0.00	95.36	39	--	**1,100**	--	460	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		99.45	6.71	0.00	92.74	<43	INSUFFICIENT WATER FOR SAMPLE				<0.3	<0.3	<0.4	<1.4	--	--
MW-11																
06/04/93		101.33	4.68	--	96.65	ND	**11,000**	--	--	--	ND	ND	ND	ND	--	--
12/15/93		101.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/04/94		101.33	5.34	--	95.99	230	--	--	--	--	ND	ND	ND	0.7	--	3.6
11/01/94		101.33	5.85	--	95.48	--	--	--	--	--	--	--	--	--	--	--
02/09/95		101.33	3.97	--	97.36	58	**2,800**	--	420	--	ND	ND	ND	0.6	--	ND
05/02/95		101.33	4.59	--	96.74	ND	**8,600**	--	**1,600**	--	ND	ND	ND	ND	--	ND
08/02/95		101.33	5.44	--	95.89	--	--	--	--	--	--	--	--	--	--	--
12/05/95		101.33	3.80	--	97.53	ND	290	--	**930**	--	ND	ND	ND	ND	--	ND
03/18/96		101.33	4.50	--	96.83	61	**2,000**	--	ND	--	1.0	ND	ND	1.9	--	ND
06/26/96		101.33	4.90	--	96.43	--	**4,320**	--	**1,360**	--	--	--	--	--	--	--
09/09/96		101.33	5.65	--	95.68	--	--	--	--	--	--	--	--	--	--	--
12/30/96		101.33	2.60	--	98.73	--	370	--	ND	--	--	--	--	--	--	--
03/07/97		101.33	3.92	--	97.41	--	**1,100**	--	ND	--	--	--	--	--	--	ND
06/09/97		101.33	3.80	--	97.53	--	**3,090**	--	**1,090**	--	--	--	--	--	--	ND
09/04/97		101.33	5.84	--	95.49	--	--	--	--	--	--	--	--	--	--	--
12/17/97		101.33	4.51	--	96.82	--	**1,830**	--	ND	--	--	--	--	--	--	--
06/01/98		101.33	5.44	--	95.89	--	**1,360**	--	ND	--	--	--	--	--	--	--
11/01/98		101.33	5.87	0.00	95.46	--	**1,060**	--	**1,870**	--	--	--	--	--	--	--
05/30/99		101.33	5.31	0.00	96.02	--	**21,700**	--	ND	--	--	--	--	--	--	--
06/11-12/00		101.33	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--	--
09/25/00		101.33	5.85	0.00	95.48	--	**5,350**	--	**4,410**	--	--	--	--	--	--	--
01/26/01		101.33	5.38	0.00	95.95	--	ND	--	ND	--	--	--	--	--	--	--
01/09/02		101.33	4.24	0.00	97.09	--	<250	--	<500	--	--	--	--	--	--	--
04/04/02	NP	101.33	4.94	0.00	96.39	--	**9,900**	--	**2,300**	--	--	--	--	--	--	--
04/28/03	NP	101.33	4.89	0.00	96.44	--	**12,000**	--	**1,900**	--	--	--	--	--	--	--
04/15/04	NP	101.33	5.39	0.00	95.94	--	**2,700**	--	**710**	--	--	--	--	--	--	--
04/29/05	NP	101.33	5.18	0.00	96.15	--	**2,600**	--	**1,900**	--	--	--	--	--	--	--
04/27/06	NP	101.33	5.33	0.00	96.00	--	**2,000**	--	<510	--	--	--	--	--	--	--
12/10/08	NP	101.00	5.60	0.00	95.40	ND	--	--	--	--	ND	ND	ND	ND	ND	--

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Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-11 cont.																
08/31/10		101.00	5.75	0.00	95.25	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	ND	--
10/07/11		101.00	7.20	0.00	93.80	Dry	--	--	--	--	--	--	--	--	--	--
01/09/12		101.00	5.18	0.00	95.82	<50	<34	--	<79	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/12		101.00	6.80	0.00	94.20	Dry	--	--	--	--	--	--	--	--	--	--
07/09/12		101.00	5.66	0.00	95.34	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--
10/08/12		101.00	6.88	0.00	94.12	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
01/07/13		101.00	3.38	0.00	97.62	510	53	--	<67	--	1.4	<2.0	0.9	4.5	--	--
04/08/13		101.00	6.76	0.00	94.24	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
9/25-26/13		101.00	6.83	0.00	94.17	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
11/05-06/13		101.00	6.51	0.00	94.49	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
01/07-09/14		101.00	6.78	0.00	94.22	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
04/07-08/14		101.00	4.57	0.00	96.43	<50	<28	400	<66	360	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		101.00	6.48	0.00	94.52	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
10/07-08/14		101.00	5.97	0.00	95.03	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		101.00	4.38	0.00	96.62	<50	<28	**3,400**	<66	**700**	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/06-08/15		101.00	5.06	0.00	95.94	<50	<28	**3,000**	<66	**580**	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		101.00	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
10/19-20/15		101.00	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
01/12-13/16		101.00	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
04/23/16		101.00	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
06/10-12/20		101.00	5.71	0.00	95.29	37	--	**3,100**	--	**1,300**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		101.00	6.75	0.00	94.25											
12/08/20		101.00	6.15	0.00	94.85	INSUFFICIENT WATER FOR SAMPLE										
07/07/21		101.00		0.00	101.00	<19	--	240	--	**590**	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		101.00	4.30	0.00	96.70	23	--	340	--	190	<0.3	<0.2	<0.4	<0.4	<0.2	--
MW-12																
09/23/92		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/11/93		101.13	4.88	--	96.25	--	--	--	--	--	--	--	--	--	--	--
06/04/93		101.13	4.40	--	96.73	360	**9,200**	--	--	--	**120**	1.2	0.6	2.1	--	0.12 - 0.54
12/15/93		101.13	5.21	--	95.92	670	**6,400**	--	--	--	**400**	2.9	0.9	5.8	--	0.067 - 14
06/04/94		101.13	5.21	--	95.92	**840**	**8,100**	--	**1,500**	--	**240**	3.3	ND	2.8	--	13
11/01/94		101.13	5.31	--	95.82	**810**	**5,700**	--	**1,400**	--	**160**	1.7	0.7	4.5	--	0.12 - 28
02/09/95		101.13	3.68	--	97.45	87	**3,700**	--	**680**	--	**7.1**	ND	ND	ND	--	ND
05/02/95		101.13	4.17	--	96.96	490	**16,000**	--	**1,800**	--	**16**	0.58	ND	1.9	--	ND
08/02/95		101.13	5.28	--	95.85	270	**12,000**	--	**2,300**	--	**10**	0.83	ND	ND	--	ND
12/05/95		101.13	2.91	--	98.22	ND	420	--	**1,100**	--	ND	ND	ND	ND	--	ND
03/18/96		101.13	4.00	--	97.13	430	**5,400**	--	ND	--	1.5	1.2	0.95	4.7	--	ND
06/26/96		101.13	4.62	--	96.51	--	**12,600**	--	**2,920**	--	--	--	--	--	--	--
09/09/96		101.13	5.95	--	95.18	--	**9,680**	--	**1,470**	--	--	--	--	--	--	--
12/30/96		101.13	1.90	--	99.23	--	429	--	ND	--	--	--	--	--	--	--
03/07/97		101.13	3.03	--	98.10	105	**18,900**	--	**1,330**	--	1.85	ND	ND	ND	--	ND
06/09/97		101.13	4.23	--	96.90	--	**9,070**	--	**1,250**	--	--	--	--	--	--	ND
09/04/97		101.13	5.78	--	95.35	--	**14,000**	--	**1,500**	--	--	--	--	--	--	ND - 2.06
12/17/97		101.13	3.84	--	97.29	--	**4,500**	--	ND	--	--	--	--	--	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-12 cont.																
06/01/98		101.13	5.00	--	96.13	--	**7,050**	--	ND	--	--	--	--	--	--	--
11/01/98		101.13	5.44	0.00	95.69	--	**6,300**	--	ND	--	--	--	--	--	--	--
05/30/99		101.13	4.97	0.00	96.16	--	**22,200**	--	ND	--	--	--	--	--	--	--
06/11-12/00		101.13	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--	--
09/25/00		101.13	6.57	0.00	94.56	--	**12,000**	--	ND	--	--	--	--	--	--	--
01/26/01		101.13	5.05	0.00	96.08	--	ND	--	ND	--	--	--	--	--	--	--
01/09/02		101.13	3.46	0.00	97.67	--	310	--	<500	--	--	--	--	--	--	--
04/04/02	NP	101.13	4.48	0.00	96.65	--	**12,000**	--	**1,700**	--	--	--	--	--	--	--
04/28/03	NP	101.13	4.41	0.00	96.72	--	**22,000**	--	**3,200**	--	--	--	--	--	--	--
04/15/04	NP	101.13	5.00	0.00	96.13	--	**19,000**	--	**3,100**	--	--	--	--	--	--	--
04/29/05	NP	101.13	4.39	0.00	96.74	--	**17,000**	--	**3,200**	--	--	--	--	--	--	--
04/27/06	NP	101.13	4.88	0.00	96.25	--	**4,900**	--	**1,300**	--	--	--	--	--	--	--
12/09/08	LFP	101.04	5.19	0.00	95.85	150	**2,200**	--	250	--	ND	ND	ND	ND	ND	--
08/31/10		101.04	5.86	0.00	95.18	530	**2,600**	--	<360	--	<0.5	<0.5	<0.5	<0.5	ND	--
10/07/11		101.04	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
01/09/12		101.04	4.55	0.00	96.49	300	49	--	71	--	<2.0	<2.0	<0.5	1.5	--	--
04/11/12		101.04	4.05	0.00	96.99	130	<29	--	<69	--	<0.5	<0.5	<0.5	<5.0	--	--
07/09/12		101.04	5.36	0.00	95.68	490	**670**	--	**1,000**	--	1.4	<2.0	1.11	<6.0	--	--
10/09/12		101.04	6.54	0.00	94.50	670	32	--	<69	--	1.3	1.1	1.2	3.5	--	--
01/07/13		101.04	3.88	0.00	97.16	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		101.04	4.09	0.00	96.95	260	<28	--	<66	--	<0.5	<0.5	<0.5	<5.0	--	--
09/25-26/13		101.04	5.58	0.00	95.46	420	--	**6,800**	--	**870**	0.6	<2.0	0.6	1.7	--	--
11/05-06/13		101.04	5.27	0.00	95.77	220	--	**4,300**	--	380	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		101.04	5.62	0.00	95.42	260	--	**8,900**	--	**1,900**	<0.5	<0.5	<0.5	1.9	--	--
04/07-08/14		101.04	3.77	0.00	97.27	<50	<28	**3,000**	<66	**1,100**	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		101.04	4.88	0.00	96.16	**37,000**	**810**	**1,200**	140	200	**55**	910	420	**3,800**	--	--
10/07-08/14		101.04	6.02	0.00	95.02	<50	<29	110	<67	<67	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		101.04	3.63	0.00	97.41	140	<28	**6,900**	<66	**1,600**	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/06-08/15		101.04	4.57	0.00	96.47	220	32	**11,000**	<66	**1,100**	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		101.04	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
10/19-20/15		101.04	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
01/12-13/16		101.04	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
04/23/16		101.04	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
06/10-12/20		101.04	5.37	0.00	95.67	280	--	**14,000**	--	**3,700**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		101.04	6.44	0.00	94.60											
12/08/20		101.04	5.10	0.00	95.94	56	<47	**2,100**	<100	**1,000**	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		101.04		0.00	101.04	220	--	**13,000**	--	**3,900**	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		101.04	3.51	0.00	97.53	23	--	**4,000**	--	**1,700**	<0.3	<0.2	<0.4	<0.4	<0.2	--
MW-13																
09/23/92		102.54	5.23	--	97.31	**870**	**8,200**	--	--	--	**87**	4.0	4.0	6.0	--	--
01/11/93		102.54	6.26	--	96.28	--	--	--	--	--	--	--	--	--	--	--
06/04/93		102.54	5.95	--	96.59	ND	330	--	--	--	ND	ND	ND	ND	--	0.087
12/15/93		102.54	7.04	--	95.50	**1,000**	**27,000**	--	--	--	**35**	2.4	5.9	8.7	--	0.58 - 2.7
06/03/94		102.54	6.74	--	95.80	680	**27,000**	--	ND	--	**8.5**	1.1	2.0	1.6	--	1.5

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-13 cont.																
11/01/94		102.54	7.69	--	94.85	**1,500**	**20,000**	--	ND	--	**38**	3.2	8.7	9.2	--	0.15 - 7.8
02/09/95		102.54	4.83	--	97.71	130	**4,400**	--	**1,400**	--	2.0	ND	0.7	ND	--	ND
05/02/95		102.54	5.82	--	96.72	410	**14,000**	--	**2,200**	--	3.0	ND	2.1	ND	--	ND
08/02/95		102.54	7.25	--	95.29	750	**31,000**	--	**2,400**	--	**18**	2.5	13	3.0	--	ND
12/05/95		102.54	4.14	--	98.40	ND	**6,700**	--	**4,800**	--	ND	ND	ND	ND	--	ND
03/18/96		102.54	5.16	--	97.38	140	**10,000**	--	**2,500**	--	ND	ND	ND	2.6	--	ND
06/26/96		102.54	6.48	--	96.06	--	**8,110**	--	**2,640**	--	--	--	--	--	--	--
09/09/96		102.54	7.70	--	94.84	--	**35,800**	--	**2,810**	--	--	--	--	--	--	--
12/30/96		102.54	3.12	--	99.42	--	--	--	--	--	--	--	--	--	--	--
03/07/97		102.54	4.16	--	98.38	--	**960**	--	ND	--	--	--	--	--	--	ND
06/09/97		102.54	5.70	--	96.84	--	**1,620**	--	**1,050**	--	--	--	--	--	--	ND
09/04/97		102.54	7.59	--	94.95	--	**15,800**	--	**1,550**	--	--	--	--	--	--	ND
12/17/97		102.54	5.43	--	97.11	--	**11,100**	--	**1,630**	--	--	--	--	--	--	--
06/01/98		102.54	6.48	--	96.06	--	**1,490**	--	ND	--	--	--	--	--	--	--
11/01/98		102.54	7.77	0.00	94.77	--	**9,580**	--	**933**	--	--	--	--	--	--	--
05/30/99		102.54	6.34	0.00	96.20	--	**12,800**	--	ND	--	--	--	--	--	--	--
06/11-12/00		102.54	6.88	0.00	95.66	--	--	--	--	--	--	--	--	--	--	--
04/04/02	NP	102.54	5.52	0.00	97.02	--	**980**	--	<750	--	--	--	--	--	--	--
04/28/03	NP	102.54	5.45	0.00	97.09	--	**3,200**	--	440	--	--	--	--	--	--	--
04/15/04	NP	102.54	6.15	0.00	96.39	--	**2,100**	--	460	--	--	--	--	--	--	--
04/29/05	NP	102.54	5.55	0.00	96.99	--	**4,400**	--	**1,500**	--	--	--	--	--	--	--
04/27/06	NP	102.54	5.99	0.00	96.55	--	**1,800**	--	280	--	--	--	--	--	--	--
12/09/08	LFP	102.57	6.23	0.00	96.34	200	**4,000**	--	**520**	--	ND	ND	ND	ND	ND	--
08/31/10		102.57	7.44	0.00	95.13	<50	**2,500**	--	<360	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		102.57	8.00	0.00	94.57	190	42	--	<69	--	<0.5	<0.5	<0.5	1.8	--	--
01/10/12		102.57	5.95	0.00	96.62	<50	66	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--
04/10/12		102.57	5.45	0.00	97.12	<50	89	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		102.57	6.87	0.00	95.70	280	**2,100**	--	150	--	0.6	<0.5	<0.5	2.0	--	--
10/10/12		102.57	8.10	0.00	94.47	360	280	--	<66	--	1.1	0.7	<0.5	1.7	--	--
01/09/13		102.57	4.57	0.00	98.00	<50	510	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		102.57	5.54	0.00	97.03	<50	83	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
09/25-26/13		102.57	7.57	0.00	95.00	370	--	**4,000**	--	460	0.9	<2.0	0.7	1.5	--	--
11/05-06/13		102.57	6.84	0.00	95.73	120	--	**3,100**	--	**620**	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		102.57	6.94	0.00	95.63	400	--	**4,000**	--	**630**	0.5	<0.5	<0.5	1.8	--	--
04/07-08/14		102.57	5.39	0.00	97.18	<50	83	**600**	<68	430	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		102.57	7.51	0.00	95.06	140	400	**2,500**	<67	420	<0.5	<0.5	<0.5	<1.5	--	--
10/07-08/14		102.57	8.03	0.00	94.54	<50	35	54	<69	<69	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		102.57	5.00	0.00	97.57	300	**1,300**	**2,700**	<66	**820**	<0.5	<0.5	0.7	<1.5	<2.5	--
04/06-08/15		102.57	5.99	0.00	96.58	<50	55	420	<66	80	<0.5	<0.5	0.7	<1.5	--	--
07/23/15		102.57	7.80	0.00	94.77	400	**1,100**	**3,100**	<100	**650**	<0.5	<0.5	0.6	1.7	--	--

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Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-13 cont.																
10/19-20/15		102.57	7.73	0.00	94.84	230	150	**5,800**	<100	**720**	<0.2	<0.2	0.4	0.8	--	--
01/12-13/16		102.57	5.07	0.00	97.50	100	**740**	**2,200**	<100	**650**	<0.2	<0.2	<0.2	<0.2	--	--
04/23/16		102.57	6.11	0.00	96.46	<50	62	**530**	<100	140	<0.2	<0.2	<0.2	<0.2	--	--
06/10-12/20		102.57	6.98	0.00	95.59	460	--	**3,600**	--	**690**	<1.0	0.30	<1.0	<3.0	--	--
09/19/20		102.57	8.05	0.00	94.52											
12/10/20		102.57	6.50	0.00	96.07	390	**2,300**	**5,200**	<100	340	<0.2	<0.2	<0.4	<1.4	--	--
07/06/21		102.57		0.00	102.57	510	--	**6,500**	--	**570**	<0.3	<0.4	<0.2	<0.4	--	--
11/29/21		102.57	4.67	0.00	97.90	110	--	**4,800**	--	360	<0.3	<0.4	<0.2	<0.4	<0.2	--
04/05/22		102.57	5.70	0.00	96.87	28	--	460	--	120	<0.3	<0.4	<0.2	<0.4	<0.2	--
06/22/22		102.57	6.13	0.00	96.44	170	--	220	--	<100	<0.3	<0.4	<0.2	<0.4	--	--
10/06/22		102.57	7.96	0.00	94.61	400	--	**15,000**	--	**570**	<0.3	<0.3	<0.4	<1.4	--	--
MW-14																
09/23/92		102.25	5.26	--	96.99	**1,100**	**9,800**	--	--	--	**200**	11	3.0	7.0	--	--
01/11/93		102.25	5.25	--	97.00	--	--	--	--	--	--	--	--	--	--	--
06/04/93		102.25	4.90	--	97.35	ND	**9,700**	--	--	--	2.2	ND	ND	ND	--	--
12/15/93		102.25	6.18	--	96.07	470	**9,500**	--	--	--	**72**	0.6	1.9	4.2	--	0.48 - 1.0
06/03/94		102.25	5.71	--	96.54	**830**	**4,300**	--	**980**	--	**29**	1.0	1.3	0.7	--	ND
11/01/94		102.25	6.76	--	95.49	ND	**5,400**	--	**1,700**	--	3.8	ND	ND	0.5	--	0.11
02/09/95		102.25	3.85	--	98.40	ND	**1,700**	--	**1,100**	--	ND	ND	ND	ND	--	ND
05/02/95		102.25	4.74	--	97.51	ND	**4,200**	--	**2,200**	--	0.65	0.58	ND	ND	--	ND
08/02/95		102.25	6.64	--	95.61	140	**21,000**	--	**4,800**	--	**17**	1.8	1.6	ND	--	ND
12/05/95		102.25	3.16	--	99.09	ND	**9,300**	--	**3,900**	--	3.0	ND	ND	ND	--	ND
03/18/96		102.25	4.20	--	98.05	230	**11,000**	--	**2,900**	--	**8.9**	ND	ND	6.9	--	ND
06/26/96		102.25	5.75	--	96.50	--	**39,300**	--	**4,600**	--	--	--	--	--	--	--
09/09/96		102.25	7.00	--	95.25	--	**58,200**	--	**4,450**	--	--	--	--	--	--	--
12/30/96		102.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/97		102.25	2.96	--	99.29	98	**9,230**	--	**1,310**	--	0.545	ND	ND	ND	--	ND
06/09/97		102.25	4.75	--	97.50	--	**10,000**	--	**2,240**	--	--	--	--	--	--	ND
09/04/97		102.25	6.74	--	95.51	--	**42,700**	--	ND	--	--	--	--	--	--	ND - 1.90
12/17/97		102.25	3.90	--	98.35	--	**4,860**	--	**1,710**	--	--	--	--	--	--	--
06/01/98		102.25	5.58	--	96.67	--	**2,270**	--	ND	--	--	--	--	--	--	--
11/01/98		102.25	7.30	0.00	94.95	--	**8,620**	--	**2,030**	--	--	--	--	--	--	--
05/30/99		102.25	5.37	0.00	96.88	--	**15,700**	--	**1,590**	--	--	--	--	--	--	--
06/11-12/00		102.25	5.81	0.00	96.44	--	--	--	--	--	--	--	--	--	--	--
04/04/02	NP	102.25	4.69	0.00	97.56	--	**1,100**	--	<750	--	--	--	--	--	--	--
04/28/03	NP	102.25	4.52	0.00	97.73	--	**820**	--	470	--	--	--	--	--	--	--
04/15/04	NP	102.25	5.29	0.00	96.96	--	**4,400**	--	**2,800**	--	--	--	--	--	--	--
04/29/05	NP	102.25	4.50	0.00	97.75	--	**740**	--	**580**	--	--	--	--	--	--	--
04/27/06	NP	102.25	4.99	0.00	97.26	--	400	--	140	--	--	--	--	--	--	--
12/10/08	LFP	102.30	5.26	0.00	97.04	ND	**520**	--	210	--	ND	ND	ND	ND	ND	--
08/31/10		102.30	7.69	0.00	94.61	<50	**1,200**	--	**940**	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		102.30	8.30	0.00	94.00	<50	**2,000**	--	**1,100**	--	<0.5	<0.5	<0.5	<1.5	--	--
01/10/12		102.30	5.65	0.00	96.65	<50	**680**	--	320	--	<0.5	<0.5	<0.5	<1.5	--	--
04/10/12		102.30	5.70	0.00	96.60	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		102.30	6.93	0.00	95.37	<50	**2,900**	--	**1,400**	--	<0.5	<0.5	<0.5	<1.5	--	--
10/09/12		102.30	8.45	0.00	93.85	<50	290	--	250	--	<0.5	<0.5	<0.5	<1.5	--	--
01/08/13		102.30	4.99	0.00	97.31	<50	30	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-14 cont.																
04/09/13		102.30	5.50	0.00	96.80	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--
09/25-26/13		102.30	7.08	0.00	95.22	<51	--	**720**	--	**550**	<0.5	<0.5	<0.5	<1.6	--	--
11/05-06/13		102.30	6.77	0.00	95.53	<50	--	480	--	310	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		102.30	6.76	0.00	95.54	<50	--	**530**	--	440	<0.5	<0.5	<0.5	<1.5	--	--
04/07-08/14		102.30	5.56	0.00	96.74	<50	62	440	<67	440	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		102.30	7.37	0.00	94.93	<50	<28	340	<66	220	<0.5	<0.5	<0.5	<1.5	--	--
10/07-08/14		102.30	8.39	0.00	93.91	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		102.30	5.30	0.00	97.00	<50	**510**	**1,300**	400	**1,400**	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/06-08/15		102.30	6.04	0.00	96.26	<50	<28	200	<66	220	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		102.30	8.07	0.00	94.23	<50	110	**920**	<100	**500**	<0.5	<0.5	<0.5	<1.5	--	--
10/19-20/15		102.30	9.77	0.00	92.53	<50	<46	**2,600**	<100	**960**	<0.2	<0.2	<0.2	<0.2	--	--
01/12-13/16		102.30	5.41	0.00	96.89	<50	140	**860**	<100	**740**	<0.2	<0.2	<0.2	<0.2	--	--
04/23/16		102.30	6.26	0.00	96.04	<50	<46	150	<100	<100	<0.2	<0.2	<0.2	<0.2	--	--
06/10-12/20		102.30	6.86	0.00	95.44	<260	--	**3,600**	--	**7,600**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		102.30	8.39	0.00	93.91											
12/08/20		102.30	5.80	0.00	96.50	<19	**850**	**1,600**	**580**	**1,200**	<0.2	<0.2	<0.4	<1.4	--	--
07/06/21		102.30		0.00	102.30	<19	--	410	--	230	<0.2	<0.4	<0.2	<0.4	--	--
11/29/21		102.30	5.22	0.00	97.08	<19	--	**1,200**	--	**670**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		102.30	6.19	0.00	96.11	<22	--	79	--	<250	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22		102.30	6.19	0.00	96.11	<43	--	490	--	150	<0.3	<0.3	<0.4	<1.4	--	--
MW-18																
08/31/10		104.12	9.27	0.00	94.85	320	**2,700**	--	<370	--	**5**	<0.5	<0.5	<0.5	--	--
10/07/11		104.12	8.10	0.00	96.02	100	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--
01/10/12		104.12	8.00	0.00	96.12	540	120	--	<67	--	<2.0	0.8	0.9	2.9	--	--
04/11/12		104.12	7.55	0.00	96.57	340	<30	--	<69	--	<2.0	<0.5	0.5	3.3	--	--
07/10/12		104.12	8.83	0.00	95.29	760	**520**	--	160	--	1.6	0.9	1.2	<6.0	--	--
10/10/12		104.12	9.85	0.00	94.27	410	51	--	<66	--	1.2	0.6	0.7	2.5	--	--
01/09/13		104.12	7.20	0.00	96.92	610	160	--	<68	--	1.6	<2.0	1.0	5.4	--	--
04/09/13		104.12	7.77	0.00	96.35	310	68	--	<66	--	<0.5	0.6	0.8	2.6	--	--
09/25-26/13		104.12	9.24	0.00	94.88	600	--	**4,300**	--	**760**	1.6	<2.0	1.2	3.7	--	--
11/05-06/13		104.12	5.88	0.00	98.24	**1,000**	--	**3,700**	--	**650**	1.9	1.3	1.6	<8.0	--	--
01/07-09/14		104.12	8.60	0.00	95.52	**940**	--	**6,300**	--	**1,100**	2.2	1.2	1.4	6.8	--	--
04/07-08/14		104.12	7.50	0.00	96.62	620	110	**2,400**	<67	**510**	<2.0	0.7	0.9	<5.0	--	--
07/07-09/14		104.12	8.93	0.00	95.19	**4,500**	72	98	<68	<68	2.2	52	40	460	--	--
10/07-08/14		104.12	8.08	0.00	96.04	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		104.12	7.17	0.00	96.95	620	43	**3,300**	<66	**630**	<2.0	<2.0	1.4	<6.0	<2.5	--
04/06-08/15		104.12	8.08	0.00	96.04	540	150	**3,500**	<66	**810**	<0.9	<0.6	1.0	<5.0	--	--
07/23/15		104.12	9.69	0.00	94.43	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
10/19-20/15		104.12	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--
01/12-13/16		104.12	7.15	0.00	96.97	510	85	**4,800**	<100	**650**	<0.2	0.3	<0.5	1.1	--	--
04/23/16		104.12	9.39	0.00	94.73	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
06/10-12/20		104.12	9.23	0.00	94.89	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
09/19/20		104.12	DRY	--	--											
12/08/20		104.12	9.17	0.00	94.95	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
07/06/21		104.12		0.00	104.12											
11/29/21		104.12	6.73	0.00	97.39	26	--	**510**	--	230	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		104.12	7.79	0.00	96.33	**1,000**	--	**5,500**	--	**530**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/22/22		104.12	8.18	0.00	95.94	**950**	--	**790**	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
10/06/22		104.12	DRY	--	--	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
MW-19																
08/31/10		101.41	6.07	0.00	95.34	**2,900**	**8,800**	--	<1,700	--	1	3	11	9	--	--
10/07/11		101.41	6.65	0.00	94.76	**2,300**	440	--	<69	--	**9.8**	4.2	6.5	12	--	--
01/10/12		101.41	4.70	0.00	96.71	**3,100**	470	--	<67	--	**9.1**	3.5	9.1	12	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-19 cont.																
04/11/12		101.41	4.15	0.00	97.26	**1,200**	**540**	--	<68	--	1.3	1.4	3.6	5.9	--	--
07/10/12		101.41	5.53	0.00	95.88	**2,900**	**2,900**	--	350	--	3.1	4.3	9.7	18	--	--
10/10/12		101.41	6.74	0.00	94.67	**1,600**	150	--	<66	--	<6.0	3.3	5.7	8.5	--	--
01/09/13		101.41	3.36	0.00	98.05	110	89	--	<67	--	<0.5	<2.0	<0.5	1.6	--	--
04/09/13		101.41	4.33	0.00	97.08	**1,500**	400	--	<66	--	2.1	2.1	3.9	<7.0	--	--
09/25-26/13		101.41	5.98	0.00	95.43	**2,000**	--	**21,000**	--	**1,700**	2.5	2.5	5.2	<11	--	--
11/05-06/13		101.41	5.47	0.00	95.94	**2,400**	--	**12,000**	--	**1,300**	3.2	2.8	8.1	<14	--	--
01/07-09/14		101.41	5.57	0.00	95.84	**2,400**	--	**11,000**	--	<670	3.8	3.2	6.6	14	--	--
04/07-08/14		101.41	4.08	0.00	97.33	**1,000**	290	**22,000**	<67	**1,900**	0.8	0.6	1.7	<5.0	--	--
07/07-09/14		101.41	5.63	0.00	95.78	**1,900**	39	42	<68	<68	0.5	13	13	170	--	--
10/07-08/14		101.41	7.96	0.00	93.45	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		101.41	3.76	0.00	97.65	**1,500**	**7,400**	**10,000**	<1,700	<3,300	<4.0	1.9	3.6	<9.0	<9.0	--
04/06-08/15		101.41	4.18	0.00	97.23	**990**	**500**	**16,000**	<66	**3,100**	1.5	1.3	2.4	5.6	--	--
07/23/15		101.41	6.38	0.00	95.03	**2,400**	370	**12,000**	<100	<1,000	3.5	3.3	3.5	9.5	--	--
10/19-20/15		101.41	6.32	0.00	95.09	**3,000**	250	**27,000**	<100	**2,000**	3.5	2.7	3.5	7.0	--	--
01/12-13/16		101.41	3.76	0.00	97.65	**870**	**1,900**	**14,000**	270	**2,700**	0.7	0.6	1.0	2.4	--	--
04/23/16		101.41	4.77	0.00	96.64	**1,700**	**5,000**	**51,000**	**650**	<5,200	1.7	0.9	1.6	########	--	--
06/10-12/20		101.41	5.65	0.00	95.76	**1,100**	--	**29,000**	--	13,000	0.2	########	#########	########	--	--
09/19/20		101.41	6.68	0.00	94.73											
12/08/20		101.41	5.60	0.00	95.81	**1,900**	**1,900**	**45,000**	**420**	**1,200**	0.4	########	1.0	########	--	--
07/07/21		101.41		0.00	101.41	500	--	**5,300**	--	**1,800**	<0.3	<0.	<0.4	<0	--	--
11/29/21		101.41	2.49	0.00	98.92	80	--	**18,000**	--	**1,900**	<0.3	<0.	<0.4	<0	<0	--
MW-20																
08/31/10		100.99	5.31	0.00	95.68	**1,700**	**7,600**	--	**2,300**	--	**59**	6	11	6	--	--
10/07/11		100.99	5.95	0.00	95.04	**2,700**	**1,500**	--	430	--	**14**	4.2	5.2	4.2	--	--
01/10/12		100.99	3.70	0.00	97.29	**3,700**	**980**	--	<67	--	**130**	7.2	19	16	--	--
04/11/12		100.99	3.30	0.00	97.69	**2,400**	**990**	--	<67	--	**88**	6.5	15	23	--	--
07/10/12		100.99	4.66	0.15	96.45	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
10/08/12		100.99	6.43	0.41	94.89	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
01/08/13		100.99	3.90	0.02	97.11	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
04/08/13		100.99	3.42	0.02	97.59	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
09/25-26/13		100.99	5.07	0.03	95.94	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
11/05-06/13		100.99	6.81	0.29	94.41	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
01/07-09/14		100.99	UNABLE TO GAUGE DEPTH DUE TO PRODUCT					--	--	--	--	--	--	--	--	
04/07-08/14		100.99	3.55	0.03	97.46	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
07/07-09/14		100.99	5.96	0.08	95.09	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
10/07-08/14		100.99	6.16	0.05	94.87	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
01/06-07/15		100.99	3.61	0.02	97.40	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
04/06-08/15		100.99	UNABLE TO GAUGE DEPTH DUE TO PRODUCT					--	--	--	--	--	--	--	--	
07/23/15		100.99	5.80	0.07	95.25	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
10/19-20/15		100.99	5.61	0.03	95.40	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
01/12-13/16		100.09	3.14	0.04	96.98	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
04/23/16		100.09	7.19	0.28	93.12	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
06/10-12/20		100.09	4.75	0.02	95.36	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
09/19/20		100.09	6.05	0.00	94.04											
12/08/20		100.09	5.60	0.03	94.51	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
07/06/21		100.09				NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--
11/29/21		100.09	2.83	0.05	97.30	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--	--	--	--

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Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-21																
08/31/10		100.60	4.93	0.00	95.67	230	**1,400**	--	**960**	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		100.60	5.30	0.00	95.30	**820**	**1,200**	--	290	--	<0.5	<0.5	1.2	5.9	--	--
01/10/12		100.60	2.90	0.00	97.70	250	<29	--	<67	--	<0.5	<0.5	<0.5	1.9	--	--
04/10/12		100.60	2.85	0.00	97.75	130	58	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		100.60	4.07	0.00	96.53	330	**610**	--	190	--	0.8	<0.5	0.6	<6.0	--	--
10/10/12		100.60	5.53	0.00	95.07	450	**1,900**	--	**1,200**	--	0.9	0.7	1	4.1	--	--
01/08/13		100.60	2.54	0.00	98.06	260	63	--	<66	--	0.6	0.5	<0.5	4.1	--	--
04/09/13		100.60	2.78	0.00	97.82	230	43	--	<66	--	<0.5	<0.5	<0.5	2.8	--	--
09/25-26/13		100.60	4.24	0.00	96.36	520	--	**2,400**	--	**870**	<2.5	0.6	0.70	4.6	--	--
11/05-06/13		100.60	3.89	0.00	96.71	370	--	**2,500**	--	**1,400**	<0.5	<0.5	<0.5	<4.0	--	--
01/07-09/14		100.60	3.77	0.00	96.83	370	--	**2,100**	--	**600**	<2.0	<0.5	0.6	4.0	--	--
04/07-08/14		100.60	2.78	0.00	97.82	93	32	**1,300**	<67	**1,400**	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		100.60	4.72	0.00	95.88	350	**540**	**2,000**	<68	**890**	<2.0	<0.5	0.6	<5.0	--	--
10/07-08/14		100.60	5.66	0.00	94.94	<50	110	140	<67	<67	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		100.60	3.48	0.00	97.12	180	48	**1,300**	<66	**820**	<0.5	<0.5	<0.5	<3.0	<2.5	--
04/06-08/15		100.60	3.19	0.00	97.41	130	49	**1,300**	<67	**730**	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		100.60	5.24	0.00	95.36	700	150	**1,600**	<100	**1,300**	<0.5	<0.8	1.1	3.4	--	--
10/19-20/15		100.60	4.83	0.00	95.77	630	150	**2,400**	<100	**990**	<0.2	<0.2	0.9	2.3	--	--
01/12-13/16		100.60	2.21	0.00	98.39	290	<45	**1,800**	<100	**1,800**	<0.2	<0.2	<0.4	1.3	--	--
04/23/16		100.60	3.44	0.00	97.16	400	72	**1,400**	<100	**1,600**	<0.2	0.3	0.5	1.2	--	--
06/10-12/20		100.60	3.97	0.00	96.63	27	--	**760**	--	**1,200**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		100.60	5.62	0.00	94.98											
12/08/20		100.60	3.03	0.00	97.57	19	<46	360	<100	**630**	<0.2	<0.2	<0.4	<1.4	--	--
07/06/21		100.60	3.03	0.00	97.57	160	--	**840**	--	**770**	<0.3	<0.4	<0.2	<0.4	--	--
11/29/21		100.60	2.64	0.00	97.96	<19	--	430	--	**770**	<0.3	<0.2	<0.4	<0.4	<0.2	--
MW-22																
08/31/10		100.62	6.21	0.00	94.41	81	**2,300**	--	**1,100**	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		100.62	6.55	0.00	94.07	300	**950**	--	440	--	0.7	<0.5	<0.5	2.8	--	--
01/09/12		100.62	5.42	0.00	95.20	590	**14,000**	--	**6,500**	--	<2.0	<0.5	<0.5	1.9	--	--
04/10/12		100.62	4.90	0.00	95.72	56	65	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		100.62	5.74	0.00	94.88	520	**6,700**	--	**2,400**	--	0.6	<0.5	0.6	3.5	--	--
10/09/12		100.62	6.63	0.00	93.99	280	**4,900**	--	**2,600**	--	0.5	0.6	0.6	2.7	--	--
01/08/13		100.62	4.90	0.00	95.72	70	220	--	150	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		100.62	5.13	0.00	95.49	52	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--
09/25-26/13		100.62	6.12	0.00	94.50	350	--	**3,300**	--	**1,200**	0.7	0.7	0.70	3.3	--	--
11/05-06/13		100.62	5.73	0.00	94.89	360	--	**3,500**	--	**1,800**	0.7	<1.0	0.6	2.9	--	--
01/07-09/14		100.62	5.87	0.00	94.75	390	--	**3,200**	--	**930**	<2.0	0.6	0.7	3.9	--	--
04/07-08/14		100.62	4.88	0.00	95.74	150	52	**2,800**	<66	**2,100**	<0.5	<0.5	<0.5	<1.5	--	
07/07-09/14		100.62	5.90	0.00	94.72	370	**790**	**3,800**	260	**1,800**	<2.0	0.6	0.6	3.5	--	--
10/07-08/14		100.62	6.73	0.00	93.89	<50	34	47	<68	<68	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		100.62	4.75	0.00	95.87	120	36	**2,800**	<68	**1,100**	<0.5	<0.5	<0.5	<1.7	<2.5	--
04/06-08/15		100.62	5.24	0.00	95.38	130	73	**3,000**	<66	**840**	<0.6	<0.5	<0.5	<1.5	--	--
07/23/15		100.62	6.38	0.00	94.24	420	**3,800**	**5,800**	**1,600**	**2,700**	0.5	<0.5	0.6	3.2	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-22 cont.																
10/19-20/15		100.62	6.41	0.00	94.21	550	**9,300**	**22,000**	**4,200**	**12,000**	<0.2	0.9	0.8	3.7	--	--
01/12-13/16		100.62	4.75	0.00	95.87	450	210	**3,000**	<100	**2,300**	<0.4	0.2	<0.6	1.8	--	--
04/23/16		100.62	5.26	0.00	95.36	490	**1,200**	**1,100**	410	390	<2.0	0.6	0.6	2.8	--	--
06/10-12/20		100.62	5.85	0.00	94.77	330	--	**15,000**	--	**8,500**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		100.62	7.25	0.00	93.37											
12/08/20		100.62	5.61	0.00	95.01	310	**1,500**	**3,600**	**760**	**2,200**	<0.2	<0.2	<0.4	<1.4	--	--
07/06/21		100.62		0.00	100.62	**950**	--	**2,800**	--	**1,500**	<0.30	0.28	<0.4	0.78	--	--
11/30/21		100.62	4.65	0.00	95.97	320	--	**1,800**	--	**1,400**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		100.62	5.03	0.00	95.59	380	--	**2,600**	--	**1,700**	<0.3	0.25	<0.4	<0.4	<0.2	--
06/22/22		100.62	5.28	0.00	95.34	360	--	**2,300**	--	**910**	<0.3	0.28	<0.4	0.75	--	--
10/05/22		100.62	6.55	0.00	94.07	500	--	**10,000**	--	**5,300**	<0.3	<0.3	<0.4	<1.4	--	--
MW-23																
02/21/19		--	--	--	--	--	--	65	--	<110	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	6.67	0.00	--	<250	--	<100	--	<260	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	7.36	0.00	--	--	--	--	--							
12/08/20		--	6.67	0.00	--	<19	72	64	160	<100	<0.2	<0.2	<0.4	<1.4	--	--
07/06/21		--		0.00	--	<19	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		--	5.28	0.00	--	<19	--	<48	--	<110	<0.3	<0.2	<0.4	<0.4	--	--
04/06/22		--	6.03	0.00	--	<19	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
06/20/22		--	5.93	0.00	--	<22	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	7.27	0.00	--	<43	--	<46	--	<100	<0.3	<0.3	<0.4	<1.4	--	--
MW-24																
02/21/19		--	5.65	0.00	--	<250	--	**1,600**	--	350	<0.2	<0.2	<0.4	<1	<1	ND
06/10-12/20		--	6.34	0.00	--	<250	--	**1,000**	--	**900**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	7.05	0.00	--											
12/08/20		--	6.89	0.00	--	<19	<46	210	<100	<100	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		--	6.89	0.00	--	<19	--	270	--	200	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	5.09	0.00	--	38	--	**3,500**	--	**930**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	5.12	0.00	--	34	--	**1,100**	--	350	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	5.43	0.00	--	29	--	**1,300**	--	300	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22		--	UNABLE TO ACCESS													
MW-25																
02/21/19		--	--	--	--	--	--	73	--	<110	0.4	<0.2	<0.4	<1	--	--
12/08/20		--	4.51	0.00	--	**1,200**	270	490	**1,600**	**2,900**	1.1	0.33	0.87	<1.4	--	--
07/08/21		--		0.00	--	**1,700**	--	180	--	190	2.9	0.86	2.5	<0.4	--	--
12/01/21		--	3.33	0.00	--	400	--	98	--	<100	0.56	<0.2	0.52	<0.4	<0.2	--
04/06/22		--	3.66	0.00	--	**940**	--	190	--	<110	1.7	0.47	1.2	<0.4	<0.2	--
06/21/22		--	4.04	0.00	--	**1,500**	--	350	--	140	1.7	0.67	2.2	<0.4	--	--
10/05/22		--	5.66	0.00	--	**1,400**	--	320	--	110	1.3	0.54	1.9	<1.4	--	--
MW-26																
02/21/19		--	3.40	0.00	--	<250	--	430	--	160	<0.2	<0.2	<0.4	<1	<1	ND
06/10-12/20		--	4.33	0.00	--	44	--	**3,600**	--	**1,400**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	5.25	0.00	--											
12/09/20		--	4.08	0.00	--	20	<46	**510**	<100	310	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		--		0.00	--	93	--	**4,000**	--	**1,800**	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		--	2.79	0.00	--	29	--	**610**	--	340	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	3.35	0.00	--	26	--	**1,500**	--	360	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	3.58	0.00	--	32	--	**1,800**	--	450	<0.3	<0.2	<0.4	<0.4	<0.2	--
10/05/22		--	5.38	0.00	--	<43	--	**1,200**	--	**520**	<0.3	<0.3	<0.4	<1.4		--
MW-29																
02/21/19		--	5.15	0.00	--	--	--	**7,200**	--	**590**	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	6.52	0.00	--	**810**	--	**22,000**	--	**2,100**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	7.15	0.00	--		--									
12/08/20		--	6.18	0.00	--	200	52	**870**	<100	180	<0.4	<0.4	<0.8	<2.8	--	--
07/08/21		--		0.00	--	**1,500**	--	**8,800**	--	**1,100**	<0.6	0.51	<0.8	<0.8	--	--
12/01/21		--	5.00	0.00	--	33	--	140	--	<100	<0.6	<0.4	<0.8	<0.8	<0.4	--
04/06/22		--	5.78	0.00	--	390	--	**8,100**	--	**620**	<6	<4	<8	<8	<4	--
06/22/22		--	5.98	0.00	--	640	--	<47	--	<110	<0.6	<0.4	<0.8	<0.8	--	--
10/06/22		--	7.09	0.00	--	**1,000**	--	**6,900**	--	**710**	<0.3	<0.3	<0.4	<1.4	--	--
MW-30																
02/21/19		--	4.57	0.00	--	--	--	**8,500**	--	**2,400**	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	5.45	0.00	--	200	--	**6,800**	--	**2,000**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	6.00	0.00	--											
12/08/20		--	5.41	0.00	--	180	**1,300**	**7,900**	**1,900**	**4,600**	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		--		0.00	--	200	--	**7,000**	--	**2,100**	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	4.11	0.00	--	31	--	**2,300**	--	**1,300**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	4.59	0.00	--	65	--	**8,400**	--	**2,500**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	4.65	0.00	--	30	--	**5,600**	--	**2,100**	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	6.06	0.00	--	120	--	**5,100**	--	**2,300**	<0.3	<0.3	<0.4	<1.4	--	--

Table 1
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Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-31																
02/21/19		--	5.99	0.00	--	260	--	**22,000**	--	170	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	6.48	0.00	--	34	--	**640**	--	**510**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	7.00	0.00	--											
12/08/20		--	6.72	0.00	--	24	<47	**510**	<100	<100	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		--		0.00	--	<19	--	140	--	130	<0.3	0.39	<0.4	<0.4	--	--
12/01/21		--	5.64	0.00	--	<19	--	190	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	6.24	0.00	--	<19	--	190	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	5.95	0.00	--	<22	--	230	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	7.12	0.00	--	<43	--	140	--	480	<0.3	<0.3	<0.4	<1.4	--	--
MW-32																
06/10-12/20		--	3.15	0.00	--	**2,400**	--	**6,000**	--	**790**	0.93	0.35	0.20	<3.0	--	--
09/19/20		--	4.50	0.00	--											
12/08/20		--	2.94	0.00	--	**2,000**	**1,800**	**3,500**	<100	240	0.94	0.41	<0.4	<1.4	--	--
07/06/21		--		0.00	--	**1,300**	--	**860**	--	280	<0.3	<0.4	<0.2	<0.4	--	--
11/29/21		--	1.99	0.00	--	450	--	**700**	--	170	<0.3	<0.2	<0.4	<0.4	--	--
04/05/22		--	1.77	0.00	--	160	--	97	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	2.32	0.00	--	400	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22		--	4.43	0.00	--	780	--	**1,600**	--	180	<0.3	<0.3	<0.4	<1.4	--	--
MW-34																
03/04/21		--		0.00	--	<19	--	<46	--	<100	--	--	--	--	--	--
07/09/21		--		0.00	--	<19	--	<47	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		--	6.96	0.00	--	<19	--	<45	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/07/22		--	7.73	0.00	--	<19	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	7.65	0.00	--	<22	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	8.80	0.00	--	<43	--	<46	--	<100	<0.3	<0.3	<0.4	<1.4	--	--
MW-36																
01/10/21		--		0.00	--	<19	--	67	--	<100	<0.2	<0.2	<0.4	<1.4	<0.2	--
07/08/21		--		0.00	--	<19	--	<47	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	5.64	0.00	--	<19	--	100	--	<110	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	6.24	0.00	--	<19	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	5.98	0.00	--	<22	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	DRY	--	--	INSUFFICIENT WATER FOR SAMPLE			--	--	--	--	--	--	--	--
MW-37																
01/10/21		--		0.00	--	28	--	320	--	**720**	<0.2	<0.2	<0.4	<1.4	<0.2	--
07/08/21		--		0.00	--	<19	--	67	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	6.55	0.00	--	28	--	190	--	390	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	7.29	0.00	--	<19	--	**1,400**	--	**4,900**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	6.95	0.00	--	<22	--	100	--	110	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	8.21	0.00	--	<43	--	**560**	--	**2,300**	<0.3	<0.3	<0.4	<1.4	--	--
MW-38																
01/10/21		--		0.00	--	<19	--	200	--	**580**	<0.2	<0.2	<0.4	<1.4	<0.2	--
07/08/21		--		0.00	--	<19	--	56	--	<110	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	7.09	0.00	--	<19	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	7.74	0.00	--	<19	--	260	--	**650**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	7.55	0.00	--	<22	--	--	--	--	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	8.95	0.00	--	<43	--	57	--	<110	<0.3	<0.3	<0.4	<1.4	--	--
MW-39																
03/04/21		--		0.00	--	140	--	**2,200**	--	**2,600**	--	--	--	--	--	--
07/08/21		--		0.00	--	170	--	**4,400**	--	**1,200**	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	4.80	0.00	--	97	--	**2,700**	--	310	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/07/22		--	5.34	0.00	--	65	--	370	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/22/22		--	5.62	0.00	--	58	--	<47	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	6.80	0.00	--	200	--	**10,000**	--	**2,400**	<0.3	<0.3	<0.4	<1.4	--	--
D-1																
09/23/92		101.96	8.74	--	93.22	180	**2,100**	--	--	--	ND	ND	ND	ND	--	--
01/11/93		101.96	9.50	--	92.46	--	--	--	--	--	--	--	--	--	--	--
06/04/93		101.96	9.75	--	92.21	100	**22,000**	--	--	--	0.6	ND	ND	ND	--	--
12/15/93		101.96	9.28	--	92.68	150	**2,400**	--	--	--	ND	ND	ND	1.0	--	0.14
06/03/94		101.96	10.53	--	91.43	290	**2,600**	--	ND	--	ND	ND	ND	ND	--	0.14
11/01/94		101.96	10.15	--	91.81	170	**2,800**	--	ND	--	ND	ND	ND	0.9	--	0.1 - 0.2
02/09/95		101.96	8.82	--	93.14	170	**2,800**	--	420	--	ND	ND	ND	ND	--	ND - 5.0
05/02/95		101.96	9.87	--	92.09	110	**6,000**	--	ND	--	ND	ND	ND	ND	--	ND
08/02/95		101.96	10.43	--	91.53	ND	**4,800**	--	**900**	--	ND	ND	ND	ND	--	ND
12/05/95		101.96	8.30	--	93.66	58	**4,200**	--	**950**	--	ND	ND	ND	ND	--	ND
03/18/96		101.96	10.30	--	91.66	91	**3,600**	--	ND	--	ND	ND	ND	2.1	--	ND
06/26/96		101.96	10.95	--	91.01	--	**4,430**	--	**896**	--	--	--	--	--	--	--
09/09/96		101.96	11.27	--	90.69	--	**3,910**	--	ND	--	--	--	--	--	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
D-1 cont.																
12/30/96		101.96	7.25	--	94.71	--	**3,400**	--	ND	--	--	--	--	--	--	--
03/07/97		101.96	9.26	--	92.70	--	**5,010**	--	ND	--	--	--	--	--	--	ND
06/09/97		101.96	9.50	--	92.46	--	**4,530**	--	ND	--	--	--	--	--	--	ND
09/04/97		101.96	10.20	--	91.76	--	**3,730**	--	ND	--	--	--	--	--	--	ND - 0.114
12/17/97		101.96	8.14	--	93.82	--	**3,190**	--	ND	--	--	--	--	--	--	--
06/01/98		101.96	9.76	--	92.20	--	**3,120**	--	ND	--	--	--	--	--	--	--
11/01/98		101.96	11.06	0.00	90.90	--	**1,770**	--	ND	--	--	--	--	--	--	--
05/30/99		101.96	10.43	0.00	91.53	--	**4,480**	--	ND	--	--	--	--	--	--	--
06/11-12/00		101.96	9.97	0.00	91.99	--	--	--	--	--	--	--	--	--	--	--
04/04/02	NP	101.96	9.62	0.00	92.34	--	**6,200**	--	<1,100	--	--	--	--	--	--	--
04/28/03	NP	101.96	9.62	0.00	92.34	--	**6,700**	--	**520**	--	--	--	--	--	--	--
04/15/04	NP	101.96	9.78	0.00	92.18	--	**6,500**	--	400	--	--	--	--	--	--	--
04/29/05	NP	101.96	9.41	0.00	92.55	--	**6,200**	--	**1,200**	--	--	--	--	--	--	--
04/27/06	NP	101.96	10.42	0.00	91.54	--	**5,000**	--	<1,000	--	--	--	--	--	--	--
12/09/08	LFP	101.99	9.50	0.00	92.49	460	**3,400**	--	<690	--	ND	ND	ND	ND	ND	--
08/31/10		103.22	12.03	0.00	91.19	200	**3,200**	--	<360	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		103.22	11.85	0.00	91.37	680	250	--	<68	--	<5.0	0.9	1.3	4	--	--
01/10/12		103.22	10.85	0.00	92.37	160	240	--	<73	--	<0.5	<0.5	<0.5	<5.0	--	--
04/10/12		103.22	9.90	0.00	93.32	110	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		103.22	10.93	0.00	92.29	160	<31	--	<73	--	<0.5	<0.5	<0.5	1.6	--	--
10/10/12		103.22	12.43	0.00	90.79	140	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
01/09/13		103.22	9.92	0.00	93.30	50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		103.22	10.80	0.00	92.42	99	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--
09/25-26/13		103.22	10.48	0.00	92.74	99	--	**5,200**	--	**590**	<0.5	<0.5	<0.5	<1.5	--	--
11/05-06/13		103.22	10.94	0.00	92.28	120	--	**3,600**	--	300	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		103.22	11.15	0.00	92.07	110	--	**6,100**	--	**710**	<0.5	<0.5	<0.5	<1.5	--	--
04/07-08/14		103.22	10.58	0.00	92.64	110	<29	**5,200**	<67	**820**	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		103.22	11.83	0.00	91.39	150	<28	**5,900**	<66	**730**	<0.5	<0.5	<0.5	1.6	--	--
10/07-08/14		103.22	11.99	0.00	91.23	<50	<29	<29	<69	<69	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		103.22	9.95	0.00	93.27	170	**540**	**1,500**	<66	**620**	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/06-08/15		103.22	10.44	0.00	92.78	95	<28	**5,400**	<66	340	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		103.22	11.64	0.00	91.58	220	61	**7,000**	<100	**570**	<0.5	<0.5	<0.5	<1.5	--	--
10/19-20/15		103.22	10.88	0.00	92.34	290	<46	**6,100**	<100	**660**	0.4	<0.2	<0.2	0.4	--	--
01/12-13/16		103.22	9.84	0.00	93.38	320	<46	**6,300**	<100	**810**	<0.2	<0.2	<0.4	1.4	--	--
04/23/16		103.22	10.69	0.00	92.53	290	<46	**8,000**	<100	**1,500**	<0.2	<0.2	0.3	1.6	--	--
06/10-12/20		103.22	10.78	0.00	92.44	240	--	**4,500**	--	**930**	<0.2	<0.2	<0.2	<0.8	--	--
09/19-21/20		103.22	11.29	0.00	91.93											
12/10/20		103.22	11.35	0.00	91.87	270	48	**4,100**	<100	**580**	<0.4	<0.4	<0.8	<2.8	--	--
07/06/21		103.22		0.00	103.22	230	--	**4,900**	--	**710**	<1.5	<2.0	<1.0	<2.0	--	--
11/29/21		103.22	9.61	0.00	93.61	270	--	**3,200**	--	**530**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		103.22	11.26	0.00	91.96	250	--	**5,600**	--	**750**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/22/22		103.22	10.91	0.00	92.31	240	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22		103.22	12.09	0.00	91.13	260	--	**4,300**	--	**700**	<0.3	<0.3	<0.4	<1.4	--	--
D-2A																
09/23/92		100.80	--	--	--	25	**690**	--	--	--	**11**	ND	ND	ND	--	--
01/11/93		100.80	8.20	--	92.60	--	--	--	--	--	--	--	--	--	--	--
06/04/93		100.80	8.55	--	92.25	ND	ND	--	--	--	ND	ND	ND	ND	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
D-2A cont.																
12/15/93		100.80	7.89	--	92.91	ND	**660**	--	--	--	ND	ND	ND	ND	--	ND
06/04/94		100.80	9.33	--	91.47	ND	**760**	--	ND	--	ND	ND	ND	ND	--	ND
11/01/94		100.80	8.67	--	92.13	ND	**860**	--	ND	--	ND	ND	ND	0.8	--	ND
02/09/95		100.80	7.63	--	93.17	60	**590**	--	ND	--	ND	ND	ND	ND	--	ND
05/02/95		100.80	8.58	--	92.22	ND	**1,700**	--	ND	--	ND	ND	ND	ND	--	ND
08/02/95		100.80	9.27	--	91.53	ND	**1,600**	--	ND	--	ND	ND	ND	ND	--	ND
12/05/95		100.80	7.20	--	93.60	ND	**2,300**	--	**1,100**	--	ND	ND	ND	ND	--	ND
03/18/96		100.80	8.96	--	91.84	ND	**820**	--	ND	--	ND	ND	ND	ND	--	ND
06/26/96		100.80	9.55	--	91.25	--	**2,230**	--	ND	--	--	--	--	--	--	--
09/09/96		100.80	9.80	--	91.00	--	**1,900**	--	ND	--	--	--	--	--	--	--
12/30/96		100.80	6.00	--	94.80	--	**2,390**	--	ND	--	--	--	--	--	--	--
03/07/97		100.80	7.85	--	92.95	--	**2,280**	--	ND	--	--	--	--	--	--	ND
06/09/97		100.80	8.25	--	92.55	--	**2,200**	--	ND	--	--	--	--	--	--	ND
09/04/97		100.80	9.17	--	91.63	--	**1,930**	--	ND	--	--	--	--	--	--	ND
12/17/97		100.80	6.99	--	93.81	--	**1,100**	--	ND	--	--	--	--	--	--	--
06/01/98		100.80	8.52	--	92.28	--	**1,200**	--	ND	--	--	--	--	--	--	--
11/01/98		100.80	9.64	0.00	91.16	--	**592**	--	ND	--	--	--	--	--	--	--
05/30/99		100.80	9.10	0.00	91.70	--	**1,380**	--	ND	--	--	--	--	--	--	--
06/11-12/00		100.80	9.08	0.00	91.72	--	--	--	--	--	--	--	--	--	--	--
04/04/02	NP	100.80	8.24	0.00	92.56	--	**2,200**	--	<750	--	--	--	--	--	--	--
04/28/03	NP	100.80	8.16	0.00	92.64	--	**2,700**	--	**610**	--	--	--	--	--	--	--
04/15/04	NP	100.80	8.60	0.00	92.20	--	**2,400**	--	350	--	--	--	--	--	--	--
04/29/05	NP	100.80	8.00	0.00	92.80	--	**2,400**	--	**870**	--	--	--	--	--	--	--
04/27/06	NP	100.80	8.89	0.00	91.91	--	**1,700**	--	<500	--	--	--	--	--	--	--
12/09/08	LFP	100.78	8.75	0.00	92.03	ND	**1,000**	--	190	--	ND	ND	ND	ND	ND	--
08/31/10		100.78	9.37	0.00	91.41	<50	**2,100**	--	**810**	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		100.78	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	
01/09/12		100.78	8.10	0.00	92.68	<50	45	--	150	--	<0.5	<0.5	<0.5	<1.5	--	--
04/11/12		100.78	7.35	0.00	93.43	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--
07/09/12		100.78	9.30	0.00	91.48	<50	<31	--	<73	--	<0.5	<0.5	<0.5	<1.5	--	--
10/09/12		100.78	9.59	0.00	91.19	<50	63	--	320	--	<0.5	<0.5	<0.5	<1.5	--	--
01/07/13		100.78	7.80	0.00	92.98	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		100.78	8.40	0.00	92.38	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
09/25-26/13		100.78	8.84	0.00	91.94	<50	--	**3,700**	--	**1,000**	<0.5	<0.5	<0.5	<1.5	--	--
11/05-06/13		100.78	8.50	0.00	92.28	<50	--	**2,800**	--	**740**	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		100.78	8.70	0.00	92.08	<50	--	**3,100**	--	**620**	<0.5	<0.5	<0.5	<1.5	--	--
04/07-08/14		100.78	7.89	0.00	92.89	<50	<29	**3,000**	<67	**1,300**	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		100.78	8.99	0.00	91.79	**39,000**	**3,500**	**5,200**	**500**	**640**	**140**	**1,400**	490	**4,200**	--	--
10/07-08/14		100.78	8.13	0.00	92.65	<50	<29	240	<67	<67	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		100.78	7.43	0.00	93.35	<50	<28	**2,800**	<66	**870**	<0.5	<0.5	<0.5	<1.5	<2.5	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
D-2A cont.																
04/06-08/15		100.78	7.97	0.00	92.81	<50	<28	**2,800**	<66	560	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		100.78	UNABLE TO ATTEMPT			--	--	--	102	--	--	--	--	--	--	--
10/19-20/15		100.78	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
01/12-13/16		100.78	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
04/23/16		100.78	UNABLE TO ATTEMPT			--	--	--	--	--	--	--	--	--	--	--
06/10-12/20		100.78	8.10	0.00	92.68	55	--	**1,700**	--	**880**	<1.0	<1.0	<1.0	<3.0	--	--
09/19-21/20		100.78	8.60	0.00	92.18											
12/08/20		100.78	8.76	0.00	92.02	50	<45	**1,400**	<100	**680**	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		100.78		0.00	100.78	82	--	**2,100**	--	**1,000**	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		100.78	7.42	0.00	93.36	50	--	**1,300**	--	**650**	<0.3	<0.2	<0.4	<0.4	<0.2	--
D-3																
09/23/92		101.04	8.00	--	93.04	75	**1,200**	--	--	--	ND	ND	ND	ND	--	--
01/11/93		101.04	8.40	--	92.64	--	--	--	--	--	--	--	--	--	--	--
06/04/93		101.04	8.58	--	92.46	ND	**780**	--	--	--	ND	ND	ND	ND	--	--
12/15/93		101.04	8.19	--	92.85	ND	**1,900**	--	--	--	ND	ND	ND	ND	--	ND
06/03/94		101.04	9.41	--	91.63	ND	**1,700**	--	ND	--	ND	ND	ND	ND	--	ND
11/01/94		101.04	8.86	--	92.18	ND	**1,400**	--	ND	--	ND	ND	ND	ND	--	ND
02/09/95		101.04	7.77	--	93.27	100	**1,600**	--	270	--	ND	ND	ND	ND	--	ND
05/02/95		101.04	8.57	--	92.47	57	**5,100**	--	**940**	--	ND	ND	ND	ND	--	ND
08/02/95		101.04	9.44	--	91.60	ND	**4,100**	--	**810**	--	ND	ND	ND	ND	--	ND
12/05/95		101.04	7.20	--	93.84	ND	**4,400**	--	**930**	--	ND	ND	ND	ND	--	ND
03/18/96		101.04	9.14	--	91.90	85	**1,500**	--	ND	--	ND	0.79	ND	2.2	--	ND
06/26/96		101.04	9.75	--	91.29	--	**4,120**	--	ND	--	--	--	--	--	--	--
09/09/96		101.04	10.00	--	91.04	--	**3,850**	--	ND	--	--	--	--	--	--	--
12/30/96		101.04	6.35	--	94.69	--	**3,120**	--	ND	--	--	--	--	--	--	--
03/07/97		101.04	8.10	--	92.94	--	**2,760**	--	ND	--	--	--	--	--	--	ND
06/09/97		101.04	8.10	--	92.94	--	**2,680**	--	ND	--	--	--	--	--	--	ND
09/04/97		101.04	9.08	--	91.96	--	**4,080**	--	ND	--	--	--	--	--	--	ND - 0.178
12/17/97		101.04	7.29	--	93.75	--	**3,300**	--	ND	--	--	--	--	--	--	--
06/01/98		101.04	8.68	--	92.36	--	**3,160**	--	**1,530**	--	--	--	--	--	--	--
11/01/98		101.04	9.88	0.00	91.16	--	**1,630**	--	ND	--	--	--	--	--	--	--
05/30/99		101.04	9.29	0.00	91.75	--	**3,870**	--	ND	--	--	--	--	--	--	--
06/11-12/00		101.04	8.97	0.00	92.07	--	--	--	--	--	--	--	--	--	--	--
04/04/02	NP	101.04	8.45	0.00	92.59	--	**3,500**	--	<750	--	--	--	--	--	--	--
04/28/03	NP	101.04	8.28	0.00	92.76	--	**2,800**	--	**530**	--	--	--	--	--	--	--
04/15/04	NP	101.04	8.76	0.00	92.28	--	**3,200**	--	420	--	--	--	--	--	--	--
04/29/05	NP	101.04	8.25	0.00	92.79	--	**2,800**	--	**860**	--	--	--	--	--	--	--
04/27/06	NP	101.04	9.11	0.00	91.93	--	**2,900**	--	<510	--	--	--	--	--	--	--
12/10/08	LFP	101.04	8.91	0.00	92.13	--	**2,900**	--	<510	--	--	--	--	--	--	--
08/31/10		102.22	10.88	0.00	91.34	140	**2,600**	--	<360	--	<0.5	<0.5	<0.5	<0.5	--	--
08/31/10 (D)		102.22	10.88	0.00	91.34	130	**2,500**	--	<360	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		102.22	10.55	0.00	91.67	75	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--
01/10/12		102.22	9.70	0.00	92.52	84	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--
04/10/12		102.22	8.80	0.00	93.42	82	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
D-3 cont.																
07/10/12		102.22	9.97	0.00	92.25	120	<30	--	<71	--	<0.5	<0.5	<0.5	<1.5	--	--
10/09/12		102.22	10.86	0.00	91.36	67	<29	--	<67	--	<0.5	<0.5	<0.5	<2.0	--	--
01/08/13		102.22	8.90	0.00	93.32	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		102.22	5.34	0.00	96.88	77	<28	--	<66	--	<0.5	<0.5	<0.5	<5.0	--	--
09/25-26/13		102.22	10.48	0.00	91.74	<50	--	**3,000**	--	350	<0.5	<0.5	<0.5	<1.5	--	--
11/05-06/13		102.22	9.96	0.00	92.26	52	--	**3,400**	--	430	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		102.22	10.17	0.00	92.05	<50	--	**4,400**	--	**860**	<0.5	<0.5	<0.5	<1.5	--	--
04/07-08/14		102.22	9.26	0.00	92.96	100	<29	**4,900**	<67	**990**	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		102.22	10.22	0.00	92.00	110	<28	**4,000**	<66	**930**	<0.5	<0.5	<0.5	<1.5	--	--
10/07-08/14		102.22	10.13	0.00	92.09	<50	<29	<29	<68	<68	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		102.22	8.88	0.00	93.34	<50	<28	**4,000**	<66	**890**	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/06-08/15		102.22	9.37	0.00	92.85	110	<29	**3,500**	<67	450	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		102.22	10.48	0.00	91.74	91	<46	**6,000**	<100	**620**	<0.5	<0.5	<0.5	<1.5	--	--
10/19-20/15		102.22	10.02	0.00	92.20	200	<45	**3,700**	<100	**1,100**	<0.2	0.2	<0.2	0.5	--	--
01/12-13/16		102.22	8.76	0.00	93.46	280	<46	**4,300**	<100	**1,000**	<0.2	<0.2	<0.2	1.1	--	--
04/23/16		102.22	9.40	0.00	92.82	190	<46	**4,300**	<100	**880**	<0.2	<0.2	<0.2	0.7	--	--
D-3A																
07/06/21				0.00	0.00	140	--	**3,400**	--	**680**	<0.3	<0.2	<0.4	<0.4	--	--
11/29/21			6.61	0.00	--	190	--	**4,900**	--	**770**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22			7.70	0.00	--	93	--	**3,500**	--	**720**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22			7.33	0.00	--	73	--	<110	--	<270	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22			8.55	0.00	--	170	--	**3,400**	--	**910**	<0.3	<0.3	<0.4	<1.4	--	--
D-6					--											
08/31/10		104.20	12.71	0.00	91.49	110	**2,000**	--	<360	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		104.20	12.17	0.00	92.03	140	**1,100**	--	82	--	<0.5	<0.5	<0.5	<1.5	--	--
01/10/12		104.20	11.25	0.00	92.95	160	32	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
04/11/12		104.20	10.50	0.00	93.70	81	32	--	<72	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		104.20	12.06	0.00	92.14	130	<31	--	<71	--	<0.5	<0.5	<0.5	1.9	--	--
10/10/12		104.20	13.05	0.00	91.15	140	34	--	<66	--	0.9	<0.5	0.6	<1.5	--	--
01/09/13		104.20	13.45	0.00	90.75	100	<29	--	<67	--	<0.5	<0.5	<0.5	1.7	--	--
04/09/13		104.20	14.21	0.00	89.99	140	<29	--	<67	--	0.7	<0.5	<0.5	1.6	--	--
09/25-26/13		104.20	12.20	0.00	92.00	170	--	**5,000**	--	450	<0.5	<0.5	<0.5	<1.5	--	--
11/05-06/13		104.20	11.74	0.00	92.46	250	--	**4,000**	--	350	<0.5	<0.5	0.7	<5.0	--	--
01/07-09/14		104.20	15.45	0.00	88.75	180	--	**6,900**	--	**1,100**	<2.0	<0.5	<0.5	1.8	--	--
04/07-08/14		104.20	12.52	0.00	91.68	150	<29	**5,300**	<69	**1,100**	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		104.20	16.88	0.00	87.32	**8,900**	160	150	<66	<66	**7.6**	160	100	940	--	--
10/07-08/14		104.20	12.93	0.00	91.27	<50	53	84	<68	<68	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		104.20	10.98	0.00	93.22	200	39	**3,500**	<67	**870**	<0.7	<0.5	0.6	<2.8	<2.5	--
04/06-08/15		104.20	10.39	0.00	93.81	160	<28	**3,400**	**500**	<66	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		104.20	14.81	0.00	89.39	300	47	**4,800**	<100	**670**	0.6	0.6	0.6	<3.0	--	--
10/19-20/15		104.20	11.80	0.00	92.40	270	<46	**3,700**	<100	**930**	<0.2	0.5	0.5	1.2	--	--
01/12-13/16		104.20	10.36	0.00	93.84	290	<46	**3,600**	**750**	<100	<0.2	<0.2	<0.4	<1.5	--	--
04/23/16		104.20	11.51	0.00	92.69	350	100	**5,700**	<100	410	<0.3	0.2	<0.2	1.6	--	--
06/10-12/20		104.20	12.16	0.00	92.04	380	--	**8,200**	--	**1,200**	<1.0	0.22	<1.0	<3.0	--	--
09/19-21/20		104.20	12.05	0.00	92.15											

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Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
D-6 cont.																
12/10/20		104.20	12.30	0.00	91.90	320	<46	**5,200**	<100	**580**	<0.2	<0.2	<0.4	<1.4	--	--
07/06/21		104.20		0.00	104.20	420	--	**5,700**	--	**780**	<0.3	0.20	<0.4	<0.4	--	--
11/29/21		104.20	10.29	0.00	93.91	350	--	**4,000**	--	**590**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		104.20	12.09	0.00	92.11	350	--	**4,500**	--	380	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/22/22		104.20	11.70	0.00	92.50	310	--	49	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22		104.20	12.86	0.00	91.34	410	--	**4,100**	--	**500**	<0.3	<0.3	<0.4	<1.4	--	--
D-7																
08/31/10		100.38	8.86	0.00	91.52	<50	**1,600**	--	<690	--	<0.5	<0.5	<0.5	<0.5	--	--
10/07/11		100.38	8.50	0.00	91.88	<50	<30	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--
01/09/12		100.38	7.80	0.00	92.58	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--
04/10/12		100.38	7.00	0.00	93.38	<50	38	--	<69	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		100.38	7.94	0.00	92.44	<50	<30	--	<70	--	<0.5	<0.5	<0.5	<1.5	--	--
10/09/12		100.38	8.58	0.00	91.80	<50	<29	--	<68	--	<0.5	<0.5	<0.5	<1.5	--	--
01/08/13		100.38	7.28	0.00	93.10	<50	<28	--	<66	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		100.38	7.67	0.00	92.71	<50	<29	--	<67	--	<0.5	<0.5	<0.5	<1.5	--	--
09/25-26/13		100.38	8.22	0.00	92.16	<50	--	**990**	--	420	<0.5	<0.5	<0.5	<1.5	--	--
11/05-06/13		100.38	8.29	0.00	92.09	<50	--	**790**	--	210	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		100.38	8.34	0.00	92.04	<50	--	**1,500**	--	**740**	<0.5	<0.5	<0.5	<1.5	--	--
04/07-08/14		100.38	7.36	0.00	93.02	<50	<29	**990**	<67	**640**	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		100.38	7.97	0.00	92.41	<50	<28	**640**	<66	210	<0.5	<0.5	<0.5	<1.5	--	--
10/07-08/14		100.38	8.22	0.00	92.16	<50	<29	<29	<67	<67	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		100.38	7.05	0.00	93.33	<50	<29	**1,100**	<67	**630**	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/06-08/15		100.38	7.69	0.00	92.69	<50	<28	580	210	<66	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		100.38	8.46	0.00	91.92	<50	<46	**660**	<100	460	<0.5	<0.5	<0.5	<1.5	--	--
10/19-20/15		100.38	8.24	0.00	92.14	<50	<47	**970**	<100	**610**	<0.2	<0.2	<0.2	0.2	--	--
01/12-13/16		100.38	7.02	0.00	93.36	120	<45	**1,500**	<100	**640**	<0.2	<0.2	<0.2	0.4	--	--
04/23/16		100.38	7.60	0.00	92.78	57	<46	**980**	<100	360	<0.2	<0.2	<0.2	0.3	--	--
06/10-12/20		100.38	7.21	0.00	93.17	20	--	300	--	360	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		100.38	8.25	0.00	92.13											
12/08/20		100.38	8.28	0.00	92.10	20	<46	420	<100	290	<0.4	<0.4	<0.8	<2.8	--	--
07/06/21		100.38		0.00	100.38	19	--	**500**	--	330	<0.6	3.0	<0.8	<0.8	--	--
11/30/21		100.38	6.81	0.00	93.57	42	--	360	--	320	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		100.38	7.55	0.00	92.83	<19	--	**550**	--	220	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/22/22		100.38	7.57	0.00	92.81	<22	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		100.38	8.55	0.00	91.83	160	--	**2,000**	--	**1,200**	<0.3	<0.3	<0.4	<1.4	--	--
D-8																
02/21/19		--	--	--	--	--	--	**3,800**	--	400	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	7.13	0.00	--	86	--	**4,300**	--	**850**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	7.42	0.00	--											
12/08/20		--	8.13	0.00	--	81	<46	**2,500**	<100	340	<0.2	<0.2	<0.4	<1.4	--	--
07/08/21		--		0.00	--	100	--	**2,900**	--	**730**	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		--	6.50	0.00	--	110	--	**4,500**	--	**600**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	7.35	0.00	--	120	--	**3,100**	--	410	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	7.65	0.00	--	47	--	**2,700**	--	**530**	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	7.39	0.00	--	86	--	**2,300**	--	330	<0.3	0.36	<0.4	<1.4	--	--
D-9																
02/21/19		--	5.75	0.00	--	<250	--	**2,700**	--	880	<0.2	<0.2	<0.4	<1	<1	ND
06/10-12/20		--	6.23	0.00	--	53	--	**1,500**	--	**780**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	6.75	0.00	--											
12/08/20		--	6.68	0.00	--	<19	<46	**1,600**	<100	**860**	<0.4	<0.4	<0.8	<2.8	--	--
07/07/21		--		0.00	--	51	--	**3,600**	--	**2,100**	<0.6	0.54	<0.8	<0.8	--	--
12/01/21		--	5.52	0.00	--	<19	--	**1,600**	--	**1,100**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	5.98	0.00	--	26	--	**1,800**	--	**830**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	5.83	0.00	--	25	--	**2,700**	--	**990**	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22		--	UNABLE TO ACCESS													

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Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
D-10																
02/21/19		--	--	--	--	--	--	**1,600**	--	240	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	7.40	0.00	--	130	--	**2,700**	--	**640**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	7.78	0.00	--											
12/08/20		--	8.30	0.00	--	<19	<46	99	<100	<100	<0.2	<0.2	<0.4	<1.4	--	--
07/06/21		--	UNABLE TO ACCESS													
11/30/21		--	7.36	0.00	--	<19	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	7.94	0.00	--	23	--	260	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	7.73	0.00	--	<22	--	<48	--	<110	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	8.94	0.00	--	<43	--	74	--	<100	<0.3	<0.3	<0.4	<1.4	--	--
D-12																
02/21/19		--	7.57	0.00	--	--	--	**520**	--	330	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	8.21	0.00	--	<250	--	**540**	--	**530**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	8.75	0.00	--											
12/08/20		--	8.97	0.00	--	<19	<46	360	<100	210	<0.2	<0.2	<0.4	<1.4	--	--
07/08/21		--		0.00	--	<19	--	330	--	440	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21			UNABLE TO ACCESS													
04/07/22		--	8.06	0.00	--	<19	--	420	--	260	<6.0	<4.0	<8.0	<8.0	<4.0	--
06/22/22		--	8.40	0.00	--	<22	--	<47	--	<100	<0.6	<0.4	<0.8	<0.8	--	--
10/06/22		--	8.40	0.00	--	<43	--	380	--	140	<0.3	<0.3	<0.4	<1.4	--	--
D-13																
11/29/21		--	5.75	0.00	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--	--	--	--	--
D-14																
12/10/20		--	11.25	--	--	<19	<46	130	<100	<100	<0.2	<0.2	<0.4	<1.4	--	--
07/06/21		--		--	--	31	--	350	--	170	<0.3	<0.4	<0.2	<0.4	--	--
11/29/21		--	8.28	--	--	29	--	240	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	7.78	--	--	22	--	230	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/22/22		--	8.73	--	--	<22	--	<47	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22		--	9.89	--	--	<43	--	210	--	<110	<0.3	<0.3	<0.4	<1.4	--	--
D-15																
02/21/19		--	--	--	--	--	--	**4,500**	--	380	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	8.19	0.00	--	66	--	**1,900**	--	**800**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	8.63	0.00	--											
12/08/20		--	8.89	0.00	--	69	<46	**1,700**	<100	**510**	<0.2	<0.2	<0.4	<1.4	--	--
07/08/21		--		0.00	--	51	--	**1,100**	--	**640**	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	7.16	0.00	--	37	--	**1,400**	--	460	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	8.79	0.00	--	81	--	**1,800**	--	380	<6	<4	<8	<8	<4	--
06/22/22		--	8.54	0.00	--	31	--	<47	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/06/22		--	9.50	0.00	--	57	--	**1,400**	--	340	<0.3	<0.3	<0.4	<1.4	--	--
D-17																
02/21/19		--	5.41	0.00	--	<250	--	**180**	--	130	<0.2	<0.2	<0.4	<1	<1	ND
06/10-12/20		--	6.00	0.00	--	<250	--	470	--	**560**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	6.68	0.00	--	--	--	--	--	--	--	--	--	--	--	--
12/09/20		--	6.29	0.00	--	<19	<100	230	<100	150	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		--		0.00	--	<19		140		120	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21		--	5.00	0.00	--	21	--	320	--	200	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	5.75	0.00	--	<19	--	320	--	120	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	5.53	0.00	--	<22	--	250	--	100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	6.91	0.00	--	<43	--	330	--	150	<0.3	<0.3	<0.4	<1.4	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
D-18																
02/21/19		--	5.98	0.00	--	--	--	**910**	--	350	<0.2	<0.2	<0.4	<1	--	--
06/10-12/20		--	6.58	0.00	--	42	--	**1,300**	--	**810**	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	7.22	0.00	--											
12/09/20		--	7.00	0.00	--	<19	<45	**1,500**	<100	**690**	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		--		0.00	--	47	--	**2,200**	--	**1,600**	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	5.85	0.00	--	22	--	**1,300**	--	**790**	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	6.33	0.00	--	39	--	**1,900**	--	**700**	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	6.13	0.00	--	22	--	**2,500**	--	**770**	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	7.53	0.00	--	<43	--	**520**	--	290	<0.3	<0.3	<0.4	<1.4	--	--
D-19																
02/21/19		--	6.08	0.00	--	<250	--	**570**	--	190	<0.2	<0.2	<0.4	<1	<1	ND
06/10-12/20		--	6.58	0.00	--	<250	--	**530**	--	450	<1.0	<1.0	<1.0	<3.0	--	--
09/19/20		--	7.10	0.00	--											
12/09/20		--	7.10	0.00	--	<19	<45	110	<100	<100	<0.2	<0.2	<0.4	<1.4	--	--
07/07/21		--		0.00	--	<19	--	52	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	5.96	0.00	--	<19	--	140	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/05/22		--	6.36	0.00	--	<19	--	79	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/20/22		--	6.28	0.00	--	<22	--	120	--	<100	<0.3	0.22	<0.4	<0.4	<0.2	--
10/05/22		--	7.55	0.00	--	<43	--	110	--	<100	<0.3	<0.3	<0.4	<1.4	--	--
D-22																
03/04/21		--		0.00	--	33	--	100	--	<100	--	--	--	--	--	--
07/06/21			UNABLE TO ACCESS													
11/30/21			UNABLE TO ACCESS													
04/06/22		--	8.80	0.00	--	44	--	91	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	9.94	0.00	--	<22	--	700	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
10/05/22		--	8.73	0.00	--	<43	--	220	--	<100	<0.3	<0.3	<0.4	<1.4	--	--
D-24																
01/10/21		--		0.00	--	<19	--	200	--	<100	<0.2	0.25	<0.4	<1.4	<0.2	--
07/08/21		--		0.00	--	20	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	6.38	0.00	--	<19	--	73	--	<110	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	6.96	0.00	--	<19	--	<45	--	<100	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	6.85	0.00	--	<22	--	<47	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	7.86	0.00	--	<43	--	<47	--	<100	<0.3	<0.3	<0.4	<1.4	--	--
D-25																
01/10/21		--		0.00	--	<19	--	65	--	<100	<0.2	<0.2	<0.4	<1.4	<0.2	--
07/08/21		--		0.00	--	37	--	**1,700**	--	**880**	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	7.34	0.00	--	21	--	**520**	--	170	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	8.98	0.00	--	<19	--	**990**	--	260	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	7.82	0.00	--	<22	--	**890**	--	250	<0.3	<0.3	<0.4	<1.4	--	--
10/05/22		--	8.89	0.00	--	<43	--	**2,200**	--	**690**	<0.3	<0.3	<0.4	<1.4	--	--
D-26																
01/10/21		--		0.00	--	21	--	**580**	--	**590**	<0.2	0.24	<0.4	<1.4	<0.2	--
07/08/21		--		0.00	--	<19	--	300	--	300	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	7.80	0.00	--	26	--	480	--	250	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/06/22		--	8.37	0.00	--	21	--	**630**	--	210	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/21/22		--	8.22	0.00	--	<22	--	440	--	200	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	9.32	0.00	--	<43	--	270	--	160	<0.3	<0.3	<0.4	<1.4	--	--
D-27																
03/04/21		--		0.00	--	110	--	**790**	--	400	--	--	--	--	--	--
07/08/21		--		0.00	--	32	--	**900**	--	**740**	<0.3	<0.2	<0.4	<0.4	--	--
12/01/21		--	7.50	0.00	--	53	--	**1,300**	--	430	<0.3	<0.2	<0.4	<0.4	<0.2	--
04/07/22		--	8.20	0.00	--	71	--	**1,300**	--	340	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/22/22		--	8.18	0.00	--	27	--	<46	--	<110	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	9.25	0.00	--	43	--	**1,400**	--	440	<0.3	<0.3	<0.4	<1.4	--	--
RMW-1																
07/10/14	LFP	--	5.70	--	--	730	74	--	<69	--	1	1	<0.5	1	--	--
12/08/20		--	5.20	--	--	200	<45	**2,400**	<100	450	<0.2	<0.2	<0.4	<1.4	--	--
07/08/21		--		--	--	690	--	**6,400**	--	**1,000**	<0.3	<0.2	<0.4	<0.4	--	--
11/30/21			UNABLE TO ACCESS													
04/07/22		--	4.39	--	--	98	--	**1,700**	--	**760**	<6.0	<4.0	<8.0	<8.0	<4.0	--
06/22/22		--	4.72	--	--	180	--	<46	--	<100	<0.3	<0.2	<0.4	<0.4	--	--
10/05/22		--	6.30	--	--	470	--	**3,400**	--	450	<0.3	<0.3	<0.4	<1.4	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
No Longer Monitored/Sampled																
MW-6																
06/04/93		101.41	5.73	--	95.68	500	**9,900**	--	--	--	**8.5**	ND	0.7	0.9	--	--
12/15/93		101.41	6.11	--	95.30	ND	400	--	--	--	ND	ND	ND	ND	--	ND
06/03/94		101.41	6.39	--	95.02	ND	--	--	--	--	ND	ND	ND	ND	--	--
11/01/94		101.41	6.93	--	94.48	**1,200**	--	--	--	--	ND	ND	ND	1.2	--	--
02/09/95		101.41	4.82	--	96.59	ND	**1,200**	--	270	--	ND	ND	ND	ND	--	ND
05/02/95		101.41	5.67	--	95.74	ND	**3,000**	--	**1,500**	--	ND	ND	ND	ND	--	ND
08/02/95		101.41	6.70	--	94.71	--	--	--	--	--	--	--	--	--	--	--
12/05/95		101.41	4.53	--	96.88	58	**4,300**	--	**2,000**	--	0.72	ND	ND	ND	--	ND
03/18/96		101.41	5.20	--	96.21	ND	360	--	ND	--	ND	ND	ND	ND	--	--
MW-6 cont.																
06/26/96		101.41	6.23	--	95.18	--	**5,090**	--	**1,230**	--	--	--	--	--	--	--
09/09/96		101.41	6.71	--	94.70	--	--	--	--	--	--	--	--	--	--	--
12/30/96		101.41	3.35	--	98.06	--	**9,470**	--	**999**	--	--	--	--	--	--	--
03/07/97		101.41	4.65	--	96.76	ND	**2,430**	--	ND	--	ND	ND	ND	ND	--	ND
06/09/97		101.41	5.47	--	95.94	--	301	--	ND	--	--	--	--	--	--	ND
09/04/97[4]		101.41	6.94	--	94.47	--	--	--	--	--	--	--	--	--	--	--
12/17/97		101.41	4.92	--	96.49	--	ND	--	ND	--	--	--	--	--	--	--
06/01/98		101.41	6.09	--	95.32	--	**1,510**	--	ND	--	--	--	--	--	--	--
11/01/98		101.41	7.12	0.00	94.29	--	**551**	--	ND	--	--	--	--	--	--	--
05/30/99		101.41	6.08	0.00	95.33	--	**1,060**	--	ND	--	--	--	--	--	--	--
06/11-12/00		101.41	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
09/25/00		101.41	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
01/26/01		101.41	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
01/09/02		101.41	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
04/10-11/12		101.41	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8																
09/23/92		101.32	6.14	--	95.18	500	**7,100**	--	--	--	**1,700**	7.0	4.0	12	--	--
01/11/93		101.32	5.26	--	96.06	--	--	--	--	--	--	--	--	--	--	--
06/04/93		101.32	4.88	--	96.44	**3,400**	**810,000**	--	--	--	21	ND	ND	7.6	--	13 - 600
12/15/93		101.32	4.82	--	96.50	400	--	--	--	--	ND	ND	ND	0.6	--	--
06/04/94		101.32	5.18	--	96.14	**1,300**	--	--	--	--	**13**	1.3	1.0	2.5	--	--
11/01/94		101.32	6.19	--	95.13	**5,800**	--	--	--	--	**46**	4.6	35	300	--	--
02/09/95		101.32	3.92	0.02	97.42	--	--	--	--	--	--	--	--	--	--	--
05/02/95		101.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/02/95		101.32	6.50	--	94.82	--	--	--	--	--	--	--	--	--	--	--
12/05/95		101.32	3.30	--	98.02	**19,000**	**290,000**	--	**19,000**	--	ND	ND	ND	ND	--	7.2 - 210
03/18/96		101.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/96		101.32	5.15	Sheen	96.17	--	--	--	--	--	--	--	--	--	--	--
09/09/96		101.32	6.25	--	95.07	--	--	--	--	--	--	--	--	--	--	--
12/30/96		101.32	2.15	--	99.17	138	**2,160**	--	**1,800**	--	ND	ND	ND	ND	--	--
03/07/97		101.32	2.90	--	98.42	ND	**1,020**	--	**1,800**	--	ND	ND	ND	ND	--	0.119 - 0.738
09/04/97		101.32	5.96	--	95.36	INSUFFICIENT WATER TO SAMPLE			--	--	--	--	--	--	--	--
DESTROYED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-9																
09/23/92		99.62	6.15	--	93.47	93	**960**	--	--	--	ND	ND	ND	0.5	--	--
09/23/92 (D)		99.62	--	--	--	99	**790**	--	--	--	ND	ND	ND	0.5	--	--
01/11/93		99.62	4.90	--	94.72	--	--	--	--	--	--	--	--	--	--	--
06/04/93		99.62	5.10	--	94.52	360	**11,000**	--	--	--	ND	ND	ND	0.6	--	0.17 - 0.95
12/15/93		99.62	5.20	--	94.42	ND	**760**	--	--	--	ND	ND	ND	ND	--	0.22 - 0.64
06/04/94		99.62	5.68	--	93.94	730	**16,000**	--	ND	--	ND	ND	ND	2.2	--	1.7
11/01/94		99.62	5.66	--	93.96	ND	**1,000**	--	ND	--	ND	ND	ND	ND	--	0.057 - 0.67
02/09/95		99.62	4.35	--	95.27	250	**11,000**	--	**1,800**	--	ND	ND	ND	ND	--	ND
05/02/95		99.62	4.90	--	94.72	270	**24,000**	--	**2,800**	--	ND	ND	ND	1.0	--	ND
08/02/95		99.62	5.35	--	94.27	400	**36,000**	--	**6,800**	--	ND	0.67	ND	1.6	--	ND
12/05/95		99.62	4.00	--	95.62	ND	**2,700**	--	**2,800**	--	ND	0.73	0.7	4.0	--	ND
03/18/96		99.62	4.80	--	94.82	ND	**3,300**	--	**1,400**	--	ND	ND	ND	ND	--	ND
06/26/96		99.62	4.89	--	94.73	--	**19,700**	--	**3,940**	--	--	--	--	--	--	--
MW-9 cont.																
09/09/96		99.62	5.60	--	94.02	--	**9,110**	--	**1,650**	--	--	--	--	--	--	--
12/30/96		99.62	3.17	--	96.45	--	**2,690**	--	**1,310**	--	--	--	--	--	--	--
03/07/97		99.62	4.30	--	95.32	62	**9,440**	--	**2,030**	--	ND	ND	ND	ND	--	0.126
06/09/97		99.62	4.56	--	95.06	--	**16,300**	--	**3,160**	--	--	--	--	--	--	ND
09/04/97		99.62	5.50	--	94.12	--	**21,700**	--	ND	--	--	--	--	--	--	ND - 1.47
06/01/98		99.62	5.20	--	94.42	--	**19,500**	--	ND	--	--	--	--	--	--	--
11/01/98		99.62	5.84	0.00	93.78	--	**2,280**	--	ND	--	--	--	--	--	--	--
05/30/99		99.62	5.13	0.00	94.49	--	**27,800**	--	ND	--	--	--	--	--	--	--
06/11-12/00		99.62	INACCESSIBLE			--	--	--	--	--	--	--	--	--	--	--
09/25/00		99.62	5.91	0.01	93.71	--	**2,650**	--	**3,060**	--	--	--	--	--	--	--
01/26/01		99.62	4.98	0.00	94.64	--	ND	--	ND	--	--	--	--	--	--	--
01/09/02		99.62	3.34	0.00	96.28	--	346	--	<500	--	--	--	--	--	--	--
04/04/02	NP	99.62	4.69	0.00	94.93	--	**5,700**	--	**1,600**	--	--	--	--	--	--	--
04/28/03	NP	99.62	4.59	0.00	95.03	--	**11,000**	--	**2,100**	--	--	--	--	--	--	--
04/15/04		99.62	INACCESSIBLE - WELL FILLED WITH BENTONITE					--	--	--	--	--	--	--	--	--
04/29/05		99.62	INACCESSIBLE - WELL FILLED WITH BENTONITE					--	--	--	--	--	--	--	--	--
04/27/06		99.62	INACCESSIBLE - WELL FILLED WITH BENTONITE					--	--	--	--	--	--	--	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
MW-15																
09/23/92		99.24	4.14	--	95.10	**3,700**	**8,300**	--	--	--	**36**	7.0	14	23	--	--
09/23/92 (D)		99.24	--	--	--	**3,400**	**12,000**	--	--	--	**23**	7.0	12	23	--	--
01/11/93		99.24	2.17	--	97.07	--	--	--	--	--	--	--	--	--	--	--
06/04/93		99.24	1.86	--	97.38	**1,300**	**17,000**	--	--	--	3.0	1.2	1.5	5.1	--	--
12/15/93		99.24	2.75	--	96.49	**1,900**	**19,000**	--	--	--	**10**	2.5	2.9	17	--	0.55 - 3.8
06/03/94		99.24	2.63	--	96.61	**1,800**	**11,000**	--	ND	--	2.1	3.4	4.7	9.2	--	ND
11/01/94		99.24	3.25	--	95.99	**1,900**	**15,000**	--	ND	--	**15**	2.8	4.2	12	--	0.67 - 4.3
02/09/95		99.24	0.95	--	98.29	210	**7,000**	--	**1,400**	--	ND	ND	ND	0.8	--	ND
05/02/95		99.24	1.60	--	97.64	160	**13,000**	--	**2,400**	--	ND	ND	ND	ND	--	ND
08/02/95		99.24	3.43	--	95.81	**1,100**	**17,000**	--	**4,000**	--	**7.7**	1.3	4.2	1.5	--	ND
12/05/95		99.24	0.20	--	99.04	ND	**1,500**	--	**1,500**	--	ND	ND	ND	ND	--	0
03/18/96		99.24	1.12	--	98.12	170	**4,700**	--	**1,700**	--	1.1	0.88	ND	2.3	--	ND
06/26/96		99.24	2.51	--	96.73	--	**5,880**	--	**3,150**	--	--	--	--	--	--	--
09/09/96		99.24	3.70	--	95.54	--	**7,290**	--	**4,700**	--	--	--	--	--	--	--
12/30/96		99.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/97		99.24	0.00	--	99.24	ND	**6,000**	--	**2,030**	--	ND	ND	ND	ND	--	ND
06/09/97		99.24	1.60	--	97.64	--	**3,280**	--	**1,690**	--	--	--	--	--	--	ND
09/04/97		99.24	3.28	--	95.96	--	**6,980**	--	**3,260**	--	--	--	--	--	--	ND
12/17/97		99.24	0.25	--	98.99	--	**6,230**	--	**2,080**	--	--	--	--	--	--	--
06/01/98		99.24	2.28	--	96.96	--	**7,260**	--	**976**	--	--	--	--	--	--	--
11/01/98		99.24	4.14	0.00	95.10	--	**9,540**	--	ND	--	--	--	--	--	--	--
05/30/99		99.24	2.20	0.00	97.04	--	**6,610**	--	**3,930**	--	--	--	--	--	--	--
DESTROYED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17																
09/23/92		99.64	4.58	--	95.06	**5,100**	**5,300**	--	--	--	**36**	7.0	32	300	--	--
01/11/93		99.64	2.80	--	96.84	--	--	--	--	--	--	--	--	--	--	--
06/04/93		99.64	2.36	--	97.28	**2,300**	**24,000**	--	--	--	**9.0**	1.4	16	61	--	0.18 - 33
12/15/93		99.64	3.31	--	96.33	**20,000**	**45,000**	--	--	--	**19**	6.2	17	110	--	0.73 - 34
06/04/94		99.64	3.18	--	96.46	**990**	**31,000**	--	ND	--	**9.0**	1.1	1.9	8.7	--	0.33 - 28
11/01/94		99.64	3.76	--	95.88	**2,100**	**42,000**	--	**4,600**	--	**16**	1.6	2.6	14	--	0.83 - 23
02/09/95		99.64	1.43	--	98.21	610	**18,000**	--	**1,700**	--	ND	1.0	1.3	3.6	--	ND
05/02/95		99.64	1.97	--	97.67	**890**	**38,000**	--	**6,000**	--	1.8	ND	0.95	3.3	--	ND
08/02/95		99.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95		99.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/18/96		99.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/96		99.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
D-4																
09/23/92		98.76	7.33	--	91.43	ND	420	--	--	--	ND	ND	ND	ND	--	--
01/11/93		98.76	6.00	--	92.76	--	--	--	--	--	--	--	--	--	--	--
06/04/93		98.76	5.71	--	93.05	ND	ND	--	--	--	ND	ND	ND	ND	--	--
12/15/93		98.76	5.75	--	93.01	ND	330	--	--	--	ND	0.5	ND	ND	--	ND
06/04/94		98.76	6.93	--	91.83	ND	ND	--	ND	--	ND	ND	ND	ND	--	ND
11/01/94		98.76	6.29	--	92.47	ND	360	--	ND	--	ND	ND	ND	ND	--	ND
02/09/95		98.76	5.43	--	93.33	ND	200	--	300	--	ND	ND	ND	ND	--	ND
05/02/95		98.76	6.13	--	92.63	ND	390	--	**1,000**	--	ND	ND	ND	ND	--	ND
08/02/95		98.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95		98.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
D-4 cont.																
03/18/96		98.76	6.46	--	92.30	ND	ND	--	ND	--	ND	ND	ND	ND	--	ND
06/26/96		98.76	7.10	--	91.66	--	**592**	--	ND	--	--	--	--	--	--	--
09/09/96		98.76	7.35	--	91.41	--	**939**	--	943	--	--	--	--	--	--	--
12/30/96		98.76	7.40	--	91.36	--	311	--	ND	--	--	--	--	--	--	--
03/07/97		98.76	5.55	--	93.21	--	264	--	ND	--	--	--	--	--	--	ND
06/09/97		98.76	5.65	--	93.11	--	ND	--	ND	--	--	--	--	--	--	ND
09/04/97		98.76	6.67	--	92.09	--	**550**	--	ND	--	--	--	--	--	--	ND
12/17/97		98.76	UNABLE TO LOCATE			--	--	--	--	--	--	--	--	--	--	--
06/01/98		98.76	6.34	--	92.42	--	371	--	ND	--	--	--	--	--	--	--
11/01/98		98.76	7.31	0.00	91.45	--	276	--	ND	--	--	--	--	--	--	--
05/30/99		98.76	6.54	0.00	92.22	--	429	--	ND	--	--	--	--	--	--	--
06/11-12/00		98.76	INACCESSIBLE - PAVED OVER				--	--	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED			--	--	--	--	--	--	--	--	--	--	--	--	--	--
D-5A																
09/23/92		--	--	--	--	100	**860**	--	--	--	0.7	ND	0.3	0.9	--	--
01/11/93		100.53	7.92	--	92.61	--	--	--	--	--	--	--	--	--	--	--
06/04/93		100.53	8.00	--	92.53	ND	270	--	--	--	ND	ND	ND	ND	--	--
12/15/93		100.53	7.61	--	92.92	ND	**590**	--	--	--	ND	ND	ND	ND	--	ND
06/04/94		100.53	8.91	--	91.62	ND	**960**	--	ND	--	ND	ND	ND	ND	--	ND
11/01/94		100.53	8.33	--	92.20	ND	**1,100**	--	ND	--	ND	ND	ND	0.6	--	ND
02/09/95		100.53	7.30	--	93.23	ND	**610**	--	210	--	ND	ND	ND	ND	--	ND
05/02/95		100.53	8.08	--	92.45	ND	**2,500**	--	ND	--	ND	ND	ND	ND	--	ND
08/02/95		100.53	8.95	--	91.58	ND	**2,800**	--	**1,000**	--	ND	ND	ND	ND	--	ND
12/05/95		100.53	6.72	--	93.81	ND	**6,700**	--	**2,300**	--	ND	ND	ND	ND	--	ND
03/18/96		100.53	8.62	--	91.91	--	--	--	--	--	--	--	--	--	--	--
ABANDONED	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
Former Standard Oil Bulk Terminal/Chevron Facility No. 1001348
1656 East J Street
Tacoma, Washington

Well ID/ Date	Purge Method	TOC[1] (ft)	DTW (ft)	SPHT (ft)	GWE[2] (ft)	TPH-GRO (µg/L)	TPH-DRO w/Silica Gel (µg/L)	TPH-DRO w/out Silica (µg/L)	TPH-HRO w/Silica Gel (µg/L)	TPH-HRO w/out Silica (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	PAHs (µg/L)
TRIP BLANK																
06/01/98		--	--	--	--	--	ND	--	ND	--	--	--	--	--	--	--
11/01/98		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/30/99		--	--	--	--	--	ND	--	ND	--	--	--	--	--	--	--
06/11-12/00		--	--	--	--	ND	--	--	--	--	ND	ND	ND	ND	--	--
09/25/00		--	--	--	--	ND	--	--	--	--	ND	ND	ND	ND	--	--
01/26/01		--	--	--	--	ND	--	--	--	--	ND	ND	ND	ND	ND	--
01/09/02		--	--	--	--	<50.0	--	--	--	--	<0.500	<0.500	<0.500	<1.00	--	--
04/04/02		--	--	--	--	<50	--	--	--	--	<0.50	<0.50	<0.50	<1.5	--	--
04/28/03		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
04/15/04		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
04/29/05		--	--	--	--	<50	--	--	--	--	--	--	--	--	--	--
04/27/06		--	--	--	--	<48	--	--	--	--	<0.5	<0.5	<0.5	1.5	--	--
12/09/08		--	--	--	--	<50	--	--	--	--	<0.50	<0.50	<0.50	<1.5	<0.50	--
12/10/08		--	--	--	--	<50	--	--	--	--	<0.50	<0.50	<0.50	<1.5	<0.50	--
12/07/11		--	--	--	--	<50	--	--	--	--	<0.50	<0.50	<0.50	<1.5	--	--
01/09/12		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
04/10-11/12		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
07/10/12		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
10/09/12		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
01/08/13		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
04/09/13		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
09/25-26/13		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
11/05-06/13		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
01/07-09/14		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
04/07-08/14		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
07/07-09/14		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
10/06-07/14		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
01/06-07/15		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	<2.5	--
04/06-08/15		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
07/23/15		--	--	--	--	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--
10/19-20/15		--	--	--	--	<50	--	--	--	--	<0.2	<0.2	<0.2	<0.2	--	--
01/12-13/16		--	--	--	--	<50	--	--	--	--	<0.2	<0.2	<0.2	<0.2	--	--
04/23/16		--	--	--	--	<50	--	--	--	--	<0.2	<0.2	<0.2	<0.2	--	--
06/10-12/20		--	--	--	--	<250	--	--	--	--	<1.0	<1.0	<1.0	<3.0	--	--
12/08/20		--	--	--	--	<19	--	--	--	--	<0.2	<0.2	<0.4	<1.4	--	--
01/09/21		--	--	--	--	<19	--	--	--	--	<0.2	<0.2	<0.4	<1.4	--	--
07/09/21		--	--	--	--	<19	--	--	--	--	<0.2	<0.2	<0.4	<1.4	--	--
12/29/21		--	--	--	--	<19	--	--	--	--	<0.2	<0.2	<0.4	<0.4	--	--
04/06/22		--	--	--	--	<19	--	--	--	--	<0.3	<0.2	<0.4	<0.4	<0.2	--
06/22/22		--	--	--	--	29	--	--	--	--	<0.3	<0.2	<0.4	<0.4	<0.2	--
10/06/22		--	--	--	--	29	--	--	--	--	<0.3	<0.2	<0.4	<0.4	<0.2	--
Standard Laboratory Reporting Limits:						50	250		500		0.5	0.5	0.5	1.5	--	0.10 - 5.0
MTCA Method A Cleanup Levels:						800/1,000	500		500		5.0	1,000	700	1,000	20	1.0
Current Method:[3]						NWTPH-Gx	NWTPH-Dx + Extended				USEPA 8021					USEPA 8310

Explanations:

BTEX = Benzene, toluene, ethylbenzene, and total xylenes
(D) = Duplicate
DTW = Depth to Water
(ft) = Feet
GWE = Groundwater Elevation
LFP = Low Flow Purge
MTBE = Methyl Tertiary Butyl Ether
MTCA = Model Toxics Control Act
ND = Not Detected
NP = No Purge
SPHT = Separate-Phase Hydrocarbon Thickness
TOC = Top of Casing
PAHs = Polynuclear Aromatic Hydrocarbons
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as Diesel-Range Organics
TPH-GRO = TPH as Gasoline-Range Organics
TPH-HRO = TPH as Heavy Oil-Range Organics
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
-- = Not Measured/Not Analyzed

Notes:

1 TOC elevations referenced in feet relative to an arbitrary datum.
2 When SPH is present, GWE has been corrected using the following formula: GWE = [(TOC - DTW) + (SPHT x 0.80)].
3 Laboratory analytical methods for historical data may not be consistent with list of current analytical methods. When necessary, consult original laboratory reports to verify methods used.
Analytical results in bold font indicate concentrations exceed MTCA Method A cleanup levels.
Consult original laboratory analysis reports for analytical methods prior to 2009.
Silica-gel analysis suspended June 2013- February 2014.

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