GROUNDWATER MONITORING REPORT
Second Quarter 2024
October 22, 2024

Facility No:	Temple Distributing Carson Oil	Address:	808 South Columbus Ave, Goldendale, Washington

Arcadis Contact Person / Phone No.:	Eric Epple / 206-578-5812
Arcadis Project No.:	30079744
Primary Agency/Regulatory ID No.:	Washington State Department of Ecology Central Office, Toxics Cleanup Program Mary Monahan / Enforcement Order No. DE 14134

WORK CONDUCTED THIS PERIOD [Second Quarter 2024]:

1. Submitted the *Progress Report – First Quarter 2024* to Washington Department of Ecology (Ecology) on April 5, 2024 (Arcadis 2024a).
2. Submitted the *Groundwater Monitoring Report - First Quarter 2024* to Ecology on May 14, 2024 (Arcadis 2024b).
3. Conducted quarterly groundwater monitoring and sampling on June 26, 2024.

WORK CONDUCTED/PROPOSED NEXT PERIOD [Third Quarter 2024]:

1. Submitted the *Revised Groundwater Monitoring Report – Fourth Quarter 2023* to Ecology on July 18, 2024 (Arcadis 2024c).
2. Submitted the *Revised Groundwater Monitoring Report – First Quarter 2024* to Ecology on July 18, 2024 (Arcadis 2024d).
3. Submitted the *Progress Report – Second Quarter 2024* to Ecology on July 18, 2024 (Arcadis 2024e).
4. Complete the third quarter groundwater monitoring event tentatively scheduled for September 17.
5. Prepared the *Groundwater Monitoring Report - Second Quarter 2024.*

Current Phase of Project:	Post-remedial monitoring
Frequency of Monitoring / Sampling:	Quarterly
Is Light Non-Aqueous Phase Liquid (LNAPL) Present On-site:	None

Cumulative LNAPL Recovered to Date:	None	
Approximate Depth to Groundwater:	5.13 (MW-10) to 5.45 (MW-9)	(feet below top of casing)
Approximate Groundwater Elevation:	1,634.98 (MW-5A) to 1,639.16 (MW-1)	(feet above NAVD 88)
Groundwater Flow Direction	West-Northwest	
Groundwater Gradient	0.018	(feet per foot)
Current Remediation Techniques:	None	
Permits for Discharge:	Not Applicable	
Summary of Unusual Activity:	Monitoring wells MW-6, MW-7, and MW-8 were observed to be dry.	

DISCUSSION

Arcadis U.S., Inc. (Arcadis) directed Blaine Tech Services, on behalf of Chevron Environmental Management Company (CEMC), Temple Distributing, Temple Family Credit Shelter Trust, and Temple Family Survivor Trust (PLPs), to conduct groundwater monitoring activities on June 26, 2024. The groundwater monitoring program includes gauging and sampling monitoring wells MW-1, MW-2, MW-3A through MW-5A, and MW-6 through MW-10. The groundwater monitoring event was completed as scoped with the following deviations:

- Wells MW-6, MW-7, and MW-8 were observed to be dry and thus were not sampled.

LNAPL was not observed in any of the site monitoring wells during the sampling event. Historical and current groundwater gauging results are presented in Table 1. A site location map and a site plan are presented on Figures 1 and 2, respectively.

The calculated groundwater flow direction from the June 2024 event was to the west-northwest with a hydraulic gradient of 0.018 feet/foot. Historically, the calculated groundwater flow direction at the site has primarily been to the north-northeast. A groundwater elevation contour map, including a rose diagram of historical flow directions, is presented on Figure 3.

Wells were sampled using low-flow methodology via a peristaltic pump and dedicated disposable tubing. Field parameters including pH, temperature, electrical conductivity, turbidity, dissolved oxygen, and oxidation reduction potential were collected during the purging process with a multiparameter water quality meter and flow-through cell. Field parameters were allowed to stabilize prior to collecting samples. The groundwater monitoring field data sheets are included as Attachment A.

Following field parameter stabilization, samples were collected in pre-preserved laboratory-provided bottles and placed in a cooler with ice. Groundwater samples were submitted to Pace Analytical in Mount Juliet, Tennessee, an Ecology-accredited laboratory, under standard chain-of-custody protocols. Groundwater samples were analyzed for the following:

- Total petroleum hydrocarbons as gasoline range organics (TPH-GRO) by Northwest Method NWTPH-Gx;
- Total petroleum hydrocarbons as diesel range organics (TPH-DRO) and total petroleum hydrocarbons as residual range organics (TPH-HRO) by Method NWTPH-Dx without Silica Gel Treatment (SGT);
- TPH-DRO and TPH-HRO by Method NWTPH-Dx with SGT;
- Benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX), methyl tertiary butyl ether (MTBE), ethylene dibromide (EDB), and ethylene dichloride (EDC) by United States Environmental Protection Agency (USEPA) Method 8260D;
- Carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by USEPA Method 8270E-SIM;
- Total lead by USEPA Method 6010D.

RESULTS

Groundwater analytical results for samples collected from monitoring wells during the current sampling event were greater than the MTCA Method A CULs for the following monitoring wells and analytes:

- Monitoring well MW-5A exceeded the MTCA Method A CUL of 500 µg/L for summed TPH-DRO and TPH-HRO at a detected concentration of 668 J micrograms per liter (µg/L) (where J is an indicator from the lab that the result value is an estimate).[1]
- Monitoring well MW-1 and the associated duplicate sample exceeded the MTCA Method A CUL for total lead of 15 µg/L at concentrations of 23.6 µg/L and 24.3 µg/L, respectively.

Analytical results from wells MW-2, MW-3A, MW-4A, MW-9, and MW-10 were either less than the MTCA Method A CULs or were non-detect. Historical and current groundwater analytical results for TPH, BTEX, fuel additives, and lead are presented in Table 1. Historical and current groundwater analytical results for cPAHs are presented in Table 2. The laboratory analytical report, chain-of-custody documentation, and chromatograms are included as Attachment B.

[1] Analytical results from well MW-5A were below the CUL of 500 µg/L for non-polar petroleum hydrocarbons (SGT results for combined TPH-DRO and TPH-HRO) and the CUL of 500 µg/L polar organics (non-SGT results minus SGT results for combined TPH-DRO and TPH-HRO) according to Ecology's Guidance for Silica Gel Cleanup (Ecology 2023).

Groundwater TPH analytical results for wells sampled on June 26, 2024, are presented on Figure 4. TPH-GRO, TPH-DRO, TPH-DRO with SGT, TPH-HRO, TPH-HRO with SGT and TPH-DRO combined with TPH-HRO concentrations and groundwater elevation versus time plots for wells MW-2, MW-3/3A, MW-4/4A, MW-5/5A, MW-6 and MW-10 are presented on Figures 5 through 10, respectively.

Overall, groundwater concentrations appear to be decreasing since the implementation of the interim action (remedial excavation). Groundwater monitoring will continue on a quarterly basis to further evaluate groundwater quality and concentration trends following the remedial excavation.

LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Arcadis' contract with Chevron Environmental Management Company (CEMC) and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of CEMC, Temple Distributing, Temple Family Credit Shelter Trust, and Temple Family Survivor Trust for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Arcadis. To the extent that this report is based on information provided to Arcadis by third parties, Arcadis may have made efforts to verify this third-party information, but Arcadis cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties expressed or implied are made by Arcadis.

Date: October 22, 2024

Eric Epple
Project Manager

Date: October 22, 2024

Paul T. McCullough, PE
Principal Environmental Engineer

ATTACHMENTS:

Table 1	Groundwater Gauging Data and TPH, BTEX, Fuel Additives, and Lead Analytical Results
Table 2	Groundwater Gauging Data and PAH Analytical Results
Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Groundwater Elevation Contour Map, June 26, 2024
Figure 4	Groundwater Analytical Map, June 26, 2024
Figure 5	Groundwater Concentration and Elevation vs. Time Plots MW-2
Figure 6	Groundwater Concentration and Elevation vs. Time Plots MW-3 / MW-3A
Figure 7	Groundwater Concentration and Elevation vs. Time Plots MW-4 / MW-4A
Figure 8	Groundwater Concentration and Elevation vs. Time Plots MW-5 / MW-5A
Figure 9	Groundwater Concentration and Elevation vs. Time Plots MW-6
Figure 10	Groundwater Concentration and Elevation vs. Time Plots MW-10
Attachment A	Field Data Sheets
Attachment B	Laboratory Reports, Chain-of-Custody Documentation, and Chromatograms

REFERENCES:

Arcadis. 2024a. *Progress Report – First Quarter 2024*. Temple Distributing Carson Oil Site. 808 South Columbus Avenue. Goldendale, Washington. April 5.

Arcadis. 2024b. *Groundwater Monitoring Report - First Quarter 2024.* Temple Distributing Carson Oil Site. 808 South Columbus Avenue. Goldendale, Washington. May 18.

Arcadis. 2024c. *Revised Groundwater Monitoring Report – Fourth Quarter 2023*. Temple Distributing Carson Oil Site. 808 South Columbus Avenue. Goldendale, Washington. July 18.

Arcadis. 2024d. *Revised Groundwater Monitoring Report – First Quarter 2024*. Temple Distributing Carson Oil Site. 808 South Columbus Avenue. Goldendale, Washington. July 18.

Arcadis. 2024e. *Progress Report – Second Quarter 2024*. Temple Distributing Carson Oil Site. 808 South Columbus Avenue. Goldendale, Washington. July 18.

Ecology. 2023. Guidance for Silica Gel Cleanup in Washington State. Toxics Cleanup Program. Publication No. 22-09-059. November.

TABLES

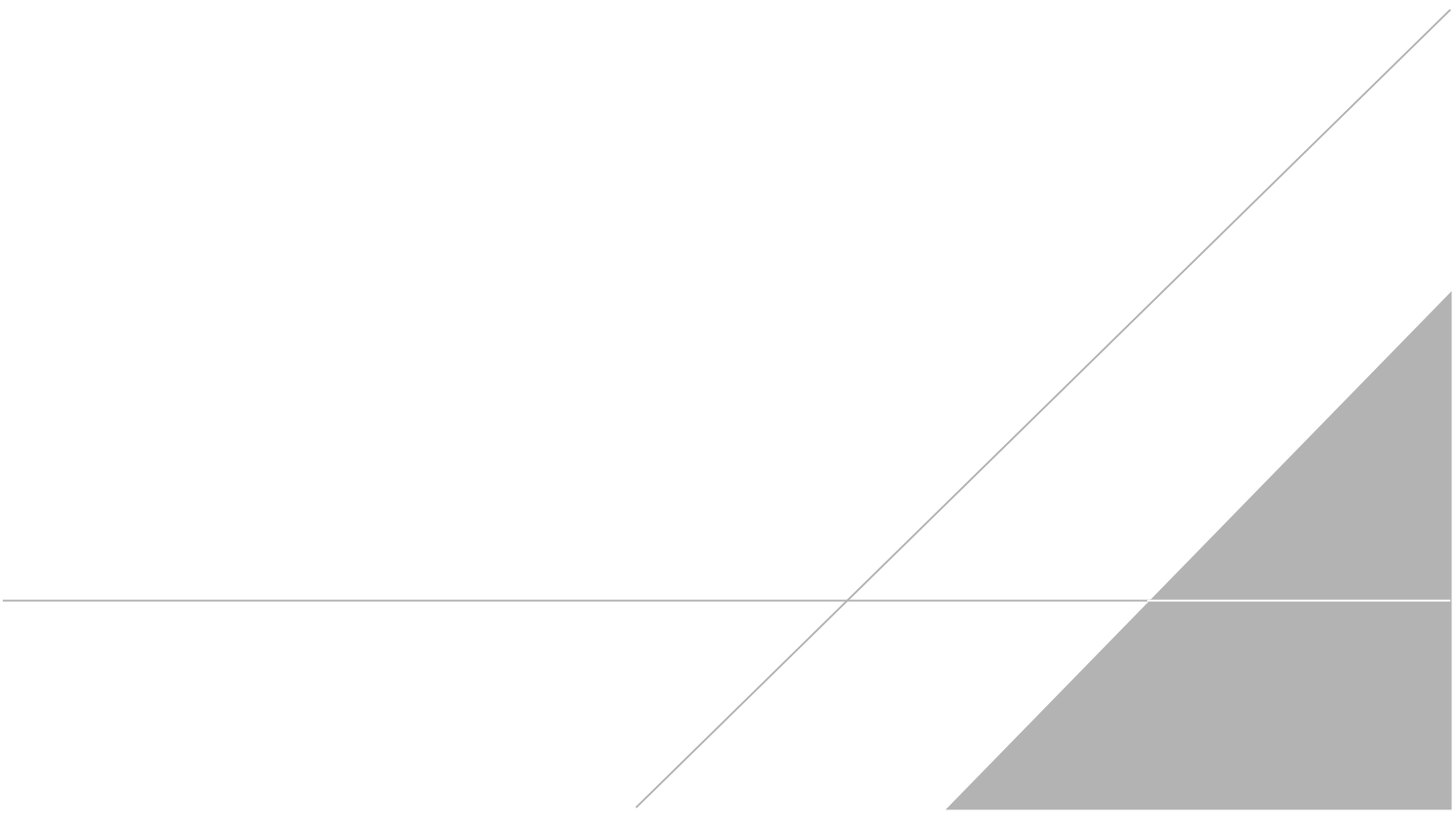

Table 1
Groundwater Gauging Data and TPH, BTEX, Fuel Additives, and Lead Analytical Results
Temple Distributing Carson Oil Site
808 South Columbus Avenue
Goldendale, Washington

Sample Location	Date	TOC (feet)	DTW (feet bgs)	Total Depth (feet bgs)	Water Column (feet)	LNAPL	GWE (feet)	TPH-GRO	TPH-DRO	TPH-DRO w SGT	TPH-HRO	TPH-HRO w SGT	TPH-DRO+HRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDB	EDC	Total Lead	Comments
						MTCA Method A CULs		**800/1,000**	**500**	**500**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	
DPW-2	4/8/2015	--	--	--	--	--	--	530	<120 J	--	<270	--	<270	<2.00	0.87 J	<0.200 J	0.76 J	<2.00	<0.01 J+	<2.00	3.1	Grab sample
DPW-2 DUP	4/8/2015	--	--	--	--	--	--	510	130 Y J	--	<260	--	260 Y J	<2.00	3.2 J	0.300 J	1.91 J	<2.00	<0.01 J+	<2.00	2.8	Grab sample
MW-1	4/20/2012	1,644.50	6.33	9.00	2.67	--	1,638.17	<100	--	--	--	--	--	**5.38**	9.05	<1.00	<3.00	<1.00	**<0.0230**	<1.00	--	
MW-1	4/18/2018	1,644.50	7.70	9.00	1.30	--	1,636.80	<50	<47	--	<100	--	<100	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0096	<0.500	<6.0	
MW-1	4/6/2021	1,644.50	6.96	7.24	0.28	--	1,637.54	<31.6	--	--	--	--	--	<0.090	<0.280	<0.140	<0.170	<0.100	--	<0.080	--	
MW-1	8/18/2021	1,644.50	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-1	2/23/2022	1,644.50	7.17	7.73	0.56	--	1,637.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-1	6/16/2022	1,644.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
MW-1	9/2/2022	1,644.50	7.38	7.83	0.45	--	1,637.12	--	--	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	**<0.0200**	--	--	
MW-1	12/1/2022	1,644.50	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-1	12/18/2023	1,644.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - due to access limitations
MW-1	3/5/2024	1,644.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - due to access limitations
MW-1	6/26/2024	1,644.50	5.34	7.75	2.41	--	1,639.16	<100	124 J	117 J	<250	<250	249 J	0.107 J	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	**23.6**	
MW-1 DUP	6/26/2024	--	--	--	--	--	--	<100	105 J	105 J	<250	<250	230 J	<1.00	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	**24.3**	
MW-2	4/20/2012	1,641.38	5.60	8.50	2.90	--	1,635.78	**8,910**	--	--	--	--	--	**1,250**	**1,800**	72.8	773	<1.00	**<0.023**	<1.00	--	
MW-2	4/30/2012	1,641.38	--	8.50	--	--	--	**14,500**	--	--	--	--	--	**829**	**1,490**	104	**1,039**	<1.00	**<0.023**	<1.00	--	Resample of MW-2
MW-2	4/19/2018	1,641.38	4.10	8.50	4.40	--	1,637.28	51	--	--	--	--	--	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0094	<0.500	--	
MW-2	4/6/2021	1,641.38	5.03	7.07	2.04	--	1,636.35	296	--	--	--	--	--	<0.090	<0.270	<0.140	<0.170	<0.100	--	<0.080	--	
MW-2	8/18/2021	1,641.38	5.65	7.18	1.53	--	1,635.73	--	272	--	369	--	**641**	--	--	--	--	--	--	--	--	
MW-2	2/23/2022	1,641.38	5.01	7.04	2.03	--	1,636.37	<31.6	475	--	**736**	--	**1,211**	<1.00	<0.278	<0.137	<0.174	--	<0.00557	--	5.98 J	
MW-2	6/16/2022	1,641.38	5.01	7.02	2.01	--	1,636.37	<31.6	243	--	459	--	**702**	<1.00	<0.278	<0.137	<0.174	--	<0.00557	--	<2.99	
MW-2	9/2/2022	1,641.38	5.49	7.19	1.70	--	1,635.89	--	--	--	--	--	--	0.157 J	<1.00	<1.00	<3.00	--	--	--	--	
MW-2	12/1/2022	1,641.38	5.81	7.18	1.37	--	1,635.57	<100	319	--	406	--	**725**	<1.00	<1.00	<1.00	<3.00	<1.00	**<0.0218**	<1.00	<6.00	
MW-2	12/18/2023	1,641.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-2	3/5/2024	1,641.38	4.50	7.00	2.50	--	1,636.88	<100	92.0 J	--	215 J	--	307 J	<1.00	<1.00	<1.00	0.800 J	--	**<0.0202**	--	<6.00	
MW-2	6/26/2024	1,641.38	5.30	7.11	1.81	--	1,636.08	<100	114 J	107 J	158 J	158 J	272 J	<1.00	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	<6.00	
MW-3	4/20/2012	1,642.02	2.73	8.50	5.77	--	1,639.29	**5,080**	--	--	--	--	--	4.0	6.41	27.0	9.37	<1.00	**<0.023**	<1.00	--	
MW-3	4/30/2012	1,642.02	--	8.50	--	--	--	**6,180**	--	--	--	--	--	0.60	ND	7.75	6.08	<1.00	**<0.023**	<1.00	--	Resample of MW-3
MW-3	4/18/2018	1,642.02	3.65	8.50	4.85	--	1,638.37	**3,500**	250	--	<110	--	305	<0.500	0.60	7.0	<0.500	<0.500	<0.0094	<0.500	<6.00	
MW-3	4/6/2021	1,642.02	5.03	7.98	2.95	--	1,636.99	**2,480**	**824**	--	189 J	--	**1,013 J**	<0.09	<0.28	2.14	<0.17	<0.100	<0.005	<0.080	<2.99	
BD-1	4/6/2021	--	--	--	--	--	--	**2,550**	**804**	--	186 J	--	**990**	<0.09	<0.28	2.05	<0.17	<0.100	<0.005	<0.080	<2.99	
MW-3	8/18/2021	1,642.02	6.95	7.93	0.98	--	1,635.07	**1,620**	**629**	--	134 J	--	**763 J**	<1.00	<1.00	<1.00	<3.00	<1.00	**<0.0200**	<1.00	--	
BD-1	8/18/2021	--	--	--	--	--	--	**1,330**	**610**	--	126 J	--	**736 J**	<1.00	<1.00	0.222 J	<3.00	<1.00	**<0.0200**	<1.00	--	
MW-3	2/23/2022	1,642.02	5.10	7.93	2.83	--	1,636.92	**1,900**	**1,360**	--	368	--	**1,728**	<0.0941	<0.278	1.55	<0.174	--	<0.00568	--	<2.99	
MW-3 DUP	2/23/2022	--	--	--	--	--	--	**2,230**	**1,550**	--	**670**	--	**2,220**	<0.0941	<0.278	2.98	<0.174	--	<0.00547	--	<2.99	
MW-3	6/16/2022	1,642.02	4.97	7.92	2.95	--	1,637.05	**1,320**	**947**	--	439	--	**1,386**	<0.0941	<0.278	1.08	<0.174	--	<0.00547	--	<2.99	
MW-3 DUP	6/16/2022	--	--	--	--	--	--	**1,380**	**931**	--	312	--	**1,243**	<0.0941	<0.278	1.22	<0.174	--	<0.00547	--	<2.99	
MW-3	9/2/2022	1,642.02	5.81	7.97	2.16	--	1,636.21	**1,460**	**1,090**	--	412	--	**1,502**	<1.00	<1.00	1.17	<3.00	--	**<0.0204**	--	<6.00	
MW-3 DUP	9/2/2022	--	--	--	--	--	--	**1,480**	**937**	--	307	--	**1,244**	<1.00	<1.00	1.04	<3.00	--	**<0.0208**	--	<6.00	
MW-3	12/1/2022	1,642.02	5.90	7.96	2.06	--	1,636.12	**1,100**	**1,210**	--	298	--	**1,508**	<1.00	<1.00	1.86	<3.00	<1.00	**<0.0208**	<1.00	<6.00	
MW-3 DUP	12/1/2022	--	--	--	--	--	--	**1,820**	**1,150**	--	258	--	**1,408**	<1.00	<1.00	1.75	<3.00	<1.00	**<0.0212**	<1.00	<6.00	
MW-3A	12/18/2023	1,641.54	4.91	10.04	5.13	--	1,636.63	<100	**501**	--	487 J	--	**988 J**	<1.00	0.567 J	0.158 J	1.04 J	--	**<0.0200**	--	5.34 J	
MW-3A	3/5/2024	1,641.54	4.39	8.37	3.98	--	1,637.15	32.7 B J	393	--	281	--	**674**	<1.00	<1.00	<1.00	<3.00	--	**<0.0204**	--	<6.00	
MW-3A	6/26/2024	1,641.54	5.29	8.31	3.02	--	1,636.25	<100	<200	<200	<250	<250	<250	<1.00	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	<6.00	
MW-4	4/20/2012	1,641.93	2.26	8.00	5.74	--	1,639.67	**6,000**	--	--	--	--	--	<0.300	<1.00	<1.00	<3.00	<1.0	**<0.023**	<1.0	--	
MW-4	4/19/2018	1,641.93	2.90	8.00	5.10	--	1,639.03	120	470	--	160	--	**630**	<0.500	4.0	<0.500	<0.500	<0.500	<0.0095	<0.500	<6.00	
MW-4	4/6/2021	1,641.93	4.67	8.14	3.47	--	1,637.26	<31.6	--	--	--	--	--	<0.09	<0.28	<0.14	<0.17	<0.100	<0.005	<0.08	--	
MW-4	8/18/2021	1,641.93	5.66	7.13	1.47	--	1,636.27	151 B	**940**	--	**844**	--	**1,784**	<1.00	<1.00	<1.00	<3.00	<1.00	--	<1.00	--	
MW-4	2/23/2022	1,641.93	4.74	8.17	3.43	--	1,637.19	<31.6	**507**	--	**1,000**	--	**1,507**	<0.0941	<0.278	<0.137	<0.174	--	<0.00536	--	<2.99	
MW-4	6/16/2022	1,641.93	4.38	8.17	3.79	--	1,637.55	<31.6	**831**	--	**1,040**	--	**1,871**	<0.0941	<0.278	<0.137	<0.174	--	<0.00547	--	<2.99	
MW-4	9/2/2022	1,641.93	5.54	8.18	2.64	--	1,636.39	--	--	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	**<0.0224**	--	--	
MW-4	12/1/2022	1,641.93	4.99	8.19	3.20	--	1,636.94	<100	--	--	--	--	--	<1.00	<1.00	<1.00	<3.00	<1.00	**<0.0214**	<1.00	--	
MW-4A	12/18/2023	1,641.93	5.01	8.41	3.40	--	1,636.92	<100	**1,140**	--	422	--	**1,562**	<1.00	0.301 J	<1.00	0.266 J	--	**<0.0204**	--	3.68 J	
MW-4A	3/5/2024	1,641.93	3.95	8.10	4.15	--	1,637.98	<100	395	--	308	--	**703**	<1.00	<1.00	<1.00	<3.00	--	**<0.0200**	--	<6.00	
MW-4A	6/26/2024	1,641.93	5.30	8.03	2.73	--	1,636.63	<100	214	<200	90.6 J	<250	304.6 J	<1.00	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	<6.00	
MW-5	4/18/2018	1,641.44	4.59	6.50	1.91	--	1,636.85	490	250	--	<100	--	300	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0094	<0.500	<6.0	
MW-5	4/6/2021	1,641.44	5.05	6.14	1.09	--	1,636.39	249	**1,210**	--	**534**	--	**1,744**	<0.09	<0.28	<0.14	<0.17	<0.100	<0.005	<0.08	<2.99	
MW-5	8/18/2021	1,641.44	5.90	6.23	0.33	--	1,635.54	287 B	**2,220**	--	**1,200**	--	**3,420**	<1.00	<1.00	<1.00	<3.00	<1.00	--	<1.00	--	
MW-5	2/23/2022	1,641.44	5.08	6.17	1.09	--	1,636.36	436	**1,420**	--	**982**	--	**2,402**	<0.0941	<0.278	<0.137	<0.174	--	<0.00595	--	<2.99	
MW-5	6/16/2022	1,641.44	5.13	6.16	1.03	--	1,636.31	286	**1,560**	--	**1,170**	--	**2,730**	<0.0941	<0.278	<0.137	<0.174	--	<0.00536	--	<2.99	
MW-5	9/2/2022	1,641.44	5.67	6.15	0.48	--	1,635.77	--	**2,070**	--	**1,160**	--	**3,230**	<1.00	<1.00	<1.00	<3.00	--	--	--	--	
MW-5	12/1/2022	1,641.44	5.48	6.16	0.68	--	1,635.96	<100	**1,910**	--	**1,270**	--	**3,180**	<1.00	<1.00	<1.00	<3.00	<1.00	**<0.0216**	<1.00	<6.00	
MW-5A	12/19/2023	1,640.41	4.91	10.04	5.13	--	1,635.50	41.4 J	**1,340**	--	**690**	--	**2,030**	<1.00	<1.00	<1.00	0.419 J	--	**<0.0222**	--	<6.00	
MW-5A	3/5/2024	1,640.41	4.69	9.96	5.27	--	1,635.72	<100	**763**	--	**539**	--	**1,302**	<1.00	<1.00	<1.00	<3.00	--	**<0.0200**	--	<6.00	
MW-5A	6/26/2024	1,640.41	5.43	9.96	4.53	--	1,634.98	32.2 J	480	<200	188 J	<250	**668 J**	<1.00	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	<6.00	
MW-6	4/18/2018	1,641.11	4.29	6.80	2.51	--	1,636.82	<50	<45	--	<100	--	<100	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0094	<0.500	<6.0	
MW-6	4/6/2021	1,641.11	4.66	5.44	0.78	--	1,636.45	<31.6	260	--	**704**	--	**964**	<0.09	<0.28	<0.14	<0.17	<0.100	<0.005	<0.08	<2.99	
MW-6	8/18/2021	1,641.11	5.28	5.42	0.14	--	1,635.83	--	283	--	**624**	--	**907**	--	--	--	--	--	--	<1.00	--	
MW-6	2/23/2022	1,641.11	4.62	5.43	0.81	--	1,636.49	<31.6	390	--	**1,330**	--	**1,720**	<0.0941	<0.278	<0.137	<0.174	--	<0.00552	--	--	

Table 1
Groundwater Gauging Data and TPH, BTEX, Fuel Additives, and Lead Analytical Results
Temple Distributing Carson Oil Site
808 South Columbus Avenue
Goldendale, Washington

Sample Location	Date	TOC (feet)	DTW (feet bgs)	Total Depth (feet bgs)	Water Column (feet)	LNAPL	GWE (feet)	TPH-GRO	TPH-DRO	TPH-DRO w SGT	TPH-HRO	TPH-HRO w SGT	TPH-DRO+HRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDB	EDC	Total Lead	Comments
						MTCA Method A CULs		**800/1,000**	**500**	**500**	**500**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**15**	
MW-6	6/16/2022	1,641.11	4.64	5.39	0.75	--	1,636.47	<31.6	242	--	**727**	--	**969**	<0.0941	<0.278	<0.137	<0.174	--	<0.00563	--	<2.99	
MW-6	9/2/2022	1,641.11	5.29	5.43	0.14	--	1,635.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Could not sample, not enough water column
MW-6	12/1/2022	1,641.11	5.05	5.42	0.37	--	1,636.06	<100	415	--	**609**	--	**1,024**	<1.00	<1.00	<1.00	<3.00	<1.00	**<0.0206**	<1.00	--	
MW-6	12/19/2023	1,640.51	4.82	5.51	0.69	--	1,635.69	<100	293	--	**1,020**	--	**1,313**	<1.00	0.668 J	0.209 J	1.07 J	--	**<0.0216**	--	7.21	
MW-6	3/5/2024	1,640.51	4.23	5.28	1.05	--	1,636.28	<100	195 J	--	281	--	476	<1.00	<1.00	<1.00	<3.00	--	**<0.0200**	--	3.16 J	
MW-6	6/26/2024	1,640.51	DRY	5.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled- well is dry
MW-7	4/18/2018	--	DRY	5.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-7	4/6/2021	--	DRY	7.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-7	8/18/2021	--	DRY	7.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-7	2/23/2022	--	DRY	7.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-7	6/15/2022	--	DRY	7.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-7	9/2/2022	--	4.67	4.76	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Could not be sampled due to Potential blockage in well
MW-7	12/1/2022	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-7	12/18/2023	1,641.21	DRY	4.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled- well is dry
MW-7	3/5/2024	1,641.21	DRY	4.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled- well is dry
MW-7	6/26/2024	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled- well is dry
MW-8	4/18/2018	1,641.18	2.34	5.00	2.66	--	1,638.84	<50	<49	--	<110	--	<110	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0094	<0.500	<6.00	
MW-8	4/6/2021	1,641.18	DRY	4.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-8	8/18/2021	1,641.18	DRY	4.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-8	2/23/2022	1,641.18	DRY	4.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-8	6/15/2022	1,641.18	DRY	4.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-8	9/2/2022	1,641.18	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-8	12/1/2022	1,641.18	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-8	12/18/2023	1,641.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - due to access limitations
MW-8	3/5/2024	1,641.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - due to access limitations
MW-8	6/26/2024	1,641.18	DRY	4.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-9	4/18/2018	1,642.88	3.01	7.00	3.99	--	1,639.87	<50	<47	--	<100	--	<100	<0.500	<0.500	<0.500	<0.500	<0.500	<0.0094	<0.500	<6.00	
MW-9	4/6/2021	1,642.88	5.25	6.61	1.36	--	1,637.63	<31.6	<66.7	--	234 J	--	267.35 J	<0.09	<0.28	<0.14	<0.17	<0.100	<0.005	<0.08	<2.99	
MW-9	8/18/2021	1,642.88	6.25	6.75	0.50	--	1,636.63	221 B	156 J	--	232 J	--	388 J	--	--	--	--	--	--	<1.00	--	
MW-9	2/23/2022	1,642.88	5.26	6.67	1.41	--	1,637.62	<31.6	107 J	--	248 J	--	355 J	<0.0941	<0.278	<0.137	<0.174	--	<0.00547	--	<2.99	
MW-9	6/16/2022	1,642.88	5.31	6.25	0.94	--	1,637.57	<31.6	157 J	--	233 J	--	390 J	<0.0941	<0.278	<0.137	<0.174	--	<0.00536	--	<2.99	
MW-9	9/2/2022	1,642.88	6.09	6.78	0.69	--	1,636.79	<100	117 J	--	246 J	--	363 J	<1.00	<1.00	<1.00	<3.00	--	**<0.0204**	--	<6.00	
MW-9	12/1/2022	1,642.88	5.86	6.70	0.84	--	1,637.02	<100	157 J	--	187 J	--	344 J	<1.00	<1.00	<1.00	<3.00	<1.00	**<0.0214**	<1.00	<6.00	
MW-9	12/18/2023	1,642.36	5.17	6.75	1.58	--	1,637.19	<100	<200	--	<250	--	<250	<1.00	<1.00	<1.00	0.333 J	--	**<0.0204**	--	<6.00	
MW-9	3/5/2024	1,642.36	4.38	6.67	2.29	--	1,637.98	<100	206	--	<250	--	331	<1.00	<1.00	<1.00	<3.00	--	**<0.0200**	--	<6.00	
MW-9	6/26/2024	1,642.36	5.45	6.65	1.20	--	1,636.91	<100	<200	<200	<250	<250	<250	<1.00	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	<6.00	
MW-10	12/18/2023	1,641.28	4.17	7.29	3.12	--	1,637.11	<100	81.4 J	--	<250	--	206.4 J	<1.00	<1.00	<1.00	0.327 J	--	**<0.0212**	--	3.62 J	
MW-10 DUP	12/18/2023	--	--	--	--		--	<100	108 J	--	112 J	--	220 J	<1.00	<1.00	<1.00	0.342 J	--	**<0.0208**	--	5.46 J	
MW-10	3/5/2024	1,641.28	3.71	7.20	3.49	--	1,637.57	<100	218	--	407	--	**625**	<1.00	<1.00	<1.00	<3.00	--	**<0.0202**	--	<6.00	
MW-10	6/26/2024	1,641.28	5.13	7.21	2.08	--	1,636.15	<100	<200	<200	<250	<250	<250	<1.00	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	<6.00	
TB	9/2/2022	--	--	--	--	--	--	<100	--	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	
TB	12/1/2022	--	--	--	--	--	--	<100	--	--	--	--	--	<1.00	<1.00	<1.00	<3.00	<1.00	**<0.0218**	<1.00	--	
TB-1	12/19/2023	--	--	--	--	--	--	<100	--	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	
TB-1	3/5/2024	--	--	--	--	--	--	<100	--	--	--	--	--	<1.00	<1.00	<1.00	<3.00	--	--	--	--	
TB-1	6/26/2024	--	--	--	--	--	--	<100	--	--	--	--	--	<1.00	<1.00	<1.00	<3.00	<1.00 J4	**<1.00**	<1.00	--	

Table 1
Groundwater Gauging Data and TPH, BTEX, Fuel Additives, and Lead Analytical Results
Temple Distributing Carson Oil Site
808 South Columbus Avenue
Goldendale, Washington

Notes:
1. 800/1,000 = TPH-GRO MTCA Method A CUL with benzene present is 800 µg/L and without is 1,000 µg/L.
2. Analytical results are presented in µg/L.
3. Historical analytical methods for the site may vary. Refer to historical site reports referenced below for specific analytical methods prior to 2022.
4. **BOLD and highlighted** values are greater than their respective MTCA Method A CUL.
5. **BOLD** values are non-detect and less than the laboratory reporting limit, but the reporting limit is greater than the MTCA Method A CUL

Acronyms and Abbreviations:
-- = not analyzed
µg/L = microgram per liter
bgs = below ground surface
BTEX = benzene, toluene, ethylbenzene, and total xylenes
CUL = cleanup level
DTW = depth to water in feet below TOC
DUP = blind duplicate sample results
EDB = 1,2-dibromoethane
EDC = 1,2-dichloroethane
GWE = groundwater elevation
MTBE = methyl tertiary butyl ether
MTCA = Model Toxics Control Act
ND = analyte not detected
TB = Trip Blank
TOC = top of casing
TPH = total petroleum hydrocarbons
TPH-DRO = total petroleum hydrocarbons as diesel-range organics
TPH-GRO = total petroleum hydrocarbons as gasoline-range organics
TPH-HRO = total petroleum hydrocarbons as heavy-oil range organics
USEPA = United States Environmental Protection Agency

Qualifiers:
< = Not detected at or greater than the laboratory method detection limit.
J = The identification of the analyte is acceptable; the reported value is an estimate
J+ = Reported result was flagged "J" because it is an estimated value with a high bias.
Y = The chromatograph response resembles a typical fuel pattern.
B = The compound has been found in the sample as well as its associated blank. Its presence in the sample may be a suspect

Current Analytical Methods:

2022 - Current	Volatile Organic compounds (GC) analyzed by Northwest Method NWTPH-Gx
	TPH-GRO
	Volatile Organic compounds (GC/MS) analyzed by Method 8260D
	Benzene, Toluene, Ethylbenzene, and Total Xylenes
	MTBE and EDC
	EDB analyzed by Method 8011.
	Semi-Volatile Organic compounds (GC) analyzed by Northwest Method NWTPHDX- NO SGT
	TPH-DRO and TPH-HRO
	Semi-Volatile Organic compounds (GC) analyzed by Northwest Method NWTPHDX- SGT
	TPH-DRO and TPH-HRO
	Metals (ICP) by USEPA Method 6010D
	Lead

References:
Leidos, Inc. 2018 Draft Remedial Investigation/ Feasibility Study Former Temple Distributing Site. 808 South Columbus Ave., Goldendale, Washington. April 12.
TerraGraphics Environmental Engineering, Inc. 2015. Final 2015 Supplemental Environmental Site Assessment Report Columbus Square, Goldendale, Washington. December 18.

Table 2
Groundwater Gauging Data and PAH Analytical Results
Temple Distributing Carson Oil Site
808 South Columbus Avenue
Goldendale, Washington

Sample Location	Date	TOC (feet)	DTW (feet bgs)	Total Depth (feet bgs)	Water Column (feet)	GWE (feet)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total cPAHs	Comments
					MTCA Method A CULs		NA	NA	NA	NA	0.1	NA	NA	NA	NA	NA	NA	NA	NA	160	NA	NA	0.1	
DPW-2	4/8/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Grab sample
DPW-2 DUP	4/8/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Grab sample
MW-1	4/18/2018	1,644.50	7.70	9.00	1.30	1,636.80	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300	<0.0300	<0.100	<0.0151	
MW-1	4/6/2021	1,644.50	6.96	7.24	0.28	1,637.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Insufficient water
MW-1	8/18/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	2/23/2022	--	7.17	7.73	--	--																		
MW-1	6/16/2022	--	DRY	--	--	--																		Well is dry
MW-1	9/2/2022	--	7.38	7.83	0.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	12/1/2022	1,644.50	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	12/18/2023	1,644.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - due to access agreement issue
MW-1	3/5/2024	1,644.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - due to access agreement issue
MW-1	6/26/2024	1,644.50	5.34	7.75	2.41	1,639.16	--	--	--	<0.0500 J3	<0.0500 J3	<0.0500 J3	--	<0.0500 J3	<0.0500 J3	<0.0500 J3	--	--	<0.0500 J3	<0.250	--	--	<0.0137	
MW-1 DUP	6/26/2024	--	--	--	--	--	--	--	--	<0.0500 J3	<0.0500 J3	<0.0500 J3	--	<0.0500 J3	<0.0500 J3	<0.0500 J3	--	--	<0.0500 J3	<0.250	--	--	<0.0137	
MW-2	4/20/2012	1,641.38	5.03	8.50	3.47	1,636.35	--	--	--	--	--	--	--	--	--	--	--	--	--	8.70	--	--	--	
MW-2	4/30/2012	1,641.38	--	8.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.2	--	--	--	Resample of MW-2
MW-2	4/19/2018	1,641.38	4.10	8.50	4.40	1,637.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	4/6/2021	1,641.38	5.03	7.07	2.04	1,636.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Insufficient water
MW-2	8/18/2021	1,641.38	5.65	7.18	1.53	1,635.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	2/23/2022	1,641.38	5.01	7.04	2.03	1,636.37	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	<0.0917	--	--	**<0.130**	
MW-2	6/16/2022	1,641.38	5.01	7.02	2.01	1,636.37	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	<0.0917	--	--	**<0.130**	
MW-2	9/2/2022	1,641.38	5.49	7.19	1.70	1,635.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	12/1/2022	1,641.38	5.81	7.18	1.37	1,635.57	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-2	12/18/2023	1,641.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-2	3/5/2024	1,641.38	4.50	7.00	2.50	1,636.88	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-2	6/26/2024	1,641.38	5.30	7.11	1.81	1,636.08	--	--	--	<0.0500 J3	<0.0500 J3	<0.0500 J3		<0.0500 J3	<0.0500 J3	<0.0500 J3	--	--	<0.0500 J3	<0.250	--	--	<0.0137	
MW-3	4/20/2012	1,642.02	5.03	8.50	3.47	1,636.99	--	--	--	--	--	--	--	--	--	--	--	--	--	66.0	--	--	--	
MW-3	4/30/2012	1,642.02	--	8.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40	--	--	--	Resample of MW-3
MW-3	4/18/2018	1,642.02	3.65	8.50	4.85	1,638.37	0.3	0.1	0.04	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	5.00	<0.0300	<0.100	<0.0151	
MW-3	4/6/2021	1,642.02	5.03	7.98	2,95	1,636.99	--	--	--	<0.0200	<0.0200	<0.017	--	<0.0200	<0.0200	<0.016	--	--	<0.016	3.63	--	--	--	
BD-1	4/6/2021	--	--	--	--	--	--	--	--	<0.0200	<0.0200	<0.017	--	<0.0200	<0.0200	<0.016	--	--	<0.016	3.13	--	--	--	
MW-3	8/18/2021	1,642.02	6.95	7.93	0.98	1,635.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
BD-1	8/18/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/23/2022	1,642.02	5.10	7.93	2.83	1,636.92	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	3.28	--	--	**<0.130**	
BD-1	2/23/2022	--	--	--	--	--	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	3.75	--	--	**<0.130**	
MW-3	6/16/2022	1,642.02	4.97	7.92	2.95		--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	1.7	--	--	**<0.130**	
MW-3 DUP	6/16/2022	1,642.02	--	--	--		--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	2.2	--	--	**<0.130**	
MW-3	9/2/2022	1,642.02	5.81	7.97	2.16	1,636.21	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	--	3.03	--	--	--	
MW-3 DUP	9/2/2022	--	--	--	--	--	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	--	3.28	--	--	--	
MW-3	12/1/2022	1,642.02	5.90	7.96	2.06	1,636.12	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	--	4.37	--	--	--	
MW-3 DUP	12/1/2022	--	--	--	--	--	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	--	4.96	--	--	--	
MW-3A	12/18/2023	1,641.54	4.91	10.04	5.13	1,636.63	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-3A	3/5/2024	1,641.54	4.39	8.37	3.98	1,637.15	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-3A	6/26/2024	1,641.54	5.29	8.31	3.02	1,636.25	--	--	--	<0.0500 J3	<0.0500 J3	<0.0500 J3	--	<0.0500 J3	<0.0500 J3	<0.0500 J3	--	--	<0.0500 J3	<0.250	--	--	<0.0137	
MW-4	4/20/2012	1,641.93	2.26	8.00	5.74	1,639.67	--	--	--	--	--	--	--	--	--	--	--	--	--	7.19	--	--	--	
MW-4	4/19/2018	1,641.93	2.90	8.00	5.10	1,639.03	<0.01	<0.01	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300	<0.0300	<0.0100	<0.0151	
MW-4	4/6/2021	1,641.93	4.67	8.14	3.47	1,637.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Insufficient water
MW-4	8/18/2021	1,641.93	5.66	7.13	1.47	1,636.27																		
MW-4	2/23/2022	1,641.93	4.74	8.17	3.43	1,637.19	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	<0.0917	--	--	**<0.130**	
MW-4	6/16/2022	1,641.93	4.38	8.17	3.79	1,637.55	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	<0.0917	--	--	**<0.130**	
MW-4	9/2/2022	1,641.93	5.54	8.18	2.64	1,636.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	12/1/2022	1,641.93	4.99	8.19	3.20	1,636.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2
Groundwater Gauging Data and PAH Analytical Results
Temple Distributing Carson Oil Site
808 South Columbus Avenue
Goldendale, Washington

Sample Location	Date	TOC (feet)	DTW (feet bgs)	Total Depth (feet bgs)	Water Column (feet)	GWE (feet)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total cPAHs	Comments
					MTCA Method A CULs		NA	NA	NA	NA	0.1	NA	NA	NA	NA	NA	NA	NA	NA	160	NA	NA	0.1	
MW-4A	12/18/2023	1,641.93	5.01	8.41	3.40	1,636.92	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	0.124 J	--	--	--	
MW-4A	3/5/2024	1,641.93	3.95	8.10	4.15	1,637.98	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-4A	6/26/2024	1,641.93	5.30	8.03	2.73	1,636.63				<0.0500 J3	<0.0500 J3	<0.0500 J3		<0.0500 J3	<0.0500 J3	<0.0500 J3			<0.0500 J3	<0.250			<0.0137	

Table 2
Groundwater Gauging Data and PAH Analytical Results
Temple Distributing Carson Oil Site
808 South Columbus Avenue
Goldendale, Washington

Sample Location	Date	TOC (feet)	DTW (feet bgs)	Total Depth (feet bgs)	Water Column (feet)	GWE (feet)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total cPAHs	Comments
					MTCA Method A CULs		NA	NA	NA	NA	0.1	NA	NA	NA	NA	NA	NA	NA	NA	160	NA	NA	0.1	
MW-5	4/18/2018	1,641.44	4.66	6.50	1.84	1,636.78	0.09	<0.01	0.02	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.300	<0.0100	<0.0300	0.050	<0.100	<0.0151	
MW-5	4/6/2021	1,641.44	5.05	6.14	1.09	1,636.39	--	--	--	<0.0200	<0.0200	<0.017	--	<0.0200	<0.0200	<0.016	--	--	<0.016	0.322	--	--	**<0.35**	
MW-5	8/18/2021	1,641.44	5.90	6.23	0.33	1,635.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	2/23/2022	1,641.44	5.08	6.17	1.09	1,636.36	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	0.248 J	--	--	**<0.130**	
MW-5	6/16/2022	1,641.44	5.13	6.16	1.03	1,636.31	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	0.26	--	--	**<0.130**	
MW-5	9/2/2022	1,641.44	5.67	6.15	0.48	1,635.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	12/1/2022	1,641.44	5.48	6.16	0.68	1,635.96	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-5A	12/19/2023	1,640.41	4.91	10.64	5.73	1,635.50	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	0.0947 J	--	--	--	
MW-5A	3/5/2024	1,640.41	4.69	9.96	5.27	1,635.72	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-5A	6/26/2024	1,640.41	5.43	9.96	4.53	1,634.98				<0.0500 J3	<0.0500 J3	<0.0500 J3		<0.0500 J3	<0.0500 J3	<0.0500 J3			<0.0500 J3	<0.250			<0.0137	
MW-6	4/18/2018	1,641.11	5.25	6.80	1.55	1,635.86	<0.01	<0.01	<0.01	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300	<0.0100	<0.0100	<0.0151	
MW-6	4/6/2021	1,641.11	4.66	5.44	0.78	1,636.45	--	--	--	<0.0200	<0.0200	<0.017	--	<0.0200	<0.0200	<0.016	--	--	<0.016	<0.0900	--	--	**<0.129**	
MW-6	8/18/2021	1,641.11	5.28	5.42	0.14	1,635.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	2/23/2022	1,641.11	4.62	5.43	0.81	1,636.49	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	<0.0917	--	--	**<0.130**	
MW-6	6/16/2022	1,641.11	4.64	5.39	0.75	1,636.47	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	<0.0917	--	--	**<0.130**	
MW-6	9/2/2022	1,641.11	5.29	5.43	0.14	1,635.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Could not sample, not enough water column
MW-6	12/1/2022	1,641.11	5.05	5.42	0.37	1,636.06	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-6	12/19/2023	1,640.51	4.82	5.51	0.69	1,635.69	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-6	3/5/2024	1,640.51	4.23	5.28	1.05	1,636.28	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-6	6/26/2024	1,640.51	DRY	5.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			--	
MW-7	4/18/2018	--	DRY	5.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-7	4/6/2021	--	DRY	7.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-7	8/18/2021	--	DRY	7.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-7	2/23/2022	--	DRY	7.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-7	6/16/2022	--	DRY	7.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-7	9/2/2022	--	4.67	4.76	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Could not sample. Potential blockage in well
MW-7	12/1/2022	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	12/2/2022	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	12/18/2023	1,641.21	DRY	4.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - well is dry
MW-7	3/5/2024	1,641.21	DRY	4.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - well is dry
MW-7	6/26/2024	1,641.21	DRY	4.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			--	Not sampled- well is dry
MW-8	4/18/2018	1,641.18	2.34	5.00	2.66	1,638.84	<0.01	<0.01	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300	<0.0300	<0.100	<0.0151	
MW-8	4/6/2021	--	DRY	4.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-8	8/18/2021	--	DRY	4.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-8	2/23/2022	--	DRY	4.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-8	6/16/2022	--	DRY	4.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled - Well Dry
MW-8	9/2/2022	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled – well dry
MW-8	12/1/2022	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	12/18/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - due to access agreement issue
MW-8	3/5/2024	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - due to access agreement issue
MW-8	6/26/2024	1,641.18	DRY	4.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			--	Not sampled - due to access limitations
MW-9	4/18/2018	1,642.88	3.01	7.00	3.99	1,639.87	<0.0100	<0.01	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0400	<0.0400	<0.100	<0.0151	
MW-9	4/6/2021	1,642.88	5.25	6.61	1.36	1,637.63	--	--	--	<0.0200	<0.0200	<0.017	--	<0.0200	<0.0200	<0.016	--	--	<0.016	<0.0900	--	--	**<0.129**	
MW-9	8/18/2021	1,642.88	6.25	6.75	0.50	1,636.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	2/23/2022	1,642.88	5.26	6.67	1.41	1,637.62	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	<0.0917	--	--	**<0.130**	
MW-9	6/16/2022	1,642.88	5.31	6.25	0.94	1,637.57	--	--	--	<0.0203	<0.0184	<0.0168	--	<0.0202	<0.0179	<0.0160	--	--	<0.0158	<0.0917	--	--	**<0.130**	
MW-9	9/2/2022	1,642.88	6.09	6.78	0.69	1,636.79	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	--	<0.250	--	--	--	
MW-9	12/1/2022	1,642.88	5.86	6.7	0.84	1,637.02	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-9	12/18/2023	1,642.36	5.17	6.75	1.58	1,637.19	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	

Table 2
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Temple Distributing Carson Oil Site
808 South Columbus Avenue
Goldendale, Washington

Sample Location	Date	TOC (feet)	DTW (feet bgs)	Total Depth (feet bgs)	Water Column (feet)	GWE (feet)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total cPAHs	Comments
					MTCA Method A CULs		NA	NA	NA	NA	0.1	NA	NA	NA	NA	NA	NA	NA	NA	160	NA	NA	0.1	
MW-9	3/5/2024	1,642.36	4.38	6.67	2.29	1,637.98	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-9	6/26/2024	1,642.36	5.45	6.65	1.20	1,636.91				<0.0500 J3	<0.0500 J3	<0.0500 J3		<0.0500 J3	<0.0500 J3	<0.0500 J3			<0.0500 J3	<0.250			<0.0137	
MW-10	12/18/2023	1,641.28	4.17	7.29	3.12	1,637.11	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-10 DUP	12/18/2023	--	--	--	--	--	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-10	3/5/2024	1,641.28	3.71	7.20	3.49	1,637.57	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	<0.250	--	--	--	
MW-10	6/26/2024	1,641.28	5.13	7.21	2.08	1,636.15	--	--	--	<0.0500 J3	<0.0500 J3	<0.0500 J3	--	<0.0500 J3	<0.0500 J3	<0.0500 J3	--	--	<0.0500 J3	<0.250	--	--	<0.0137	
TB	9/2/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TB	12/1/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TB-1	12/19/2023	--	--	--	--	--	--	--	--	<0.0500	<0.0500	<0.0500	--	<0.0500	<0.0500	<0.0500	--	--	<0.0500	--	--	--	--	
TB-1	6/26/2024	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 2
Groundwater Gauging Data and PAH Analytical Results
Temple Distributing Carson Oil Site
808 South Columbus Avenue
Goldendale, Washington

Notes:
1. Analytical results are presented in µg/L.
2. Historical analytical methods for the site may vary. Refer to historical site reports referenced below for specific analytical methods prior to 2021.
3. **BOLD and highlighted** values are greater than their respective MTCA Method A CUL.
4. **BOLD** values are nondetect and less than the laboratory reporting limit, but the reporting limit is greater than the MTCA Method A CUL.
5. Total cPAHs derived according to MTCA Cleanup Regulation Table 740-1 [d].

Acronyms and Abbreviations:
-- = not analyzed
µg/L = microgram per liter
bgs = below ground surface
cPAH = carcinogenic polycyclic aromatic hydrocarbons
CUL = cleanup level
DTW = depth to water in feet below TOC
DUP = blind duplicate sample results
GWE = groundwater elevation
MTCA = Model Toxics Control Act
NA = no applicable MTCA Method A CUL
TOC = top of casing
USEPA = United States Environmental Protection Agency

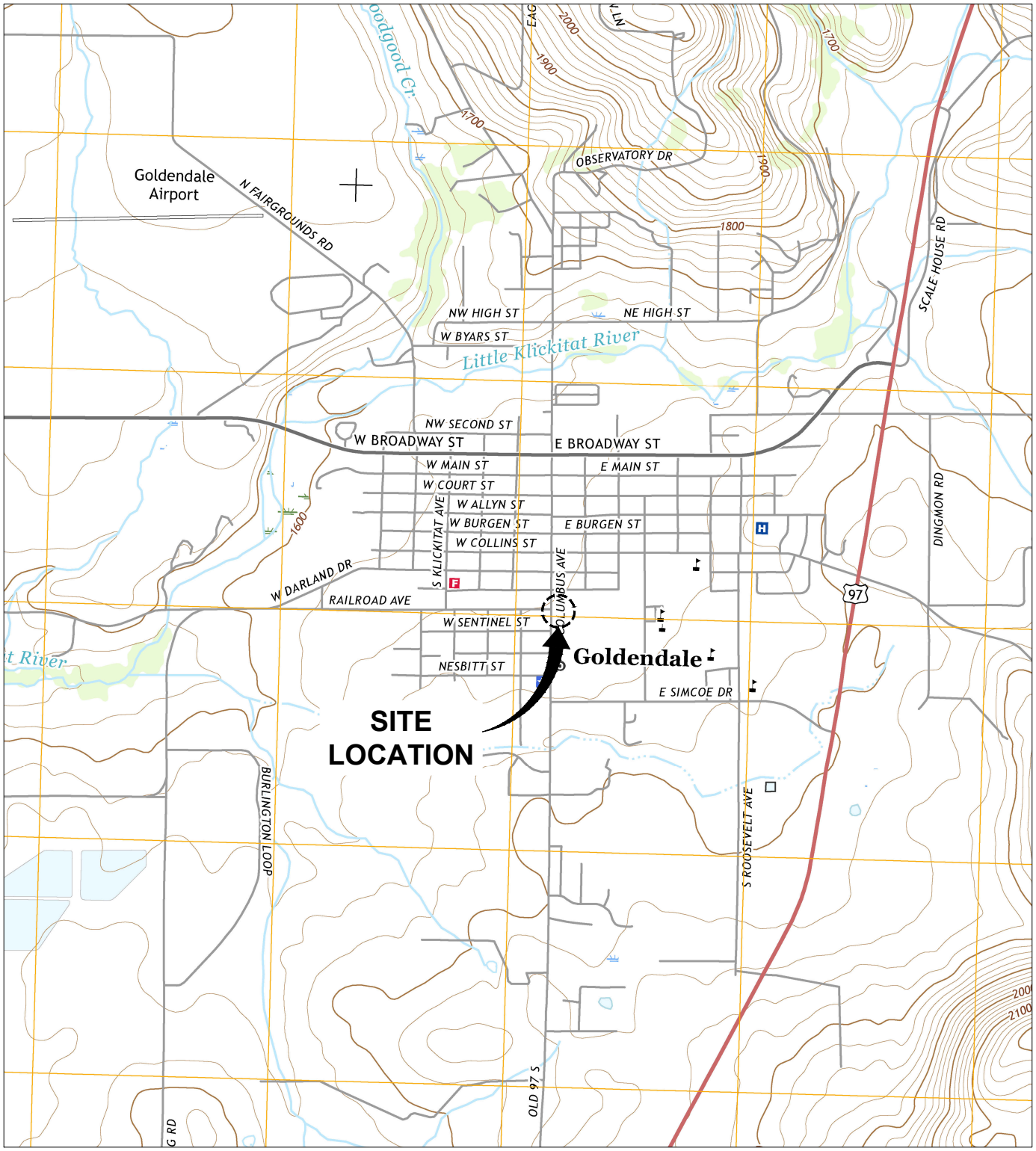
Qualifier:
< = Not detected at or above the reporting limit (or method detection limit where applicable)
J = The identification of the analyte is acceptable; the reported value is an estimate
J3 = The associated batch QC was outside the established quality control range for precision.

Analytical Methods:

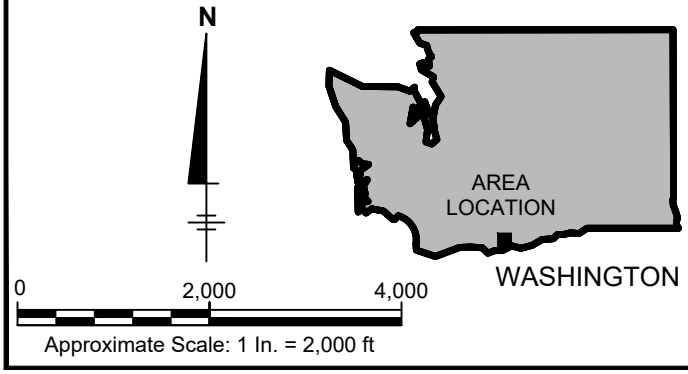
Year	Analyte and Analytical Method
2021 - Current	cPAHs analyzed by USEPA Method 8270E-SIM

References:
Leidos, Inc. 2018. Draft Remedial Investigation/ Feasibility Study Former Temple Distributing Site. 808 South Columbus Ave., Goldendale, Washington. April 12.
TerraGraphics Environmental Engineering, Inc. 2015. Final 2015 Supplemental Environmental Site Assessment Report Columbus Square, Goldendale, Washington. December 18.

FIGURES



SOURCE: BASEMAP USGS 7.5. MIN. TOPO. QUAD., GOLDENDALE, WASHINGTON 2017.

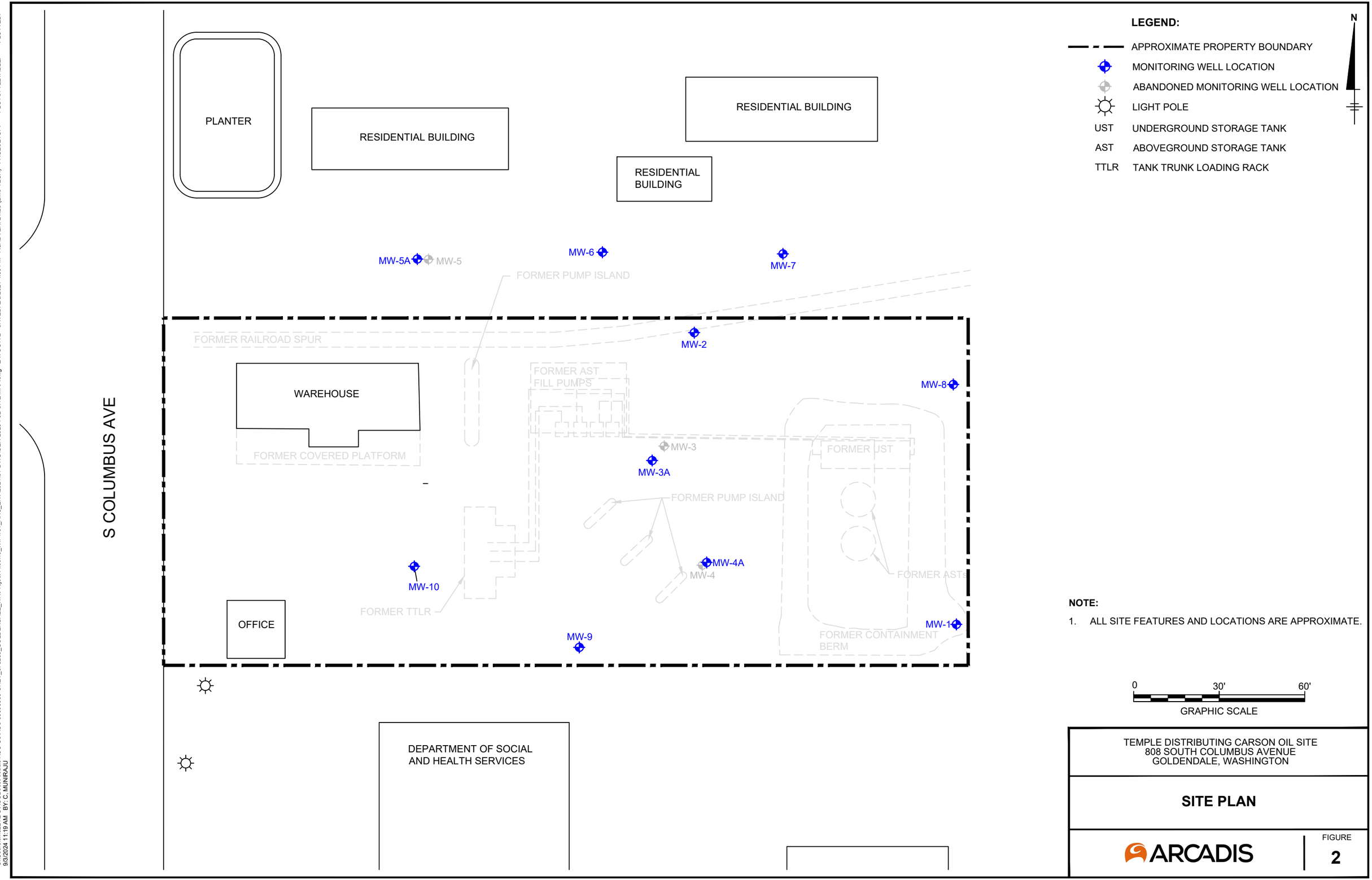


TEMPLE DISTRIBUTING CARSON OIL SITE
808 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

SITE LOCATION MAP

ARCADIS

FIGURE 1



NOTE:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 30' 60'

GRAPHIC SCALE

TEMPLE DISTRIBUTING CARSON OIL SITE
808 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

SITE PLAN

ARCADIS

FIGURE
2

PLANTER

RESIDENTIAL BUILDING

RESIDENTIAL BUILDING

RESIDENTIAL BUILDING

S COLUMBUS AVE

FORMER PUMP ISLAND

MW-5A (1,634.98)

MW-5

MW-6 (DRY)

MW-7 (DRY)

FORMER RAILROAD SPUR

MW-2 (1,636.08)

WAREHOUSE

FORMER COVERED PLATFORM

FORMER AST FILL PUMPS

MW-8 (DRY)

MW-3

MW-3A (1,636.25)

0.018 FT/FT

FORMER USTs

FORMER PUMP ISLAND

MW-4A (1,636.63)

MW-4

FORMER ASTs

MW-10 (1,636.15)

FORMER TTLR

OFFICE

MW-9 (1,636.91)

FORMER CONTAINMENT BERM

MW-1 (1,639.16)

FORMER 3-STALL GARAGE

1,635.50

1,636.00

1,636.50

1,637.00

1,637.50

1,638.00

1,638.50

1,639.00

DEPARTMENT OF SOCIAL AND HEALTH SERVICES

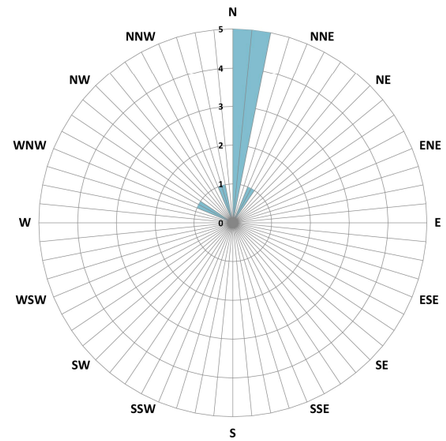
LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- LIGHT POLE
- 1,639.00 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- (1,639.16) — GROUNDWATER ELEVATION IN FEET ABOVE NAVD 88
- INFERRED GROUNDWATER FLOW DIRECTION
- (DRY) — WELL IS DRY

N

ACRONYMS AND ABBREVIATIONS :

AST	ABOVEGROUND STORAGE TANK
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
TTLR	TANK TRUNK LOADING RACK
UST	UNDERGROUND STORAGE TANK



Groundwater Flow Direction

NOTE:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 30' 60'

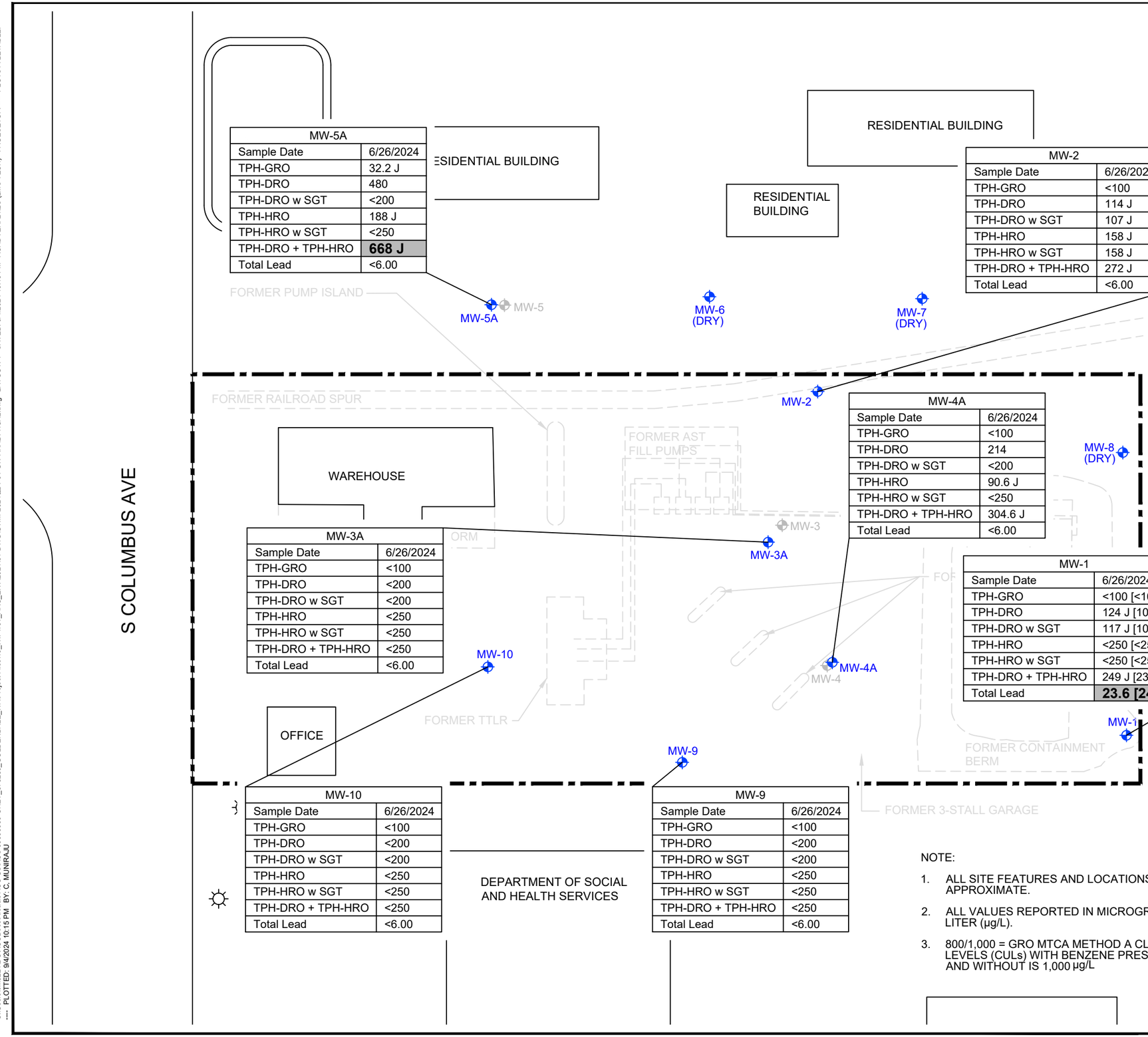
GRAPHIC SCALE

TEMPLE DISTRIBUTING CARSON OIL SITE
808 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

GROUNDWATER ELEVATION CONTOUR MAP JUNE 26, 2024

ARCADIS

FIGURE 3



MW-5A	
Sample Date	6/26/2024
TPH-GRO	32.2 J
TPH-DRO	480
TPH-DRO w SGT	<200
TPH-HRO	188 J
TPH-HRO w SGT	<250
TPH-DRO + TPH-HRO	**668 J**
Total Lead	<6.00

MW-2	
Sample Date	6/26/2024
TPH-GRO	<100
TPH-DRO	114 J
TPH-DRO w SGT	107 J
TPH-HRO	158 J
TPH-HRO w SGT	158 J
TPH-DRO + TPH-HRO	272 J
Total Lead	<6.00

MW-4A	
Sample Date	6/26/2024
TPH-GRO	<100
TPH-DRO	214
TPH-DRO w SGT	<200
TPH-HRO	90.6 J
TPH-HRO w SGT	<250
TPH-DRO + TPH-HRO	304.6 J
Total Lead	<6.00

MW-3A	
Sample Date	6/26/2024
TPH-GRO	<100
TPH-DRO	<200
TPH-DRO w SGT	<200
TPH-HRO	<250
TPH-HRO w SGT	<250
TPH-DRO + TPH-HRO	<250
Total Lead	<6.00

MW-1	
Sample Date	6/26/2024
TPH-GRO	<100 [<100]
TPH-DRO	124 J [105 J]
TPH-DRO w SGT	117 J [105 J]
TPH-HRO	<250 [<250]
TPH-HRO w SGT	<250 [<250]
TPH-DRO + TPH-HRO	249 J [230 J]
Total Lead	**23.6 [24.3]**

MW-10	
Sample Date	6/26/2024
TPH-GRO	<100
TPH-DRO	<200
TPH-DRO w SGT	<200
TPH-HRO	<250
TPH-HRO w SGT	<250
TPH-DRO + TPH-HRO	<250
Total Lead	<6.00

MW-9	
Sample Date	6/26/2024
TPH-GRO	<100
TPH-DRO	<200
TPH-DRO w SGT	<200
TPH-HRO	<250
TPH-HRO w SGT	<250
TPH-DRO + TPH-HRO	<250
Total Lead	<6.00

NOTE:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. ALL VALUES REPORTED IN MICROGRAMS PER LITER (µg/L).
3. 800/1,000 = GRO MTCA METHOD A CLEANUP LEVELS (CULs) WITH BENZENE PRESENT IS 800 µg/L AND WITHOUT IS 1,000 µg/L

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- LIGHT POLE
- **BOLD** — VALUES ARE GREATER THAN THEIR RESPECTIVE MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVEL
- < — NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT (RDL)
- [ ] — DUPLICATE SAMPLES
- (DRY) — WELL IS DRY

ACRONYMS AND ABBREVIATIONS

AST	ABOVEGROUND STORAGE TANK
SGT	SILICA GEL TREATMENT
TPH-DRO	TOTAL PETROLEUM HYDROCARBONS, DIESEL RANGE ORGANICS
TPH-GRO	TOTAL PETROLEUM HYDROCARBONS, GASOLINE RANGE ORGANICS
TPH-HRO	TOTAL PETROLEUM HYDROCARBONS, HEAVY OIL-RANGE ORGANICS
TTLR	TANK TRUNK LOADING RACK
UST	UNDERGROUND STORAGE TANK

LABORATORY QUALIFIERS

J — THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE

Well ID	
Constituent	MTCA CULs
TPH-GRO	800/1,000
TPH-DRO	500
TPH-DRO w SGT	500
TPH-HRO	500
TPH-HRO w SGT	500
TPH-DRO + TPH-HRO	500
Total Lead	15

0 — 30' — 60'

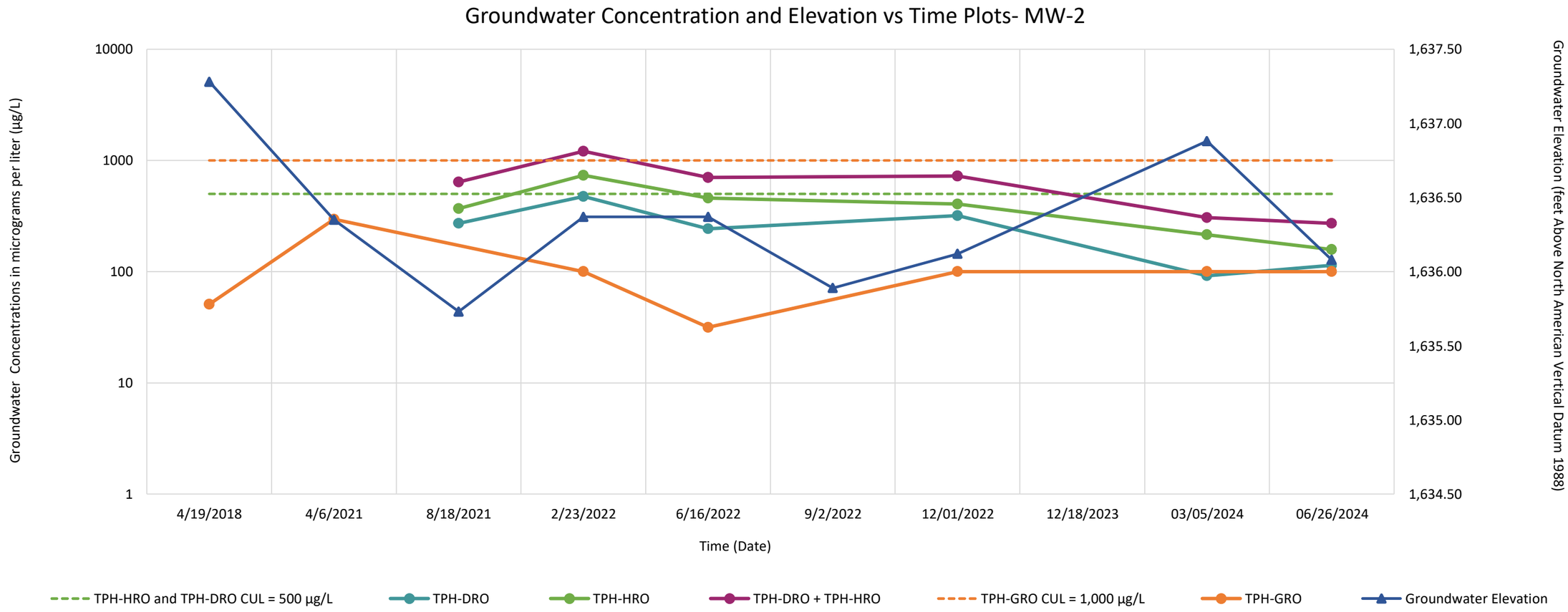
GRAPHIC SCALE

TEMPLE DISTRIBUTING CARSON OIL SITE
808 SOUTH COLUMBUS AVENUE
GOLDENDALE, WASHINGTON

GROUNDWATER ANALYTICAL MAP JUNE 26, 2024

ARCADIS

FIGURE 4



Notes:
CUL = MTCA Method A Cleanup Level

GROUNDWATER MONITORING REPORT
SECOND QUARTER 2024

GROUNDWATER CONCENTRATION AND ELEVATION VERSUS TIME PLOTS, MONITORING WELL MW-2

ARCADIS

FIGURE
5

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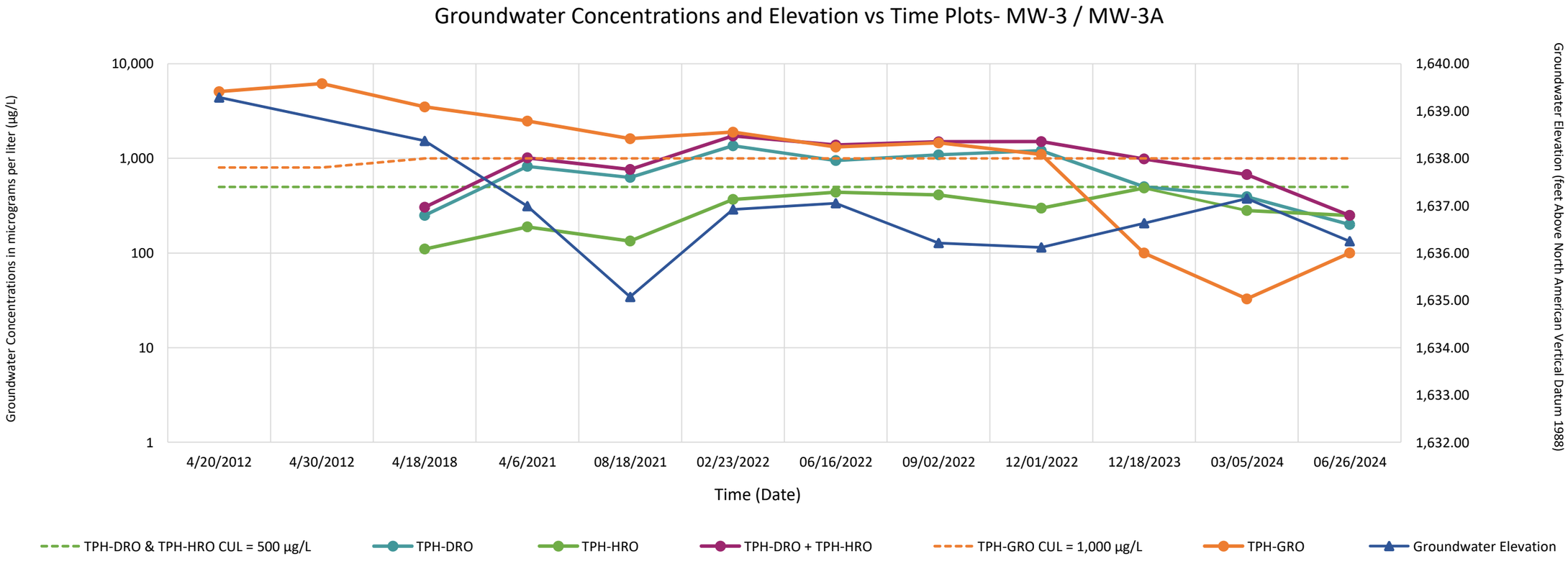

Notes:
CUL = MTCA Method A Cleanup Level
MW-3 was abandoned in support of the completed Interim Action. This well was reinstalled as MW-3A in fourth quarter 2023.

GROUNDWATER MONITORING REPORT
SECOND QUARTER 2024

GROUNDWATER CONCENTRATION AND ELEVATION VERSUS TIME PLOTS, MONITORING WELL MW-3/MW-3A

ARCADIS

FIGURE
6

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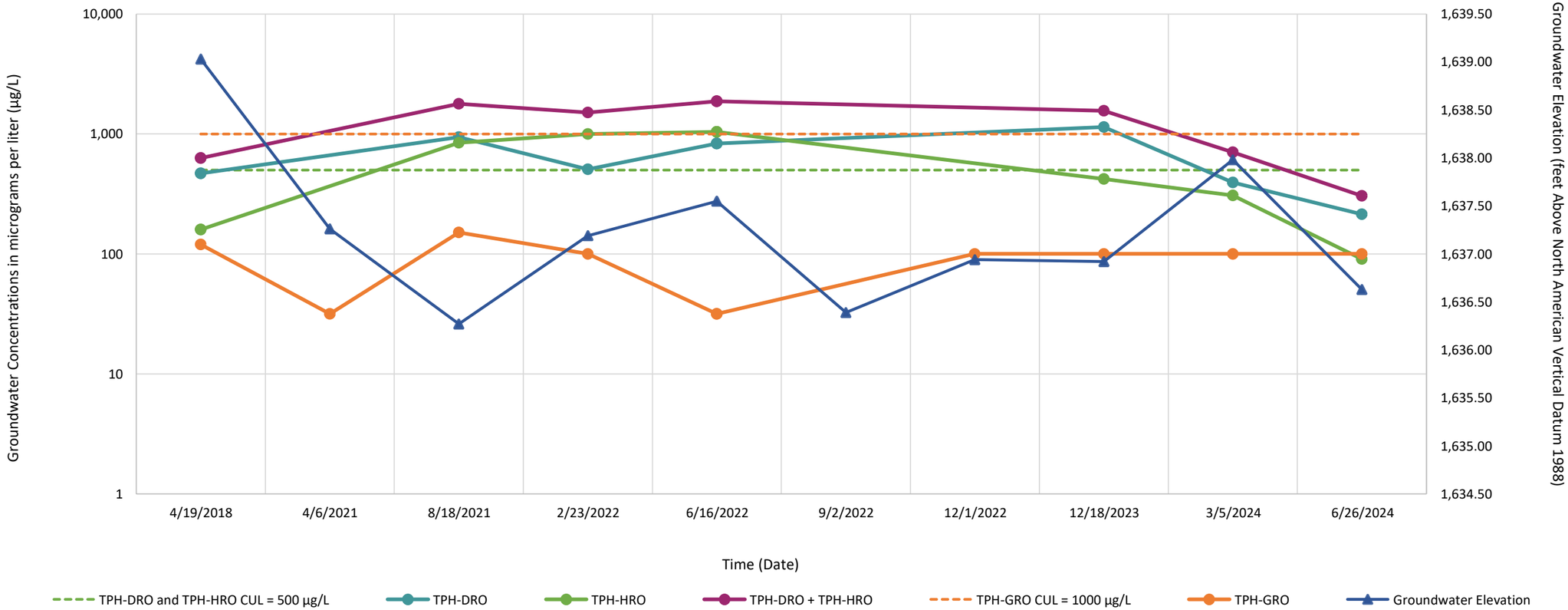
Groundwater Concentrations and Elevation vs Time Plots- MW-4 / MW-4A



Notes:
CUL = MTCA Method A Cleanup Level
MW-4 was abandoned in support of the completed Interim Action. This well was reinstalled as MW-4A in fourth quarter 2023

GROUNDWATER MONITORING REPORT
SECOND QUARTER 2024

GROUNDWATER CONCENTRATION AND ELEVATION VERSUS TIME PLOTS, MONITORING WELL MW-4/MW-4A

ARCADIS

FIGURE
7

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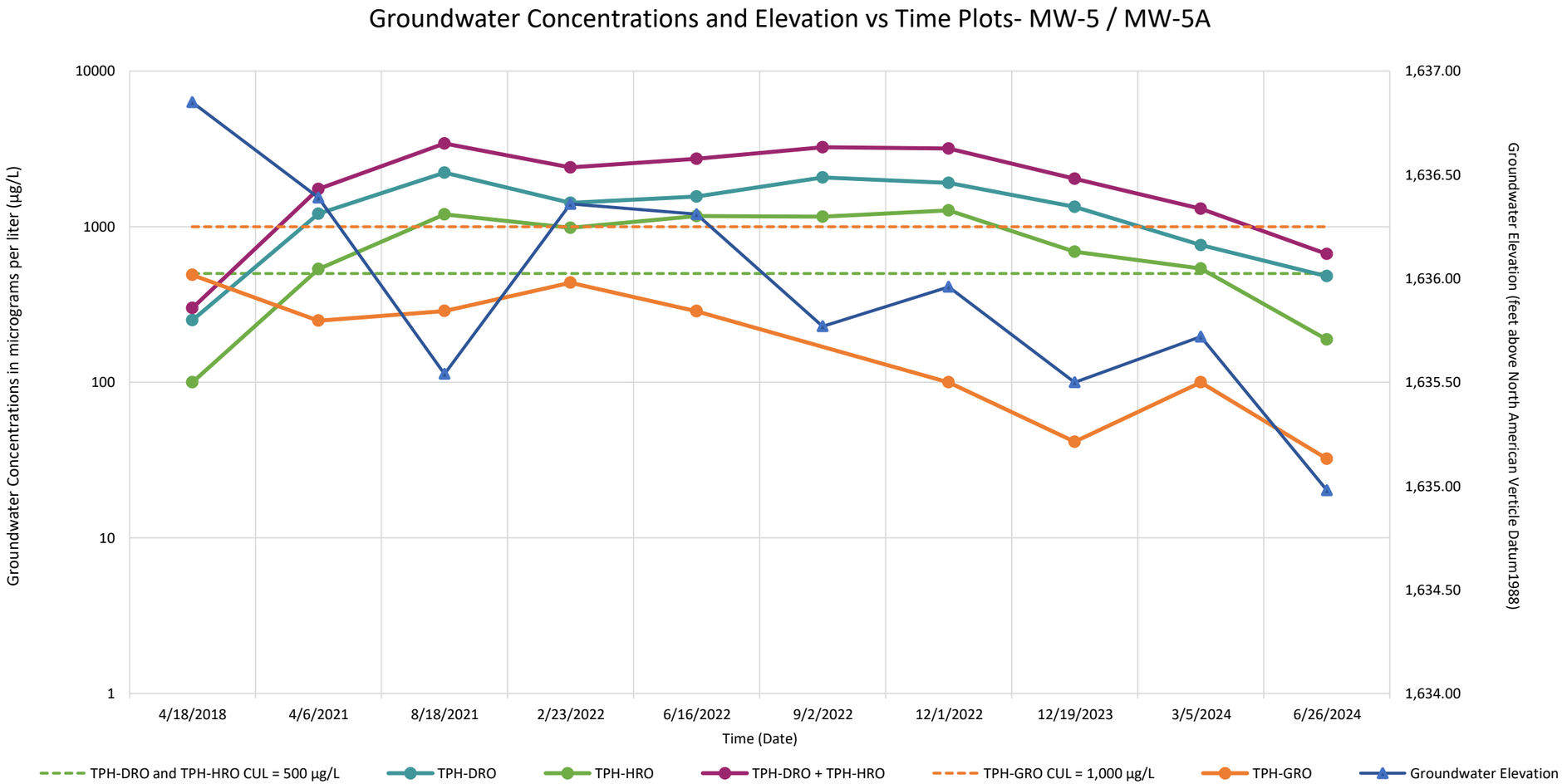

Notes:
CUL = MTCA Method A Cleanup Level
MW-5 was abandoned in support of the completed Interim Action. This well was reinstalled as MW-5A in fourth quarter 2023

GROUNDWATER MONITORING REPORT
SECOND QUARTER 2024

GROUNDWATER CONCENTRATION AND ELEVATION VERSUS TIME PLOTS, MONITORING WELL MW-5/MW-5A

ARCADIS

FIGURE
8

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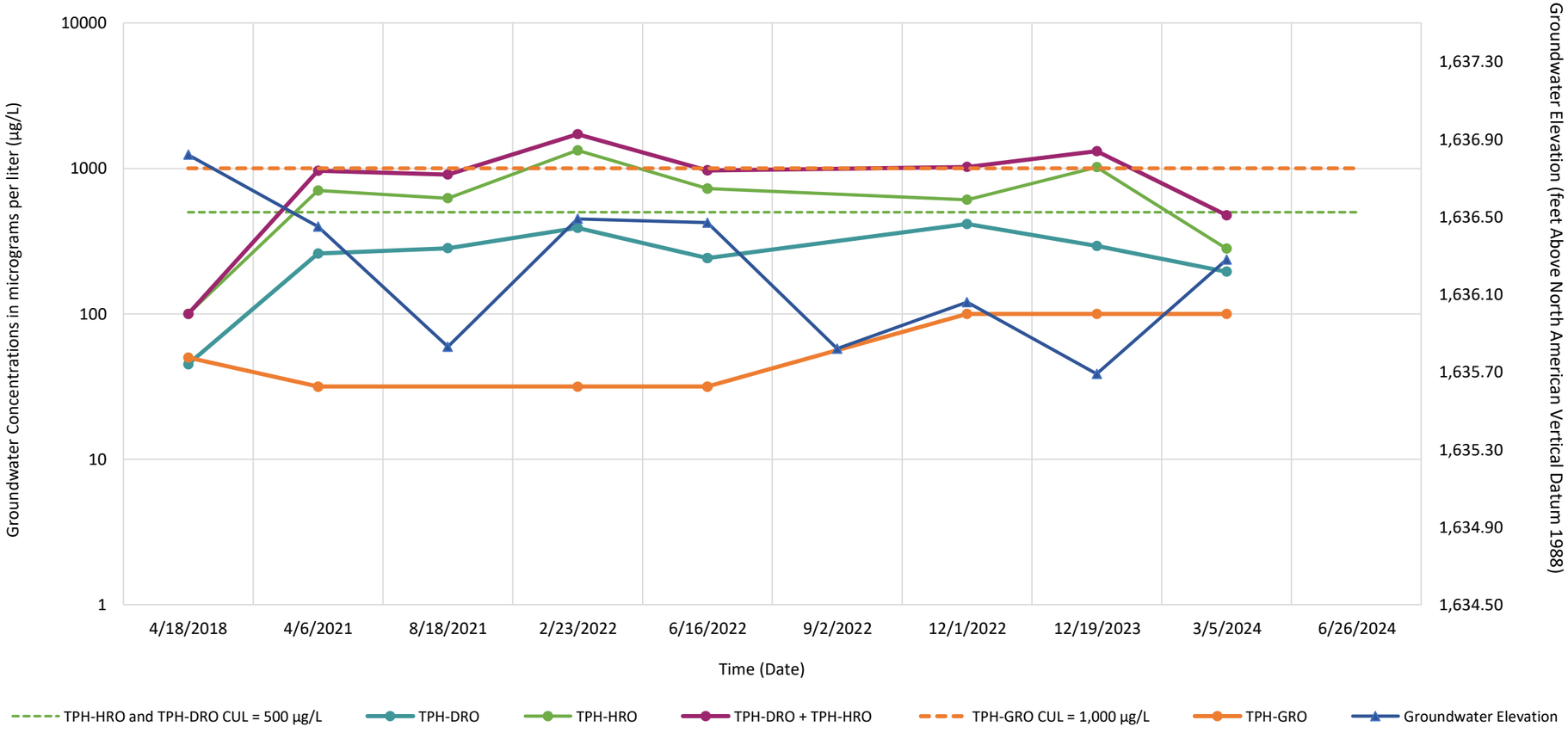
Groundwater Concentrations and Elevation vs Time Plots- MW-6



Notes:
CUL = MTCA Method A Cleanup Level

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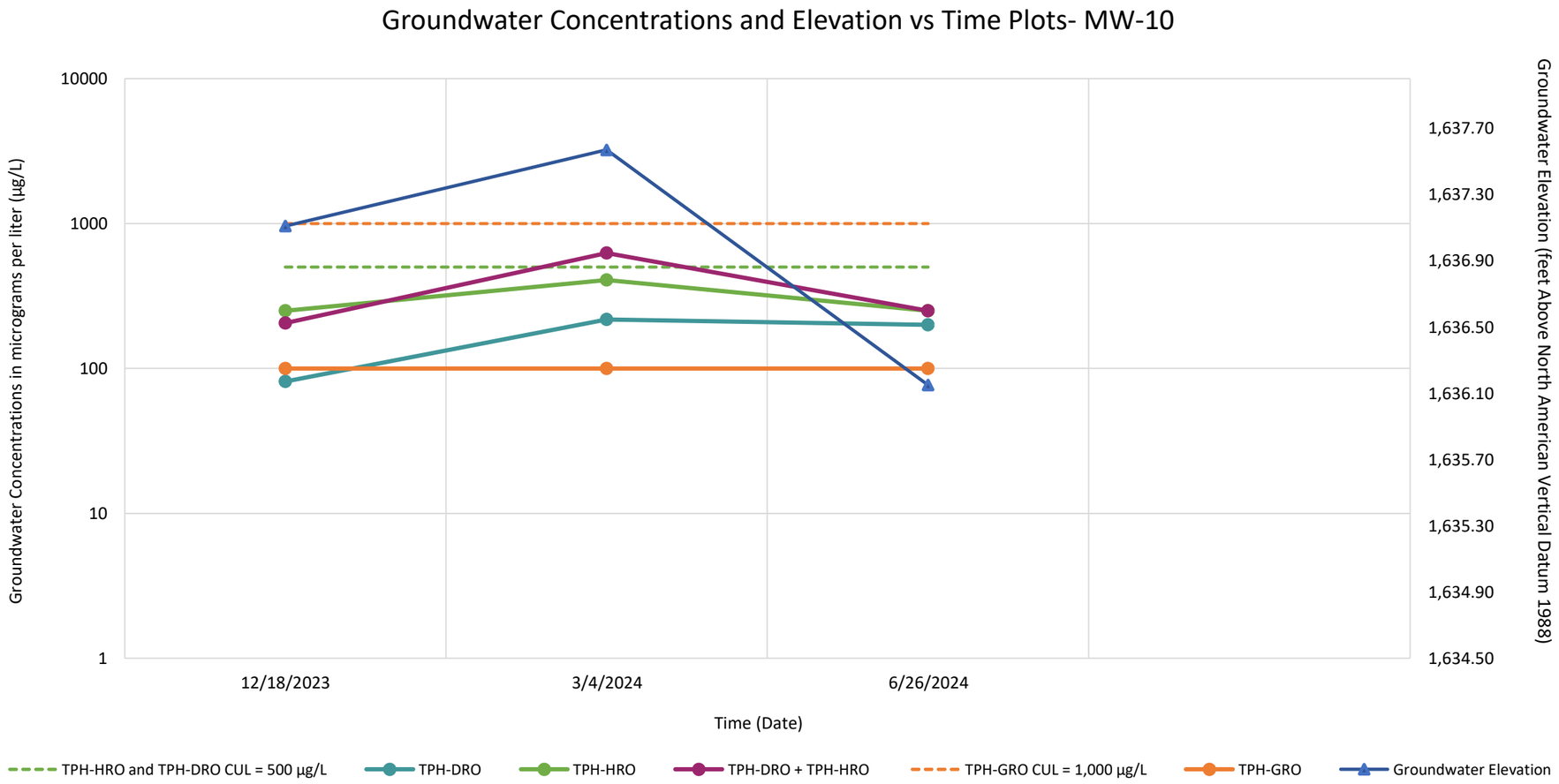
GROUNDWATER MONITORING REPORT
SECOND QUARTER 2024

GROUNDWATER CONCENTRATION AND ELEVATION VERSUS TIME PLOTS, MONITORING WELL MW-6

ARCADIS

FIGURE
9



Notes:
CUL = MTCA Method A Cleanup Level

GROUNDWATER MONITORING REPORT
SECOND QUARTER 2024

GROUNDWATER CONCENTRATION AND ELEVATION VERSUS TIME PLOTS, MONITORING WELL MW-10

ARCADIS

FIGURE
10

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Attachment A

Field Data Sheets

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

July 9, 2024

ARCADIS
Eric Epple
320 Commerce, Suite 200
Irvine, CA 92602, CA

Second Quarter 2024 Monitoring at
Site Number 375289
808 South Columbus Ave
Goldendale, WA

Monitoring performed on June 26, 2-24

Blaine Tech Services, Inc. Groundwater Monitoring Event 240626-MH1

This submission covers the routine monitoring of groundwater wells conducted on June 26, 2-24 at this location. Ten monitoring wells were measured for depth to groundwater (DTW) and presence of separate-phase hydrocarbons (SPH). Seven monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels and separate-phase measurements were collected using an electronic water level meter or oil-water interface detector. All sampled wells were sampled utilizing the Low-flow Sampling Method. Purging was accomplished using peristaltic pumps, bladder pumps, electric submersible pumps, positive air-displacement pumps. All reused equipment was decontaminated with de-ionized water and Liquinox or equivalent.

Samples were delivered under chain-of-custody to Pace Analytical for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill of lading to Blaine Tech Services, Inc.'s yard in Auburn, WA, and bulked for future transportation (within 90 days) under non-hazardous manifest for disposal at Evoqua Water Technologies, a licensed facility.

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, Bill of Lading, and Chain-of-Custody.

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 WWW.BLAINETECH.COM

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Thank you,

Lee Bures
Blaine Tech Services, Inc
Project Manager

attachments: Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody Forms
Wellhead Inspection Form
Bill of Lading

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE
1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 WWW.BLAINETECH.COM

Groundwater Gauging Log

Project Number	30079744
Client:	Chevron
Site ID:	375289
Site Location:	Goldendale, Washington
Measuring Point:	Top of Casing
Date(s):	06/26/2024
Sampler(s):	Aimee Rike
Gauging Equipment:	Water Level Meter

Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft bmp)	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
MW-1	06/26/2024	08:00	5.34	ND	7.75	--	--	--
MW-2	06/26/2024	07:44	5.30	ND	7.11	--	--	--
MW-3A	06/26/2024	07:36	5.29	ND	8.31	--	--	--
MW-4A	06/26/2024	07:32	5.30	ND	8.03	--	--	--
MW-5A	06/26/2024	07:40	5.43	ND	9.96	--	--	--
MW-6	06/26/2024	07:47	Dry	ND	5.25	--	--	--
MW-7	06/26/2024	07:51	Dry	ND	4.63	--	--	--
MW-8	06/26/2024	07:55	Dry	ND	4.74	--	--	--
MW-9	06/26/2024	07:28	5.45	ND	6.65	--	--	--
MW-10	06/26/2024	07:24	5.13	ND	7.21	--	--	--

ft-bmp = feet below measuring point ND = Not Detected PID = Photoionization Detector Reading

ppm = parts per million -- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30079744	**Well ID**	MW-1	**Date**	6/26/2024		
Site Location	Goldendale, Washington	**Site ID**	375289	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	5.34	**Total Depth (ft-bmp)**	7.75	**Water Column (ft)**	2.41	**Gallons in Well**	0.39
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	08:21	**Well Volumes Purged**	2.03	**Sample ID**	MW-1-W-20240626	**Purge Equipment**	Peristaltic
Purge Start	08:03	**Gallons Purged**	0.79	**Duplicate ID**	BD-W-20240626	**Sample Equipment**	Peristaltic
Purge End	08:20	**Total Purge Time (h:m)**	0:17				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:06	200	5.35	7.01	0.523	4.0	5.89	18.78	118.7	--	--
08:09	200	5.37	6.98	0.531	2.0	5.86	19.13	116	--	--
08:12	200	5.37	6.99	0.536	2.0	5.90	18.67	114.6	--	--
08:15	200	5.39	6.99	0.541	2.0	5.94	18.36	112.2	--	--
08:18	200	5.41	7.00	0.537	2.0	5.91	18.45	109.8	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MW-1-W-20240626	Sample Time:	08:21	Sample Depth (ft-bmp) (e.g. pump intake):	6.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	5.42

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30079744	**Well ID**	MW-2	**Date**	6/26/2024		
Site Location	Goldendale, Washington	**Site ID**	375289	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	5.3	**Total Depth (ft-bmp)**	7.11	**Water Column (ft)**	1.81	**Gallons in Well**	0.29
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	
Sample Time	09:32	**Well Volumes Purged**	2.73	**Sample ID**	MW-2-W-20240626	**Purge Equipment**	Peristaltic
Purge Start	09:14	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	09:31	**Total Purge Time (h:m)**	0:17				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:17	200	5.35	6.67	0.337	4.0	2.93	19.50	93	--	--
09:17	200	5.32	6.79	0.339	7.0	3.07	22.61	88	--	--
09:20	200	5.33	6.77	0.345	5.0	3.10	20.55	90.5	--	--
09:23	200	5.35	6.73	0.342	4.0	3.02	19.64	91.9	--	--
09:26	200	5.35	6.70	0.338	4.0	2.97	19.44	92.8	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-2-W-20240626 Sample Time: 09:32 Sample Depth (ft-bmp) (e.g. pump intake): 6

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 5.36

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30079744	**Well ID**	MW-3A	**Date**	6/26/2024		
Site Location	Goldendale, Washington	**Site ID**	375289	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	2 to 7	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	5.29	**Total Depth (ft-bmp)**	8.31	**Water Column (ft)**	3.02	**Gallons in Well**	0.49
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	
Sample Time	10:31	**Well Volumes Purged**	1.62	**Sample ID**	MW-3A-W-20240626	**Purge Equipment**	Peristaltic
Purge Start	10:13	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	10:30	**Total Purge Time (h:m)**	0:17				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:16	200	5.3	7.20	0.533	33.0	4.14	22.49	36.4	--	--
10:19	200	5.33	7.23	0.593	44.0	3.79	18.41	33.1	--	--
10:22	200	5.33	7.30	0.603	33.0	3.21	17.89	31	--	--
10:25	200	5.36	7.31	0.599	30.0	3.21	17.76	28.8	--	--
10:28	200	5.37	7.31	0.599	30.0	3.13	17.76	27.5	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-3A-W-20240626 Sample Time: 10:31 Sample Depth (ft-bmp) (e.g. pump intake): 6.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 5.38

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30079744	**Well ID**	MW-4A	**Date**	6/26/2024		
Site Location	Goldendale, Washington	**Site ID**	375289	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	2 to 7	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	5.3	**Total Depth (ft-bmp)**	8.03	**Water Column (ft)**	2.73	**Gallons in Well**	0.44
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	
Sample Time	11:03	**Well Volumes Purged**	1.80	**Sample ID**	MW-4A-W-20240626	**Purge Equipment**	Peristaltic
Purge Start	10:45	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	11:02	**Total Purge Time (h:m)**	0:17				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:48	200	5.33	7.34	0.581	9.0	3.98	18.66	63.7	--	--
10:51	200	5.33	7.29	0.581	5.0	3.57	18.53	60.2	--	--
10:54	200	5.35	7.25	0.581	5.0	3.09	18.48	57	--	--
10:57	200	5.35	7.22	0.579	6.0	3.07	18.42	53.8	--	--
11:00	200	5.37	7.19	0.572	5.0	2.97	18.38	51.1	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-4A-W-20240626 Sample Time: 11:03 Sample Depth (ft-bmp) (e.g. pump intake): 6.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 5.37

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30079744	**Well ID**	MW-5A	**Date**	6/26/2024		
Site Location	Goldendale, Washington	**Site ID**	375289	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	2 to 7	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	5.43	**Total Depth (ft-bmp)**	9.96	**Water Column (ft)**	4.53	**Gallons in Well**	0.74
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	10:03	**Well Volumes Purged**	1.07	**Sample ID**	MW-5A-W-20240626	**Purge Equipment**	Peristaltic
Purge Start	09:45	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	10:02	**Total Purge Time (h:m)**	0:17				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:48	200	5.45	6.86	0.733	17.0	2.60	22.60	74.3	--	--
09:51	200	5.45	6.88	0.740	16.0	2.44	21.38	64.5	--	--
09:54	200	5.47	6.92	0.740	15.0	2.27	19.84	57.7	--	--
09:57	200	5.49	6.94	0.736	15.0	2.25	19.54	50.7	--	--
10:00	200	5.49	6.96	0.737	15.0	2.20	19.45	47.9	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-5A-W-20240626 Sample Time: 10:03 Sample Depth (ft-bmp) (e.g. pump intake): 7.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 5.5

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30079744	**Well ID**	MW-9	**Date**	6/26/2024		
Site Location	Goldendale, Washington	**Site ID**	375289	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	5.45	**Total Depth (ft-bmp)**	6.65	**Water Column (ft)**	1.2	**Gallons in Well**	0.19
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	
Sample Time	11:31	**Well Volumes Purged**	4.17	**Sample ID**	MW-9-W-20240626	**Purge Equipment**	Peristaltic
Purge Start	11:13	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	11:30	**Total Purge Time (h:m)**	0:17				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:16	200	5.46	7.13	0.353	40.0	3.34	22.84	61.5	--	--
11:19	200	5.46	7.08	0.360	27.0	3.36	20.41	61.9	--	--
11:22	200	5.49	7.08	0.355	17.0	3.15	19.20	61.4	--	--
11:25	200	5.49	7.06	0.354	15.0	3.09	19.12	60.5	--	--
11:28	200	5.51	7.03	0.351	15.0	2.99	19.24	59	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-9-W-20240626 Sample Time: 11:31 Sample Depth (ft-bmp) (e.g. pump intake): 6

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 5.51

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30079744	**Well ID**	MW-10	**Date**	6/26/2024		
Site Location	Goldendale, Washington	**Site ID**	375289	**Weather (°F)**	Clear	**Sampled by**	Aimee Rike
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	2 to 7	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	5.13	**Total Depth (ft-bmp)**	7.21	**Water Column (ft)**	2.08	**Gallons in Well**	0.34
Water Quality Meter Make/Model	Hanna HI 98129	**Purge Method**	Low-Flow	**Collection Type**		Grab	
Sample Time	12:05	**Well Volumes Purged**	2.33	**Sample ID**	MW-10-W-20240626	**Purge Equipment**	Peristaltic
Purge Start	11:47	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Peristaltic
Purge End	12:04	**Total Purge Time (h:m)**	0:17				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:50	200	5.15	6.89	0.403	3.0	3.53	20.82	81.2	--	--
11:53	200	5.16	6.89	0.403	2.0	3.45	20.40	80.4	--	--
11:56	200	5.19	6.89	0.402	2.0	3.22	20.24	79.3	--	--
11:59	200	5.2	6.88	0.403	2.0	3.26	20.12	77.5	--	--
12:02	200	5.23	6.88	0.402	2.0	3.19	20.08	76.1	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-10-W-20240626 Sample Time: 12:05 Sample Depth (ft-bmp) (e.g. pump intake): 6

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 5.25

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Company Name/Address:
Arcadis - Chevron - WA
1420 5th Ave
Unit 2400
Seattle. WA 98101

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to: Eric Epple

Email To: eric.epple@arcadis.com;environmentDM-

Project Description: 375289

City/State Collected: GOLDENDALE, WA

Please Circle: (PT) MT CT ET

Phone: 206-325-5254

Client Project # 30079744 19.45

Lab Project # CHEVARCWA-375289

Collected by (print): MAC HILLER

Site/Facility ID # 808 S COLUMBUS AVE

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEXM,EDC 8260 40mlAmb-HCl	NWTPHDX no SGT 40mlAmb-HCl-BT	NWTPHDX w/ SGT 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl	Total Lead 6010 250mlHDPE-HNO3	cPAHs/Naph 8270SIM 40mlAmb-NoPres-WT				Remarks	Sample # (lab only)
MW-1-W-20240626	G	GW	—	06/26/24	0821	12	X	X	X	X	X	X					
MW-2-W-20240626		GW	—		0932	12	X	X	X	X	X	X					
MW-3A-W-20240626		GW	—		1031	12	X	X	X	X	X	X					
MW-4A-W-20240626		GW	—		1103	12	X	X	X	X	X	X					
MW-5A-W-20240626		GW	—		1003	12	X	X	X	X	X	X					
MW-9-W-20240626		GW	—		1131	12	X	X	X	X	X	X					
MW-10-W-20240626		GW	—		1205	12	X	X	X	X	X	X					
BD-W-20240626		GW	—		1200	12	X	X	X	X	X	X					
TB-1-20240626		GW	—		0900	1	X			X							
		GW															

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG #

Table #

Acctnum: CHEVARCWA
Template: T243769
Prelogin: P1083188
PM: 110 - Brian Ford
PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK

Blaine Tech Services, Inc. 8985

Well Inspection Log

ARCADIS

Client:	Chevron
Site ID:	375289
Site Location:	Goldendale, Washington
Date(s):	6/26/2024
Inspector(s):	Aimee Rike

Well ID	Date	Easy to Locate?	Area Prone to Flooding?	Well Type	Well Housing/Pad in Good Condition?	Well Labels Present Outside Well?	Well Labels Present Inside Well?	Lock Present?	Lock Functioning?	Well Locked at Arrival?	Photos Taken?	Comments
MW-1	06/26/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-2	06/26/2024	yes	no	flushmount	no	yes	yes	yes	yes	yes	No	--
MW-3A	06/26/2024	yes	no	flushmount	yes	yes	yes	no	--	--	No	--
MW-4A	06/26/2024	yes	no	flushmount	yes	yes	yes	no	--	--	No	--
MW-5A	06/26/2024	yes	no	flushmount	yes	yes	yes	no	--	--	No	--
MW-6	06/26/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-7	06/26/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-8	06/26/2024	yes	no	flushmount	yes	yes	yes	yes	yes	yes	No	--
MW-9	06/26/2024	yes	no	flushmount	yes	yes	yes	no	--	--	No	--
MW-10	06/26/2024	yes	no	flushmount	yes	yes	yes	no	--	--	No	--

Well Inspection Log Photographs

Well ID	Date	Photo	Comments
MW-1	06/26/2024		None
MW-2	06/26/2024		None
MW-3A	06/26/2024		None
MW-4A	06/26/2024		None

MW-5A	06/26/2024		None
MW-6	06/26/2024		None
MW-7	06/26/2024		None
MW-8	06/26/2024		None

MW-9	06/26/2024		None
MW-10	06/26/2024		None

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 808 S COLUMBUS AVE, GOLDENDALE, WA				PROJECT NUMBER 240626-MH1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
HANNA	07460011101	06/26/24 @ 0639	PH 4 7 10	4.03 6.98 9.95	✓	19.5	MH
			COND 3900 ORP 237.5 DO 100	3883 238.4 96	✓	19.5	MH

CHEVRON-WASHINGTON/OREGON TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF WASHINGTON AND OREGON. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN KENT, WASHINGTON FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 22727 72ND Ave South, Suite D – 102, Kent, WA 98032. BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

375289 — CHEVRON #

ERIC EPPLE — Chevron Project Manager

808 — Street number

S COLUMBUS AVE — street name

GOLDENDALE — city

WA — state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	1		
MW-2	1		
MW-3A	1		
MW-4A	1		
MW-5A	1		
MW-9	1		
MW-10	1		

added equip. rinse water 1 0.2

any other adjustments

TOTAL GALS. RECOVERED 7.2

loaded onto BTS vehicle # 144

BTS event # 240626-MH1

time 1315

date 06/26/24

signature

Blaine Tech Services, Inc.

Permit To Work

for Chevron EMC Sites

Client: ARCADIS Date 06/26/24

Site Address: 808 S COLUMBUS AVE, GOLDENDALE, WA

Job Number: 240626-MH1 Technician(s): MH

Pre-Job Safety Review

1. JMP reviewed, site restrictions and parking/access issues addressed. Reviewed: ☒

2. Special Permit Required Task Review

Are there any conditions or tasks that would require:	Yes	No
Confined space entry	☐	☒
Working at height	☐	☒
Lock-out/Tag-out	☐	☒
Excavations greater than 4 feet deep	☐	☒
Excavations within 3 feet of a buried active electrical line or product piping or within 10 feet of a high pressure gas line.	☐	☒
Use of overhead equipment within 15 feet of an overhead electrical power line or pole supporting one	☐	☒
Hot work	☐	☒

If "Yes" was the answer to any of the Special Permit Required Tasks above, the Project Manager will contact the client and arrange to modify the Scope of Work so that the Special Permit Required Tasks are not required to be performed by Blaine Tech Services employees.

	Yes	No
3. Is a Traffic Control Permit required for today's work?	☐	☒
If so is it in the folder?	☐	☐
Is it current?	☐	☐
Do you understand the Traffic Control Plan and what equipment you will need?	☐	☐

On site Pre-Job Safety Review

1. Reviewed and signed the site specific HASP.	☒
2. Route to hospital understood.	☒
3. Reviewed "Groundwater Monitoring Well Sampling General Job Safety Analysis included in the HASP.	☒
4. Exceptional circumstances today that are not covered by the HASP, JSA or JMP have been addressed and mitigated.	☒
5. Understands procedure to follow, if site circumstances change, to address new site hazards.	☒
6. There are no unexpected conditions which would make your task a Special Permit Required Task. If there is, contact your Project Manager.	☒
7. All site hazards have been communicated to all necessary onsite personnel during tailgate safety meeting.	☒
8. After lunch tailgate safety meeting refresher conducted.	☒

If Checklist Task cannot be completed, explain:

Permit To Work Authority: MAC MILLER (Name) TECHNICIAN (Title) 06/26/24 (Date) 0640 (Time)

Attachment B

Laboratory Reports, Chain-of-Custody Documentation, and Chromatograms

ANALYTICAL REPORT

October 01, 2024

Revised Report

Arcadis U.S., Inc. - Chevron - WA

Sample Delivery Group:	L1751789
Samples Received:	06/28/2024
Project Number:	30079744 19.45
Description:	375289
Site:	808 S COLUMBUS AVE
Report To:	Eric Epple 1420 5th Ave Unit 2400 Seattle, WA 98101

Entire Report Reviewed By:

Brian Ford

Project Manager

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

MW-1-W-20240626 L1751789-01 GW

Collected by: Mac Hiller | Collected date/time: 06/26/24 08:21 | Received date/time: 06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2317881	1	07/07/24 10:18	07/07/24 16:09	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/07/24 23:09	07/07/24 23:09	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 14:01	07/04/24 14:01	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2316527	1	07/05/24 11:12	07/05/24 23:42	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2316529	1	07/05/24 11:13	07/05/24 23:42	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2316120	1	07/03/24 14:05	07/04/24 05:37	DSH	Mt. Juliet, TN

MW-2-W-20240626 L1751789-02 GW

Collected by | Collected date/time: 06/26/24 09:32 | Received date/time: 06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2317881	1	07/07/24 10:18	07/07/24 16:11	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/07/24 23:31	07/07/24 23:31	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 14:19	07/04/24 14:19	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2316527	1	07/05/24 11:12	07/06/24 00:02	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2316529	1	07/05/24 11:13	07/06/24 00:02	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2316120	1	07/03/24 14:05	07/04/24 05:55	DSH	Mt. Juliet, TN

MW-3A-W-20240626 L1751789-03 GW

Collected by | Collected date/time: 06/26/24 10:31 | Received date/time: 06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2317881	1	07/07/24 10:18	07/07/24 16:13	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/07/24 23:53	07/07/24 23:53	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 14:38	07/04/24 14:38	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2316527	1	07/05/24 11:12	07/06/24 00:22	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2316529	1	07/05/24 11:13	07/06/24 00:22	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2316120	1	07/03/24 14:05	07/04/24 06:12	DSH	Mt. Juliet, TN

MW-4A-W-20240626 L1751789-04 GW

Collected by | Collected date/time: 06/26/24 11:03 | Received date/time: 06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2317881	1	07/07/24 10:18	07/07/24 16:14	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/08/24 00:15	07/08/24 00:15	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 14:57	07/04/24 14:57	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2316527	1	07/05/24 11:12	07/06/24 00:42	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2316529	1	07/05/24 11:13	07/10/24 12:23	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2316120	1	07/03/24 14:05	07/04/24 06:29	DSH	Mt. Juliet, TN

MW-5A-W-20240626 L1751789-05 GW

Collected by | Collected date/time: 06/26/24 10:03 | Received date/time: 06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2317881	1	07/07/24 10:18	07/07/24 16:16	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/08/24 00:50	07/08/24 00:50	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 15:15	07/04/24 15:15	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2316527	1	07/05/24 11:12	07/06/24 01:03	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2321283	1	07/05/24 11:13	07/11/24 14:48	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2316120	1	07/03/24 14:05	07/04/24 06:46	DSH	Mt. Juliet, TN

SAMPLE SUMMARY

MW-9-W-20240626 L1751789-06 GW

Collected by	Collected date/time	Received date/time
	06/26/24 11:31	06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2318179	1	07/09/24 12:42	07/09/24 17:31	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/08/24 01:12	07/08/24 01:12	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 15:34	07/04/24 15:34	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2316527	1	07/05/24 11:12	07/06/24 01:23	MAA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2316529	1	07/05/24 11:13	07/06/24 01:23	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2316120	1	07/03/24 14:05	07/04/24 07:04	DSH	Mt. Juliet, TN

MW-10-W-20240626 L1751789-07 GW

Collected by	Collected date/time	Received date/time
	06/26/24 12:05	06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2318179	1	07/09/24 12:42	07/09/24 17:35	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/08/24 01:34	07/08/24 01:34	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 15:53	07/04/24 15:53	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2318432	1	07/08/24 16:52	07/10/24 01:59	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2318433	1	07/08/24 16:53	07/10/24 01:59	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2316120	1	07/03/24 14:05	07/04/24 07:21	DSH	Mt. Juliet, TN

BD-W-20240626 L1751789-08 GW

Collected by	Collected date/time	Received date/time
	06/26/24 12:00	06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2318179	1	07/09/24 12:42	07/09/24 17:38	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/08/24 01:56	07/08/24 01:56	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 16:12	07/04/24 16:12	GLN	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG2318432	1	07/08/24 16:52	07/10/24 02:19	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT	WG2318433	1	07/08/24 16:53	07/10/24 02:19	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2316120	1	07/03/24 14:05	07/04/24 07:38	DSH	Mt. Juliet, TN

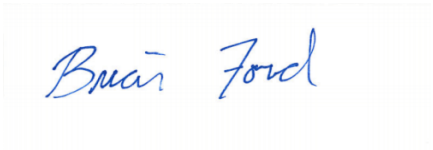
TB-1-20240626 L1751789-09 GW

Collected by	Collected date/time	Received date/time
	06/26/24 09:00	06/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method NWTPHGX	WG2318740	1	07/07/24 19:51	07/07/24 19:51	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2317552	1	07/04/24 12:45	07/04/24 12:45	GLN	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Brian Ford
Project Manager

Report Revision History

Level II Report - Version 1: 07/11/24 17:52

Project Narrative

revised: added EDB by 8260 per client request.

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

Lab Sample ID	Project Sample ID	Method
L1751789-09	TB-1-20240626	NWTPHGX

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	23.6		2.99	6.00	1	07/07/2024 16:09	WG2317881

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/07/2024 23:09	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*07/07/2024 23:09*	WG2318740

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.107	J	0.0941	1.00	1	07/04/2024 14:01	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 14:01	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 14:01	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 14:01	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 14:01	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 14:01	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 14:01	WG2317552
(S) Toluene-d8	*98.4*			*80.0-120*		*07/04/2024 14:01*	WG2317552
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*07/04/2024 14:01*	WG2317552
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*07/04/2024 14:01*	WG2317552

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	124	J	66.7	200	1	07/05/2024 23:42	WG2316527
Residual Range Organics (RRO)	U		83.3	250	1	07/05/2024 23:42	WG2316527
(S) o-Terphenyl	*58.4*			*52.0-156*		*07/05/2024 23:42*	WG2316527

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	117	J	66.7	200	1	07/05/2024 23:42	WG2316529
Residual Range Organics (RRO)	U		83.3	250	1	07/05/2024 23:42	WG2316529
(S) o-Terphenyl	*58.4*			*52.0-156*		*07/05/2024 23:42*	WG2316529

Sample Narrative:

L1751789-01 WG2316529: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	07/04/2024 05:37	WG2316120
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	07/04/2024 05:37	WG2316120
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	07/04/2024 05:37	WG2316120
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	07/04/2024 05:37	WG2316120
Chrysene	U	J3	0.0179	0.0500	1	07/04/2024 05:37	WG2316120
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	07/04/2024 05:37	WG2316120
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	07/04/2024 05:37	WG2316120
Naphthalene	U		0.0917	0.250	1	07/04/2024 05:37	WG2316120
1-Methylnaphthalene	U		0.0687	0.250	1	07/04/2024 05:37	WG2316120
2-Methylnaphthalene	U		0.0674	0.250	1	07/04/2024 05:37	WG2316120

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) Nitrobenzene-d5	*121*			*31.0-160*		*07/04/2024 05:37*	WG2316120
(S) 2-Fluorobiphenyl	*118*			*48.0-148*		*07/04/2024 05:37*	WG2316120
(S) p-Terphenyl-d14	*113*			*37.0-146*		*07/04/2024 05:37*	WG2316120

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/07/2024 16:11	WG2317881

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/07/2024 23:31	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*07/07/2024 23:31*	WG2318740

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	07/04/2024 14:19	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 14:19	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 14:19	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 14:19	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 14:19	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 14:19	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 14:19	WG2317552
(S) Toluene-d8	*99.0*			*80.0-120*		*07/04/2024 14:19*	WG2317552
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*07/04/2024 14:19*	WG2317552
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*07/04/2024 14:19*	WG2317552

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	114	J	66.7	200	1	07/06/2024 00:02	WG2316527
Residual Range Organics (RRO)	158	J	83.3	250	1	07/06/2024 00:02	WG2316527
(S) o-Terphenyl	*63.7*			*52.0-156*		*07/06/2024 00:02*	WG2316527

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	107	J	66.7	200	1	07/06/2024 00:02	WG2316529
Residual Range Organics (RRO)	158	J	83.3	250	1	07/06/2024 00:02	WG2316529
(S) o-Terphenyl	*63.7*			*52.0-156*		*07/06/2024 00:02*	WG2316529

Sample Narrative:

L1751789-02 WG2316529: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	07/04/2024 05:55	WG2316120
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	07/04/2024 05:55	WG2316120
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	07/04/2024 05:55	WG2316120
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	07/04/2024 05:55	WG2316120
Chrysene	U	J3	0.0179	0.0500	1	07/04/2024 05:55	WG2316120
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	07/04/2024 05:55	WG2316120
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	07/04/2024 05:55	WG2316120
Naphthalene	U		0.0917	0.250	1	07/04/2024 05:55	WG2316120
1-Methylnaphthalene	U		0.0687	0.250	1	07/04/2024 05:55	WG2316120
2-Methylnaphthalene	U		0.0674	0.250	1	07/04/2024 05:55	WG2316120

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) Nitrobenzene-d5	*124*			*31.0-160*		*07/04/2024 05:55*	WG2316120
(S) 2-Fluorobiphenyl	*119*			*48.0-148*		*07/04/2024 05:55*	WG2316120
(S) p-Terphenyl-d14	*119*			*37.0-146*		*07/04/2024 05:55*	WG2316120

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/07/2024 16:13	WG2317881

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/07/2024 23:53	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*07/07/2024 23:53*	WG2318740

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	07/04/2024 14:38	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 14:38	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 14:38	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 14:38	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 14:38	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 14:38	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 14:38	WG2317552
(S) Toluene-d8	*98.8*			*80.0-120*		*07/04/2024 14:38*	WG2317552
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*07/04/2024 14:38*	WG2317552
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*07/04/2024 14:38*	WG2317552

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	07/06/2024 00:22	WG2316527
Residual Range Organics (RRO)	U		83.3	250	1	07/06/2024 00:22	WG2316527
(S) o-Terphenyl	*62.1*			*52.0-156*		*07/06/2024 00:22*	WG2316527

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	07/06/2024 00:22	WG2316529
Residual Range Organics (RRO)	U		83.3	250	1	07/06/2024 00:22	WG2316529
(S) o-Terphenyl	*62.1*			*52.0-156*		*07/06/2024 00:22*	WG2316529

Sample Narrative:

L1751789-03 WG2316529: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	07/04/2024 06:12	WG2316120
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	07/04/2024 06:12	WG2316120
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	07/04/2024 06:12	WG2316120
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	07/04/2024 06:12	WG2316120
Chrysene	U	J3	0.0179	0.0500	1	07/04/2024 06:12	WG2316120
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	07/04/2024 06:12	WG2316120
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	07/04/2024 06:12	WG2316120
Naphthalene	U		0.0917	0.250	1	07/04/2024 06:12	WG2316120
1-Methylnaphthalene	U		0.0687	0.250	1	07/04/2024 06:12	WG2316120
2-Methylnaphthalene	U		0.0674	0.250	1	07/04/2024 06:12	WG2316120

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) Nitrobenzene-d5	*124*			*31.0-160*		*07/04/2024 06:12*	WG2316120
(S) 2-Fluorobiphenyl	*122*			*48.0-148*		*07/04/2024 06:12*	WG2316120
(S) p-Terphenyl-d14	*124*			*37.0-146*		*07/04/2024 06:12*	WG2316120

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/07/2024 16:14	WG2317881

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/08/2024 00:15	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*07/08/2024 00:15*	WG2318740

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	07/04/2024 14:57	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 14:57	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 14:57	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 14:57	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 14:57	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 14:57	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 14:57	WG2317552
(S) Toluene-d8	*101*			*80.0-120*		*07/04/2024 14:57*	WG2317552
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*07/04/2024 14:57*	WG2317552
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*07/04/2024 14:57*	WG2317552

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	214		66.7	200	1	07/06/2024 00:42	WG2316527
Residual Range Organics (RRO)	90.6	J	83.3	250	1	07/06/2024 00:42	WG2316527
(S) o-Terphenyl	*65.8*			*52.0-156*		*07/06/2024 00:42*	WG2316527

Sample Narrative:

L1751789-04 WG2316527: Sample resembles laboratory standard for Hydraulic Fluid.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	07/10/2024 12:23	WG2316529
Residual Range Organics (RRO)	U		83.3	250	1	07/10/2024 12:23	WG2316529
(S) o-Terphenyl	*52.6*			*52.0-156*		*07/10/2024 12:23*	WG2316529

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	07/04/2024 06:29	WG2316120
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	07/04/2024 06:29	WG2316120
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	07/04/2024 06:29	WG2316120
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	07/04/2024 06:29	WG2316120
Chrysene	U	J3	0.0179	0.0500	1	07/04/2024 06:29	WG2316120
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	07/04/2024 06:29	WG2316120
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	07/04/2024 06:29	WG2316120
Naphthalene	U		0.0917	0.250	1	07/04/2024 06:29	WG2316120
1-Methylnaphthalene	U		0.0687	0.250	1	07/04/2024 06:29	WG2316120
2-Methylnaphthalene	U		0.0674	0.250	1	07/04/2024 06:29	WG2316120

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) Nitrobenzene-d5	*118*			*31.0-160*		*07/04/2024 06:29*	WG2316120
(S) 2-Fluorobiphenyl	*115*			*48.0-148*		*07/04/2024 06:29*	WG2316120
(S) p-Terphenyl-d14	*117*			*37.0-146*		*07/04/2024 06:29*	WG2316120

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/07/2024 16:16	WG2317881

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	32.2	J	31.6	100	1	07/08/2024 00:50	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*07/08/2024 00:50*	WG2318740

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	07/04/2024 15:15	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 15:15	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 15:15	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 15:15	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 15:15	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 15:15	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 15:15	WG2317552
(S) Toluene-d8	*97.8*			*80.0-120*		*07/04/2024 15:15*	WG2317552
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*		*07/04/2024 15:15*	WG2317552
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*07/04/2024 15:15*	WG2317552

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	480		66.7	200	1	07/06/2024 01:03	WG2316527
Residual Range Organics (RRO)	188	J	83.3	250	1	07/06/2024 01:03	WG2316527
(S) o-Terphenyl	*55.3*			*52.0-156*		*07/06/2024 01:03*	WG2316527

Sample Narrative:

L1751789-05 WG2316527: Sample resembles laboratory standard for Hydraulic Fluid.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	07/11/2024 14:48	WG2321283
Residual Range Organics (RRO)	U		83.3	250	1	07/11/2024 14:48	WG2321283
(S) o-Terphenyl	*66.3*			*52.0-156*		*07/11/2024 14:48*	WG2321283

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	07/04/2024 06:46	WG2316120
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	07/04/2024 06:46	WG2316120
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	07/04/2024 06:46	WG2316120
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	07/04/2024 06:46	WG2316120
Chrysene	U	J3	0.0179	0.0500	1	07/04/2024 06:46	WG2316120
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	07/04/2024 06:46	WG2316120
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	07/04/2024 06:46	WG2316120
Naphthalene	U		0.0917	0.250	1	07/04/2024 06:46	WG2316120
1-Methylnaphthalene	U		0.0687	0.250	1	07/04/2024 06:46	WG2316120
2-Methylnaphthalene	U		0.0674	0.250	1	07/04/2024 06:46	WG2316120

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) Nitrobenzene-d5	*128*			*31.0-160*		*07/04/2024 06:46*	WG2316120
(S) 2-Fluorobiphenyl	*122*			*48.0-148*		*07/04/2024 06:46*	WG2316120
(S) p-Terphenyl-d14	*123*			*37.0-146*		*07/04/2024 06:46*	WG2316120

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/09/2024 17:31	WG2318179

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/08/2024 01:12	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*07/08/2024 01:12*	WG2318740

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	07/04/2024 15:34	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 15:34	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 15:34	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 15:34	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 15:34	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 15:34	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 15:34	WG2317552
(S) Toluene-d8	*98.3*			*80.0-120*		*07/04/2024 15:34*	WG2317552
(S) 4-Bromofluorobenzene	*91.9*			*77.0-126*		*07/04/2024 15:34*	WG2317552
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*07/04/2024 15:34*	WG2317552

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	07/06/2024 01:23	WG2316527
Residual Range Organics (RRO)	U		83.3	250	1	07/06/2024 01:23	WG2316527
(S) o-Terphenyl	*68.4*			*52.0-156*		*07/06/2024 01:23*	WG2316527

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	07/06/2024 01:23	WG2316529
Residual Range Organics (RRO)	U		83.3	250	1	07/06/2024 01:23	WG2316529
(S) o-Terphenyl	*68.4*			*52.0-156*		*07/06/2024 01:23*	WG2316529

Sample Narrative:

L1751789-06 WG2316529: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	07/04/2024 07:04	WG2316120
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	07/04/2024 07:04	WG2316120
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	07/04/2024 07:04	WG2316120
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	07/04/2024 07:04	WG2316120
Chrysene	U	J3	0.0179	0.0500	1	07/04/2024 07:04	WG2316120
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	07/04/2024 07:04	WG2316120
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	07/04/2024 07:04	WG2316120
Naphthalene	U		0.0917	0.250	1	07/04/2024 07:04	WG2316120
1-Methylnaphthalene	U		0.0687	0.250	1	07/04/2024 07:04	WG2316120
2-Methylnaphthalene	U		0.0674	0.250	1	07/04/2024 07:04	WG2316120

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) Nitrobenzene-d5	*117*			*31.0-160*		*07/04/2024 07:04*	WG2316120
(S) 2-Fluorobiphenyl	*118*			*48.0-148*		*07/04/2024 07:04*	WG2316120
(S) p-Terphenyl-d14	*122*			*37.0-146*		*07/04/2024 07:04*	WG2316120

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/09/2024 17:35	WG2318179

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/08/2024 01:34	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*07/08/2024 01:34*	WG2318740

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	07/04/2024 15:53	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 15:53	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 15:53	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 15:53	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 15:53	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 15:53	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 15:53	WG2317552
(S) Toluene-d8	*96.8*			*80.0-120*		*07/04/2024 15:53*	WG2317552
(S) 4-Bromofluorobenzene	*91.1*			*77.0-126*		*07/04/2024 15:53*	WG2317552
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*07/04/2024 15:53*	WG2317552

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	07/10/2024 01:59	WG2318432
Residual Range Organics (RRO)	U		83.3	250	1	07/10/2024 01:59	WG2318432
(S) o-Terphenyl	*51.0*	J2		*52.0-156*		*07/10/2024 01:59*	WG2318432

Sample Narrative:

L1751789-07 WG2318432: Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	U		66.7	200	1	07/10/2024 01:59	WG2318433
Residual Range Organics (RRO)	U		83.3	250	1	07/10/2024 01:59	WG2318433
(S) o-Terphenyl	*51.0*	J2		*52.0-156*		*07/10/2024 01:59*	WG2318433

Sample Narrative:

L1751789-07 WG2318433: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	07/04/2024 07:21	WG2316120
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	07/04/2024 07:21	WG2316120
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	07/04/2024 07:21	WG2316120
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	07/04/2024 07:21	WG2316120
Chrysene	U	J3	0.0179	0.0500	1	07/04/2024 07:21	WG2316120
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	07/04/2024 07:21	WG2316120
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	07/04/2024 07:21	WG2316120

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.0917	0.250	1	07/04/2024 07:21	WG2316120
1-Methylnaphthalene	U		0.0687	0.250	1	07/04/2024 07:21	WG2316120
2-Methylnaphthalene	U		0.0674	0.250	1	07/04/2024 07:21	WG2316120
(S) Nitrobenzene-d5	*121*			*31.0-160*		*07/04/2024 07:21*	WG2316120
(S) 2-Fluorobiphenyl	*116*			*48.0-148*		*07/04/2024 07:21*	WG2316120
(S) p-Terphenyl-d14	*114*			*37.0-146*		*07/04/2024 07:21*	WG2316120

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	24.3		2.99	6.00	1	07/09/2024 17:38	WG2318179

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/08/2024 01:56	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*		*07/08/2024 01:56*	WG2318740

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	07/04/2024 16:12	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 16:12	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 16:12	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 16:12	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 16:12	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 16:12	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 16:12	WG2317552
(S) Toluene-d8	*97.7*			*80.0-120*		*07/04/2024 16:12*	WG2317552
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*		*07/04/2024 16:12*	WG2317552
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*07/04/2024 16:12*	WG2317552

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	105	J	66.7	200	1	07/10/2024 02:19	WG2318432
Residual Range Organics (RRO)	U		83.3	250	1	07/10/2024 02:19	WG2318432
(S) o-Terphenyl	*61.0*			*52.0-156*		*07/10/2024 02:19*	WG2318432

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Diesel Range Organics (DRO)	105	J	66.7	200	1	07/10/2024 02:19	WG2318433
Residual Range Organics (RRO)	U		83.3	250	1	07/10/2024 02:19	WG2318433
(S) o-Terphenyl	*61.0*			*52.0-156*		*07/10/2024 02:19*	WG2318433

Sample Narrative:

L1751789-08 WG2318433: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	07/04/2024 07:38	WG2316120
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	07/04/2024 07:38	WG2316120
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	07/04/2024 07:38	WG2316120
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	07/04/2024 07:38	WG2316120
Chrysene	U	J3	0.0179	0.0500	1	07/04/2024 07:38	WG2316120
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	07/04/2024 07:38	WG2316120
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	07/04/2024 07:38	WG2316120
Naphthalene	U		0.0917	0.250	1	07/04/2024 07:38	WG2316120
1-Methylnaphthalene	U		0.0687	0.250	1	07/04/2024 07:38	WG2316120
2-Methylnaphthalene	U		0.0674	0.250	1	07/04/2024 07:38	WG2316120

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) Nitrobenzene-d5	*123*			*31.0-160*		*07/04/2024 07:38*	WG2316120
(S) 2-Fluorobiphenyl	*122*			*48.0-148*		*07/04/2024 07:38*	WG2316120
(S) p-Terphenyl-d14	*121*			*37.0-146*		*07/04/2024 07:38*	WG2316120

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	07/07/2024 19:51	WG2318740
(S) a,a,a-Trifluorotoluene(FID)	*102*			*78.0-120*		*07/07/2024 19:51*	WG2318740

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	07/04/2024 12:45	WG2317552
Toluene	U		0.278	1.00	1	07/04/2024 12:45	WG2317552
Ethylbenzene	U		0.137	1.00	1	07/04/2024 12:45	WG2317552
Total Xylenes	U		0.174	3.00	1	07/04/2024 12:45	WG2317552
Methyl tert-butyl ether	U	J4	0.101	1.00	1	07/04/2024 12:45	WG2317552
1,2-Dichloroethane	U		0.0819	1.00	1	07/04/2024 12:45	WG2317552
1,2-Dibromoethane	U		0.126	1.00	1	07/04/2024 12:45	WG2317552
(S) Toluene-d8	*99.7*			*80.0-120*		*07/04/2024 12:45*	WG2317552
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*07/04/2024 12:45*	WG2317552
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*07/04/2024 12:45*	WG2317552

Method Blank (MB)

(MB) R4090872-1 07/07/24 15:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		2.99	6.00

Laboratory Control Sample (LCS)

(LCS) R4090872-2 07/07/24 15:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	979	97.9	80.0-120	

L1751218-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1751218-15 07/07/24 15:33 • (MS) R4090872-4 07/07/24 15:36 • (MSD) R4090872-5 07/07/24 15:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	1000	U	975	968	97.5	96.8	1	75.0-125			0.766	20

Method Blank (MB)

(MB) R4091768-1 07/09/24 17:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		2.99	6.00

Laboratory Control Sample (LCS)

(LCS) R4091768-2 07/09/24 17:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	956	95.6	80.0-120	

L1752143-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1752143-01 07/09/24 17:18 • (MS) R4091768-4 07/09/24 17:25 • (MSD) R4091768-5 07/09/24 17:28

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	1000	6.51	956	944	94.9	93.7	1	75.0-125			1.21	20

Method Blank (MB)

(MB) R4091492-2 07/07/24 19:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R4091492-1 07/07/24 18:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5000	5500	110	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*78.0-120*	

Method Blank (MB)

(MB) R4091570-3 07/04/24 10:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
Methyl tert-butyl ether	U		0.101	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,2-Dibromoethane	U		0.126	1.00
(S) Toluene-d8	*97.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4091570-1 07/04/24 09:56 • (LCSD) R4091570-2 07/04/24 10:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.57	5.72	111	114	70.0-123			2.66	20
Toluene	5.00	4.91	4.89	98.2	97.8	79.0-120			0.408	20
Ethylbenzene	5.00	4.47	4.66	89.4	93.2	79.0-123			4.16	20
Total Xylenes	15.0	14.1	13.8	94.0	92.0	79.0-123			2.15	20
Methyl tert-butyl ether	5.00	6.40	6.53	128	131	68.0-125	J4	J4	2.01	20
1,2-Dichloroethane	5.00	5.66	5.92	113	118	70.0-128			4.49	20
1,2-Dibromoethane	5.00	5.19	5.11	104	102	80.0-122			1.55	20
(S) Toluene-d8				*98.6*	*96.1*	*80.0-120*				
(S) 4-Bromofluorobenzene				*111*	*95.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*112*	*113*	*70.0-130*				

Method Blank (MB)

(MB) R4090752-1 07/05/24 16:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*59.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4090752-2 07/05/24 17:16 • (LCSD) R4090752-3 07/05/24 17:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1240	1350	82.7	90.0	50.0-150			8.49	20
(S) o-Terphenyl				*62.5*	*65.0*	*52.0-156*				

Method Blank (MB)

(MB) R4091969-1 07/09/24 23:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*65.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4091969-2 07/10/24 00:17 • (LCSD) R4091969-3 07/10/24 00:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1290	1280	86.0	85.3	50.0-150			0.778	20
(S) o-Terphenyl				*63.5*	*67.0*	*52.0-156*				

Method Blank (MB)

(MB) R4090753-1 07/05/24 17:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*58.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4090753-2 07/05/24 18:17 • (LCSD) R4090753-3 07/05/24 18:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1220	1400	81.3	93.3	50.0-150			13.7	20
(S) o-Terphenyl				*63.5*	*67.0*	*52.0-156*				

Method Blank (MB)

(MB) R4091970-1 07/10/24 00:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*56.0*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4091970-2 07/10/24 01:18 • (LCSD) R4091970-3 07/10/24 01:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	906	984	60.4	65.6	50.0-150			8.25	20
(S) o-Terphenyl				*50.5*	*50.5*	*52.0-156*	J2	J2		

Method Blank (MB)

(MB) R4092730-1 07/11/24 13:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*73.5*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4092730-2 07/11/24 14:08 • (LCSD) R4092730-3 07/11/24 14:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1430	1590	95.3	106	50.0-150			10.6	20
(S) o-Terphenyl				*57.5*	*74.0*	*52.0-156*				

Method Blank (MB)

(MB) R4090070-3 07/03/24 23:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
(S) Nitrobenzene-d5	*108*			*31.0-160*
(S) 2-Fluorobiphenyl	*105*			*48.0-148*
(S) p-Terphenyl-d14	*61.5*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4090070-1 07/03/24 22:59 • (LCSD) R4090070-2 07/03/24 23:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	1.60	2.37	80.0	118	61.0-140		J3	38.8	20
Benzo(a)pyrene	2.00	1.37	2.36	68.5	118	60.0-143		J3	53.1	20
Benzo(b)fluoranthene	2.00	1.55	2.45	77.5	122	58.0-141		J3	45.0	20
Benzo(k)fluoranthene	2.00	1.33	2.34	66.5	117	58.0-148		J3	55.0	20
Chrysene	2.00	1.53	2.44	76.5	122	64.0-144		J3	45.8	20
Dibenz(a,h)anthracene	2.00	1.34	2.38	67.0	119	52.0-155		J3	55.9	20
Indeno(1,2,3-cd)pyrene	2.00	1.25	2.27	62.5	114	54.0-153		J3	58.0	20
Naphthalene	2.00	2.44	2.55	122	128	61.0-137			4.41	20
1-Methylnaphthalene	2.00	2.57	2.76	129	138	66.0-142			7.13	20
2-Methylnaphthalene	2.00	2.45	2.66	122	133	62.0-136			8.22	20
(S) Nitrobenzene-d5				*121*	*122*	*31.0-160*				
(S) 2-Fluorobiphenyl				*114*	*126*	*48.0-148*				
(S) p-Terphenyl-d14				*77.0*	*121*	*37.0-146*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Arcadis - Chevron - WA

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Seattle. WA 98101

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630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Eric Epple**

Email To: **eric.epple@arcadis.com;environmentDM-**

Project Description: **375289**

City/State Collected: **GOLDENDALE, WA**

Please Circle: (PT) MT CT ET

Phone: **206-325-5254**

Client Project # **30079744 19.45**

Lab Project # **CHEVARCWA-375289**

Collected by (print): **MAC MILLER**

Site/Facility ID # **808 S COLUMBUS AVE**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1751789

B007

Acctnum: **CHEVARCWA**
Template: **T243769**
Prelogin: **P1083188**
PM: **110 - Brian Ford**
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEXM,EDC 8260 40mlAmb-HCl	NWTPHDX no SGT 40mlAmb-HCl-BT	NWTPHDX w/ SGT 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl	Total Lead 6010 250mlHDPE-HNO3	cPAHs/Naph 8270SIM 40mlAmb-NoPres-WT				Remarks	Sample # (lab only)
MW-1-W-20240626	G	GW	—	06/26/24	0821	12	X	X	X	X	X	X					-01
MW-2-W-20240626		GW	—		0932	12	X	X	X	X	X	X					-02
MW-3A-W-20240626		GW	—		1031	12	X	X	X	X	X	X					-03
MW-4A-W-20240626		GW	—		1103	12	X	X	X	X	X	X					-04
MW-5A-W-20240626		GW	—		1003	12	X	X	X	X	X	X					-05
MW-9-W-20240626		GW	—		1131	12	X	X	X	X	X	X					-06
MW-10-W-20240626		GW	—		1205	12	X	X	X	X	X	X					-07
BD-W-20240626		GW	—		1200	12	X	X	X	X	X	X					-08
TB-1-20240626		GW	—		0900	1	X			X							-09
		GW															

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS X FedEx __ Courier _____

Tracking # 7315 3193 9407

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:			
Relinquished by : (Signature)	06/27/24	16/6	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.1+0.3,5.4 °C EDA7	Bottles Received: 96
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) CROPER	Date: 06/28/24	Time: 0900

PH-10BDH5021
TRC-3223A228
Date/Time

Hold:

Condition: NCF / OK