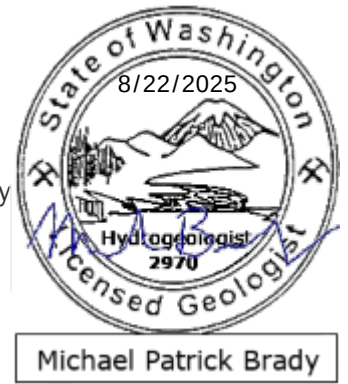


DATE: August 22, 2025
TO: Luke Lemond, LHG, Washington State Department of Ecology
FROM: Mike Brady, LHG
SUBJECT: 2Q 2025 MTCA Sampling - AO # DE21624
CC: Ian Sutton, PE, DTG Recycling
Steven Newchurch, REHS, Yakima Health District
PROJECT NUMBER: 553-8472-010
PROJECT NAME: Rocky Top Environmental (Anderson) Limited Purpose Landfill



Introduction

This technical memorandum summarizes the second quarter 2025 results of Model Toxics Control Act (MTCA)-related groundwater sampling for the Agreed Order (AO) # DE21624 at the Rocky Top Environmental (formerly Anderson) Limited Purpose Landfill (LPL) located at 41 Rocky Top Road in Yakima, Washington (Facility) on behalf of DTG Recycling (DTG).

The Washington State Department of Ecology (Ecology) and Yakima Health District (YHD) have requested DTG sample Shallow Aquifer (SA) monitoring wells for chemicals of potential concern (COPCs) as part of the MTCA investigation. COPCs for the MTCA investigation include nitrate, total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), per- and polyfluoroalkyl substances (PFAS), semi-volatile organic compounds (SVOCs) and carcinogenic polycyclic aromatic hydrocarbons (cPAHs), dioxins and furans, and Environmental Protection Agency (EPA) priority pollutant metals. Washington Administrative Code (WAC) 173-350-500 monitoring for the LPL is being reported separately.

Figure 1 displays the overall location of the Facility and surrounding Group B and domestic drinking water wells. Figure 2 displays the details of the Facility.

Two new wells were drilled and constructed at the Facility (MW-1S and MW-11S) by July 2025. These will be added to the MTCA monitoring program starting in the third quarter 2025 event. Figure 2 displays the approximate location of the two new wells.

Second Quarter 2025 Sampling and Analysis

The second quarter 2025 MTCA groundwater monitoring was conducted in accordance with the Sampling and Analysis Plan (SAP) (Parametrix 2025a). Sampling of monitoring wells MW-2S, MW-3S, MW-4S, MW-5S, and MW-6S was completed on June 17 through 19. Field data sheets are included as Attachment A. A field duplicate sample (MW-13S) was collected at well MW-3S. Routine detection/assessment monitoring was completed concurrently and the results provided in a separate report (Parametrix 2025b).

The second quarter of 2025 sampling included analysis for nitrate, TPH, VOCs, PFAS, and SVOCs and cPAHs. Dioxins and furans were discontinued from the MTCA monitoring program following the first quarter 2025 event, because there were no detected concentrations exceeding MTCA criteria in any of the wells for two consecutive events. Priority pollutant metals were initially evaluated in the first



quarter of 2025 and will be tested again in well MW-3S in the third quarter Of 2025 in accordance with the RI Work Plan (Parametrix 2025c).

The samples were submitted to OnSite Environmental (OnSite) while some analyses were also subcontracted from OnSite to ALS Environmental and Anatek. The laboratory reports are included as Attachment B. Data validation technical memoranda were completed by Chris Bourgeois and Michael Brady, whom were not involved in the sampling effort. The data validation memoranda are included as Attachment C.

The findings are summarized in the attached Tables 1 through 4 that include the cumulative data collected since the MTCA Remedial Investigation (RI) began in the third quarter of 2024. Attachment D includes the hazard index calculations for PFAS (bottom of Table 2).

Figure 3 displays the historical water levels across the LPL for the entire period of monitoring. Groundwater levels follow the seasonal pattern of precipitation. Figure 4 displays the gradient within the SA using data for monitoring wells measured during the 2025 second quarter event.

Exceedances of Water Quality Criteria

Applicable or Relevant and Appropriate Requirements (ARARs) have been established in the RI Work plan (Parametrix 2025c) as meeting the Maximum Contaminant Level (MCL) or MTCA Cleanup Levels (CULs). The following exceedances of the MCL or MTCA CULs were identified in the second quarter 2025 sampling event:

MW-3S

- Nitrate was found above the MCL at 12.0 milligrams per liter (mg/L)
- Perfluorooctanoic acid (PFOA) was found above the MCL and MTCA CUL at 34 nanograms per liter (ng/L).
- Perfluorooctane sulfonic acid (PFOS) was found at a concentration equal to the MCL and above the MTCA CUL at 4.0 ng/L; however, the duplicate (MW-13S) was below the MCL at 3.3 ng/L.
- The Hazardous Index and running annual Hazardous Index for PFAS mixtures were below the MCL of 1 (see Attachment D)

MW-4S

- Nitrate was found above the MCL at 78.2 mg/L.
- Conductivity was found above the secondary MCL of 700 mg/L at 1,207 micromhos per centimeter (µmhos/cm); however, conductivity is not a formal COPC for the MTCA Limited RI
- PFOA was found above the MCL and MTCA CUL at 6.8 ng/L.

MW-6S

- Nitrate was found above the MCL at 11.8 mg/L.

All three of these wells were also observed to have apparent increases in several leachate indicator parameters during the second quarter 2025 event (Parametrix 2025b).

Conclusions

PFOA continued to be detected in well MW-3S at a concentration above the MCL and MTCA CUL. PFOS was also found in MW-3S at a concentration equal to MCL and above the MTCA CUL. Nitrate concentrations were found above the MCL in wells MW-3S, MW-4S, and MW-6S. Additional monitoring wells (MW-1S and MW-11S) have been recently constructed downgradient and cross-gradient of MW-3S and will be sampled in the third quarter. TPH, VOCs, and SVOCs/cPAHs continued to be non-detect or below applicable cleanup criteria.

The following changes will be implemented for future monitoring events in accordance with the RI Work Plan (Parametrix 2025c):

- MW-1S and MW-11S will be added to the monitoring program and sampled for COPCs including nitrate, TPH, VOCs, PFAS, and EPA priority pollutant metals.
- MW-3S will be sampled for EPA priority pollutant metals during the third quarter event.
- SVOCs/cPAHs have not been confirmed and additional sampling is not necessary in accordance with the RI work plan (Parametrix 2025c).
- TPH and VOCs continued to be non-detect during the second quarter 2025 event. These parameters are currently also included in the WAC 173-350-500 monitoring program, and discontinuing these parameters will be recommended at the end of 2025.

Additional Notes

Well MW-11S was completed in June 2025 to a depth of 241 feet below ground. The Vantage Interbed was encountered at 234 feet below ground, and the well was screened from 219 to 239 feet below ground within the SA similar to the other MTCA investigation wells. Well MW-1S was completed in July 2025 to a depth of 142 feet below ground. The Vantage Interbed was encountered at 132 feet below ground, and the well was screened from 113 to 133 feet below ground similar to the other SA wells. These wells are expected to provide additional data to fill data gaps related to characterization of the groundwater plume at the Facility for the Limited RI.

Figures

- 1 Facility Vicinity Map
- 2 Well Location Map
- 3 Water Level Summary
- 4 Second Quarter 2025 Shallow Aquifer Potentiometric Surface

Tables

- 1 Field Parameters, Nitrate, Petroleum Hydrocarbons, and Volatile Organic Compounds Results
- 2 Per- and Poly-fluoroalkyl Substances (PFAS) Results
- 3 Dioxin and Furan Results
- 4 Semi-volatile Organic Compounds (SVOC) Results
- 5 Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) Results
- 6 EPA Priority Pollutant Metals Results

Attachments

- A Second Quarter 2025 Field Data Sheets
- B Laboratory Analytical Reports
- C Data Validation Technical Memoranda
- D Hazard Index Calculations

References

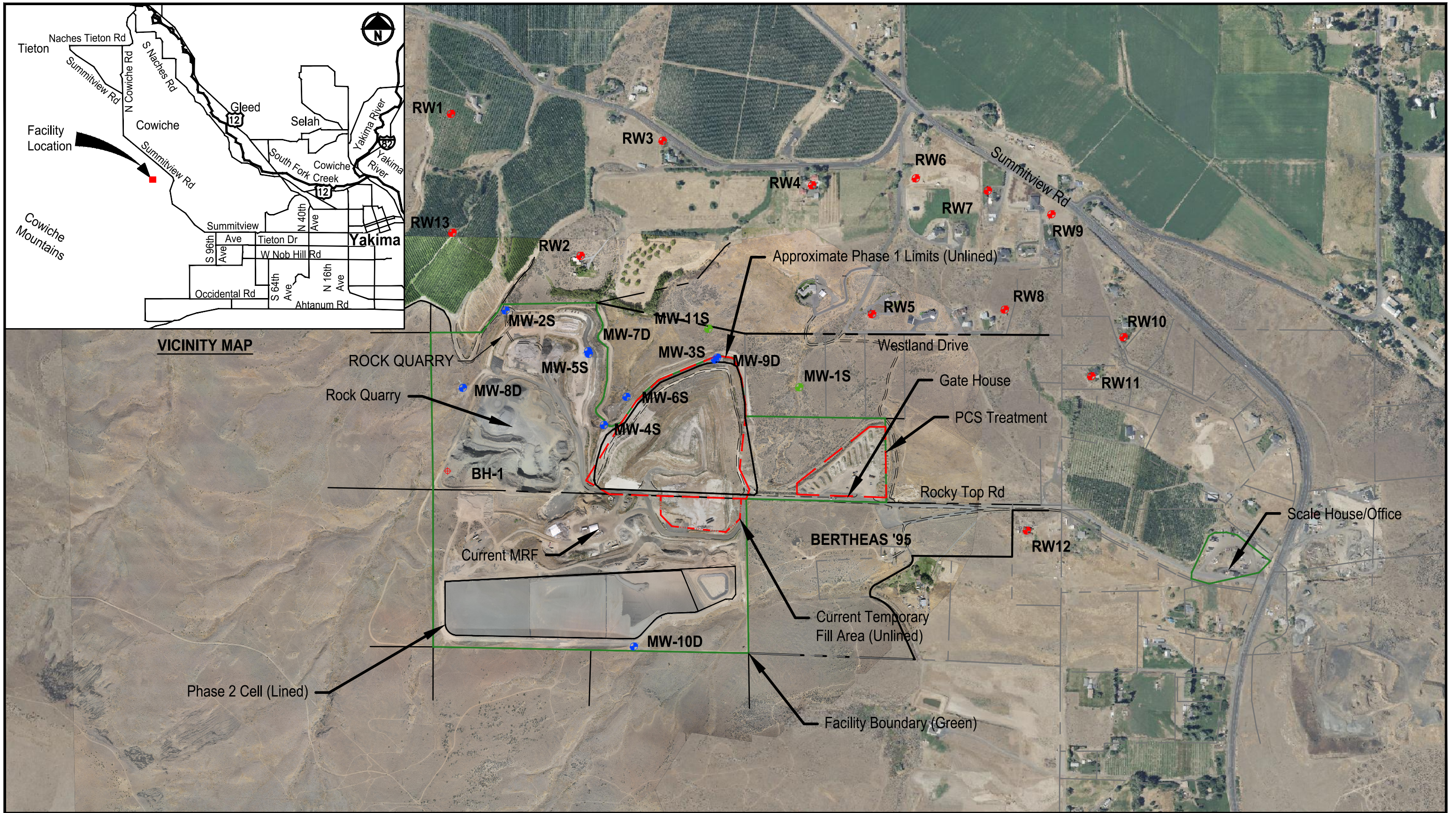
Ecology. 2025. Cleanup Levels and Risk Calculations. Revised January 2025.

Parametrix. 2025a. Groundwater Sampling and Analysis Plan – MTCA Sampling for the DTG Rocky Top Environmental Limited Purpose Landfill, Yakima, Washington. January 2025.

Parametrix. 2025b. Rocky Top Environmental Limited Purpose Landfill 2025 Second Quarter Groundwater Monitoring Report. Prepared for DTG Recycling. August 2025.

Parametrix. 2025c. Limited Remedial Investigation Work Plan Rocky Top Environmental Limited Purpose Landfill. Prepared for DTG Recycling by Parametrix, Seattle, Washington. April 2025.

Figures

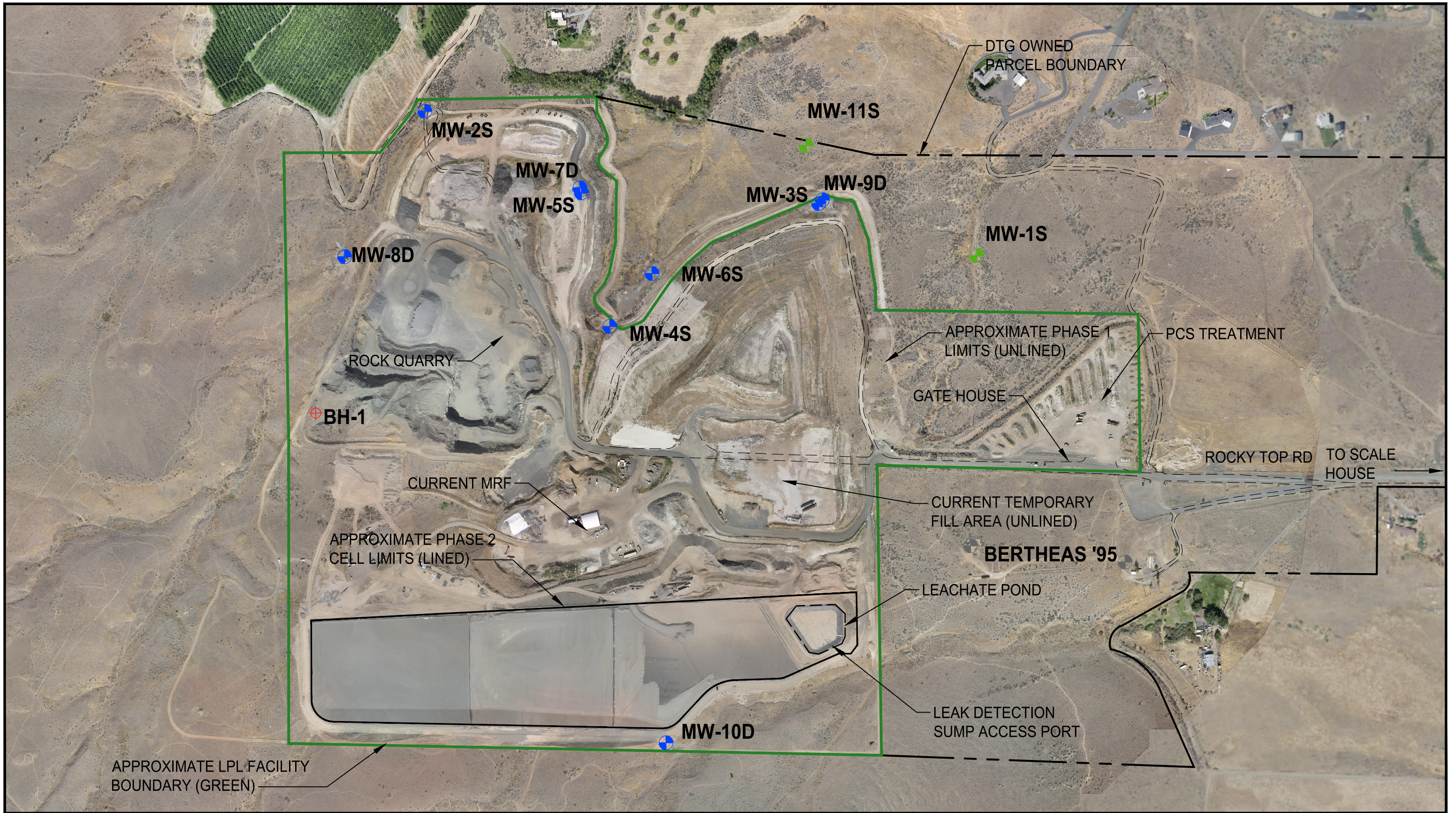


Parametrix DATE: March 7, 2025 FILE: PS8472008-FIGURE 1 - VICINITY MAP

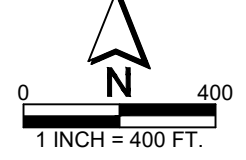


- Monitoring Well
- Proposed Monitoring Well
- ⊕ Borehole
- Domestic Well
- Decommissioned Well

Figure 1
Facility Vicinity Map
Rocky Top Environmental Limited Purpose Landfill

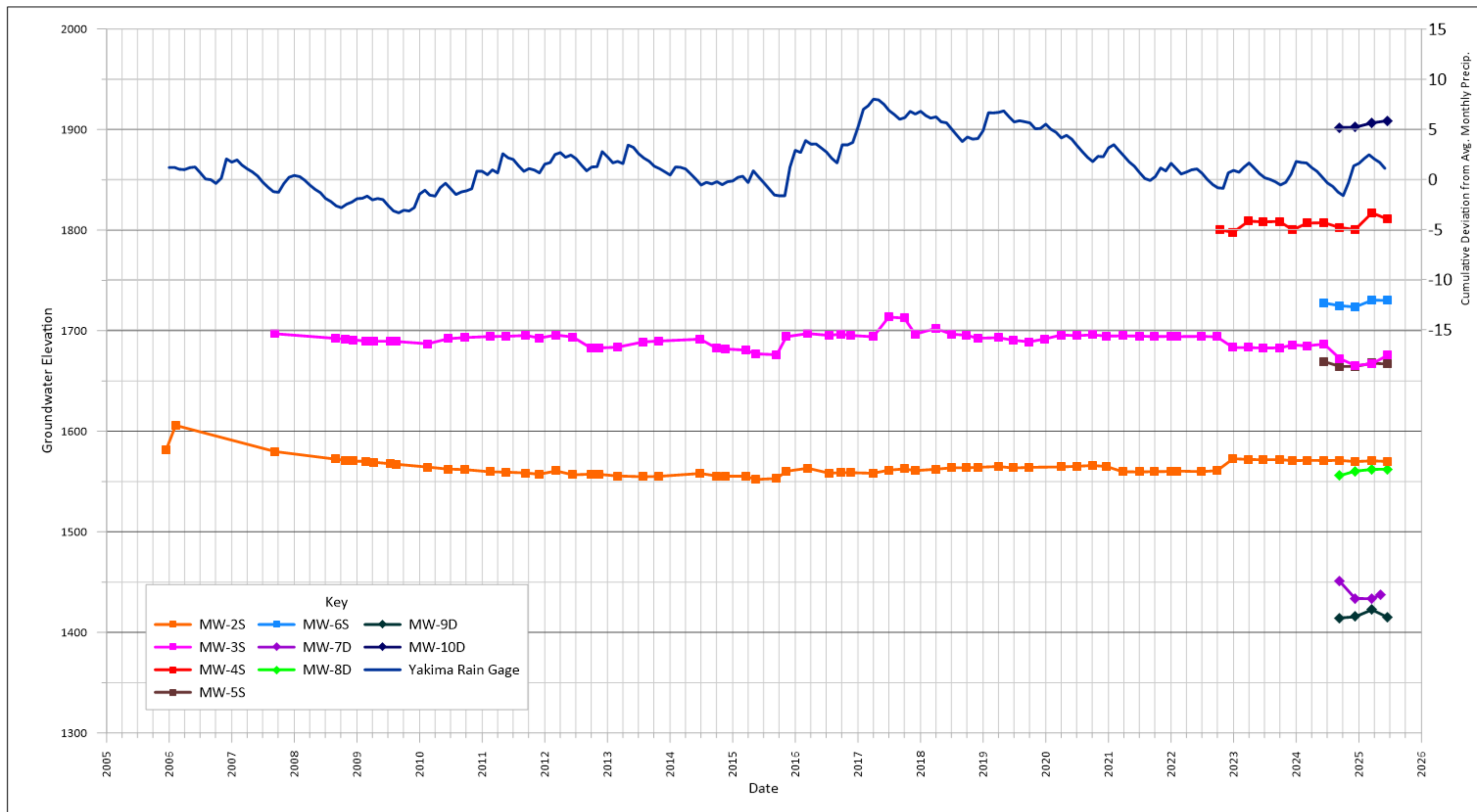


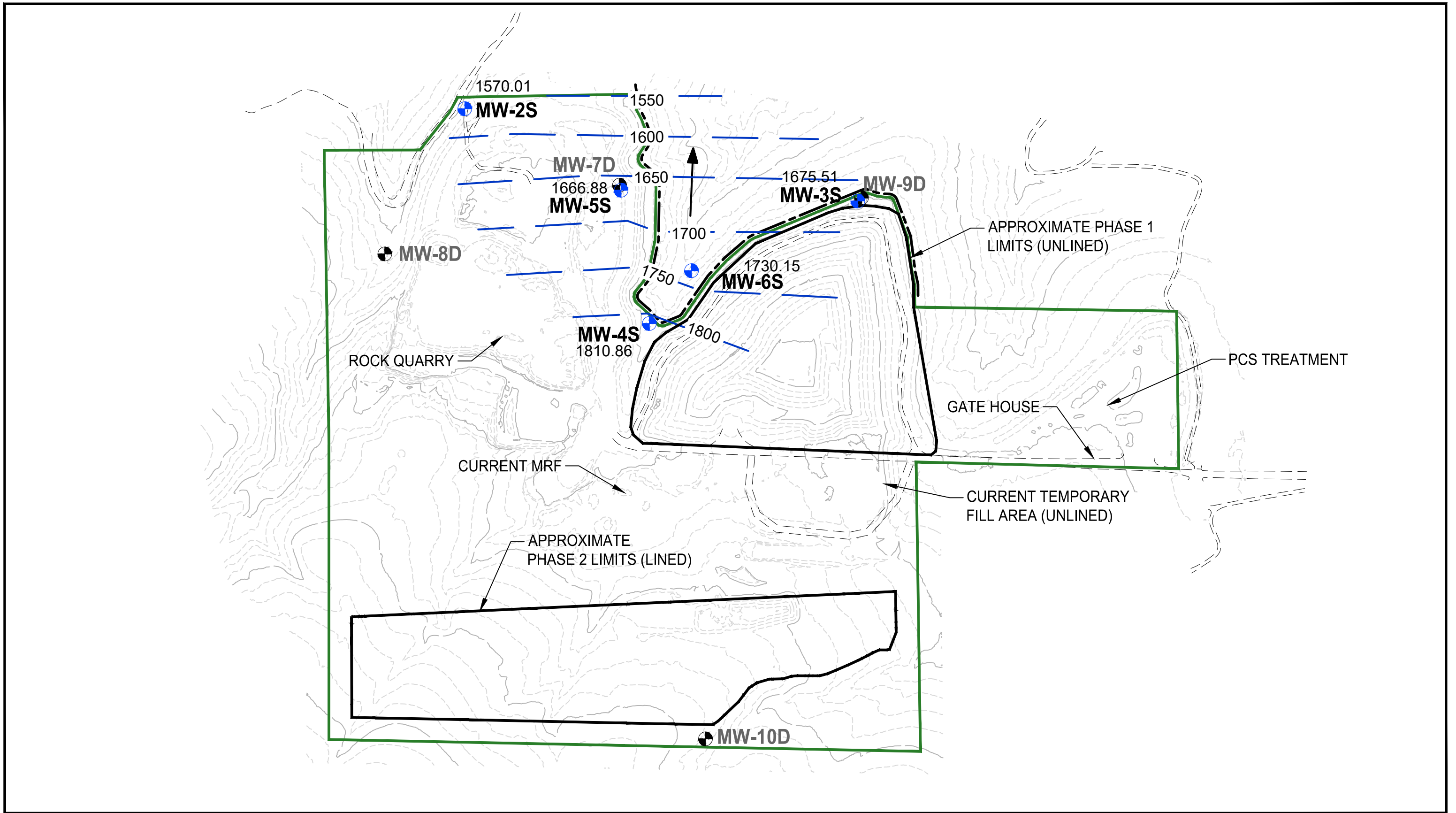
Parametrix DATE: June 17, 2025 FILE: PS8472008-FIGURE 1 - VICINITY MAP



- Monitoring Well
- Proposed Monitoring Well
- ⊕ Borehole
- ⊕ Decommissioned Well

Figure 2
Well Location Map
Rocky Top Environmental Limited Purpose Landfill





Tables

Table 1. Field Parameters, Nitrate, Petroleum Hydrocarbons, and Volatile Organic Compound Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	MCL	MTCA Method A	MTCA B Cancer	MTCA B Non-Cancer	MW-2S				MW-3S					MW-4S			
						9/12/2024	12/11/2024	4/1/2025	6/17/2025	9/12/2024	12/11/2024	3/31/2025	6/18/2025	MW-13S (Dup) 6/18/2025	9/11/2024	12/12/2024	4/1/2025	6/18/2025
Field Data																		
pH						7.91	8.36 R	7.59	7.15	7.69	7.90 R	7.09	6.87	--	7.76	8.12 R	7.13	6.72
Conductivity	µmhos/cm	700 **				176.8	161.4	120	182.6	630	563	432	669	--	973	786	752	1,207
Temperature	C					14.2	13.0	13.73	14.9	14.4	13.6	13.69	14.7	--	13.1	10.8	12.33	13.4
Redox	mv					-72.1	-186.0	192	192.2	-73.9	-185.4	172	247.6	--	-96.9	-181.2	187	288.6
Dissolved Oxygen	mg/L					6.04	6.93	7.28	7.52	4.88	4.65	4.77	5.39	--	4.04	4.33	5.77	4.96
Turbidity	NTU					0.00	0.00	0.06	49.60	0.00	0.44	0.21	2.64	--	0.00	0.59	0.36	49.96
Inorganic Parameters																		
Nitrate	mg/L-N	10 *			26	0.60	0.64	0.702	0.686	11	12	11.3	12.0	12.1	47	37	62.8	78.2
Total Petroleum Hydrocarbons																		
Gasoline Range Organics ^a	µg/L		800/1000			<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
TPHDx																		
Diesel Range Organics	µg/L					<210	<210	<210	<210	<210	<220	<200	<210	<210	<210	<220	<210	<200
Lube Oil Range Organics	µg/L					<210	<210	<210	<210	<210	<220	<200	<210	<210	<210	<220	<210	<200
Total TPHDx	µg/L		500			<210	<210	<210	<210	<210	<220	<200	<210	<210	<210	<220	<210	<200
Volatile Organic Compounds																		
Chloromethane	µg/L					<1.3	<1.0	<1.0	<1.0	<1.3	<1.0	<1.0	<1.0	<1.0	<1.3	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	2 *	0.2	0.029	24	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Bromomethane	µg/L				11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	µg/L					<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CFC-11, Trichlorofluoromethane	µg/L				2400	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethene	µg/L	7 *			400	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acetone	µg/L				7200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Iodide	µg/L					<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	µg/L				800	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methylene Chloride	µg/L	5 *	5	5.8	48	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acrylonitrile	µg/L			0.081	8	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<0.50	<1.0
Trans-1,2-Dichloroethene	µg/L	100 *			160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L			7.7	1600	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl Acetate	µg/L				8000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/L	70 *			16	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-Butanone	µg/L				4800	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane	µg/L					<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	80 * THM		1.4	80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200 *	200		16000	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	µg/L	5 *		0.63	32	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5 *	5	0.8	32	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5 *	5	0.48	48	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene	µg/L	5 *	5	0.54	4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5 *		1.2	320	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromomethane	µg/L					<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorobromomethane	µg/L	80 * THM				<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene	µg/L			0.44	240	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
4-methyl-2-pentanone	µg/L				640	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	µg/L	1000 *	1000		640	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-Dichloropropene	µg/L				160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	µg/L	5 *		0.77	32	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	µg/L	5 *	5	21	48	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-Hexanone	µg/L				8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dibromochloromethane	µg/L	80 * THM		0.52	160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromoethane (EDB)	µg/L	0.05 *	0.01	0.022	72	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Chlorobenzene	µg/L	100 *			160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L			1.7	240	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	µg/L	700 *	700		800	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Table 1. Field Parameters, Nitrate, Petroleum Hydrocarbons, and Volatile Organic Compound Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	MCL	MTCA Method A	MTCA B Cancer	MTCA B Non-Cancer	MW-5S					MW-6S					
						9/11/2024	MW-13S (Dup) 9/11/2024	12/11/2024	3/31/2025	6/17/2025	9/11/2024	12/12/2024	MW-13S (Dup) 12/12/2024	4/1/2025	MW-13S (Dup) 4/1/2025	6/18/2025
Field Data																
pH						8.49	--	8.46 R	7.87	7.49	8.25	8.38 R	--	7.51	--	7.02
Conductivity	µmhos/cm	700 **				356.6	--	362.3	525	403.2	501	504	--	389	--	591
Temperature	C					15.6	--	13.9	13.8	14.7	13.3	11.5	--	12.36	--	13.2
Redox	mv					-149.7	--	-218.1	-187	-60.4	-104.2	-194.5	--	165	--	272.7
Dissolved Oxygen	mg/L					0.14	--	0.10	8.75	2.27	4.06	4.19	--	4.26	--	4.38
Turbidity	NTU					2.52	--	2.14	0.25	7.50	0.00	1.78	--	0.5	--	2.51
Inorganic Parameters																
Nitrate	mg/L-N	10 *			26	<0.050	0.051	0.092	0.0800	<0.200	9.2	8.6	9.9	11.3	11.6	11.8
Total Petroleum Hydrocarbons																
Gasoline Range Organics ^a	µg/L		800/1000			<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
TPHDx																
Diesel Range Organics	µg/L					<220	<210	<210	<200	<210	<200	<210	<0.22	<200	<210	<200
Lube Oil Range Organics	µg/L					<220	<210	<210	<200	<210	<200	<210	<0.22	<200	<210	<200
Total TPHDx	µg/L		500			<220	<210	<210	<200	<210	<200	<210	<0.22	<200	<210	<200
Volatile Organic Compounds																
Chloromethane	µg/L					<1.3	<1.3	<1.0	<1.0	<1.0	<1.3	<1.0	<1.3	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	2 *	0.2	0.029	24	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Bromomethane	µg/L				11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	µg/L					<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CFC-11, Trichlorofluoromethane	µg/L				2400	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethene	µg/L	7 *			400	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acetone	µg/L				7200	<5.0	<5.0	<5.0	<6.7	<6.7	<5.0	<5.0	<5.0	<6.7	<5.0	<6.7
Methyl Iodide	µg/L					<1.0	<1.0	<1.0	<1.4	<1.4	<1.0	<1.0	<1.0	<1.4	<1.0	<1.4
Carbon Disulfide	µg/L				800	<0.20	<0.20	<0.20	<0.26	<2.6	<0.20	<0.20	<0.20	<0.26	<0.20	<2.6
Methylene Chloride	µg/L	5 *	5	5.8	48	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acrylonitrile	µg/L			0.081	8	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0
Trans-1,2-Dichloroethene	µg/L	100 *			160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L			7.7	1600	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl Acetate	µg/L				8000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/L	70 *			16	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-Butanone	µg/L				4800	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane	µg/L					<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	80 * THM		1.4	80	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200 *	200		16000	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	µg/L	5 *		0.63	32	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5 *	5	0.8	32	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5 *	5	0.48	48	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene	µg/L	5 *	5	0.54	4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5 *		1.2	320	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromomethane	µg/L					<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorobromomethane	µg/L	80 * THM				<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene	µg/L			0.44	240	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
4-methyl-2-pentanone	µg/L				640	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	µg/L	1000 *	1000		640	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-Dichloropropene	µg/L				160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	µg/L	5 *		0.77	32	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	µg/L	5 *	5	21	48	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-Hexanone	µg/L				8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dibromochloromethane	µg/L	80 * THM		0.52	160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromoethane (EDB)	µg/L	0.05 *	0.01	0.022	72	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Chlorobenzene	µg/L	100 *			160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L			1.7	240	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	µg/L	700 *	700		800	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Table 1. Field Parameters, Nitrate, Petroleum Hydrocarbons, and Volatile Organic Compound Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	MCL	MTCA Method A	MTCA B Cancer	MTCA B Non-Cancer	Trip Blank			
						9/12/2024	12/11/2024	3/31/2025	6/17/2025
Field Data									
pH						--	--	--	--
Conductivity	µmhos/cm	700 **				--	--	--	--
Temperature	C					--	--	--	--
Redox	mv					--	--	--	--
Dissolved Oxygen	mg/L					--	--	--	--
Turbidity	NTU					--	--	--	--
Inorganic Parameters									
Nitrate	mg/L-N	10 *			26	--	--	--	--
Total Petroleum Hydrocarbons									
Gasoline Range Organics ^a	µg/L		800/1000			<100	<100	<100	<100
TPHDx									
Diesel Range Organics	µg/L					--	--	--	--
Lube Oil Range Organics	µg/L					--	--	--	--
Total TPHDx	µg/L		500			--	--	--	--
Volatile Organic Compounds						--	--		
Chloromethane	µg/L					<1.4	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	2 *	0.2	0.029	24	<0.020	<0.020	<0.020	<0.020
Bromomethane	µg/L				11	<1.0	<1.0	<1.0	<1.0
Chloroethane	µg/L					<1.0	<1.0	<1.0	<1.0
CFC-11, Trichlorofluoromethane	µg/L				2400	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethene	µg/L	7 *			400	<0.20	<0.20	<0.20	<0.20
Acetone	µg/L				7200	<5.0	<5.0	<5.0	<5.0
Methyl Iodide	µg/L					<1.0	<1.0	<1.0	<1.3
Carbon Disulfide	µg/L				800	<0.20	<0.20	<0.20	<0.20
Methylene Chloride	µg/L	5 *	5	5.8	48	<1.0	<1.0	<1.0	<1.0
Acrylonitrile	µg/L			0.081	8	<0.50	<0.50	<0.50	<1.0
Trans-1,2-Dichloroethene	µg/L	100 *			160	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L			7.7	1600	<0.20	<0.20	<0.20	<0.20
Vinyl Acetate	µg/L				8000	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	µg/L	70 *			16	<0.20	<0.20	<0.20	<0.20
2-Butanone	µg/L				4800	<5.0	<5.0	<5.0	<5.0
Bromochloromethane	µg/L					<0.20	<0.20	<0.20	<0.20
Chloroform	µg/L	80 * THM		1.4	80	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200 *	200		16000	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	µg/L	5 *		0.63	32	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	5 *	5	0.8	32	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	5 *	5	0.48	48	<0.20	<0.20	<0.20	<0.20
Trichloroethene	µg/L	5 *	5	0.54	4	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	5 *		1.2	320	<0.20	<0.20	<0.20	<0.20
Dibromomethane	µg/L					<0.20	<0.20	<0.20	<0.20
Dichlorobromomethane	µg/L	80 * THM				<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene	µg/L			0.44	240	<0.20	<0.20	<0.20	<0.20
4-methyl-2-pentanone	µg/L				640	<2.0	<2.0	<2.0	<2.0
Toluene	µg/L	1000 *	1000		640	<1.0	<1.0	<1.0	<1.0
Trans-1,3-Dichloropropene	µg/L				160	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	µg/L	5 *		0.77	32	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	µg/L	5 *	5	21	48	<0.20	<0.20	<0.20	<0.20
2-Hexanone	µg/L				8	<2.0	<2.0	<2.0	<2.0
Dibromochloromethane	µg/L	80 * THM		0.52	160	<0.20	<0.20	<0.20	<0.20
1,2-Dibromoethane (EDB)	µg/L	0.05 *	0.01	0.022	72	<0.020	<0.020	<0.020	<0.020
Chlorobenzene	µg/L	100 *			160	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L			1.7	240	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	µg/L	700 *	700		800	<0.20	<0.20	<0.20	<0.20

Table 1. Field Parameters, Nitrate, Petroleum Hydrocarbons, and Volatile Organic Compound Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	MCL	MTCA Method A	MTCA B Cancer	MTCA B Non-Cancer	MW-2S				MW-3S					MW-4S			
						9/12/2024	12/11/2024	4/1/2025	6/17/2025	9/12/2024	12/11/2024	3/31/2025	6/18/2025	MW-13S (Dup) 6/18/2025	9/11/2024	12/12/2024	4/1/2025	6/18/2025
m, p-Xylene	µg/L				1600	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
o-Xylene	µg/L		1000		1600	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Styrene	µg/L	100 *			1600	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	80 * THM		5.5	160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/L			0.22	160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,3-Trichloropropane	µg/L			0.00038	32	<0.20	<0.27	<0.20	<0.20	<0.20	<0.27	<0.20	<0.20	<0.20	<0.20	<0.27	<0.20	<0.20
trans-1,4-Dichloro-2-butene	µg/L					<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<0.50	<1.0
1,4-Dichlorobenzene	µg/L	75 *		8.1	560	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	µg/L	600 *			720	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromo-3-chloropropane	µg/L	0.2 *		0.014	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/L	160	160		160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 1. Field Parameters, Nitrate, Petroleum Hydrocarbons, and Volatile Organic Compound Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	MCL	MTCA Method A	MTCA B Cancer	MTCA B Non-Cancer	MW-5S					MW-6S					
						MW-13S (Dup)		12/11/2024	3/31/2025	6/17/2025	9/11/2024	12/12/2024	12/12/2024	MW-13S (Dup)		6/18/2025
						9/11/2024	9/11/2024							4/1/2025	4/1/2025	
m, p-Xylene	µg/L				1600	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
o-Xylene	µg/L		1000		1600	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Styrene	µg/L	100 *			1600	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	80 * THM		5.5	160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/L			0.22	160	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,3-Trichloropropane	µg/L			0.00038	32	<0.20	<0.20	<0.27	<0.20	<0.20	<0.20	<0.27	<0.20	<0.20	<0.20	<0.20
trans-1,4-Dichloro-2-butene	µg/L					<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0
1,4-Dichlorobenzene	µg/L	75 *		8.1	560	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	µg/L	600 *			720	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromo-3-chloropropane	µg/L	0.2 *		0.014	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/L	160	160		160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 1. Field Parameters, Nitrate, Petroleum Hydrocarbons, and Volatile Organic Compound Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	MCL	MTCA Method A	MTCA B Cancer	MTCA B Non-Cancer	Trip Blank			
						9/12/2024	12/11/2024	3/31/2025	6/17/2025
m, p-Xylene	µg/L				1600	<0.40	<0.40	<0.40	<0.40
o-Xylene	µg/L		1000		1600	<0.20	<0.20	<0.20	<0.20
Styrene	µg/L	100 *			1600	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	80 * THM		5.5	160	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	µg/L			0.22	160	<0.20	<0.20	<0.20	<0.20
1,2,3-Trichloropropane	µg/L			0.00038	32	<0.20	<0.27	<0.27	<0.27
trans-1,4-Dichloro-2-butene	µg/L					<0.50	<0.50	<0.50	<1.0
1,4-Dichlorobenzene	µg/L	75 *		8.1	560	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	µg/L	600 *			720	<0.20	<0.20	<0.20	<0.20
1,2-Dibromo-3-chloropropane	µg/L	0.2 *		0.014	1.6	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/L	160	160		160	<1.0	<1.0	<1.0	<1.0

Notes:

MCL = Maximum Contaminant Level, State Drinking Water Regulations (WAC 246-290)

MTCA = Model Toxics Control Act (WAC 173-340)

^a = Gasoline with no benzene present

* = Primary

** = Secondary

*** = Carcinogen

*THM = Primary MCL for the sum of all trihalomethanes

*XYL = Primary MCL for the sum of all xylenes

█ = Does not meet MCL or MTCA CUL

-- = Not analyzed

R = Rejected due to field meter anomalies

Table 2. Per- and Poly-fluoroalkyl Substances (PFAS) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Parameter	Units	Cleanup Level			MW-2S				MW-3S				
		MTCA B Non- Cancer	MTCA B Cancer	MCL	9/12/2024	12/11/2024	4/1/2025	6/17/2025	9/12/2024	12/11/2024	3/31/2025	6/18/2025	MS-13S (Dup) 6/18/2025
Perfluoroalkyl Sulfonic Acids (PFSAs)													
Perfluorobutane sulfonic acid (PFBS)	ng/L	4800			<4.5	<5.3	<4.4	<1.8	13	8.1	9.6	12	12
Perfluoropentane sulfonic acid (PFPeS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	1.8 J	3.2	2.8
Perfluorohexane sulfonic acid (PFHxS)	ng/L	160		10	<4.5	<5.3	<4.4	<1.8	6.7	<5.4	3.9 J	7.6	7.2
Perfluoroheptane sulfonic acid (PFHpS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluorooctane sulfonic acid (PFOS)	ng/L	1.6	2.2	4.0	<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	2.5 J	4.0	3.3
Perfluorononane sulfonic acid (PFNS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluorodecane sulfonic acid (PFDS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluorododecane sulfonic acid (PFDoS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluoroalkyl Carboxylic Acids (PFCAs)													
Perfluorobutanoic acid (PFBA)	ng/L	8000			<4.5	<5.3	<4.4	<2.0	33	31	27	84	78
Perfluoropentanoic acid (PFPeA)	ng/L				<4.5	<5.3	<4.4	<1.8	74	49	42	87	82
Perfluorohexanoic acid (PFHxA)	ng/L	8000			<4.5	<5.3	<4.4	<1.8	43	34	25	62	57
Perfluoroheptanoic acid (PFHpA)	ng/L				<4.5	<5.3	<4.4	<1.8	25	17	13	31	29
Perfluorooctanoic acid (PFOA)	ng/L	0.48	0.003	4.0	<4.5	<5.3	<4.4	<1.8	29	21	15	34	33
Perfluorononanoic acid (PFNA)	ng/L	40		10	<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	0.65 J	0.64 J
Perfluorodecanoic acid (PFDA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluoroundecanoic acid (PFUnDA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluorododecanoic acid (PFDOA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluorotridecanoic acid (PFTTrDA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluorotetradecanoic acid (PFTDA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluoroalkyl Sulfonamido Substances													
Perfluorooctane sulfonamide (PFOSAm)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
N-Methylperfluorooctane sulfonamide (MeFOSA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Fluorotelomer Sulfonic Acids (FTSAs)													
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Fluorotelomer Carboxylic Acids (FTCAs)													
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ng/L				<180	<210	<170	<18	<190	<220	<170	<18	<18
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ng/L				<180	<210	<170	<18	<190	<220	<170	<18	<18
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ng/L				<180	<210	<170	<18	<190	<220	<170	<18	<18
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)													
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF30NS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF30UdS)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8

Table 2. Per- and Poly-fluoroalkyl Substances (PFAS) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Parameter	Units	Cleanup Level			MW-2S				MW-3S				
		MTCA B Non- Cancer	MTCA B Cancer	MCL	9/12/2024	12/11/2024	4/1/2025	6/17/2025	9/12/2024	12/11/2024	3/31/2025	6/18/2025	MS-13S (Dup) 6/18/2025
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)													
Perfluoro-3-methoxypropanoic acid (PFMPA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Perfluoro-4-methoxybutanoic acid (PFMBA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ng/L	24		10	<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ng/L				<4.5	<5.3	<4.4	<1.8	<4.7	<5.4	<4.3	<1.8	<1.8
MCL Hazard Index for Mixtures of HFPO-DA, PFBS, PFHxS, and PFNA					--	--	--		0.7	0.3	0.4	0.8	--
Running Annual Average Hazard Index	unitless			1	--				0.55				

Table 2. Per- and Poly-fluoroalkyl Substances (PFAS) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Parameter	Units	Cleanup Level			MW-4S				MW-5S				
		MTCA B Non- Cancer	MTCA B Cancer	MCL	9/12/2024	12/12/2024	4/1/2025	6/18/2025	9/12/2024	MW-13S (Dup) 9/12/2024	12/11/2024	3/31/2025	6/17/2025
Perfluoroalkyl Sulfonic Acids (PFSAs)													
Perfluorobutane sulfonic acid (PFBS)	ng/L	4800			4.8	<5.3	4.2 J	5.4	<4.6	<4.9	<5.3	4.3	<2.1
Perfluoropentane sulfonic acid (PFPeS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorohexane sulfonic acid (PFHxS)	ng/L	160		10	<4.5	<5.3	0.84 J	0.69 J	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluoroheptane sulfonic acid (PFHpS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorooctane sulfonic acid (PFOS)	ng/L	1.6	2.2	4.0	<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorononane sulfonic acid (PFNS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorodecane sulfonic acid (PFDS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorododecane sulfonic acid (PFDoS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluoroalkyl Carboxylic Acids (PFCAs)													
Perfluorobutanoic acid (PFBA)	ng/L	8000			23	17	31	39	<4.6	<4.9	<5.3	47	6
Perfluoropentanoic acid (PFPeA)	ng/L				21	7.9	25	42	<4.6	<4.9	<5.3	21	3.8
Perfluorohexanoic acid (PFHxA)	ng/L	8000			8.6	<5.3	19	32	<4.6	<4.9	<5.3	11	2.6
Perfluoroheptanoic acid (PFHpA)	ng/L				<4.5	<5.3	9.0	17	<4.6	<4.9	<5.3	1.2 J	<2.1
Perfluorooctanoic acid (PFOA)	ng/L	0.48	0.003	4.0	<4.5	<5.3	3.2 J	6.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorononanoic acid (PFNA)	ng/L	40		10	<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorodecanoic acid (PFDA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluoroundecanoic acid (PFUnDA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorododecanoic acid (PFDOA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorotridecanoic acid (PFTTrDA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluorotetradecanoic acid (PFTDA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluoroalkyl Sulfonamido Substances													
Perfluorooctane sulfonamide (PFOSAm)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	1.1 J
N-Methylperfluorooctane sulfonamide (MeFOSA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Fluorotelomer Sulfonic Acids (FTSAs)													
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Fluorotelomer Carboxylic Acids (FTCAs)													
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ng/L				<180	<210	<190	<18	<190	<190	<210	<170	<21
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ng/L				<180	<210	<190	<18	<190	<190	<210	<170	<21
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ng/L				<180	<210	<190	<18	<190	<190	<210	<170	<21
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)													
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF30NS)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF30UDs)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1

Table 2. Per- and Poly-fluoroalkyl Substances (PFAS) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Parameter	Units	Cleanup Level			MW-4S				MW-5S				
		MTCA B Non- Cancer	MTCA B Cancer	MCL	9/12/2024	12/12/2024	4/1/2025	6/18/2025	9/12/2024	MW-13S (Dup) 9/12/2024	12/11/2024	3/31/2025	6/17/2025
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)													
Perfluoro-3-methoxypropanoic acid (PFMPA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ng/L	24		10	<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ng/L				<4.5	<5.3	<4.6	<1.8	<4.6	<4.9	<5.3	<4.3	<2.1
MCL Hazard Index for Mixtures of HFPO-DA, PFBS, PFHxS, and PFNA					0.2	0.2	0.09	0.07	0.0	–	0.0	0.002	0.0
Running Annual Average Hazard Index	unitless			1	0.1				0.0				

Table 2. Per- and Poly-fluoroalkyl Substances (PFAS) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Parameter	Units	Cleanup Level			MW-6S					
		MTCA B Non- Cancer	MTCA B Cancer	MCL	9/12/2024	12/12/2024	MS-13S (Dup) 12/12/2024	4/1/2025	MS-13S (Dup) 4/1/2025	6/18/2025
Perfluoroalkyl Sulfonic Acids (PFSAs)										
Perfluorobutane sulfonic acid (PFBS)	ng/L	4800			6.6	5.1	<4.9	6.3	6.9	7.2
Perfluoropentane sulfonic acid (PFPeS)	ng/L				<4.3	<4.8	<4.9	1.1 J	1.0 J	1.2 J
Perfluorohexane sulfonic acid (PFHxS)	ng/L	160		10	<4.3	<4.8	<4.9	1.1 J	1.0 J	1.0 J
Perfluoroheptane sulfonic acid (PFHpS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorooctane sulfonic acid (PFOS)	ng/L	1.6	2.2	4.0	<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorononane sulfonic acid (PFNS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorodecane sulfonic acid (PFDS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorododecane sulfonic acid (PFDoS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluoroalkyl Carboxylic Acids (PFCAs)										
Perfluorobutanoic acid (PFBA)	ng/L	8000			9.1	8.5	7.9	9.5	9.6	12
Perfluoropentanoic acid (PFPeA)	ng/L				<4.3	5.5	5.4	8.1	7.9	12
Perfluorohexanoic acid (PFHxA)	ng/L	8000			<4.3	<4.8	<4.9	4.7 J	4.9	8.3
Perfluoroheptanoic acid (PFHpA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	0.90 J
Perfluorooctanoic acid (PFOA)	ng/L	0.48	0.003	4.0	<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorononanoic acid (PFNA)	ng/L	40		10	<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorodecanoic acid (PFDA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluoroundecanoic acid (PFUnDA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorododecanoic acid (PFDOA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorotridecanoic acid (PFTrDA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluorotetradecanoic acid (PFTDA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluoroalkyl Sulfonamido Substances										
Perfluorooctane sulfonamide (PFOSAm)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
N-Methylperfluorooctane sulfonamide (MeFOSA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Fluorotelomer Sulfonic Acids (FTSAs)										
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Fluorotelomer Carboxylic Acids (FTCAs)										
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ng/L				<170	<190	<200	<190	<180	<18
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ng/L				<170	<190	<200	<190	<180	<18
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ng/L				<170	<190	<200	<190	<180	<18
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)										
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8

Table 2. Per- and Poly-fluoroalkyl Substances (PFAS) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Parameter	Units	Cleanup Level			MW-6S					
		MTCA B Non- Cancer	MTCA B Cancer	MCL	9/12/2024	12/12/2024	MS-13S (Dup)	4/1/2025	MS-13S (Dup)	6/18/2025
							12/12/2024		4/1/2025	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)										
Perfluoro-3-methoxypropanoic acid (PFMPA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Perfluoro-4-methoxybutanoic acid (PFMBA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ng/L	24		10	<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
Nonafluoro-3,6-dioxiheptanoic acid (NFDHA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ng/L				<4.3	<4.8	<4.9	<4.7	<4.5	<1.8
MCL Hazard Index for Mixtures of HFPO-DA, PFBS, PFHxS, and PFNA					0.2	0.2	--	0.1	--	0.004
Running Annual Average Hazard Index	unitless			1	0.1					

Notes:

- CUL = Cleanup level
- MTCA = Model Toxics Control Act (WAC 173-340), MCLs are currently being used rather than MTCA Method B CULs (Ecology, 2024, Selection of Human Health Toxicity for PFAS Chemicals)
- MCL = Maximum contaminant level, compliance is currently established using the MCL compared to annual average
- < = Not detected
- = Not calculated
- Does not meet MCL**
- J = Estimated value

Table 3. Dioxin and Furan Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Parameter	Units	MTCA Method B Cancer CUL	MTCA Method B Non-Cancer CUL	TEF	MW-2S						MW-3S						MW-4S					
					9/12/2024	TEF	12/11/2024	TEF	4/1/2025	TEF	9/12/2024	TEF	12/11/2024	TEF	3/31/2025	TEF	9/12/2024	TEF	12/12/2024	TEF	4/1/2025	TEF
Dioxin Congeners																						
2,3,7,8-Tetrachloro dibenzo-p-dioxin	pg/L	0.34	5.60	1	<0.797	--	<1.46	--	<1.28	--	<1.92	--	<1.81	--	<1.17	--	<1.18	--	<2.64	--	<0.846	--
1,2,3,7,8-Pentachloro dibenzo-p-dioxin	pg/L			1	<0.959	--	<1.10	--	<1.69	--	<2.10	--	<1.05	--	<2.10	--	<2.00	--	<0.840	--	<1.44	--
1,2,3,4,7,8-Hexachloro dibenzo-p-dioxin	pg/L			0.1	<1.28	--	<2.11	--	<2.04	--	<1.72	--	<1.83	--	<2.33	--	<1.60	--	<1.86	--	<2.33	--
1,2,3,6,7,8-Hexachloro dibenzo-p-dioxin	pg/L			0.1	<1.30	--	<2.28	--	<2.19	--	<2.20	--	<1.91	--	<2.59	--	<1.93	--	<1.99	--	<2.60	--
1,2,3,7,8,9-Hexachloro dibenzo-p-dioxin	pg/L			0.1	<1.44	--	<2.40	--	<2.27	--	<2.55	--	<1.86	--	<2.40	--	<1.81	--	<2.01	--	<2.57	--
1,2,3,4,6,7,8-Heptachloro dibenzo-p-dioxin	pg/L			0.01	<1.90	--	<3.30	--	<4.10	--	3.83 J	0.0383 J	1.34 J	0.0134 J	<2.49	--	73.7	0.737	<2.17	--	<2.47	--
1,2,3,4,6,7,8,9-Octachloro dibenzo-p-dioxin	pg/L			0.0003	2.60	0.000780	<2.96	--	110	0.0330	21.7 J	0.00651 J	<10.2	--	<6.93	--	<4.11	--	<3.42	--	<12.7	--
Furan Congeners																						
2,3,7,8-Tetrachloro dibenzofuran	pg/L			0.1	<0.652	--	<0.801	--	<2.30	--	<1.31	--	<0.853	--	<0.619	--	<0.875	--	<0.704	--	<0.789	--
1,2,3,7,8-Pentachloro dibenzofuran	pg/L			0.03	<0.585	--	<0.750	--	<2.85	--	<1.27	--	<0.551	--	<1.42	--	<1.25	--	<0.652	--	<0.647	--
2,3,4,7,8-Pentachloro dibenzofuran	pg/L			0.3	<0.548	--	<0.660	--	<3.02	--	<1.25	--	<0.507	--	<0.709	--	<1.38	--	<0.504	--	<0.639	--
1,2,3,4,7,8-Hexachloro dibenzofuran	pg/L			0.1	<0.685	--	<0.819	--	<4.14	--	<1.36	--	<0.826	--	<0.502	--	1.59 J	0.159 J	<0.634	--	<0.515	--
1,2,3,6,7,8-Hexachloro dibenzofuran	pg/L			0.1	<0.736	--	<0.876	--	<2.16	--	<1.47	--	<0.882	--	<0.475	--	1.4 J	0.14 J	<0.691	--	<0.497	--
1,2,3,7,8,9-Hexachloro dibenzofuran	pg/L			0.1	<0.743	--	<1.30	--	<2.63	--	<1.59	--	<1.33	--	<0.565	--	1.94 J	0.194 J	<1.25	--	<0.575	--
2,3,4,6,7,8-Hexachloro dibenzofuran	pg/L			0.1	<1.05	--	<0.827	--	<2.78	--	<2.09	--	<0.965	--	<0.624	--	<1.58	--	<0.689	--	< 0.720	--
1,2,3,4,6,7,8-Heptachloro dibenzofuran	pg/L			0.01	<0.835	--	<1.01	--	1.79 J	0.0179	<1.59	--	<1.05	--	<0.279	--	17.7 J	0.177 J	<0.806	--	<0.763	--
1,2,3,4,7,8,9-Heptachloro dibenzofuran	pg/L			0.01	<1.33	--	<1.34	--	<1.57	--	<1.78	--	<1.39	--	<0.416	--	2.68 J	0.0268 J	<1.54	--	<0.942	--
1,2,3,4,6,7,8,9-Octachloro dibenzofuran	pg/L			0.0003	<1.83	--	<2.14	--	2.63 J	0.0008	4.02 J	0.001206 J	<2.73	--	<2.27	--	104 J	0.0312 J	<3.46	--	<1.98	--
Totals TEQ	pg/L	0.34	5.60		0.00078		0		0.0517		0.046016 J		0.0134 J		0		1.465 J		0		0	

Notes:
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MTCA = Model Toxics Control Act (WAC 173-340)
TEQ = Toxicity Equivalency Quotient
TEF = Toxic Equivalency Factor
J = Estimated value
< = Not Detected
-- = Not calculated
Bold = Above MTCA

Table 3. Dioxin and Furan Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Parameter	Units	MTCA Method B Cancer CUL	MTCA Method B Non-Cancer CUL	TEF	MW-5S					MW-6S									
					9/12/2024	TEF	12/11/2024	TEF	3/31/2025	TEF	9/12/2024	TEF	MW-13S (Dup) 9/12/2024	12/12/2024	TEF	MW-13S (Dup) 12/12/2024	4/1/2025	TEF	MW-13S (Dup) 4/1/2025
Dioxin Congeners																			
2,3,7,8-Tetrachloro dibenzo-p-dioxin	pg/L	0.34	5.60	1	<1.57	--	<1.07	--	<1.88	--	<1.22	--	<0.895	<0.926	--	<2.50	<1.07	--	<1.24
1,2,3,7,8-Pentachloro dibenzo-p-dioxin	pg/L			1	<1.87	--	<1.01	--	<1.46	--	<1.91	--	<1.65	<1.05	--	<1.13	<1.71	--	<1.90
1,2,3,4,7,8-Hexachloro dibenzo-p-dioxin	pg/L			0.1	<2.07	--	<2.45	--	<3.20	--	<1.98	--	<2.08	<1.65	--	<2.05	<2.22	--	<1.40
1,2,3,6,7,8-Hexachloro dibenzo-p-dioxin	pg/L			0.1	<2.40	--	<2.75	--	<3.23	--	<1.99	--	<2.29	<1.76	--	<2.55	<2.40	--	<1.39
1,2,3,7,8,9-Hexachloro dibenzo-p-dioxin	pg/L			0.1	<2.42	--	<2.50	--	<3.51	--	<2.05	--	<2.37	<1.77	--	<2.42	<2.47	--	<1.48
1,2,3,4,6,7,8-Heptachloro dibenzo-p-dioxin	pg/L			0.01	<3.53	--	<1.71	--	<2.71	--	<2.23	--	<3.11	<1.71	--	<2.23	<3.31	--	<1.80
1,2,3,4,6,7,8,9-Octachloro dibenzo-p-dioxin	pg/L			0.0003	12.6 J	0.00378 J	<5.66	--	<5.94	--	13.4 J	0.00402 J	<6.67	<3.37	--	<4.03	<5.61	--	<4.25
Furan Congeners																			
2,3,7,8-Tetrachloro dibenzofuran	pg/L			0.1	<1.27	--	<0.840	--	<1.18	--	1.1	--	<0.683	<0.822	--	<0.715	<1.01	--	<0.653
1,2,3,7,8-Pentachloro dibenzofuran	pg/L			0.03	<1.42	--	<0.812	--	<4.30	--	<1.25	--	<1.06	<0.776	--	<0.736	<0.805	--	<0.686
2,3,4,7,8-Pentachloro dibenzofuran	pg/L			0.3	<1.04	--	<0.612	--	<3.43	--	<1.19	--	<0.854	<0.705	--	<0.548	<0.791	--	<0.569
1,2,3,4,7,8-Hexachloro dibenzofuran	pg/L			0.1	<1.55	--	<0.805	--	<1.36	--	<1.26	--	<1.03	<0.819	--	<0.782	<0.725	--	<0.578
1,2,3,6,7,8-Hexachloro dibenzofuran	pg/L			0.1	<1.55	--	<0.892	--	<1.44	--	<1.28	--	<1.09	<0.867	--	<0.886	<0.703	--	<0.552
1,2,3,7,8,9-Hexachloro dibenzofuran	pg/L			0.1	<1.51	--	<1.30	--	<1.71	--	<1.38	--	<1.15	<1.35	--	<1.26	<0.867	--	<0.658
2,3,4,6,7,8-Hexachloro dibenzofuran	pg/L			0.1	<1.94	--	<0.882	--	<1.86	--	<1.66	--	<1.48	<0.907	--	<0.953	<1.05	--	<0.752
1,2,3,4,6,7,8-Heptachloro dibenzofuran	pg/L			0.01	<2.07	--	<0.836	--	<0.708	--	<1.53	--	<1.59	<1.22	--	<0.697	<0.712	--	<0.373
1,2,3,4,7,8,9-Heptachloro dibenzofuran	pg/L			0.01	<2.72	--	<1.25	--	<0.922	--	<2.11	--	<2.14	<1.60	--	<1.01	<0.886	--	<0.483
1,2,3,4,6,7,8,9-Octachloro dibenzofuran	pg/L			0.0003	<7.13	--	<2.67	--	<2.85	--	<3.02	--	<5.06	<2.65	--	<2.37	<2.49	--	<1.79
Totals TEQ	pg/L	0.34	5.60		0.00378 J		0	0	0	0.00402 J		0	0		0		0		

Notes:
CUL = Clean Up Level
MTCA = Model Toxics Control Act (WAC 173-340)
TEQ = Toxicity Equivalency Quotient
TEF = Toxic Equivalency Factor
J = Estimated value
< = Not Detected
-- = Not calculated
Above = Above MTCA

Table 4. Semi-Volatile Organic Compounds (SVOC) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	Cleanup Level			MW-2S		MW-3S			MW-4S		MW-5S		MW-6S		
		MTCA B Non-Cancer			12/11/2024	6/17/2025	12/11/2024	6/18/2025	MW-13S (Dup) 6/19/2025	12/12/2024	6/18/2025	12/12/2024	6/17/2025	12/12/2024	MW-13S (Dup) 12/12/2024	6/18/2025
		MTCA B Cancer	Cancer	MCL												
(3+4)-Methylphenol (m,p-Cresol)	µg/L	1600 / 800			<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1,2,4-Trichlorobenzene	µg/L	1.5	80	70	<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1,2-Dichlorobenzene	µg/L		720	600	<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1,2-Dinitrobenzene	µg/L		1.6		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1,2-Diphenylhydrazine	µg/L	0.11 A			<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1,3-Dichlorobenzene	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1,3-Dinitrobenzene	µg/L		1.6		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1,4-Dichlorobenzene	µg/L	8.1	560	75	<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1,4-Dinitrobenzene	µg/L		1.6		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
1-Methylnaphthalene	µg/L	0.86	560		<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
2,3,4,6-Tetrachlorophenol	µg/L		480		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2,3,5,6-Tetrachlorophenol	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2,3-Dichloroaniline	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2,4,5-Trichlorophenol	µg/L		1600		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2,4,6-Trichlorophenol	µg/L	8	16		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2,4-Dichlorophenol	µg/L		48		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2,4-Dimethylphenol	µg/L		320		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2,4-Dinitrophenol	µg/L		32		<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
2,4-Dinitrotoluene	µg/L	0.28 A	32		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2,6-Dinitrotoluene	µg/L	0.058 A	4.8		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2-Chloronaphthalene	µg/L		640		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2-Chlorophenol	µg/L		40		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2-Methylnaphthalene	µg/L		32		<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
2-Methylphenol (o-Cresol)	µg/L		800		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2-Nitroaniline	µg/L		160		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
2-Nitrophenol	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
3,3-Dichlorobenzidine	µg/L	0.19 A			<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
3-Nitroaniline	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
4,6-Dinitro-2-methylphenol	µg/L		1.3 A		<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
4-Bromophenyl-phenylether	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
4-Chloro-3-methylphenol	µg/L		1600		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
4-Chloroaniline	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
4-Chlorophenyl-phenylether	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
4-Nitroaniline	µg/L	4.4	64		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
4-Nitrophenol	µg/L				<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
Acenaphthene	µg/L		480		<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
Acenaphthylene	µg/L				<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
Aniline	µg/L	15	110		<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
Anthracene	µg/L		2400		<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
Benzyl alcohol	µg/L		1600		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
bis(2-Chloroethoxy)methane	µg/L		48		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
bis(2-Chloroethyl)ether	µg/L	0.04 A			<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
bis(2-Chloroisopropyl)ether	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
bis(2-Ethylhexyl)phthalate	µg/L	6.3	320	6	<0.98	<4.8	2.8	<4.9	<4.8	<1	<4.8	<0.96	<4.8	<1	<1	<4.8
bis-2-Ethylhexyladipate	µg/L	73	9600	400	<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
Butylbenzylphthalate	µg/L	46	3200		<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
Carbazole	µg/L				<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
Dibenzofuran	µg/L		8		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
Diethylphthalate	µg/L		13000		<0.98	<4.8	<0.96	<4.9	<4.8	<1	<4.8	<0.96	<4.8	<1	<1	<4.8

Table 4. Semi-Volatile Organic Compounds (SVOC) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	Cleanup Level			MW-2S		MW-3S			MW-4S		MW-5S		MW-6S		
		MTCA B Non-Cancer			12/11/2024	6/17/2025	12/11/2024	6/18/2025	MW-13S (Dup) 6/19/2025	12/12/2024	6/18/2025	12/12/2024	6/17/2025	12/12/2024	MW-13S (Dup) 12/12/2024	6/18/2025
		MTCA B Cancer	Cancer	MCL												
Dimethylphthalate	µg/L				<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
Di-n-butylphthalate	µg/L		1600		<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
Di-n-octylphthalate	µg/L		160		<0.98	<4.8	<0.96	<4.9	<4.8	<1	<4.8	<0.96	<4.8	<1	<1	<4.8
Fluoranthene	µg/L		640		<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
Fluorene	µg/L		320		<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
Hexachlorobenzene	µg/L	0.027 A	6.4	1	<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
Hexachlorobutadiene	µg/L	0.56 A	8		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
Hexachlorocyclopentadiene	µg/L		48	50	<4.9	<0.95	<4.8	<0.98	<0.95	<5.2	<0.95	<4.8	<0.97	<5.1	<5.2	<0.95
Hexachloroethane	µg/L	1.1	5.6		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
Isophorone	µg/L	92	3200		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
Naphthalene	µg/L	160	160		<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
Nitrobenzene	µg/L		16		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
n-Nitrosodimethylamine	µg/L	0.00023 A	0.064 A		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
n-Nitroso-di-n-propylamine	µg/L	0.013 A			<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
n-Nitrosodiphenylamine	µg/L		18		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
Pentachlorophenol	µg/L	0.22 A	80	0.042 A	<4.9	<4.8	<4.8	<4.9	<4.8	<5.2	<4.8	<4.8	<4.8	<5.1	<5.2	<4.8
Phenanthrene	µg/L				<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
Phenol	µg/L		4800		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95
Pyrene	µg/L		4800		<0.098	<0.098	<0.096	<0.098	<0.098	<0.1	<0.098	<0.096	<0.098	<0.1	<0.1	<0.098
Pyridine	µg/L		8		<0.98	<0.95	<0.96	<0.98	<0.95	<1	<0.95	<0.96	<0.97	<1	<1	<0.95

Notes:
A Reporting Limit (practical quantitation limite) is above the Cleanup Level
MTCA Model Toxics Control Act
MCL Maximum Contamination Limit
Cleanup levels as published in Cleanup Levels and Risk Calculations (Ecology, January 2025)

Table 5. Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	Cleanup Level		TEF ¹	MW-2S				MW-3S						MW-4S			
		MTCA			12/11/2024		6/17/2025		12/11/2024		6/18/2025		MW-13S (Dup) 6/19/2025		12/12/2024		6/18/2025	
		Method A	MCL		Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
Benzo(a)anthracene	µg/L	0.1		0.1	<0.0098	0.00098	<0.0095	0.00095	<0.0096	0.00096	<0.0098	0.00098	<0.0095	0.00095	<0.0100	0.00100	<0.0095	0.00095
Benzo(a)pyrene	µg/L	0.1	0.2	1	<0.0098	0.00980	<0.0095	0.0095	<0.0096	0.00960	<0.0098	0.00980	<0.0095	0.00950	<0.0100	0.01000	<0.0095	0.00950
Benzo(b)fluoranthene	µg/L	0.1		0.1	<0.0098	0.00098	<0.0095	0.00095	<0.0096	0.00096	<0.0098	0.00098	<0.0095	0.00095	<0.0100	0.00100	<0.0095	0.00095
Benzo(j,k)fluoranthene	µg/L	0.1		0.1	<0.0098	0.00098	<0.0095	0.00095	<0.0096	0.00096	<0.0098	0.00098	<0.0095	0.00095	<0.0100	0.00100	<0.0095	0.00095
Chrysene	µg/L	0.1		0.01	<0.0098	0.000098	<0.0095	0.000095	<0.0096	0.000096	<0.0098	0.000098	<0.0095	0.000095	<0.0100	0.000100	<0.0095	0.000095
Dibenzo(a,h)anthracene	µg/L	0.1		0.1	<0.0098	0.00098	<0.0095	0.00095	<0.0096	0.00096	<0.0098	0.00098	<0.0095	0.00095	<0.0100	0.00100	<0.0095	0.00095
Indeno(1,2,3-cd)pyrene	µg/L	0.1		0.1	<0.0098	0.00098	<0.0095	0.00095	<0.0096	0.00096	<0.0098	0.00098	<0.0095	0.00095	<0.0100	0.00100	<0.0095	0.00095
Total cPAH TEQ	µg/L	0.1				0.0148		0.0143		0.0145		0.0148		0.0143		0.0151		0.0143

Table 5. Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs) Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	Cleanup Level		TEF ¹	MW-5S				MW-6S					
		MTCA Method A MCL			12/11/2024		6/17/2025		12/12/2024		MW-13S (Dup) 12/12/2024		6/18/2025	
					Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
Benzo(a)anthracene	µg/L	0.1	0.2	0.1	<0.0096	0.00096	<0.0097	0.00097	<0.0100	0.00100	<0.0100	0.00100	<0.0095	0.00095
Benzo(a)pyrene	µg/L	0.1		1	<0.0096	0.00960	<0.0097	0.00970	<0.0100	0.01000	<0.0100	0.01000	<0.0095	0.00950
Benzo(b)fluoranthene	µg/L	0.1		0.1	<0.0096	0.00096	<0.0097	0.00097	<0.0100	0.00100	<0.0100	0.00100	<0.0095	0.00095
Benzo(j,k)fluoranthene	µg/L	0.1		0.1	<0.0096	0.00096	<0.0097	0.00097	<0.0100	0.00100	<0.0100	0.00100	<0.0095	0.00095
Chrysene	µg/L	0.1		0.01	<0.0096	0.000096	<0.0097	0.000097	<0.0100	0.000100	<0.0100	0.000100	<0.0095	0.000095
Dibenzo(a,h)anthracene	µg/L	0.1		0.1	<0.0096	0.00096	<0.0097	0.00097	<0.0100	0.00100	<0.0100	0.00100	<0.0095	0.00095
Indeno(1,2,3-cd)pyrene	µg/L	0.1		0.1	<0.0096	0.00096	<0.0097	0.00097	<0.0100	0.00100	<0.0100	0.00100	<0.0095	0.00095
Total cPAH TEQ	µg/L	0.1				0.0145		0.0146		0.0151		0.0151		0.0143

Notes:
¹ TEF is unitless
TEF = Toxicity Equivalency Factor for cPAHs using MTCA Table 708-2 and Chapter 173-340-708 WAC
TEQ = Toxicity Equivalency Quotient Concentration for benzo(a)pyrene
MTCA Model Toxics Control Act
MCL Maximum Contamination Limit

Table 6. EPA Priority Pollutant Metals Results, MTCA Limited Remedial Investigation, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units					MW-2S	MW-3S	MW-4S	MW-5S	MW-6S	
		MCL	MTCA Method A	MTCA B Cancer	MTCA B Non- Cancer	4/1/2025	3/31/2025	4/1/2025	3/31/2025	4/1/2025	MW-13S (Dup) 4/1/2025
Antimony, Total	mg/L	0.006	*		0.0064	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Antimony, Dissolved	mg/L					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic, Total	mg/L	0.010	*	0.005	0.027	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Arsenic, Dissolved	mg/L					<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Berylium, Total	mg/L	0.004	*		0.032	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Berylium, Dissolved	mg/L					<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium, Total	mg/L	0.005	*	0.005	0.008	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044
Cadmium, Dissolved	mg/L					<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Chromium, Total	mg/L	0.1	*	0.05		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Chromium, Dissolved	mg/L					<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper, Total	mg/L	1.3			0.64	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Copper, Dissolved	mg/L					<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lead, Total	mg/L			0.0015		<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
Lead, Dissolved	mg/L					<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Mercury, Total	mg/L	0.002	*	0.002		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Mercury, Dissolved	mg/L					<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Nickel, Total	mg/L				0.32	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022
Nickel, Dissolved	mg/L					<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Selenium, Total	mg/L	0.05	*		0.08	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Selenium, Dissolved	mg/L					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Silver, Total	mg/L	0.1	**		0.08	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Silver, Dissolved	mg/L					<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Thallium, Total	mg/L	0.002	*		0.00016	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Thallium, Dissolved	mg/L					<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc, Total	mg/L	5.0	**		4.8	<0.028	<0.028	<0.028	<0.028	<0.028	<0.028
Zinc, Dissolved	mg/L					<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

Notes:

MCL = Maximum Contaminant Level, State Drinking Water Regulations (WAC 246-290)

MTCA = Model Toxics Control Act (WAC 173-340)

^a = Gasoline with no benzene present

* = Primary

** = Secondary

*** = Carcinogen

*THM = Primary MCL for the sum of all trihalomethanes

*XYL = Primary MCL for the sum of all xylenes

= Does not meet MCL or MTCA CUL

-- = Not analyzed

Attachment A

Second Quarter 2025
Field Data Sheets

Water Level Measurement Field Report

DATE 6/17/25		JOB NO. 553-8472-009	
PROJECT: Yakima LPL		COMPANY NAME: Parametrix	
LOCATION: Rocky Top			
WEATHER Sunny	TEMP 90 ° at	° at 12 PM	
PERSONNEL XXXX Hines & Nguyen			

THE FOLLOWING WAS NOTED:

WELL NUMBER	Time	Depth to Water (ft below top of casing)	Measuring Point	Screen Interval (ft bgs)
MW-2S	955	288.35	TOC	310-330
MW-3S	1007 1029	170.41	TOC	188-198
MW-4S	1619	34.73	TOC	49.5 - 69.5
MW-5S	915	217.00	TOC	222-243
MW-6S	1018	95.16	TOC	110-130
* MW-7D	—	—	TOC	475-495
MW-8D	1007	301.55	TOC	375-405
MW-9D	1035	432.48	TOC	420-440
MW-10D	1045	79.96	TOC	150-170
6/18/25 MW-11S	1521	109.96	TOC	

* Couldn't get WL reading

Groundwater Sampling Field Data Sheet

Well #: MW-25

Project Number: <u>553-847-2009</u>		Date: <u>6/17/25</u>	
Project Name: <u>Yakima LPL</u>		Company Name: <u>PMX</u>	
Project Address: <u>Rocky Top</u>		Sampled By: <u>BH, SN</u>	
Casing Diameter: 2" ☐ 4" ☐ 6" ☐ Other ☐			
Initial Depth to Water (feet): <u>288.35</u>		Purge Rate Measurement Method: <u>graduated cylinder</u>	
Depth of Well (feet): _____		Date Purged: <u>6/17/25</u>	
Top of Screen (feet): _____		Purge Time (from/to): <u>1500 - 1520</u>	
Reference Point (surveyor's notch, etc.): _____		Time Sampled: <u>1524</u>	

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial								
1500	<u>288.32</u>	<u>7.85</u>	<u>181.7</u>	<u>19.5</u>	<u>162</u>	<u>8.55</u>	<u>47.57</u>	<u>30/30</u>
1505	<u>289.21</u>	<u>7.11</u>	<u>182</u>	<u>14.4</u>	<u>175.5</u>	<u>6.70</u>	<u>66.9</u>	<u>"</u>
1510	<u>289.30</u>	<u>7.20</u>	<u>182.3</u>	<u>14.7</u>	<u>181</u>	<u>7.3</u>	<u>47.47</u>	<u>"</u>
1515		<u>7.18</u>	<u>182.6</u>	<u>14.9</u>	<u>182.5</u>	<u>7.35</u>	<u>46.70</u>	
1520	<u>289.25</u>	<u>7.15</u>	<u>182.6</u>	<u>14.9</u>	<u>192.2</u>	<u>7.52</u>	<u>49.60</u>	
1525								
1530								
1535								
1540								
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: <u>YSI probe</u>	Flow Rate: _____
Laboratory: _____	Date Sent to Lab: <u>6/19/25</u>
Shipment Method: <u>dropped off</u>	Field QC Sample Number: _____

Remarks: SWC Sampled 6/19/25 @ 0938
kt purge for 15 minutes before
collecting

Signature: [Signature]

Groundwater Sampling Field Data Sheet

35 BA

Well #: MW-65

Project Number: <u>553-847-2009</u>		Date: <u>6/18/25</u>	
Project Name: <u>Yakima LPL</u>		Company Name: <u>PMX</u>	
Project Address: <u>Rocky Top</u>		Sampled By: <u>BH, JN</u>	
Casing Diameter: 2" ☐ 4" ☐ 6" ☐ Other ☐			
Initial Depth to Water (feet below TOC): <u>170.41</u>		Purge Rate Measurement Method: <u>graduated cylinder</u>	
Top of Screen (feet bgs): <u>110</u>		Date Purged: <u>6/18/25</u>	
Bottom of Screen (feet bgs): <u>230</u>		Purge Time (from/to): <u>1245 - 1310</u>	
Reference Point (surveyor's notch, etc.): _____		Time Sampled: <u>1310</u>	

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
<u>Initial</u>								
<u>1245</u>	<u>170.39</u>	<u>7.55</u>	<u>651</u>	<u>15.4</u>	<u>220.3</u>	<u>8.8</u>	<u>2.32</u>	<u>40/20</u>
<u>1250</u>		<u>6.95</u>	<u>666</u>	<u>14.7</u>	<u>232.9</u>	<u>5.84</u>	<u>2.90</u>	<u>11</u>
<u>1255</u>		<u>6.91</u>	<u>670</u>	<u>14.9</u>	<u>237.9</u>	<u>5.47</u>	<u>2.93</u>	<u>11</u>
<u>1300</u>	<u>171.02</u>	<u>6.89</u>	<u>672</u>	<u>14.9</u>	<u>243.1</u>	<u>5.43</u>	<u>2.81</u>	<u>11</u>
<u>1305</u>	<u>170.97</u>	<u>6.87</u>	<u>669</u>	<u>14.7</u>	<u>242.6</u>	<u>5.39</u>	<u>2.64</u>	<u>"</u>
<u>1310</u>								
<u>1315</u>								
<u>1320</u>								
<u>1325</u>								
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: <u>1/2" Probe</u>	Flow Rate: <u>430 ML/min</u>
Laboratory: _____	Date Sent to Lab: <u>6/19/25</u>
Shipment Method: <u>dropped off</u>	Field QC Sample Number: <u>MW-135</u>

Remarks: DUP, MW-13S-_____ collected here, at: 0800

Signature: [Signature]

Groundwater Sampling Field Data Sheet

Well #: 45

Project Number:	<u>553-847-209</u>	Date:	<u>6/18/25</u>
Project Name:	<u>Yakima LPL</u>	Company Name:	<u>PMX</u>
Project Address:	<u>Rocky Top</u>	Sampled By:	<u>BA, SN</u>

Casing Diameter: 2" ☐ 4" ☐ 6" ☐ Other ☐

Initial Depth to Water (feet):	<u>34.73</u>	Purge Rate Measurement Method:	<u>graduated cylinder</u>
Depth of Well (feet):		Date Purged:	<u>6/18/25</u>
Top of Screen (feet):		Purge Time (from/to):	<u>0955-1035</u>
Reference Point (surveyor's notch, etc.):		Time Sampled:	<u>1040</u>

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
<u>Initial</u>								
<u>0955</u>	<u>35.23</u>	<u>6.87</u>	<u>1244</u>	<u>14.1</u>	<u>299.3</u>	<u>5.3</u>	<u>14.17</u>	<u>1010</u>
<u>1000</u>		<u>6.79</u>	<u>1234</u>	<u>13.4</u>	<u>263.3</u>	<u>6.84</u>	<u>6.84</u>	<u>"</u>
<u>1005</u>		<u>6.76</u>	<u>1232</u>	<u>14.1</u>	<u>268.9</u>	<u>4.84</u>	<u>18.82</u>	<u>"</u>
<u>1010</u>		<u>6.74</u>	<u>1228</u>	<u>14.5</u>	<u>273.2</u>	<u>4.12</u>	<u>32.17</u>	<u>"</u>
<u>1015</u>	<u>35.00</u>	<u>6.75</u>	<u>1258</u>	<u>14.5</u>	<u>271.4</u>	<u>4.42</u>	<u>40.20</u>	<u>30.94</u>
<u>1020</u>	<u>35.26</u>	<u>6.74</u>	<u>1217</u>	<u>13.5</u>	<u>283.3</u>	<u>5.01</u>	<u>38.04</u>	<u>43.50</u>
<u>1025</u>	<u>35.32</u>	<u>6.72</u>	<u>1215</u>	<u>13.5</u>	<u>286.4</u>	<u>5.04</u>	<u>46.60</u>	
<u>1030</u>		<u>6.72</u>	<u>1207</u>	<u>13.4</u>	<u>288.6</u>	<u>4.96</u>	<u>49.96</u>	
<u>1035</u>								
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

40 PSI
"
"
"

Purge Equipment:	<u>51 Probe</u>	Flow Rate:	<u>750</u>
Laboratory:		Date Sent to Lab:	<u>6/19/25</u>
Shipment Method	<u>dropped off</u>	Field QC Sample Number:	<u>N/A</u>

Remarks:

Carlini get flow rate under 500 → Carlini low pressure any further

Signature: Bruce Kuo

Groundwater Sampling Field Data Sheet

Well #: **MW-5S**

Project Number: <u>553-847-204</u>		Date: <u>6/17/25</u>	
Project Name: <u>Yakima LPL</u>		Company Name: <u>PMX</u>	
Project Address: <u>Rocky Top</u>		Sampled By: <u>BH</u>	

Casing Diameter: <u>2"</u> <u>4"</u> <u>6"</u> Other _____
--

Initial Depth to Water (feet below TOC): <u>217</u>	Purge Rate Measurement Method: <u>graduated cylinder</u>
Top of Screen (feet bgs): <u>222</u>	Date Purged: <u>6/17/25</u>
Bottom of Screen (feet bgs): <u>243</u>	Purge Time (from/to): <u>1105 - 1135</u>
Reference Point (surveyor's notch, etc.): _____	Time Sampled: <u>1145</u>

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial						9.25		
1100 1105	<u>217.5</u>	<u>7.22</u>	<u>410</u>	<u>16.1</u>	<u>286.4</u>	<u>9.25</u>	<u>8.00</u>	<u>40/20</u>
1110	<u>"</u>	<u>7.52</u>	<u>762</u>	<u>14.6</u>	<u>-105.9</u>	<u>1.71</u>	<u>4.91</u>	<u>40/20</u>
1115	<u>"</u>	<u>7.60</u>	<u>759</u>	<u>14.6</u>	<u>-136.1</u>	<u>1.63</u>	<u>4.06</u>	<u>"</u>
1120	<u>"</u>	<u>7.63</u>	<u>711.2</u>	<u>14.8</u>	<u>-136.7</u>	<u>0.94</u>	<u>6.32</u>	<u>"</u>
1125	<u>"</u>	<u>7.53</u>	<u>420.4</u>	<u>14.8</u>	<u>-89.2</u>	<u>2.85</u>	<u>7.5</u>	<u>"</u>
1130	<u>"</u>	<u>7.51</u>	<u>408</u>	<u>14.6</u>	<u>-68.5</u>	<u>2.3</u>	<u>3685</u>	<u>"</u>
1135	<u>"</u>	<u>7.49</u>	<u>403.2</u>	<u>14.7</u>	<u>-60.4</u>	<u>2.27</u>	<u>4094</u>	<u>"</u>
1140								
1145								
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: <u>TSI Probe</u>	Flow Rate: _____
Laboratory: _____	Date Sent to Lab: <u>6/19/25</u>
Shipment Method: <u>dropped off</u>	Field QC Sample Number: _____

Remarks:

Used non PFAS-safe water-level by accident
Will note on sample bottles

* This sealed to > 1500 then hauled around 300

Signature: [Signature]



Debris to Green
Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-6S**

Project Number: <u>553-847-2009</u>		Date: <u>6/18/25</u>	
Project Name: <u>Yakima LPL</u>		Company Name: <u>PMX</u>	
Project Address: <u>Rocky Top</u>		Sampled By: <u>BA, SN</u>	

Casing Diameter: <u>2"</u> <u>4"</u> <u>6"</u> Other _____
--

Initial Depth to Water (feet below TOC): <u>95.16</u>	Purge Rate Measurement Method: <u>graduated cylinder</u>
Top of Screen (feet bgs): <u>110</u>	Date Purged: <u>6/18/25</u>
Bottom of Screen (feet bgs): <u>130</u>	Purge Time (from/to): <u>1110 - 1125</u>
Reference Point (surveyor's notch, etc.): _____	Time Sampled: <u>1125</u>

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
<u>Initial</u>								
<u>1110</u>	<u>95.51</u>	<u>7.20</u>	<u>621</u>	<u>13.2</u>	<u>202.9</u>	<u>4.33</u>	<u>2.52</u>	<u>11/9</u>
<u>1115</u>		<u>7.04</u>	<u>621</u>	<u>12.9</u>	<u>202.8</u>	<u>4.69</u>	<u>2.54</u>	<u>11/9</u>
<u>1120</u>	<u>98</u>	<u>7.02</u>	<u>591</u>	<u>13.2</u>	<u>202.7</u>	<u>4.38</u>	<u>2.51</u>	<u>11</u>
<u>1125</u>								
<u>1130</u>								
<u>1135</u>								
<u>1140</u>								
<u>1145</u>								
<u>1150</u>								
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: <u>YSI Probe</u>	Flow Rate: <u>500 mL/min</u>
Laboratory: _____	Date Sent to Lab: <u>6/19/25</u>
Shipment Method: <u>dropped off</u>	Field QC Sample Number: <u>N/A</u>

Remarks: ~~DUP MW 17S~~ collected here, at:

Final level - 98.2

Signature: Bruce J. Huns

Groundwater Sampling Field Data Sheet

Well #: **MW-7D**

Project Number: <u>553 - 8472-09</u>		Date: <u>6/17/25</u>	
Project Name: <u>Yakima LPL</u>		Company Name: <u>PMX</u>	
Project Address: <u>Rocky Top</u>		Sampled By: <u>BH, SN</u>	

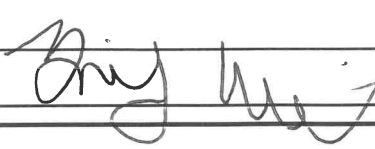
Casing Diameter: <u>2"</u> <u>4"</u> <u>6"</u> Other _____
Initial Depth to Water (feet below TOC): <u>285.3 288 BX</u>
Purge Rate Measurement Method: <u>graduated cylinder</u>
Top of Screen (feet bgs): <u>475</u>
Date Purged: <u>6/17/25</u>
Bottom of Screen (feet bgs): <u>495</u>
Purge Time (from/to): <u>1325 - 1356</u>
Reference Point (surveyor's notch, etc.): _____
Time Sampled: <u>1356</u>

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial	—	—	144.5	—	—	—	—	—
1325	—	7.9	151	15.9	60.8	9.25	2.04	40/35
1330	—	7.36	194.9	15.2	86.3	8.68	2.75	"
1335	—	7.31	196.1	16.1	-4.5	4.72	2.12	"
1340	—	7.53	194.8	16.1	-20.1	1.32	1.48	"
1345	—	7.56	194.7	16	-79	0.88	0.45	—
1350	—	7.55	194.5	15.9	-82	0.73	1.48	—
1355	—	7.54	194.5	16.0	-87.2	0.6	1.41	—
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: <u>YSI Probe</u>	Flow Rate: <u>475 mL/min</u>
Laboratory: _____	Date Sent to Lab: <u>6/19/25</u>
Shipment Method: <u>dropped off</u>	Field QC Sample Number: _____

Remarks:

water meter getting stuck - can't get reading

Signature: 

Groundwater Sampling Field Data Sheet

Well #: **MW-8D**

Project Number: <u>553-547-2009</u>		Date: <u>6/18/25</u>	
Project Name: <u>Yakima LPL</u>		Company Name: <u>PMX</u>	
Project Address: <u>Rocky Top</u>		Sampled By: <u>BH, SN</u>	

Casing Diameter: 2" 4" 6" Other			
Initial Depth to Water (feet below TOC): <u>301.75 BH</u> <u>Can't get reading</u>		Purge Rate Measurement Method: <u>graduated cylinder</u>	
Top of Screen (feet bgs): <u>375</u>		Date Purged: <u>6/18/25</u>	
Bottom of Screen (feet bgs): <u>405</u>		Purge Time (from/to): <u>0814 - 0850</u>	
Reference Point (surveyor's notch, etc.): _____		Time Sampled: <u>0852</u>	

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
<u>Initial</u>	<u>8</u>	<u>7.64</u>	<u>300.1</u>	<u>13.9</u>	<u>234</u>	<u>1.90</u>	<u>6.61</u>	<u>30/30</u>
<u>0815</u>	<u>8</u>	<u>7.64</u>	<u>300.1</u>	<u>13.9</u>	<u>234</u>	<u>1.90</u>	<u>6.61</u>	<u>30/30</u>
<u>0820</u>	<u>8</u>	<u>7.62</u>	<u>355.3</u>	<u>14.3</u>	<u>234.6</u>	<u>5.7</u>	<u>5.78</u>	<u>"</u>
<u>0825</u>	<u>8</u>	<u>7.59</u>	<u>345.5</u>	<u>14.7</u>	<u>235</u>	<u>0.50</u>	<u>5.48</u>	<u>"</u>
<u>0830</u>	<u>8</u>	<u>7.62</u>	<u>354</u>	<u>14.8</u>	<u>234.8</u>	<u>0.49</u>	<u>5.77</u>	<u>"</u>
<u>0835</u>	<u>8</u>	<u>7.64</u>	<u>352.6</u>	<u>14.9</u>	<u>232.1</u>	<u>0.51</u>	<u>5.18</u>	<u>"</u>
<u>0840</u>	<u>8</u>	<u>7.64</u>	<u>353.3</u>	<u>14.9</u>	<u>229</u>	<u>0.47</u>	<u>6.98</u>	<u>"</u>
<u>0845</u>	<u>8</u>	<u>7.69</u>	<u>353.5</u>	<u>15.0</u>	<u>215.6</u>	<u>0.48</u>	<u>56.25</u>	<u>"</u>
<u>0850</u>	<u>8</u>	<u>7.69</u>	<u>353.5</u>	<u>15.0</u>	<u>215.6</u>	<u>0.48</u>	<u>56.25</u>	<u>"</u>
Stabilization Criteria ± 0.1 3% 3% ± 10 mv 10%, or 3 <0.5 10%, or 3 <5.0								

Purge Equipment: <u>YSI probe</u>	Flow Rate: _____
Laboratory: _____	Date Sent to Lab: <u>6/19/25</u>
Shipment Method: <u>dropped off</u>	Field QC Sample Number: <u>N/A</u>

Remarks: Can't get depth
meter got stuck on tubing

Signature: [Signature]



Debris to Green
Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-9D**

Project Number: <u>553-847-2009</u>		Date: <u>6/18/25</u>	
Project Name: <u>Yakima LPL</u>		Company Name: <u>PMX</u>	
Project Address: <u>Rocky Top</u>		Sampled By: <u>BA, SW</u>	

Casing Diameter: <u>2"</u> <u>4"</u> <u>6"</u> Other _____
--

Initial Depth to Water (feet below TOC): <u>432.48</u>	Purge Rate Measurement Method: <u>graduated cylinder</u>
Top of Screen (feet bgs): <u>420</u>	Date Purged: <u>6/18/25</u>
Bottom of Screen (feet bgs): <u>440</u>	Purge Time (from/to): <u>BA 1405-1445</u>
Reference Point (surveyor's notch, etc.): _____	Time Sampled: <u>1450</u>

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial								
1405	<u>432.46</u>	<u>7.30</u>	<u>427.5</u>	<u>17.9</u>	<u>221.7</u>	<u>7.15</u>	<u>2.54</u>	<u>60/40</u>
1410	<u>432.93</u>	<u>7.16</u>	<u>418.8</u>	<u>16.4</u>	<u>236</u>	<u>6.98</u>	<u>2.67</u>	<u>"</u>
1415	<u>433.30</u>	<u>7.00</u>	<u>418.3</u>	<u>15.6</u>	<u>240.7</u>	<u>6.08</u>	<u>2.75</u>	<u>"</u>
1420	<u>433.59</u>	<u>6.86</u>	<u>423.9</u>	<u>15.6</u>	<u>20.6</u>	<u>6.54</u>	<u>3.03</u>	<u>"</u>
1425	<u>433.92</u>	<u>6.84</u>	<u>428</u>	<u>15.5</u>	<u>207.8</u>	<u>6.35</u>	<u>1.60</u>	<u>"</u>
1430		<u>6.82</u>	<u>430.8</u>	<u>15.8</u>	<u>171.8</u>	<u>4.73</u>	<u>0.80</u>	<u>"</u>
1435	<u>434.50</u>	<u>6.82</u>	<u>430.2</u>	<u>15.6</u>	<u>167.2</u>	<u>4.55</u>	<u>0.75</u>	
1440		<u>6.82</u>	<u>424.9</u>	<u>15.6</u>	<u>163.1</u>	<u>4.53</u>	<u>0.74</u>	
1445		<u>6.82</u>	<u>431.5</u>	<u>15.5</u>	<u>157.4</u>	<u>4.5</u>	<u>0.75</u>	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: <u>YSI probe</u>	Flow Rate: <u>390 mL/min</u>
Laboratory: _____	Date Sent to Lab: <u>6/19/25</u>
Shipment Method: <u>dropped off</u>	Field QC Sample Number: <u>N/A</u>

Remarks: accidentally listed DO in turbidity column & vice versa
Pr will correct when digitize data

Signature: [Signature]

Groundwater Sampling Field Data Sheet

Well #: **MW-10D**

Project Number: <u>553-847-2009</u>		Date: <u>6/19/25</u>	
Project Name: <u>Yakima LPL</u>		Company Name: <u>PMX</u>	
Project Address: <u>Rocky Top</u>		Sampled By: <u>BH, JN</u>	

Casing Diameter: <u>2"</u> <u>4"</u> <u>6"</u> Other _____
--

Initial Depth to Water (feet below TOC): <u>79.96</u>	Purge Rate Measurement Method: <u>graduated cylinder</u>
Top of Screen (feet bgs): <u>147</u>	Date Purged: <u>6/19/25</u>
Bottom of Screen (feet bgs): <u>167</u>	Purge Time (from/to): <u>0752-0808</u>
Reference Point (surveyor's notch, etc.): _____	Time Sampled: <u>0810</u>

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
<u>Initial</u>								
<u>0752</u>	<u>79.96</u>	<u>6.42</u>	<u>236.4</u>	<u>14.6</u>	<u>338.1</u>	<u>9.28</u>	<u>2.95</u>	<u>20/10 90 PSI</u>
<u>0757</u>	<u>81.6</u>	<u>6.76</u>	<u>236.5</u>	<u>14.4</u>	<u>316.4</u>	<u>9.43</u>	<u>2.76</u>	<u>"</u>
<u>0802</u>	<u>81.32</u>	<u>6.83</u>	<u>236.4</u>	<u>14.4</u>	<u>311.5</u>	<u>6.88</u>	<u>2.80</u>	<u>"</u>
<u>0807</u>	<u>81.70</u>	<u>6.88</u>	<u>237</u>	<u>14.4</u>	<u>316.4</u>	<u>6.21</u>	<u>2.89</u>	<u>"</u>
<u>0812</u>	_____	_____	_____	_____	_____	_____	_____	_____
<u>0817</u>	_____	_____	_____	_____	_____	_____	_____	_____
<u>0822</u>	_____	_____	_____	_____	_____	_____	_____	_____
<u>0827</u>	_____	_____	_____	_____	_____	_____	_____	_____
<u>0832</u>	_____	_____	_____	_____	_____	_____	_____	_____
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: <u>VSI probe</u>	Flow Rate: <u>475 mL/min</u>
Laboratory: <u>AB</u>	Date Sent to Lab: <u>6/19/25</u>
Shipment Method: <u>dropped off</u>	Field QC Sample Number: <u>N/A</u>

Remarks:

Signature: [Signature]

Field Data Sheet

Well #: Leachate Pond

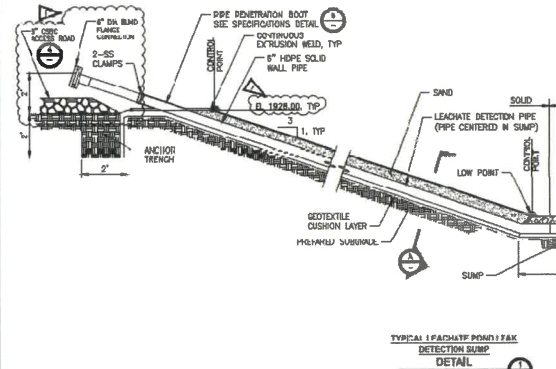
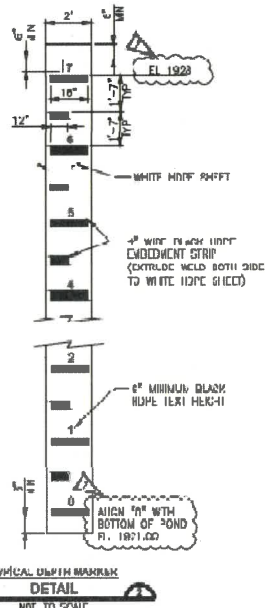
Project Number: _____	Date: <u>6/19/25</u>
Project Name: <u>Yakima LPL</u>	Client Name <u>DTG Recycle</u>
Project Address: <u>41 Rocky Top Road</u> <u>Yakima, WA</u>	Measured By: <u>BH, SN</u>

TIME (2400 hr) <u>0831</u>	Depth to Water from top of Cleanout Pipe (ft) <u>0ft (dry)</u>	Depth of Water in Leachate Pond (ft) <u>3.75ft</u>
--	--	--

Remarks:

Top 1928 ft, bottom 1921 ft; approximate length of pipe 22 ft (3:1)

Pond design:

Attachment B

Laboratory Analytical Reports



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 27, 2025

Laura Lee
Parametrix, Inc.
719 2nd Avenue, Suite 200
Seattle, WA 98104

Re: Analytical Data for Project 553-8472-009
Laboratory Reference No. 2506-263

Dear Laura:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal line extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

Case Narrative

Samples were collected on June 17, 18 and 19, 2025 and received by the laboratory on June 19, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Volatiles EPA 8260D Analysis

The percent recovery for Methylene Chloride is outside the control limits in the Spike Blank and Spike Blank Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: June 27, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-263
 Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-2S					
Laboratory ID:	06-263-01					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-2S					
Laboratory ID:	06-263-01					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-117</i>				



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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3S					
Laboratory ID:	06-263-02					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3S					
Laboratory ID:	06-263-02					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-117</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-4S					
Laboratory ID:	06-263-03					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-4S					
Laboratory ID:	06-263-03					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-117</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5S					
Laboratory ID:	06-263-04					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5S					
Laboratory ID:	06-263-04					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-117</i>				



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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6S					
Laboratory ID:	06-263-05					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6S					
Laboratory ID:	06-263-05					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-117</i>				



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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-13S					
Laboratory ID:	06-263-06					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-13S					
Laboratory ID:	06-263-06					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>78-117</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-7D					
Laboratory ID:	06-263-07					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-7D					
Laboratory ID:	06-263-07					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-117</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-8D					
Laboratory ID:	06-263-08					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-8D					
Laboratory ID:	06-263-08					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-117</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-9D					
Laboratory ID:	06-263-09					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-9D					
Laboratory ID:	06-263-09					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>78-117</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10D					
Laboratory ID:	06-263-10					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10D					
Laboratory ID:	06-263-10					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>78-117</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Trip Blanks					
Laboratory ID:	06-263-11					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Trip Blanks					
Laboratory ID:	06-263-11					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>78-117</i>				



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 QUALITY CONTROL**

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0623W1					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0623W1					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-117</i>				



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QUALITY CONTROL
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Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0623W1									
	SB	SBD	SB	SBD	SB	SBD				
Chloromethane	8.62	8.30	10.0	10.0	86	83	38-141	4	31	
Vinyl Chloride	9.65	9.27	10.0	10.0	97	93	67-131	4	16	
Bromomethane	9.74	9.52	10.0	10.0	97	95	30-155	2	34	
Chloroethane	11.0	10.6	10.0	10.0	110	106	63-130	4	18	
Trichlorofluoromethane	9.96	9.88	10.0	10.0	100	99	80-131	1	17	
1,1-Dichloroethene	11.3	10.9	10.0	10.0	113	109	77-125	4	15	
Acetone	10.8	8.79	10.0	10.0	108	88	45-135	21	24	
Iodomethane	8.25	8.64	10.0	10.0	83	86	27-146	5	33	
Carbon Disulfide	10.0	10.0	10.0	10.0	100	100	41-150	0	19	
Methylene Chloride	13.0	13.6	10.0	10.0	130	136	66-123	5	15	I,I
(trans) 1,2-Dichloroethene	11.5	11.3	10.0	10.0	115	113	76-126	2	15	
1,1-Dichloroethane	11.4	11.1	10.0	10.0	114	111	75-126	3	15	
Vinyl Acetate	10.4	10.9	10.0	10.0	104	109	57-139	5	15	
(cis) 1,2-Dichloroethene	11.6	11.4	10.0	10.0	116	114	77-129	2	15	
2-Butanone	10.6	10.6	10.0	10.0	106	106	62-129	0	17	
Bromochloromethane	11.1	10.8	10.0	10.0	111	108	72-129	3	19	
Chloroform	11.6	11.1	10.0	10.0	116	111	72-125	4	15	
1,1,1-Trichloroethane	11.3	11.0	10.0	10.0	113	110	79-127	3	15	
Carbon Tetrachloride	11.2	11.0	10.0	10.0	112	110	78-131	2	15	
Benzene	11.2	10.8	10.0	10.0	112	108	75-126	4	15	
1,2-Dichloroethane	11.6	11.1	10.0	10.0	116	111	74-128	4	15	
Trichloroethene	12.2	11.8	10.0	10.0	122	118	80-130	3	15	
1,2-Dichloropropane	11.7	11.1	10.0	10.0	117	111	80-124	5	15	
Dibromomethane	11.7	11.3	10.0	10.0	117	113	80-131	3	15	
Bromodichloromethane	11.8	11.5	10.0	10.0	118	115	81-131	3	15	
(cis) 1,3-Dichloropropene	11.8	11.7	10.0	10.0	118	117	74-136	1	15	
Methyl Isobutyl Ketone	10.7	10.9	10.0	10.0	107	109	67-132	2	15	
Toluene	11.2	10.9	10.0	10.0	112	109	75-127	3	15	
(trans) 1,3-Dichloropropene	10.5	10.6	10.0	10.0	105	106	69-137	1	15	
1,1,2-Trichloroethane	10.5	10.0	10.0	10.0	105	100	80-122	5	15	
Tetrachloroethene	10.5	10.3	10.0	10.0	105	103	80-130	2	20	
2-Hexanone	9.08	9.49	10.0	10.0	91	95	67-130	4	19	
Dibromochloromethane	11.0	10.9	10.0	10.0	110	109	58-149	1	32	



Date of Report: June 27, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-263
 Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
 page 2 of 2

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0623W1									
	SB	SBD	SB	SBD	SB	SBD				
1,2-Dibromoethane	10.5	10.3	10.0	10.0	105	103	82-127	2	15	
Chlorobenzene	10.5	10.3	10.0	10.0	105	103	80-120	2	15	
1,1,1,2-Tetrachloroethane	10.7	10.4	10.0	10.0	107	104	80-127	3	15	
Ethylbenzene	10.7	10.5	10.0	10.0	107	105	80-124	2	15	
m,p-Xylene	21.1	20.7	20.0	20.0	106	104	80-124	2	15	
o-Xylene	10.7	10.6	10.0	10.0	107	106	80-123	1	15	
Styrene	10.9	10.6	10.0	10.0	109	106	82-125	3	15	
Bromoform	9.82	9.78	10.0	10.0	98	98	66-136	0	15	
1,1,2,2-Tetrachloroethane	9.93	9.35	10.0	10.0	99	94	78-124	6	15	
1,2,3-Trichloropropane	9.37	9.38	10.0	10.0	94	94	67-123	0	15	
1,4-Dichlorobenzene	9.92	9.93	10.0	10.0	99	99	78-123	0	15	
1,2-Dichlorobenzene	10.2	10.0	10.0	10.0	102	100	79-125	2	15	
1,2-Dibromo-3-chloropropane	10.0	9.42	10.0	10.0	100	94	62-133	6	17	
Naphthalene	8.39	8.57	10.0	10.0	84	86	55-132	2	23	
Surrogate:										
Dibromofluoromethane					104	107	68-133			
Toluene-d8					111	112	79-123			
4-Bromofluorobenzene					109	109	78-117			



Date of Report: June 27, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-263
 Project: 553-8472-009

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-2S					
Laboratory ID:	06-263-01					
Gasoline	ND	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	105	62-122				
Client ID:	MW-3S					
Laboratory ID:	06-263-02					
Gasoline	ND	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	105	62-122				
Client ID:	MW-4S					
Laboratory ID:	06-263-03					
Gasoline	ND	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	103	62-122				
Client ID:	MW-5S					
Laboratory ID:	06-263-04					
Gasoline	ND	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	103	62-122				
Client ID:	MW-6S					
Laboratory ID:	06-263-05					
Gasoline	ND	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	105	62-122				
Client ID:	MW-13S					
Laboratory ID:	06-263-06					
Gasoline	ND	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	105	62-122				
Client ID:	Trip Blanks					
Laboratory ID:	06-263-11					
Gasoline	ND	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	108	62-122				



Date of Report: June 27, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-263
 Project: 553-8472-009

**GASOLINE RANGE ORGANICS
 NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0624W2					
Gasoline	ND	100	NWTPH-Gx	6-24-25	6-24-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	105	62-122				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-263-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				105	98	62-122		



Date of Report: June 27, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-263
 Project: 553-8472-009

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-2S					
Laboratory ID:	06-263-01					
Diesel Range Organics	ND	0.21	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	ND	0.21	NWTPH-Dx	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	124	50-150				

Client ID:	MW-3S					
Laboratory ID:	06-263-02					
Diesel Range Organics	ND	0.21	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	ND	0.21	NWTPH-Dx	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	121	50-150				

Client ID:	MW-4S					
Laboratory ID:	06-263-03					
Diesel Range Organics	ND	0.20	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	114	50-150				

Client ID:	MW-5S					
Laboratory ID:	06-263-04					
Diesel Range Organics	ND	0.21	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	ND	0.21	NWTPH-Dx	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Client ID:	MW-6S					
Laboratory ID:	06-263-05					
Diesel Range Organics	ND	0.20	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	110	50-150				

Client ID:	MW-13S					
Laboratory ID:	06-263-06					
Diesel Range Organics	ND	0.21	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	ND	0.21	NWTPH-Dx	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				



Date of Report: June 27, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-263
 Project: 553-8472-009

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0623W1					
Diesel Range Organics	ND	0.16	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	ND	0.16	NWTPH-Dx	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	06-251-20									
	ORIG	DUP								
Diesel Range Organics	0.210	0.188	NA	NA		NA	NA	11	40	
Lube Oil Range Organics	0.255	0.267	NA	NA		NA	NA	5	40	
Surrogate:										
o-Terphenyl						118	114	50-150		





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Results Report For:

OnSite Environmental, Inc.

Project:

Parametrix DTG Yakima

Anatek Work Order:

YFF0490

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Client: OnSite Environmental, Inc.
Address: 14648 NE. 95th St.
Redmond, WA 98052
Attn: David Baumeister

Work Order: YFF0490
Project: Parametrix DTG Yakima
Reported: 6/19/2025 13:58

Analytical Results Report

Sample Location: MW-2S
Lab/Sample Number: YFF0490-01 **Collect Date:** 06/17/25 15:24
Date Received: 06/17/25 16:20 **Collected By:** Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.686	mg/L	0.200	6/19/25 8:53	DRA	Hach 10206	

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Sample Location: MW-5S
Lab/Sample Number: YFF0490-02 Collect Date: 06/17/25 11:45
Date Received: 06/17/25 16:20 Collected By: Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	ND	mg/L	0.200	6/19/25 8:53	DRA	Hach 10206	

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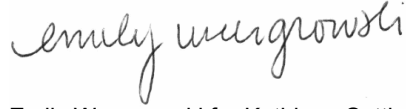
Sample Location: MW-7D
Lab/Sample Number: YFF0490-03 Collect Date: 06/17/25 13:56
Date Received: 06/17/25 16:20 Collected By: Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	ND	mg/L	0.200	6/19/25 8:53	DRA	Hach 10206	

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Authorized Signature,



Emily Wengrowski for Kathleen Sattler, Lab Manager

PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte

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Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------

Batch: BFF0912 - Y Hach Vial

Blank (BFF0912-BLK1)

Nitrate as N ND 0.200 mg/L Prepared: 06/19/25 08:38- Analyzed: 06/19/25 08:53

LCS (BFF0912-BS1)

Nitrate as N 5.05 0.200 mg/L 5.00 101 90-110 Prepared: 06/19/25 08:38- Analyzed: 06/19/25 08:53

Matrix Spike (BFF0912-MS1)

Nitrate as N 4.94 0.400 mg/L 5.00 ND 98.8 80-120 Source: YFF0490-03 Prepared: 06/19/25 08:38- Analyzed: 06/19/25 08:53

Matrix Spike Dup (BFF0912-MSD1)

Nitrate as N 5.12 0.400 mg/L 5.00 ND 102 80-120 3.58 20 Source: YFF0490-03 Prepared: 06/19/25 08:38- Analyzed: 06/19/25 08:53

Chain of Custody Record

Ana
1282 Alturas Drive,
504 E Sprague Ste D,

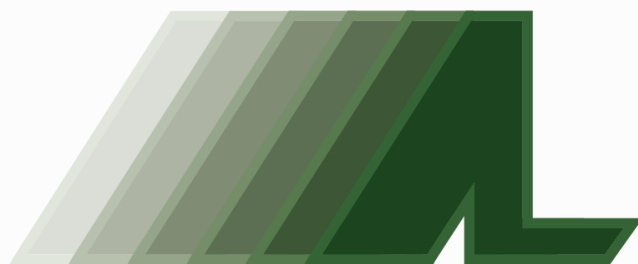
YFF0490



Due: 07/02/25

[illegible]

Samples submitted to Anatek Labs may be subcontracted to other accredited labs if necessary. This message serves as notice of this possibility. Subcontracted analyses will be clearly noted on the analytical report.



ANATEK LABS

Analytical Results Report For:

OnSite Environmental, Inc.

Project:

Parametrix DTG Yakima

Anatek Work Order:

YFF0508

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Client: OnSite Environmental, Inc.
Address: 14648 NE. 95th St.
Redmond, WA 98052
Attn: David Baumeister

Work Order: YFF0508
Project: Parametrix DTG Yakima
Reported: 6/25/2025 09:23

Analytical Results Report

Sample Location: MW-3S
Lab/Sample Number: YFF0508-01 **Collect Date:** 06/18/25 13:10
Date Received: 06/19/25 10:31 **Collected By:** Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	12.0	mg/L	0.200	6/20/25 8:56	GIS	Hach 10206	

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Sample Location: MW-4S
Lab/Sample Number: YFF0508-02 Collect Date: 06/18/25 10:40
Date Received: 06/19/25 10:31 Collected By: Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	78.2	mg/L	0.200	6/20/25 8:56	GIS	Hach 10206	

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Sample Location: MW-6S
Lab/Sample Number: YFF0508-03 Collect Date: 06/18/25 11:25
Date Received: 06/19/25 10:31 Collected By: Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	11.8	mg/L	0.200	6/20/25 8:56	GIS	Hach 10206	

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Sample Location: MW-13S
Lab/Sample Number: YFF0508-04 Collect Date: 06/18/25 08:00
Date Received: 06/19/25 10:31 Collected By: Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	12.1	mg/L	0.200	6/20/25 8:00	GIS	Hach 10206	

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Sample Location: MW-8D
Lab/Sample Number: YFF0508-05 Collect Date: 06/18/25 08:52
Date Received: 06/19/25 10:31 Collected By: Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.58	mg/L	0.200	6/20/25 8:46	GIS	Hach 10206	

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Sample Location: MW-9D
Lab/Sample Number: YFF0508-06 Collect Date: 06/18/25 14:50
Date Received: 06/19/25 10:31 Collected By: Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.64	mg/L	0.200	6/20/25 8:56	GIS	Hach 10206	

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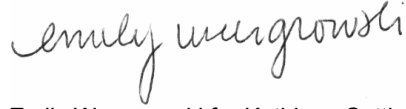
Sample Location: MW-10D
Lab/Sample Number: YFF0508-07 Collect Date: 06/19/25 08:10
Date Received: 06/19/25 10:31 Collected By: Brianna Hines
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.64	mg/L	0.200	6/20/25 8:56	GIS	Hach 10206	

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Authorized Signature,



Emily Wengrowski for Kathleen Sattler, Lab Manager

PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte

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Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------

Batch: BFF1020 - Y Hach Vial

Blank (BFF1020-BLK1)

Nitrate as N ND 0.200 mg/L Prepared: 06/20/25 08:41- Analyzed: 06/20/25 08:56

LCS (BFF1020-BS1)

Nitrate as N 5.18 0.200 mg/L 5.00 104 90-110 Prepared: 06/20/25 08:41- Analyzed: 06/20/25 08:56

Matrix Spike (BFF1020-MS1)

Nitrate as N 16.9 0.400 mg/L 5.00 12.0 98.0 80-120 Source: YFF0508-01 Prepared: 06/20/25 08:41- Analyzed: 06/20/25 08:56

Matrix Spike Dup (BFF1020-MSD1)

Nitrate as N 16.8 0.400 mg/L 5.00 12.0 96.4 80-120 0.474 20 Source: YFF0508-01 Prepared: 06/20/25 08:41- Analyzed: 06/20/25 08:56



Chain of Custody Record

1282 Alturas Dr
504 E Sprague St

YFF0508



Due: 07/03/25

Company Name: OnSite Environmental (Parametrix)				Project Manager: David Baumeister			
Address: 14648 NE 95th Street				Project Name & #: Parametrix DTG Yakima			
City: Redmond		State: WA		Zip: 98052		Purchase Order #:	
Phone: 425-883-3881				Sampler Name & Phone:			
Email Address(es): dbaumeister@onsite-env.com							

				List Analyses Requested										Note Special Instructions/Comments				
Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative: # of Containers	Sample Volume	Nitrate												
	MW-2S		Water	1		X												
	MW-3S	6/18/25 1310	Water	2		X												
	MW-4S	6/18 1040	Water	1		X												
	MW-5S		Water	1		X												
	MW-6S	6/18 1125	Water	1		X												
	MW-13S	6/18 0800	Water	1		X												
	MW-7D		Water	1		X												
	MW-8D	6/18 0552	Water	1		X												
	MW-9D	6/18 1450	Water	1		X												
	MW-10D		Water	1		X												
	MW-10D	6/19 0810	Water	1		X												

				Inspection Checklist			
Relinquished by	Printed Name	Signature	Company	Date	Time	Received Intact? <u>Y</u> N	
Received by						Labels & Chains Agree? <u>Y</u> N	
Relinquished by						Containers Sealed? <u>Y</u> <u>N</u>	
Received by						No VOC Head Space? <u>Y</u> N	
Relinquished by						Cooler? <u>Y</u> N	
Received by						Ice/Ice Packs Present? <u>Y</u> N	
Temperature (°C): <u>0.5-0 / 0.7-C Dig 16</u>						Number of Containers: <u>7</u>	
Shipped Via: <u>hand</u>						Preservative: _____	
Date & Time: <u>6/19/25 1031</u>						Inspected By: <u>aa</u>	

Samples submitted to Anatek Labs may be subcontracted to other accredited labs if necessary. This message serves as notice of this possibility. Subcontracted analyses will be clearly noted on the analytical report.



Onsite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3861 • www.onsite-env.com

Chain of Custody

Company: **Parametrix**

Project Number: **553-8472-009**

Project Name: **Rocky Top Environmental LPL**

Project Manager: **Laura Lee, Mike Brady**

Sampled by: **Hives & Nguyen**

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Days ☐ 3 Days

☒ Standard (7 Days)
(TPH analysis 5 Days)

☐ (other)

Laboratory Number: **06-263**

Number of Containers

VOCs (8260D – WAC 173-351 Appendix I)
Naphthalene; SIM-VC and 1,2-EDB

NWTPH-Gx

NWTPH-Dx

Nitrate

~~MS/MSD~~ **No. 23**

% Moisture

Lab ID	Sample Identification	Date		Matrix	Numb																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Sampled	Time Sampled			VOCs	Naphth	NWTP	NWTP	FIN	MS/MS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		



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14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 15, 2025

Laura Lee
Parametrix, Inc.
719 2nd Avenue, Suite 200
Seattle, WA 98104

Re: Analytical Data for Project 553-8472-010
Laboratory Reference No. 2506-264

Dear Laura:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal line extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-264
Project: 553-8472-010

Case Narrative

Samples were collected on June 17, 18 and 19, 2025 and received by the laboratory on June 19, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3S					
Laboratory ID:	06-264-02					
n-Nitrosodimethylamine	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Pyridine	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Phenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Aniline	ND	4.9	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethyl)ether	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2-Chlorophenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
1,3-Dichlorobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
1,4-Dichlorobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Benzyl alcohol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
1,2-Dichlorobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2-Methylphenol (o-Cresol)	ND	0.98	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroisopropyl)ether	ND	0.98	EPA 8270E	6-23-25	6-24-25	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.98	EPA 8270E	6-23-25	6-24-25	
n-Nitroso-di-n-propylamine	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Hexachloroethane	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Nitrobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Isophorone	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2-Nitrophenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2,4-Dimethylphenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethoxy)methane	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2,4-Dichlorophenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
1,2,4-Trichlorobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Naphthalene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
4-Chloroaniline	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Hexachlorobutadiene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
4-Chloro-3-methylphenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2-Methylnaphthalene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
1-Methylnaphthalene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
Hexachlorocyclopentadiene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2,4,6-Trichlorophenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2,3-Dichloroaniline	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2,4,5-Trichlorophenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2-Chloronaphthalene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2-Nitroaniline	ND	0.98	EPA 8270E	6-23-25	6-24-25	
1,4-Dinitrobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Dimethylphthalate	ND	4.9	EPA 8270E	6-23-25	6-24-25	
1,3-Dinitrobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2,6-Dinitrotoluene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
1,2-Dinitrobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Acenaphthylene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
3-Nitroaniline	ND	0.98	EPA 8270E	6-23-25	6-24-25	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3S					
Laboratory ID:	06-264-02					
2,4-Dinitrophenol	ND	4.9	EPA 8270E	6-23-25	6-24-25	
Acenaphthene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
4-Nitrophenol	ND	4.9	EPA 8270E	6-23-25	6-24-25	
2,4-Dinitrotoluene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Dibenzofuran	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2,3,5,6-Tetrachlorophenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
2,3,4,6-Tetrachlorophenol	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Diethylphthalate	ND	4.9	EPA 8270E	6-23-25	6-24-25	
4-Chlorophenyl-phenylether	ND	0.98	EPA 8270E	6-23-25	6-24-25	
4-Nitroaniline	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Fluorene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
4,6-Dinitro-2-methylphenol	ND	4.9	EPA 8270E	6-23-25	6-24-25	
n-Nitrosodiphenylamine	ND	0.98	EPA 8270E	6-23-25	6-24-25	
1,2-Diphenylhydrazine	ND	0.98	EPA 8270E	6-23-25	6-24-25	
4-Bromophenyl-phenylether	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Hexachlorobenzene	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Pentachlorophenol	ND	4.9	EPA 8270E	6-23-25	6-24-25	
Phenanthrene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
Anthracene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
Carbazole	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Di-n-butylphthalate	ND	4.9	EPA 8270E	6-23-25	6-24-25	
Fluoranthene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
Pyrene	ND	0.098	EPA 8270E/SIM	6-23-25	6-23-25	
Butylbenzylphthalate	ND	4.9	EPA 8270E	6-23-25	6-24-25	
bis-2-Ethylhexyladipate	ND	4.9	EPA 8270E	6-23-25	6-24-25	
3,3'-Dichlorobenzidine	ND	0.98	EPA 8270E	6-23-25	6-24-25	
Benzo[a]anthracene	ND	0.0098	EPA 8270E/SIM	6-23-25	6-23-25	
Chrysene	ND	0.0098	EPA 8270E/SIM	6-23-25	6-23-25	
bis(2-Ethylhexyl)phthalate	ND	4.9	EPA 8270E	6-23-25	6-24-25	
Di-n-octylphthalate	ND	4.9	EPA 8270E	6-23-25	6-24-25	
Benzo[b]fluoranthene	ND	0.0098	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo(j,k)fluoranthene	ND	0.0098	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[a]pyrene	ND	0.0098	EPA 8270E/SIM	6-23-25	6-23-25	
Indeno[1,2,3-cd]pyrene	ND	0.0098	EPA 8270E/SIM	6-23-25	6-23-25	
Dibenz[a,h]anthracene	ND	0.0098	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[g,h,i]perylene	ND	0.0098	EPA 8270E/SIM	6-23-25	6-23-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	45	14 - 80				
Phenol-d6	34	10 - 75				
Nitrobenzene-d5	73	27 - 108				
2-Fluorobiphenyl	73	37 - 103				
2,4,6-Tribromophenol	77	35 - 123				
Terphenyl-d14	81	47 - 115				



Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-4S					
Laboratory ID:	06-264-03					
n-Nitrosodimethylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Pyridine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Phenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Aniline	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethyl)ether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Chlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,3-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,4-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Benzyl alcohol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Methylphenol (o-Cresol)	ND	0.95	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroisopropyl)ether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.95	EPA 8270E	6-23-25	6-24-25	
n-Nitroso-di-n-propylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachloroethane	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Nitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Isophorone	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Nitrophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4-Dimethylphenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethoxy)methane	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4-Dichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2,4-Trichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Naphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4-Chloroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachlorobutadiene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Chloro-3-methylphenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
1-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Hexachlorocyclopentadiene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4,6-Trichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3-Dichloroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4,5-Trichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Chloronaphthalene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,4-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Dimethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
1,3-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,6-Dinitrotoluene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Acenaphthylene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
3-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-4S					
Laboratory ID:	06-264-03					
2,4-Dinitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Acenaphthene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4-Nitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
2,4-Dinitrotoluene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Dibenzofuran	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3,5,6-Tetrachlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3,4,6-Tetrachlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Diethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
4-Chlorophenyl-phenylether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Fluorene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
n-Nitrosodiphenylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Diphenylhydrazine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Bromophenyl-phenylether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Pentachlorophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Phenanthrene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Anthracene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Carbazole	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Di-n-butylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Fluoranthene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Pyrene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Butylbenzylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis-2-Ethylhexyladipate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
3,3'-Dichlorobenzidine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Benzo[a]anthracene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Chrysene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
bis(2-Ethylhexyl)phthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Di-n-octylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Benzo[b]fluoranthene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo(j,k)fluoranthene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[a]pyrene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Indeno[1,2,3-cd]pyrene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Dibenz[a,h]anthracene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[g,h,i]perylene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	46	14 - 80				
Phenol-d6	35	10 - 75				
Nitrobenzene-d5	73	27 - 108				
2-Fluorobiphenyl	75	37 - 103				
2,4,6-Tribromophenol	84	35 - 123				
Terphenyl-d14	83	47 - 115				



Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5S					
Laboratory ID:	06-264-04					
n-Nitrosodimethylamine	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Pyridine	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Phenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Aniline	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethyl)ether	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2-Chlorophenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
1,3-Dichlorobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
1,4-Dichlorobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Benzyl alcohol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
1,2-Dichlorobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2-Methylphenol (o-Cresol)	ND	0.97	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroisopropyl)ether	ND	0.97	EPA 8270E	6-23-25	6-24-25	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.97	EPA 8270E	6-23-25	6-24-25	
n-Nitroso-di-n-propylamine	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Hexachloroethane	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Nitrobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Isophorone	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2-Nitrophenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2,4-Dimethylphenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethoxy)methane	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2,4-Dichlorophenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
1,2,4-Trichlorobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Naphthalene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
4-Chloroaniline	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Hexachlorobutadiene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
4-Chloro-3-methylphenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2-Methylnaphthalene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
1-Methylnaphthalene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
Hexachlorocyclopentadiene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2,4,6-Trichlorophenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2,3-Dichloroaniline	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2,4,5-Trichlorophenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2-Chloronaphthalene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2-Nitroaniline	ND	0.97	EPA 8270E	6-23-25	6-24-25	
1,4-Dinitrobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Dimethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
1,3-Dinitrobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2,6-Dinitrotoluene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
1,2-Dinitrobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Acenaphthylene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
3-Nitroaniline	ND	0.97	EPA 8270E	6-23-25	6-24-25	



Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5S					
Laboratory ID:	06-264-04					
2,4-Dinitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Acenaphthene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
4-Nitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
2,4-Dinitrotoluene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Dibenzofuran	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2,3,5,6-Tetrachlorophenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
2,3,4,6-Tetrachlorophenol	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Diethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
4-Chlorophenyl-phenylether	ND	0.97	EPA 8270E	6-23-25	6-24-25	
4-Nitroaniline	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Fluorene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
n-Nitrosodiphenylamine	ND	0.97	EPA 8270E	6-23-25	6-24-25	
1,2-Diphenylhydrazine	ND	0.97	EPA 8270E	6-23-25	6-24-25	
4-Bromophenyl-phenylether	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Hexachlorobenzene	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Pentachlorophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Phenanthrene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
Anthracene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
Carbazole	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Di-n-butylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Fluoranthene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
Pyrene	ND	0.097	EPA 8270E/SIM	6-23-25	6-23-25	
Butylbenzylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis-2-Ethylhexyladipate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
3,3'-Dichlorobenzidine	ND	0.97	EPA 8270E	6-23-25	6-24-25	
Benzo[a]anthracene	ND	0.0097	EPA 8270E/SIM	6-23-25	6-23-25	
Chrysene	ND	0.0097	EPA 8270E/SIM	6-23-25	6-23-25	
bis(2-Ethylhexyl)phthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Di-n-octylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Benzo[b]fluoranthene	ND	0.0097	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo(j,k)fluoranthene	ND	0.0097	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[a]pyrene	ND	0.0097	EPA 8270E/SIM	6-23-25	6-23-25	
Indeno[1,2,3-cd]pyrene	ND	0.0097	EPA 8270E/SIM	6-23-25	6-23-25	
Dibenz[a,h]anthracene	ND	0.0097	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[g,h,i]perylene	ND	0.0097	EPA 8270E/SIM	6-23-25	6-23-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	53	14 - 80				
Phenol-d6	40	10 - 75				
Nitrobenzene-d5	82	27 - 108				
2-Fluorobiphenyl	82	37 - 103				
2,4,6-Tribromophenol	98	35 - 123				
Terphenyl-d14	94	47 - 115				



Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6S					
Laboratory ID:	06-264-05					
n-Nitrosodimethylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Pyridine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Phenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Aniline	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethyl)ether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Chlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,3-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,4-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Benzyl alcohol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Methylphenol (o-Cresol)	ND	0.95	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroisopropyl)ether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.95	EPA 8270E	6-23-25	6-24-25	
n-Nitroso-di-n-propylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachloroethane	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Nitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Isophorone	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Nitrophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4-Dimethylphenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethoxy)methane	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4-Dichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2,4-Trichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Naphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4-Chloroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachlorobutadiene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Chloro-3-methylphenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
1-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Hexachlorocyclopentadiene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4,6-Trichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3-Dichloroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4,5-Trichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Chloronaphthalene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,4-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Dimethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
1,3-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,6-Dinitrotoluene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Acenaphthylene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
3-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	



Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6S					
Laboratory ID:	06-264-05					
2,4-Dinitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Acenaphthene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4-Nitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
2,4-Dinitrotoluene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Dibenzofuran	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3,5,6-Tetrachlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3,4,6-Tetrachlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Diethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
4-Chlorophenyl-phenylether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Fluorene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
n-Nitrosodiphenylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Diphenylhydrazine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Bromophenyl-phenylether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Pentachlorophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Phenanthrene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Anthracene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Carbazole	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Di-n-butylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Fluoranthene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Pyrene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Butylbenzylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis-2-Ethylhexyladipate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
3,3'-Dichlorobenzidine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Benzo[a]anthracene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Chrysene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
bis(2-Ethylhexyl)phthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Di-n-octylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Benzo[b]fluoranthene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo(j,k)fluoranthene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[a]pyrene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Indeno[1,2,3-cd]pyrene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Dibenz[a,h]anthracene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[g,h,i]perylene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	57	14 - 80				
Phenol-d6	41	10 - 75				
Nitrobenzene-d5	85	27 - 108				
2-Fluorobiphenyl	85	37 - 103				
2,4,6-Tribromophenol	92	35 - 123				
Terphenyl-d14	91	47 - 115				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-13S					
Laboratory ID:	06-264-06					
n-Nitrosodimethylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Pyridine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Phenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Aniline	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethyl)ether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Chlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,3-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,4-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Benzyl alcohol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Methylphenol (o-Cresol)	ND	0.95	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroisopropyl)ether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.95	EPA 8270E	6-23-25	6-24-25	
n-Nitroso-di-n-propylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachloroethane	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Nitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Isophorone	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Nitrophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4-Dimethylphenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethoxy)methane	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4-Dichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2,4-Trichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Naphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4-Chloroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachlorobutadiene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Chloro-3-methylphenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
1-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Hexachlorocyclopentadiene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4,6-Trichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3-Dichloroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4,5-Trichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Chloronaphthalene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,4-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Dimethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
1,3-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,6-Dinitrotoluene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Acenaphthylene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
3-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-13S					
Laboratory ID:	06-264-06					
2,4-Dinitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Acenaphthene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4-Nitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
2,4-Dinitrotoluene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Dibenzofuran	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3,5,6-Tetrachlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3,4,6-Tetrachlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Diethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
4-Chlorophenyl-phenylether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Fluorene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
n-Nitrosodiphenylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Diphenylhydrazine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Bromophenyl-phenylether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Pentachlorophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Phenanthrene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Anthracene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Carbazole	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Di-n-butylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Fluoranthene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Pyrene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Butylbenzylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis-2-Ethylhexyladipate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
3,3'-Dichlorobenzidine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Benzo[a]anthracene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Chrysene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
bis(2-Ethylhexyl)phthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Di-n-octylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Benzo[b]fluoranthene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo(j,k)fluoranthene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[a]pyrene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Indeno[1,2,3-cd]pyrene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Dibenz[a,h]anthracene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[g,h,i]perylene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	47	14 - 80				
Phenol-d6	36	10 - 75				
Nitrobenzene-d5	72	27 - 108				
2-Fluorobiphenyl	80	37 - 103				
2,4,6-Tribromophenol	92	35 - 123				
Terphenyl-d14	92	47 - 115				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-2S					
Laboratory ID:	06-264-07					
n-Nitrosodimethylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Pyridine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Phenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Aniline	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethyl)ether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Chlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,3-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,4-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Benzyl alcohol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Dichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Methylphenol (o-Cresol)	ND	0.95	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroisopropyl)ether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.95	EPA 8270E	6-23-25	6-24-25	
n-Nitroso-di-n-propylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachloroethane	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Nitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Isophorone	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Nitrophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4-Dimethylphenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
bis(2-Chloroethoxy)methane	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4-Dichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2,4-Trichlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Naphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4-Chloroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachlorobutadiene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Chloro-3-methylphenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
1-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Hexachlorocyclopentadiene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4,6-Trichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3-Dichloroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,4,5-Trichlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Chloronaphthalene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,4-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Dimethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
1,3-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,6-Dinitrotoluene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Dinitrobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Acenaphthylene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
3-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	



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Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

SEMIVOLATILE ORGANICS EPA 8270E/SIM

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-2S					
Laboratory ID:	06-264-07					
2,4-Dinitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Acenaphthene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4-Nitrophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
2,4-Dinitrotoluene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Dibenzofuran	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3,5,6-Tetrachlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
2,3,4,6-Tetrachlorophenol	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Diethylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
4-Chlorophenyl-phenylether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Nitroaniline	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Fluorene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
n-Nitrosodiphenylamine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
1,2-Diphenylhydrazine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
4-Bromophenyl-phenylether	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Hexachlorobenzene	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Pentachlorophenol	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Phenanthrene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Anthracene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Carbazole	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Di-n-butylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Fluoranthene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Pyrene	ND	0.095	EPA 8270E/SIM	6-23-25	6-23-25	
Butylbenzylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
bis-2-Ethylhexyladipate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
3,3'-Dichlorobenzidine	ND	0.95	EPA 8270E	6-23-25	6-24-25	
Benzo[a]anthracene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Chrysene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
bis(2-Ethylhexyl)phthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Di-n-octylphthalate	ND	4.8	EPA 8270E	6-23-25	6-24-25	
Benzo[b]fluoranthene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo(j,k)fluoranthene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[a]pyrene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Indeno[1,2,3-cd]pyrene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Dibenz[a,h]anthracene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[g,h,i]perylene	ND	0.0095	EPA 8270E/SIM	6-23-25	6-23-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	41	14 - 80				
Phenol-d6	34	10 - 75				
Nitrobenzene-d5	75	27 - 108				
2-Fluorobiphenyl	79	37 - 103				
2,4,6-Tribromophenol	82	35 - 123				
Terphenyl-d14	82	47 - 115				



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Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0623W1					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Pyridine	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Phenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Aniline	ND	5.0	EPA 8270E	6-23-25	6-23-25	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2-Chlorophenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Benzyl alcohol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	6-23-25	6-23-25	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	6-23-25	6-23-25	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	6-23-25	6-23-25	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Hexachloroethane	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Nitrobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Isophorone	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2-Nitrophenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Naphthalene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
4-Chloroaniline	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Hexachlorobutadiene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2-Chloronaphthalene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2-Nitroaniline	ND	1.0	EPA 8270E	6-23-25	6-23-25	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Dimethylphthalate	ND	5.0	EPA 8270E	6-23-25	6-23-25	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
3-Nitroaniline	ND	1.0	EPA 8270E	6-23-25	6-23-25	



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Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0623W1					
2,4-Dinitrophenol	ND	5.0	EPA 8270E	6-23-25	6-23-25	
Acenaphthene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
4-Nitrophenol	ND	5.0	EPA 8270E	6-23-25	6-23-25	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Dibenzofuran	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Diethylphthalate	ND	5.0	EPA 8270E	6-23-25	6-23-25	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	6-23-25	6-23-25	
4-Nitroaniline	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Fluorene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	6-23-25	6-23-25	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	6-23-25	6-23-25	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	6-23-25	6-23-25	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Hexachlorobenzene	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Pentachlorophenol	ND	5.0	EPA 8270E	6-23-25	6-23-25	
Phenanthrene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
Anthracene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
Carbazole	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Di-n-butylphthalate	ND	5.0	EPA 8270E	6-23-25	6-23-25	
Fluoranthene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
Pyrene	ND	0.10	EPA 8270E/SIM	6-23-25	6-23-25	
Butylbenzylphthalate	ND	5.0	EPA 8270E	6-23-25	6-23-25	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	6-23-25	6-23-25	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	6-23-25	6-23-25	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	6-23-25	6-23-25	
Chrysene	ND	0.010	EPA 8270E/SIM	6-23-25	6-23-25	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	6-23-25	6-23-25	
Di-n-octylphthalate	ND	5.0	EPA 8270E	6-23-25	6-23-25	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	6-23-25	6-23-25	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	6-23-25	6-23-25	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	6-23-25	6-23-25	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	6-23-25	6-23-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	53	14 - 80				
Phenol-d6	43	10 - 75				
Nitrobenzene-d5	84	27 - 108				
2-Fluorobiphenyl	83	37 - 103				
2,4,6-Tribromophenol	78	35 - 123				
Terphenyl-d14	89	47 - 115				



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Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits		RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0623W1										
	SB	SBD	SB	SBD	SB	SBD					
n-Nitrosodimethylamine	10.6	12.8	20.0	20.0	53	64	20 - 94	19	40		
Pyridine	6.89	9.00	20.0	20.0	34	45	20 - 80	27	45		
Phenol	6.63	8.27	20.0	20.0	33	41	20 - 80	22	42		
Aniline	9.65	12.0	20.0	20.0	48	60	35 - 100	22	42		
bis(2-Chloroethyl)ether	12.6	14.9	20.0	20.0	63	75	35 - 106	17	40		
2-Chlorophenol	12.0	14.6	20.0	20.0	60	73	38 - 99	20	39		
1,3-Dichlorobenzene	9.96	12.0	20.0	20.0	50	60	20 - 90	19	41		
1,4-Dichlorobenzene	9.93	11.9	20.0	20.0	50	60	20 - 81	18	42		
Benzyl alcohol	12.3	15.8	20.0	20.0	62	79	45 - 101	25	38		
1,2-Dichlorobenzene	10.5	12.5	20.0	20.0	53	63	20 - 90	17	45		
2-Methylphenol (o-Cresol)	11.9	14.6	20.0	20.0	60	73	41 - 99	20	34		
bis(2-Chloroisopropyl)ether	12.4	14.9	20.0	20.0	62	75	31 - 112	18	40		
(3+4)-Methylphenol (m,p-Cresol)	11.5	14.3	20.0	20.0	58	72	40 - 96	22	38		
n-Nitroso-di-n-propylamine	12.8	15.7	20.0	20.0	64	79	45 - 112	20	32		
Hexachloroethane	10.2	12.0	20.0	20.0	51	60	20 - 90	16	45		
Nitrobenzene	12.8	15.7	20.0	20.0	64	79	40 - 108	20	38		
Isophorone	13.0	16.2	20.0	20.0	65	81	51 - 110	22	33		
2-Nitrophenol	13.3	16.4	20.0	20.0	67	82	42 - 108	21	35		
2,4-Dimethylphenol	13.0	15.9	20.0	20.0	65	80	43 - 113	20	36		
bis(2-Chloroethoxy)methane	12.6	15.9	20.0	20.0	63	80	45 - 105	23	39		
2,4-Dichlorophenol	12.8	16.1	20.0	20.0	64	81	47 - 103	23	34		
1,2,4-Trichlorobenzene	11.3	14.0	20.0	20.0	57	70	23 - 89	21	44		
Naphthalene	12.3	15.1	20.0	20.0	62	76	27 - 96	20	38		
4-Chloroaniline	12.2	15.8	20.0	20.0	61	79	45 - 110	26	35		
Hexachlorobutadiene	11.0	13.3	20.0	20.0	55	67	20 - 82	19	45		
4-Chloro-3-methylphenol	13.7	17.7	20.0	20.0	69	89	58 - 110	25	30		
2-Methylnaphthalene	12.2	15.2	20.0	20.0	61	76	32 - 100	22	33		
1-Methylnaphthalene	12.6	15.1	20.0	20.0	63	76	35 - 102	18	39		
Hexachlorocyclopentadiene	11.1	12.7	20.0	20.0	56	64	20 - 102	13	45		
2,4,6-Trichlorophenol	14.4	17.8	20.0	20.0	72	89	58 - 110	21	28		
2,3-Dichloroaniline	13.2	16.0	20.0	20.0	66	80	51 - 104	19	27		
2,4,5-Trichlorophenol	13.1	16.7	20.0	20.0	66	84	61 - 110	24	33		
2-Chloronaphthalene	12.7	15.4	20.0	20.0	64	77	41 - 103	19	34		
2-Nitroaniline	14.5	17.8	20.0	20.0	73	89	56 - 130	20	25		
1,4-Dinitrobenzene	14.6	18.0	20.0	20.0	73	90	56 - 112	21	26		
Dimethylphthalate	13.8	17.1	20.0	20.0	69	86	60 - 107	21	25		
1,3-Dinitrobenzene	14.4	17.6	20.0	20.0	72	88	59 - 119	20	25		
2,6-Dinitrotoluene	13.9	17.7	20.0	20.0	70	89	59 - 112	24	27		
1,2-Dinitrobenzene	14.4	18.3	20.0	20.0	72	92	59 - 114	24	24		
Acenaphthylene	12.9	15.7	20.0	20.0	65	79	49 - 109	20	26		
3-Nitroaniline	13.9	16.7	20.0	20.0	70	84	56 - 112	18	26		



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 15, 2025
 Samples Submitted: June 19, 2025
 Laboratory Reference: 2506-264
 Project: 553-8472-010

**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

page 2 of 2

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0623W1									
	SB	SBD	SB	SBD	SB	SBD				
2,4-Dinitrophenol	14.6	19.6	20.0	20.0	73	98	20 - 147	29	42	
Acenaphthene	13.4	16.6	20.0	20.0	67	83	49 - 106	21	25	
4-Nitrophenol	8.68	10.8	20.0	20.0	43	54	20 - 91	22	28	
2,4-Dinitrotoluene	14.1	17.4	20.0	20.0	71	87	61 - 115	21	23	
Dibenzofuran	13.2	16.1	20.0	20.0	66	81	54 - 103	20	33	
2,3,5,6-Tetrachlorophenol	14.4	17.9	20.0	20.0	72	90	62 - 112	22	29	
2,3,4,6-Tetrachlorophenol	14.6	18.0	20.0	20.0	73	90	60 - 116	21	28	
Diethylphthalate	14.2	17.5	20.0	20.0	71	88	61 - 111	21	23	
4-Chlorophenyl-phenylether	13.6	16.4	20.0	20.0	68	82	58 - 109	19	31	
4-Nitroaniline	14.2	16.5	20.0	20.0	71	83	54 - 112	15	21	
Fluorene	14.0	17.0	20.0	20.0	70	85	58 - 110	19	29	
4,6-Dinitro-2-methylphenol	15.2	18.5	20.0	20.0	76	93	20 - 129	20	31	
n-Nitrosodiphenylamine	13.7	16.5	20.0	20.0	69	83	58 - 106	19	24	
1,2-Diphenylhydrazine	13.7	16.5	20.0	20.0	69	83	58 - 106	19	25	
4-Bromophenyl-phenylether	13.5	16.2	20.0	20.0	68	81	59 - 106	18	24	
Hexachlorobenzene	14.5	16.8	20.0	20.0	73	84	58 - 106	15	23	
Pentachlorophenol	13.8	16.7	20.0	20.0	69	84	39 - 121	19	30	
Phenanthrene	14.1	16.6	20.0	20.0	71	83	60 - 110	16	21	
Anthracene	14.4	16.6	20.0	20.0	72	83	61 - 110	14	21	
Carbazole	14.7	16.9	20.0	20.0	74	85	55 - 110	14	27	
Di-n-butylphthalate	15.1	17.3	20.0	20.0	76	87	58 - 119	14	21	
Fluoranthene	14.7	17.1	20.0	20.0	74	86	60 - 114	15	27	
Pyrene	14.3	17.0	20.0	20.0	72	85	59 - 112	17	22	
Butylbenzylphthalate	14.8	17.2	20.0	20.0	74	86	55 - 122	15	22	
bis-2-Ethylhexyladipate	14.8	17.2	20.0	20.0	74	86	55 - 125	15	22	
3,3'-Dichlorobenzidine	14.0	15.8	20.0	20.0	70	79	56 - 111	12	24	
Benzo[a]anthracene	14.3	16.8	20.0	20.0	72	84	60 - 110	16	21	
Chrysene	14.2	16.8	20.0	20.0	71	84	62 - 110	17	21	
bis(2-Ethylhexyl)phthalate	15.2	17.9	20.0	20.0	76	90	54 - 123	16	28	
Di-n-octylphthalate	14.6	17.4	20.0	20.0	73	87	55 - 126	18	22	
Benzo[b]fluoranthene	14.5	17.0	20.0	20.0	73	85	63 - 111	16	21	
Benzo(j,k)fluoranthene	14.9	17.4	20.0	20.0	75	87	62 - 111	15	24	
Benzo[a]pyrene	14.6	17.1	20.0	20.0	73	86	64 - 112	16	20	
Indeno[1,2,3-cd]pyrene	14.5	16.9	20.0	20.0	73	85	63 - 114	15	21	
Dibenz[a,h]anthracene	14.7	17.4	20.0	20.0	74	87	64 - 112	17	21	
Benzo[g,h,i]perylene	14.4	17.2	20.0	20.0	72	86	63 - 110	18	20	
Surrogate:										
2-Fluorophenol					43	53	14 - 80			
Phenol-d6					34	42	10 - 75			
Nitrobenzene-d5					65	81	27 - 108			
2-Fluorobiphenyl					65	79	37 - 103			
2,4,6-Tribromophenol					74	87	35 - 123			
Terphenyl-d14					71	85	47 - 115			





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





July 07, 2025

Service Request No:K2506432

Nichelle Biffin
Onsite Environmental Incorporated
14648 Northeast 95th Street
Redmond, WA 98052

Laboratory Results for:

Dear Nichelle,

Enclosed are the results of the sample(s) submitted to our laboratory June 26, 2025
For your reference, these analyses have been assigned our service request number **K2506432**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | **FAX** +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: Onsite Environmental Incorporated**Service Request:** K2506432**Project:****Date Received:** 06/26/2025**Sample Matrix:** Water**CASE NARRATIVE**

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Six water samples were received for analysis at ALS Environmental on 06/26/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

General Chemistry:

No significant anomalies were noted with this analysis.

Organic LC:

Method 1633, 07/02/2025: The upper control criterion was exceeded for 4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA) in Low Level Laboratory Control Sample (LL_LCS) KQ2511259-03. The analyte in question was not detected in the associated field samples. The error associated with elevated recovery indicated a high bias. The sample data was not significantly affected. No further corrective action was appropriate.

Method 1633, 07/02/2025: Manual integration of one or more chromatographic peaks in several samples was required to correct the integration performed by the automated data processing program. The manual integration was performed in accordance with ALS policy, which is consistent with the National Environmental Laboratory Accreditation Program (NELAP), Department of Defense (DOD), and other certifying agencies. Refer to the raw data for the compounds impacted by the manual integration.

Approved by



Date

07/07/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-3S			Lab ID: K2506432-002			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Perfluorobutane sulfonic acid (PFBS)	12		0.84	1.8	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	84		1.3	2.0	ng/L	Draft EPA Method 1633
Perfluoroheptanoic acid (PFHpA)	31		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorohexane sulfonic acid (PFHxS)	7.6		0.53	1.8	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	62		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorononanoic acid (PFNA)	0.65	J	0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorooctane sulfonic acid (PFOS)	4.0		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorooctanoic acid (PFOA)	34		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluoropentane sulfonic acid (PFPeS)	3.2		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	87		0.50	1.8	ng/L	Draft EPA Method 1633

CLIENT ID: MW-4S			Lab ID: K2506432-003			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Perfluorobutane sulfonic acid (PFBS)	5.4		0.84	1.8	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	39		1.3	2.0	ng/L	Draft EPA Method 1633
Perfluoroheptanoic acid (PFHpA)	17		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorohexane sulfonic acid (PFHxS)	0.69	J	0.53	1.8	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	32		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorooctanoic acid (PFOA)	6.8		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	42		0.50	1.8	ng/L	Draft EPA Method 1633

CLIENT ID: MW-6S			Lab ID: K2506432-005			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Perfluorobutane sulfonic acid (PFBS)	7.2		0.84	1.8	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	12		1.3	2.0	ng/L	Draft EPA Method 1633
Perfluoroheptanoic acid (PFHpA)	0.90	J	0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorohexane sulfonic acid (PFHxS)	1.0	J	0.53	1.8	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	8.3		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluoropentane sulfonic acid (PFPeS)	1.2	J	0.50	1.8	ng/L	Draft EPA Method 1633

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-6S	Lab ID: K2506432-005
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Analyte	Results	Flag	MDL	MRL	Units	Method
Perfluoropentanoic acid (PFPeA)	12		0.50	1.8	ng/L	Draft EPA Method 1633

CLIENT ID: MW-13S	Lab ID: K2506432-006
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Analyte	Results	Flag	MDL	MRL	Units	Method
Perfluorobutane sulfonic acid (PFBS)	12		0.84	1.8	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	78		1.3	2.0	ng/L	Draft EPA Method 1633
Perfluoroheptanoic acid (PFHpA)	29		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorohexane sulfonic acid (PFHxS)	7.2		0.53	1.8	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	57		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorononanoic acid (PFNA)	0.64	J	0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorooctane sulfonic acid (PFOS)	3.3		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluorooctanoic acid (PFOA)	33		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluoropentane sulfonic acid (PFPeS)	2.8		0.50	1.8	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	82		0.50	1.8	ng/L	Draft EPA Method 1633

CLIENT ID: MW-5S	Lab ID: K2506432-004
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Analyte	Results	Flag	MDL	MRL	Units	Method
Perfluorobutanoic acid (PFBA)	6.0		1.4	2.1	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	2.6		0.53	2.1	ng/L	Draft EPA Method 1633
Perfluorooctane sulfonamide (PFOSAm)	1.1	J	0.53	2.1	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	3.8		0.53	2.1	ng/L	Draft EPA Method 1633



Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: Onsite Environmental Incorporated
Project:

Service Request:K2506432

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
K2506432-001	MW-2S	6/17/2025	1524
K2506432-002	MW-3S	6/18/2025	1310
K2506432-003	MW-4S	6/18/2025	1040
K2506432-004	MW-5S	6/17/2025	1145
K2506432-005	MW-6S	6/18/2025	1125
K2506432-006	MW-13S	6/18/2025	0800



14648 NE 95th Street, Redmond, WA 98052 · (425) 883-3881

Laboratory: ALS Environmental

Attention: Mark Harris

1317 South 13th Avenue, Kelso, WA 98626

Phone Number: (360) 577-7222

Turnaround Request

1 Day 2 Day 3 Day

Standard

Other: _____

K2506432

Laboratory Reference #: 06-264

Project Manager: David Baumeister

email: dbaumeister@onsite-env.com

Project Number: 553-8472-010

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	MW-2S	6/17/25	15:24	W	3	PFAS
	MW-3S	6/18/25	13:10	W	3	PFAS
	MW-4S	6/18/25	10:40	W	3	PFAS
	MW-5S	6/17/25	11:45	W	3	PFAS
	MW-6S	6/18/25	11:25	W	3	PFAS
	MW-13S	6/18/25	8:00	W	3	PFAS

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by: <i>Nicholas Amie</i>	<i>OSE</i>	<i>6/17/25</i>	<i>1536</i>	EIMs
Received by: <i>Alexey ReCoita</i>	<i>ALS</i>	<i>6/25/25</i>	<i>0910</i>	
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Cooler Receipt and Preservation Form

PM Mark

Client On Site Service Request K25 06432
 Received: 6/26/25 Opened: 6/26/25 By: AO Unloaded: 6/26/25 By: AO

1. Samples were received via? USPS Fed Ex UPS DHL PDX Courier Hand Delivered
 2. Samples were received in: (circle) Cooler Box Envelope Other NA
 3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
 If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID /NA	Out of temp Indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
—	78.1	1RO1		X	X	126841E1W8194481659	

4. Was a Temperature Blank present in cooler? NA Y N If yes, note the temperature in the appropriate column below:

If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":

5. Were samples received within the method specified temperature ranges?

NA Y N

If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM.

NA Y N

If applicable, tissue samples were received: Frozen Partially Thawed Thawed

6. Packing material: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Dry Ice Sleeves

7. Were custody papers properly filled out (ink, signed, etc.)?

NA Y N

8. Were samples received in good condition (unbroken)?

NA Y N

9. Were all sample labels complete (ie, analysis, preservation, etc.)?

NA Y N

10. Did all sample labels and tags agree with custody papers?

NA Y N

11. Were appropriate bottles/containers and volumes received for the tests indicated?

NA Y N

12. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below

NA Y N

13. Were VOA vials received without headspace? Indicate in the table below.

NA Y N

14. Was C12/Res negative?

NA Y N

15. Were samples received within method specified time limit? If not, notate the error below and notify the PM.

NA Y N

16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head- space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: MW-25 and 55 times not on bottle labels, logged per chain.



Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value over the calibration range.
- J The result is an estimated value between the MDL and the MRL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjllabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdwlabservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Onsite Environmental Incorporated
Project: /553-8472-010

Service Request: K2506432

Sample Name: MW-2S
Lab Code: K2506432-001
Sample Matrix: Water

Date Collected: 06/17/25
Date Received: 06/26/25

Analysis Method
1633
1633

Extracted/Digested By
ADAVISON
PESCORRIDO

Analyzed By
PSALYARDS
PSALYARDS

Sample Name: MW-3S
Lab Code: K2506432-002
Sample Matrix: Water

Date Collected: 06/18/25
Date Received: 06/26/25

Analysis Method
1633
1633

Extracted/Digested By
PESCORRIDO
ADAVISON

Analyzed By
PSALYARDS
PSALYARDS

Sample Name: MW-4S
Lab Code: K2506432-003
Sample Matrix: Water

Date Collected: 06/18/25
Date Received: 06/26/25

Analysis Method
1633
1633

Extracted/Digested By
ADAVISON
PESCORRIDO

Analyzed By
PSALYARDS
PSALYARDS

Sample Name: MW-5S
Lab Code: K2506432-004
Sample Matrix: Water

Date Collected: 06/17/25
Date Received: 06/26/25

Analysis Method
1633
1633

Extracted/Digested By
PESCORRIDO
ADAVISON

Analyzed By
PSALYARDS
PSALYARDS

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Onsite Environmental Incorporated
Project: /553-8472-010

Service Request: K2506432

Sample Name: MW-6S
Lab Code: K2506432-005
Sample Matrix: Water

Date Collected: 06/18/25
Date Received: 06/26/25

Analysis Method
1633
1633

Extracted/Digested By
PESCORRIDO
ADAVISON

Analyzed By
PSALYARDS
PSALYARDS

Sample Name: MW-13S
Lab Code: K2506432-006
Sample Matrix: Water

Date Collected: 06/18/25
Date Received: 06/26/25

Analysis Method
1633
1633

Extracted/Digested By
ADAVISON
PESCORRIDO

Analyzed By
PSALYARDS
PSALYARDS



Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com



Organic Compounds by HPLC/MS/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-2S
Lab Code: K2506432-001

Service Request: K2506432
Date Collected: 06/17/25 15:24
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSA's)								
Perfluorobutane sulfonic acid (PFBS)	ND U	1.8	0.89	0.84	1	07/02/25 10:20	6/30/25	
Perfluoropentane sulfonic acid (PFPeS)	ND U	1.8	0.94	0.50	1	07/02/25 10:20	6/30/25	
Perfluorohexane sulfonic acid (PFHxS)	ND U	1.8	0.91	0.53	1	07/02/25 10:20	6/30/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	1.8	0.95	0.50	1	07/02/25 10:20	6/30/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	1.8	0.93	0.50	1	07/02/25 10:20	6/30/25	
Perfluorononane sulfonic acid (PFNS)	ND U	1.8	0.96	0.50	1	07/02/25 10:20	6/30/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	1.8	0.97	0.50	1	07/02/25 10:20	6/30/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	1.8	0.97	0.50	1	07/02/25 10:20	6/30/25	
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	ND U	2.0	2.0	1.3	1	07/02/25 10:20	6/30/25	
Perfluoropentanoic acid (PFPeA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluorohexanoic acid (PFHxA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluoroheptanoic acid (PFHpA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluorooctanoic acid (PFOA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluorononanoic acid (PFNA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluorodecanoic acid (PFDA)	ND U	1.8	1.0	0.75	1	07/02/25 10:20	6/30/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluorododecanoic acid (PFDOA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	1.8	1.0	0.70	1	07/02/25 10:20	6/30/25	
Perfluorotetradecanoic acid (PFTDA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	1.8	1.0	0.53	1	07/02/25 10:20	6/30/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	1.8	1.0	0.54	1	07/02/25 10:20	6/30/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	1.8	1.0	0.61	1	07/02/25 10:20	6/30/25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-2S
Lab Code: K2506432-001

Service Request: K2506432
Date Collected: 06/17/25 15:24
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	1.8	0.94	0.50	1	07/02/25 10:20	6/30/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	1.8	1.4	0.50	1	07/02/25 10:20	6/30/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	1.8	0.96	0.50	1	07/02/25 10:20	6/30/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	18	10	4.2	1	07/02/25 10:20	6/30/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	18	10	8.2	1	07/02/25 10:20	6/30/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	18	10	7.0	1	07/02/25 10:20	6/30/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	1.8	0.89	0.50	1	07/02/25 10:20	6/30/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	1.8	0.93	0.50	1	07/02/25 10:20	6/30/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	1.8	0.94	0.50	1	07/02/25 10:20	6/30/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	1.8	1.0	0.50	1	07/02/25 10:20	6/30/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	1.8	0.95	0.50	1	07/02/25 10:20	6/30/25	

ALS Group USA, Corp.
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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: MW-2S
Lab Code: K2506432-001

Service Request: K2506432
Date Collected: 06/17/25 15:24
Date Received: 06/26/25 09:10
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	74	40 - 135	07/02/25 10:20	
13C3-PFHxS	71	40 - 130	07/02/25 10:20	
13C8-PFOS	66	40 - 130	07/02/25 10:20	
13C4-PFBA	77	5 - 130	07/02/25 10:20	
13C5-PFPeA	78	40 - 130	07/02/25 10:20	
13C5-PFHxA	76	40 - 130	07/02/25 10:20	
13C4-PFHpA	75	40 - 130	07/02/25 10:20	
13C8-PFOA	74	40 - 130	07/02/25 10:20	
13C9-PFNA	69	40 - 130	07/02/25 10:20	
13C6-PFDA	62	40 - 130	07/02/25 10:20	
13C7-PFUnDA	55	30 - 130	07/02/25 10:20	
13C2-PFDoDA	49	10 - 130	07/02/25 10:20	
13C2-PFTeDA	47	10 - 130	07/02/25 10:20	
13C8-FOSA	59	40 - 130	07/02/25 10:20	
D3-MeFOSA	49	10 - 130	07/02/25 10:20	
D5-EtFOSA	48	10 - 130	07/02/25 10:20	
D7-MeFOSE	48	10 - 130	07/02/25 10:20	
D9-EtFOSE	46	10 - 130	07/02/25 10:20	
D3-MeFOSAA	56	40 - 170	07/02/25 10:20	
D5-EtFOSAA	50	25 - 135	07/02/25 10:20	
13C2-4:2 FTS	67	40 - 200	07/02/25 10:20	
13C2-6:2 FTS	78	40 - 200	07/02/25 10:20	
13C2-8:2 FTS	59	40 - 300	07/02/25 10:20	
13C3-HFPO-DA	79	40 - 130	07/02/25 10:20	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-3S
Lab Code: K2506432-002

Service Request: K2506432
Date Collected: 06/18/25 13:10
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFASs)								
Perfluorobutane sulfonic acid (PFBS)	12	1.8	0.89	0.84	1	07/02/25 10:36	6/30/25	
Perfluoropentane sulfonic acid (PFPeS)	3.2	1.8	0.94	0.50	1	07/02/25 10:36	6/30/25	
Perfluorohexane sulfonic acid (PFHxS)	7.6	1.8	0.91	0.53	1	07/02/25 10:36	6/30/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	1.8	0.95	0.50	1	07/02/25 10:36	6/30/25	
Perfluorooctane sulfonic acid (PFOS)	4.0	1.8	0.93	0.50	1	07/02/25 10:36	6/30/25	
Perfluorononane sulfonic acid (PFNS)	ND U	1.8	0.96	0.50	1	07/02/25 10:36	6/30/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	1.8	0.97	0.50	1	07/02/25 10:36	6/30/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	1.8	0.97	0.50	1	07/02/25 10:36	6/30/25	
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	84	2.0	2.0	1.3	1	07/02/25 10:36	6/30/25	
Perfluoropentanoic acid (PFPeA)	87	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluorohexanoic acid (PFHxA)	62	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluoroheptanoic acid (PFHpA)	31	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluorooctanoic acid (PFOA)	34	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluorononanoic acid (PFNA)	0.65 J	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluorodecanoic acid (PFDA)	ND U	1.8	1.0	0.75	1	07/02/25 10:36	6/30/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluorododecanoic acid (PFDOA)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	1.8	1.0	0.70	1	07/02/25 10:36	6/30/25	
Perfluorotetradecanoic acid (PFTDA)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	1.8	1.0	0.53	1	07/02/25 10:36	6/30/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	1.8	1.0	0.54	1	07/02/25 10:36	6/30/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	1.8	1.0	0.61	1	07/02/25 10:36	6/30/25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-3S
Lab Code: K2506432-002

Service Request: K2506432
Date Collected: 06/18/25 13:10
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	1.8	0.94	0.50	1	07/02/25 10:36	6/30/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	1.8	1.4	0.50	1	07/02/25 10:36	6/30/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	1.8	0.96	0.50	1	07/02/25 10:36	6/30/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	18	10	4.2	1	07/02/25 10:36	6/30/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	18	10	8.2	1	07/02/25 10:36	6/30/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	18	10	7.0	1	07/02/25 10:36	6/30/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	1.8	0.89	0.50	1	07/02/25 10:36	6/30/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	1.8	0.93	0.50	1	07/02/25 10:36	6/30/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	1.8	0.94	0.50	1	07/02/25 10:36	6/30/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	1.8	1.0	0.50	1	07/02/25 10:36	6/30/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	1.8	0.95	0.50	1	07/02/25 10:36	6/30/25	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: MW-3S
Lab Code: K2506432-002

Service Request: K2506432
Date Collected: 06/18/25 13:10
Date Received: 06/26/25 09:10
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	77	40 - 135	07/02/25 10:36	
13C3-PFHxS	74	40 - 130	07/02/25 10:36	
13C8-PFOS	66	40 - 130	07/02/25 10:36	
13C4-PFBA	79	5 - 130	07/02/25 10:36	
13C5-PFPeA	77	40 - 130	07/02/25 10:36	
13C5-PFHxA	77	40 - 130	07/02/25 10:36	
13C4-PFHpA	77	40 - 130	07/02/25 10:36	
13C8-PFOA	74	40 - 130	07/02/25 10:36	
13C9-PFNA	70	40 - 130	07/02/25 10:36	
13C6-PFDA	62	40 - 130	07/02/25 10:36	
13C7-PFUnDA	57	30 - 130	07/02/25 10:36	
13C2-PFDoDA	51	10 - 130	07/02/25 10:36	
13C2-PFTeDA	50	10 - 130	07/02/25 10:36	
13C8-FOSA	59	40 - 130	07/02/25 10:36	
D3-MeFOSA	48	10 - 130	07/02/25 10:36	
D5-EtFOSA	47	10 - 130	07/02/25 10:36	
D7-MeFOSE	49	10 - 130	07/02/25 10:36	
D9-EtFOSE	46	10 - 130	07/02/25 10:36	
D3-MeFOSAA	53	40 - 170	07/02/25 10:36	
D5-EtFOSAA	49	25 - 135	07/02/25 10:36	
13C2-4:2 FTS	67	40 - 200	07/02/25 10:36	
13C2-6:2 FTS	68	40 - 200	07/02/25 10:36	
13C2-8:2 FTS	54	40 - 300	07/02/25 10:36	
13C3-HFPO-DA	80	40 - 130	07/02/25 10:36	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: MW-4S
Lab Code: K2506432-003

Service Request: K2506432
Date Collected: 06/18/25 10:40
Date Received: 06/26/25 09:10
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFASs)								
Perfluorobutane sulfonic acid (PFBS)	5.4	1.8	0.89	0.84	1	07/02/25 10:52	6/30/25	
Perfluoropentane sulfonic acid (PFPeS)	ND U	1.8	0.94	0.50	1	07/02/25 10:52	6/30/25	
Perfluorohexane sulfonic acid (PFHxS)	0.69 J	1.8	0.91	0.53	1	07/02/25 10:52	6/30/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	1.8	0.95	0.50	1	07/02/25 10:52	6/30/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	1.8	0.93	0.50	1	07/02/25 10:52	6/30/25	
Perfluorononane sulfonic acid (PFNS)	ND U	1.8	0.96	0.50	1	07/02/25 10:52	6/30/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	1.8	0.97	0.50	1	07/02/25 10:52	6/30/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	1.8	0.97	0.50	1	07/02/25 10:52	6/30/25	
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	39	2.0	2.0	1.3	1	07/02/25 10:52	6/30/25	
Perfluoropentanoic acid (PFPeA)	42	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluorohexanoic acid (PFHxA)	32	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluoroheptanoic acid (PFHpA)	17	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluorooctanoic acid (PFOA)	6.8	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluorononanoic acid (PFNA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluorodecanoic acid (PFDA)	ND U	1.8	1.0	0.75	1	07/02/25 10:52	6/30/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluorododecanoic acid (PFDOA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	1.8	1.0	0.70	1	07/02/25 10:52	6/30/25	
Perfluorotetradecanoic acid (PFTDA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	1.8	1.0	0.53	1	07/02/25 10:52	6/30/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	1.8	1.0	0.54	1	07/02/25 10:52	6/30/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	1.8	1.0	0.61	1	07/02/25 10:52	6/30/25	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-4S
Lab Code: K2506432-003

Service Request: K2506432
Date Collected: 06/18/25 10:40
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	1.8	0.94	0.50	1	07/02/25 10:52	6/30/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	1.8	1.4	0.50	1	07/02/25 10:52	6/30/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	1.8	0.96	0.50	1	07/02/25 10:52	6/30/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	18	10	4.2	1	07/02/25 10:52	6/30/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	18	10	8.2	1	07/02/25 10:52	6/30/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	18	10	7.0	1	07/02/25 10:52	6/30/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	1.8	0.89	0.50	1	07/02/25 10:52	6/30/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	1.8	0.93	0.50	1	07/02/25 10:52	6/30/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	1.8	0.94	0.50	1	07/02/25 10:52	6/30/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	1.8	1.0	0.50	1	07/02/25 10:52	6/30/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	1.8	0.95	0.50	1	07/02/25 10:52	6/30/25	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: MW-4S
Lab Code: K2506432-003

Service Request: K2506432
Date Collected: 06/18/25 10:40
Date Received: 06/26/25 09:10
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	75	40 - 135	07/02/25 10:52	
13C3-PFHxS	71	40 - 130	07/02/25 10:52	
13C8-PFOS	68	40 - 130	07/02/25 10:52	
13C4-PFBA	78	5 - 130	07/02/25 10:52	
13C5-PFPeA	77	40 - 130	07/02/25 10:52	
13C5-PFHxA	78	40 - 130	07/02/25 10:52	
13C4-PFHpA	78	40 - 130	07/02/25 10:52	
13C8-PFOA	78	40 - 130	07/02/25 10:52	
13C9-PFNA	71	40 - 130	07/02/25 10:52	
13C6-PFDA	63	40 - 130	07/02/25 10:52	
13C7-PFUnDA	55	30 - 130	07/02/25 10:52	
13C2-PFDoDA	48	10 - 130	07/02/25 10:52	
13C2-PFTeDA	46	10 - 130	07/02/25 10:52	
13C8-FOSA	59	40 - 130	07/02/25 10:52	
D3-MeFOSA	52	10 - 130	07/02/25 10:52	
D5-EtFOSA	52	10 - 130	07/02/25 10:52	
D7-MeFOSE	52	10 - 130	07/02/25 10:52	
D9-EtFOSE	47	10 - 130	07/02/25 10:52	
D3-MeFOSAA	51	40 - 170	07/02/25 10:52	
D5-EtFOSAA	46	25 - 135	07/02/25 10:52	
13C2-4:2 FTS	67	40 - 200	07/02/25 10:52	
13C2-6:2 FTS	61	40 - 200	07/02/25 10:52	
13C2-8:2 FTS	44	40 - 300	07/02/25 10:52	
13C3-HFPO-DA	81	40 - 130	07/02/25 10:52	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-5S
Lab Code: K2506432-004

Service Request: K2506432
Date Collected: 06/17/25 11:45
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSA's)								
Perfluorobutane sulfonic acid (PFBS)	ND U	2.1	0.94	0.89	1	07/02/25 11:08	6/30/25	
Perfluoropentane sulfonic acid (PFPeS)	ND U	2.1	0.99	0.53	1	07/02/25 11:08	6/30/25	
Perfluorohexane sulfonic acid (PFHxS)	ND U	2.1	0.96	0.57	1	07/02/25 11:08	6/30/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	2.1	1.0	0.53	1	07/02/25 11:08	6/30/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	2.1	0.98	0.53	1	07/02/25 11:08	6/30/25	
Perfluorononane sulfonic acid (PFNS)	ND U	2.1	1.0	0.53	1	07/02/25 11:08	6/30/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	2.1	1.0	0.53	1	07/02/25 11:08	6/30/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	2.1	1.0	0.53	1	07/02/25 11:08	6/30/25	
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	6.0	2.1	2.1	1.4	1	07/02/25 11:08	6/30/25	
Perfluoropentanoic acid (PFPeA)	3.8	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluorohexanoic acid (PFHxA)	2.6	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluoroheptanoic acid (PFHpA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluorooctanoic acid (PFOA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluorononanoic acid (PFNA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluorodecanoic acid (PFDA)	ND U	2.1	1.1	0.80	1	07/02/25 11:08	6/30/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluorododecanoic acid (PFDOA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	2.1	1.1	0.75	1	07/02/25 11:08	6/30/25	
Perfluorotetradecanoic acid (PFTDA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	1.1 J	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	2.1	1.1	0.57	1	07/02/25 11:08	6/30/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	2.1	1.1	0.58	1	07/02/25 11:08	6/30/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	2.1	1.1	0.65	1	07/02/25 11:08	6/30/25	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-5S
Lab Code: K2506432-004

Service Request: K2506432
Date Collected: 06/17/25 11:45
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	2.1	0.99	0.53	1	07/02/25 11:08	6/30/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	2.1	1.5	0.53	1	07/02/25 11:08	6/30/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	2.1	1.0	0.53	1	07/02/25 11:08	6/30/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	21	11	4.5	1	07/02/25 11:08	6/30/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	21	11	8.7	1	07/02/25 11:08	6/30/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	21	11	7.5	1	07/02/25 11:08	6/30/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	2.1	0.94	0.53	1	07/02/25 11:08	6/30/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	2.1	0.98	0.53	1	07/02/25 11:08	6/30/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	2.1	0.99	0.53	1	07/02/25 11:08	6/30/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	2.1	1.1	0.53	1	07/02/25 11:08	6/30/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	2.1	1.0	0.53	1	07/02/25 11:08	6/30/25	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: MW-5S
Lab Code: K2506432-004

Service Request: K2506432
Date Collected: 06/17/25 11:45
Date Received: 06/26/25 09:10
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	74	40 - 135	07/02/25 11:08	
13C3-PFHxS	71	40 - 130	07/02/25 11:08	
13C8-PFOS	66	40 - 130	07/02/25 11:08	
13C4-PFBA	70	5 - 130	07/02/25 11:08	
13C5-PFPeA	79	40 - 130	07/02/25 11:08	
13C5-PFHxA	77	40 - 130	07/02/25 11:08	
13C4-PFHpA	75	40 - 130	07/02/25 11:08	
13C8-PFOA	74	40 - 130	07/02/25 11:08	
13C9-PFNA	68	40 - 130	07/02/25 11:08	
13C6-PFDA	62	40 - 130	07/02/25 11:08	
13C7-PFUnDA	57	30 - 130	07/02/25 11:08	
13C2-PFDoDA	51	10 - 130	07/02/25 11:08	
13C2-PFTeDA	44	10 - 130	07/02/25 11:08	
13C8-FOSA	57	40 - 130	07/02/25 11:08	
D3-MeFOSA	48	10 - 130	07/02/25 11:08	
D5-EtFOSA	48	10 - 130	07/02/25 11:08	
D7-MeFOSE	47	10 - 130	07/02/25 11:08	
D9-EtFOSE	45	10 - 130	07/02/25 11:08	
D3-MeFOSAA	57	40 - 170	07/02/25 11:08	
D5-EtFOSAA	51	25 - 135	07/02/25 11:08	
13C2-4:2 FTS	66	40 - 200	07/02/25 11:08	
13C2-6:2 FTS	72	40 - 200	07/02/25 11:08	
13C2-8:2 FTS	59	40 - 300	07/02/25 11:08	
13C3-HFPO-DA	78	40 - 130	07/02/25 11:08	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-6S
Lab Code: K2506432-005

Service Request: K2506432
Date Collected: 06/18/25 11:25
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFASs)								
Perfluorobutane sulfonic acid (PFBS)	7.2	1.8	0.89	0.84	1	07/02/25 11:24	6/30/25	
Perfluoropentane sulfonic acid (PFPeS)	1.2 J	1.8	0.94	0.50	1	07/02/25 11:24	6/30/25	
Perfluorohexane sulfonic acid (PFHxS)	1.0 J	1.8	0.91	0.53	1	07/02/25 11:24	6/30/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	1.8	0.95	0.50	1	07/02/25 11:24	6/30/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	1.8	0.93	0.50	1	07/02/25 11:24	6/30/25	
Perfluorononane sulfonic acid (PFNS)	ND U	1.8	0.96	0.50	1	07/02/25 11:24	6/30/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	1.8	0.97	0.50	1	07/02/25 11:24	6/30/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	1.8	0.97	0.50	1	07/02/25 11:24	6/30/25	
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	12	2.0	2.0	1.3	1	07/02/25 11:24	6/30/25	
Perfluoropentanoic acid (PFPeA)	12	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluorohexanoic acid (PFHxA)	8.3	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluoroheptanoic acid (PFHpA)	0.90 J	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluorooctanoic acid (PFOA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluorononanoic acid (PFNA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluorodecanoic acid (PFDA)	ND U	1.8	1.0	0.75	1	07/02/25 11:24	6/30/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluorododecanoic acid (PFDOA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	1.8	1.0	0.70	1	07/02/25 11:24	6/30/25	
Perfluorotetradecanoic acid (PFTDA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	1.8	1.0	0.53	1	07/02/25 11:24	6/30/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	1.8	1.0	0.54	1	07/02/25 11:24	6/30/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	1.8	1.0	0.61	1	07/02/25 11:24	6/30/25	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-6S
Lab Code: K2506432-005

Service Request: K2506432
Date Collected: 06/18/25 11:25
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	1.8	0.94	0.50	1	07/02/25 11:24	6/30/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	1.8	1.4	0.50	1	07/02/25 11:24	6/30/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	1.8	0.96	0.50	1	07/02/25 11:24	6/30/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	18	10	4.2	1	07/02/25 11:24	6/30/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	18	10	8.2	1	07/02/25 11:24	6/30/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	18	10	7.0	1	07/02/25 11:24	6/30/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	1.8	0.89	0.50	1	07/02/25 11:24	6/30/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	1.8	0.93	0.50	1	07/02/25 11:24	6/30/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	1.8	0.94	0.50	1	07/02/25 11:24	6/30/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	1.8	1.0	0.50	1	07/02/25 11:24	6/30/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	1.8	0.95	0.50	1	07/02/25 11:24	6/30/25	

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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: MW-6S
Lab Code: K2506432-005

Service Request: K2506432
Date Collected: 06/18/25 11:25
Date Received: 06/26/25 09:10
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	74	40 - 135	07/02/25 11:24	
13C3-PFHxS	70	40 - 130	07/02/25 11:24	
13C8-PFOS	68	40 - 130	07/02/25 11:24	
13C4-PFBA	77	5 - 130	07/02/25 11:24	
13C5-PFPeA	78	40 - 130	07/02/25 11:24	
13C5-PFHxA	76	40 - 130	07/02/25 11:24	
13C4-PFHpA	74	40 - 130	07/02/25 11:24	
13C8-PFOA	75	40 - 130	07/02/25 11:24	
13C9-PFNA	68	40 - 130	07/02/25 11:24	
13C6-PFDA	61	40 - 130	07/02/25 11:24	
13C7-PFUnDA	56	30 - 130	07/02/25 11:24	
13C2-PFDoDA	49	10 - 130	07/02/25 11:24	
13C2-PFTeDA	47	10 - 130	07/02/25 11:24	
13C8-FOSA	61	40 - 130	07/02/25 11:24	
D3-MeFOSA	49	10 - 130	07/02/25 11:24	
D5-EtFOSA	48	10 - 130	07/02/25 11:24	
D7-MeFOSE	50	10 - 130	07/02/25 11:24	
D9-EtFOSE	47	10 - 130	07/02/25 11:24	
D3-MeFOSAA	56	40 - 170	07/02/25 11:24	
D5-EtFOSAA	48	25 - 135	07/02/25 11:24	
13C2-4:2 FTS	62	40 - 200	07/02/25 11:24	
13C2-6:2 FTS	69	40 - 200	07/02/25 11:24	
13C2-8:2 FTS	57	40 - 300	07/02/25 11:24	
13C3-HFPO-DA	77	40 - 130	07/02/25 11:24	

ALS Group USA, Corp.
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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-13S
Lab Code: K2506432-006

Service Request: K2506432
Date Collected: 06/18/25 08:00
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSA's)								
Perfluorobutane sulfonic acid (PFBS)	12	1.8	0.89	0.84	1	07/02/25 11:56	6/30/25	
Perfluoropentane sulfonic acid (PFPeS)	2.8	1.8	0.94	0.50	1	07/02/25 11:56	6/30/25	
Perfluorohexane sulfonic acid (PFHxS)	7.2	1.8	0.91	0.53	1	07/02/25 11:56	6/30/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	1.8	0.95	0.50	1	07/02/25 11:56	6/30/25	
Perfluorooctane sulfonic acid (PFOS)	3.3	1.8	0.93	0.50	1	07/02/25 11:56	6/30/25	
Perfluorononane sulfonic acid (PFNS)	ND U	1.8	0.96	0.50	1	07/02/25 11:56	6/30/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	1.8	0.97	0.50	1	07/02/25 11:56	6/30/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	1.8	0.97	0.50	1	07/02/25 11:56	6/30/25	
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	78	2.0	2.0	1.3	1	07/02/25 11:56	6/30/25	
Perfluoropentanoic acid (PFPeA)	82	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluorohexanoic acid (PFHxA)	57	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluoroheptanoic acid (PFHpA)	29	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluorooctanoic acid (PFOA)	33	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluorononanoic acid (PFNA)	0.64 J	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluorodecanoic acid (PFDA)	ND U	1.8	1.0	0.75	1	07/02/25 11:56	6/30/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluorododecanoic acid (PFDOA)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	1.8	1.0	0.70	1	07/02/25 11:56	6/30/25	
Perfluorotetradecanoic acid (PFTDA)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	1.8	1.0	0.53	1	07/02/25 11:56	6/30/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	1.8	1.0	0.54	1	07/02/25 11:56	6/30/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	1.8	1.0	0.61	1	07/02/25 11:56	6/30/25	

ALS Group USA, Corp.
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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: MW-13S
Lab Code: K2506432-006

Service Request: K2506432
Date Collected: 06/18/25 08:00
Date Received: 06/26/25 09:10

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	1.8	0.94	0.50	1	07/02/25 11:56	6/30/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	1.8	1.4	0.50	1	07/02/25 11:56	6/30/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	1.8	0.96	0.50	1	07/02/25 11:56	6/30/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	18	10	4.2	1	07/02/25 11:56	6/30/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	18	10	8.2	1	07/02/25 11:56	6/30/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	18	10	7.0	1	07/02/25 11:56	6/30/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	1.8	0.89	0.50	1	07/02/25 11:56	6/30/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	1.8	0.93	0.50	1	07/02/25 11:56	6/30/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	1.8	0.94	0.50	1	07/02/25 11:56	6/30/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	1.8	1.0	0.50	1	07/02/25 11:56	6/30/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	1.8	0.95	0.50	1	07/02/25 11:56	6/30/25	

ALS Group USA, Corp.
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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: MW-13S
Lab Code: K2506432-006

Service Request: K2506432
Date Collected: 06/18/25 08:00
Date Received: 06/26/25 09:10
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	79	40 - 135	07/02/25 11:56	
13C3-PFHxS	77	40 - 130	07/02/25 11:56	
13C8-PFOS	72	40 - 130	07/02/25 11:56	
13C4-PFBA	81	5 - 130	07/02/25 11:56	
13C5-PFPeA	80	40 - 130	07/02/25 11:56	
13C5-PFHxA	81	40 - 130	07/02/25 11:56	
13C4-PFHpA	81	40 - 130	07/02/25 11:56	
13C8-PFOA	78	40 - 130	07/02/25 11:56	
13C9-PFNA	75	40 - 130	07/02/25 11:56	
13C6-PFDA	67	40 - 130	07/02/25 11:56	
13C7-PFUnDA	60	30 - 130	07/02/25 11:56	
13C2-PFDoDA	53	10 - 130	07/02/25 11:56	
13C2-PFTeDA	50	10 - 130	07/02/25 11:56	
13C8-FOSA	64	40 - 130	07/02/25 11:56	
D3-MeFOSA	49	10 - 130	07/02/25 11:56	
D5-EtFOSA	47	10 - 130	07/02/25 11:56	
D7-MeFOSE	51	10 - 130	07/02/25 11:56	
D9-EtFOSE	49	10 - 130	07/02/25 11:56	
D3-MeFOSAA	59	40 - 170	07/02/25 11:56	
D5-EtFOSAA	53	25 - 135	07/02/25 11:56	
13C2-4:2 FTS	68	40 - 200	07/02/25 11:56	
13C2-6:2 FTS	72	40 - 200	07/02/25 11:56	
13C2-8:2 FTS	58	40 - 300	07/02/25 11:56	
13C3-HFPO-DA	85	40 - 130	07/02/25 11:56	



QC Summary Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com



Organic Compounds by HPLC/MS/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Onsite Environmental Incorporated
Project: /553-8472-010
Sample Matrix: Water

Service Request: K2506432

SURROGATE RECOVERY SUMMARY

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633

Extraction Method: Method

Surrogate	Control Limits	MW-2S	MW-3S	MW-4S
		K2506432-001	K2506432-002	K2506432-003
13C3-PFBS	40-135	74	77	75
13C3-PFHxS	40-130	71	74	71
13C8-PFOS	40-130	66	66	68
13C4-PFBA	5-130	77	79	78
13C5-PFPeA	40-130	78	77	77
13C5-PFHxA	40-130	76	77	78
13C4-PFHpA	40-130	75	77	78
13C8-PFOA	40-130	74	74	78
13C9-PFNA	40-130	69	70	71
13C6-PFDA	40-130	62	62	63
13C7-PFUnDA	30-130	55	57	55
13C2-PFDoDA	10-130	49	51	48
13C2-PFTeDA	10-130	47	50	46
13C8-FOSA	40-130	59	59	59
D3-MeFOSA	10-130	49	48	52
D5-EtFOSA	10-130	48	47	52
D7-MeFOSE	10-130	48	49	52
D9-EtFOSE	10-130	46	46	47
D3-MeFOSAA	40-170	56	53	51
D5-EtFOSAA	25-135	50	49	46
13C2-4:2 FTS	40-200	67	67	67
13C2-6:2 FTS	40-200	78	68	61
13C2-8:2 FTS	40-300	59	54	44
13C3-HFPO-DA	40-130	79	80	81

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with an pound (#) indicate the control criteria is not acceptable.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Onsite Environmental Incorporated
Project: /553-8472-010
Sample Matrix: Water

Service Request: K2506432

SURROGATE RECOVERY SUMMARY

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633

Extraction Method: Method

Surrogate	Control Limits	MW-5S	MW-6S	MW-13S
		K2506432-004	K2506432-005	K2506432-006
13C3-PFBS	40-135	74	74	79
13C3-PFHxS	40-130	71	70	77
13C8-PFOS	40-130	66	68	72
13C4-PFBA	5-130	70	77	81
13C5-PFPeA	40-130	79	78	80
13C5-PFHxA	40-130	77	76	81
13C4-PFHpA	40-130	75	74	81
13C8-PFOA	40-130	74	75	78
13C9-PFNA	40-130	68	68	75
13C6-PFDA	40-130	62	61	67
13C7-PFUnDA	30-130	57	56	60
13C2-PFDoDA	10-130	51	49	53
13C2-PFTeDA	10-130	44	47	50
13C8-FOSA	40-130	57	61	64
D3-MeFOSA	10-130	48	49	49
D5-EtFOSA	10-130	48	48	47
D7-MeFOSE	10-130	47	50	51
D9-EtFOSE	10-130	45	47	49
D3-MeFOSAA	40-170	57	56	59
D5-EtFOSAA	25-135	51	48	53
13C2-4:2 FTS	40-200	66	62	68
13C2-6:2 FTS	40-200	72	69	72
13C2-8:2 FTS	40-300	59	57	58
13C3-HFPO-DA	40-130	78	77	85

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with an pound (#) indicate the control criteria is not acceptable.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Onsite Environmental Incorporated
Project: /553-8472-010
Sample Matrix: Water

Service Request: K2506432

SURROGATE RECOVERY SUMMARY

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633

Extraction Method: Method

Surrogate	Control Limits	Method Blank	Lab Control Sample	Duplicate Lab Control Sample
		KQ2511259-04	KQ2511259-01	KQ2511259-02
13C3-PFBS	40-135	80	80	79
13C3-PFHxS	40-130	78	79	78
13C8-PFOS	40-130	82	81	82
13C4-PFBA	5-130	86	83	84
13C5-PFPeA	40-130	88	85	85
13C5-PFHxA	40-130	84	82	81
13C4-PFHpA	40-130	83	80	80
13C8-PFOA	40-130	84	83	83
13C9-PFNA	40-130	80	78	79
13C6-PFDA	40-130	76	76	75
13C7-PFUnDA	30-130	71	69	69
13C2-PFDoDA	10-130	61	59	59
13C2-PFTeDA	10-130	60	57	55
13C8-FOSA	40-130	63	62	62
D3-MeFOSA	10-130	46	46	47
D5-EtFOSA	10-130	45	47	47
D7-MeFOSE	10-130	56	57	56
D9-EtFOSE	10-130	54	53	53
D3-MeFOSAA	40-170	70	70	71
D5-EtFOSAA	25-135	61	60	62
13C2-4:2 FTS	40-200	80	76	76
13C2-6:2 FTS	40-200	88	86	88
13C2-8:2 FTS	40-300	82	79	80
13C3-HFPO-DA	40-130	88	86	84

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with an pound (#) indicate the control criteria is not acceptable.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Onsite Environmental Incorporated
Project: /553-8472-010
Sample Matrix: Water

Service Request: K2506432

SURROGATE RECOVERY SUMMARY

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633

Extraction Method: Method

Surrogate	Control Limits	Low Level Lab Control
		Sample KQ2511259-03
13C3-PFBS	40-135	80
13C3-PFHxS	40-130	79
13C8-PFOS	40-130	83
13C4-PFBA	5-130	86
13C5-PFPeA	40-130	87
13C5-PFHxA	40-130	84
13C4-PFHpA	40-130	82
13C8-PFOA	40-130	83
13C9-PFNA	40-130	83
13C6-PFDA	40-130	77
13C7-PFUnDA	30-130	72
13C2-PFDoDA	10-130	61
13C2-PFTeDA	10-130	57
13C8-FOSA	40-130	59
D3-MeFOSA	10-130	46
D5-EtFOSA	10-130	46
D7-MeFOSE	10-130	55
D9-EtFOSE	10-130	51
D3-MeFOSAA	40-170	72
D5-EtFOSAA	25-135	63
13C2-4:2 FTS	40-200	79
13C2-6:2 FTS	40-200	92
13C2-8:2 FTS	40-300	84
13C3-HFPO-DA	40-130	88

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with an pound (#) indicate the control criteria is not acceptable.

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: KQ2511259-04

Service Request: K2506432
Date Collected: NA
Date Received: NA
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFASs)								
Perfluorobutane sulfonic acid (PFBS)	ND U	2.0	0.89	0.84	1	07/02/25 08:43	6/30/25	
Perfluoropentane sulfonic acid (PFPeS)	ND U	2.0	0.94	0.50	1	07/02/25 08:43	6/30/25	
Perfluorohexane sulfonic acid (PFHxS)	ND U	2.0	0.91	0.53	1	07/02/25 08:43	6/30/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	2.0	0.95	0.50	1	07/02/25 08:43	6/30/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	2.0	0.93	0.50	1	07/02/25 08:43	6/30/25	
Perfluorononane sulfonic acid (PFNS)	ND U	2.0	0.96	0.50	1	07/02/25 08:43	6/30/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	2.0	0.97	0.50	1	07/02/25 08:43	6/30/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	2.0	0.97	0.50	1	07/02/25 08:43	6/30/25	
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	ND U	2.0	2.0	1.3	1	07/02/25 08:43	6/30/25	
Perfluoropentanoic acid (PFPeA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluorohexanoic acid (PFHxA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluoroheptanoic acid (PFHpA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluorooctanoic acid (PFOA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluorononanoic acid (PFNA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluorodecanoic acid (PFDA)	ND U	2.0	1.0	0.75	1	07/02/25 08:43	6/30/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluorododecanoic acid (PFDOA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	2.0	1.0	0.70	1	07/02/25 08:43	6/30/25	
Perfluorotetradecanoic acid (PFTDA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	2.0	1.0	0.53	1	07/02/25 08:43	6/30/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	2.0	1.0	0.54	1	07/02/25 08:43	6/30/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	2.0	1.0	0.61	1	07/02/25 08:43	6/30/25	

ALS Group USA, Corp.
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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water

Sample Name: Method Blank
Lab Code: KQ2511259-04

Service Request: K2506432
Date Collected: NA
Date Received: NA

Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	2.0	0.94	0.50	1	07/02/25 08:43	6/30/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	2.0	1.4	0.50	1	07/02/25 08:43	6/30/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	2.0	0.96	0.50	1	07/02/25 08:43	6/30/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	20	10	4.2	1	07/02/25 08:43	6/30/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	20	10	8.2	1	07/02/25 08:43	6/30/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	20	10	7.0	1	07/02/25 08:43	6/30/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	2.0	0.89	0.50	1	07/02/25 08:43	6/30/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	2.0	0.93	0.50	1	07/02/25 08:43	6/30/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	2.0	0.94	0.50	1	07/02/25 08:43	6/30/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	2.0	1.0	0.50	1	07/02/25 08:43	6/30/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	2.0	0.95	0.50	1	07/02/25 08:43	6/30/25	

ALS Group USA, Corp.
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Analytical Report

Client: Onsite Environmental Incorporated
Project:
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: KQ2511259-04

Service Request: K2506432
Date Collected: NA
Date Received: NA
Units: ng/L
Basis: NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	80	40 - 135	07/02/25 08:43	
13C3-PFHxS	78	40 - 130	07/02/25 08:43	
13C8-PFOS	82	40 - 130	07/02/25 08:43	
13C4-PFBA	86	5 - 130	07/02/25 08:43	
13C5-PFPeA	88	40 - 130	07/02/25 08:43	
13C5-PFHxA	84	40 - 130	07/02/25 08:43	
13C4-PFHpA	83	40 - 130	07/02/25 08:43	
13C8-PFOA	84	40 - 130	07/02/25 08:43	
13C9-PFNA	80	40 - 130	07/02/25 08:43	
13C6-PFDA	76	40 - 130	07/02/25 08:43	
13C7-PFUnDA	71	30 - 130	07/02/25 08:43	
13C2-PFDoDA	61	10 - 130	07/02/25 08:43	
13C2-PFTeDA	60	10 - 130	07/02/25 08:43	
13C8-FOSA	63	40 - 130	07/02/25 08:43	
D3-MeFOSA	46	10 - 130	07/02/25 08:43	
D5-EtFOSA	45	10 - 130	07/02/25 08:43	
D7-MeFOSE	56	10 - 130	07/02/25 08:43	
D9-EtFOSE	54	10 - 130	07/02/25 08:43	
D3-MeFOSAA	70	40 - 170	07/02/25 08:43	
D5-EtFOSAA	61	25 - 135	07/02/25 08:43	
13C2-4:2 FTS	80	40 - 200	07/02/25 08:43	
13C2-6:2 FTS	88	40 - 200	07/02/25 08:43	
13C2-8:2 FTS	82	40 - 300	07/02/25 08:43	
13C3-HFPO-DA	88	40 - 130	07/02/25 08:43	

ALS Group USA, Corp.
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QA/QC Report

Client: Onsite Environmental Incorporated
Project: 553-8472-010
Sample Matrix: Water

Service Request: K2506432
Date Analyzed: 07/02/25
Date Extracted: 06/30/25

Lab Control Sample Summary

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Units: ng/L
Basis: NA
Analysis Lot: 885090

Low Level Lab Control Sample

KQ2511259-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	2.40	3.77	64	55-160
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	3.66	3.84	95	60-150
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	3.42	3.75	91	70-145
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	3.70	3.80	97	65-155
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	41.4	40.0	104	50-145
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	46.4	40.0	116	70-135
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	53.6	40.0	134 *	65-130
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	3.32	3.78	88	65-145
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	3.02	3.73	81	70-155
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	3.54	4.00	89	70-140
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	3.80	4.00	95	65-145
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	3.80	4.00	95	70-145
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	3.64	4.00	91	70-135
N-Methylperfluorooctane sulfonamide (MeFOSA)	3.76	4.00	94	60-150
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	3.68	4.00	92	50-140
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	3.68	4.00	92	70-145
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.80	4.00	95	50-150
Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	3.36	3.56	94	70-140
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.72	4.00	93	55-140
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.60	4.00	90	60-150
Perfluorobutane sulfonic acid (PFBS)	3.50	3.55	99	60-145
Perfluorobutanoic acid (PFBA)	3.68	4.00	92	70-140
Perfluorodecane sulfonic acid (PFDS)	2.80	3.86	73	60-145
Perfluorodecanoic acid (PFDA)	3.76	4.00	94	70-140
Perfluorododecane sulfonic acid (PFDoS)	2.42	3.88	62	50-145
Perfluorododecanoic acid (PFDOA)	3.72	4.00	93	70-140
Perfluoroheptane sulfonic acid (PFHpS)	3.82	3.81	100	70-150
Perfluoroheptanoic acid (PFHpA)	3.80	4.00	95	70-150
Perfluorohexane sulfonic acid (PFHxS)	3.76	3.66	103	65-145
Perfluorohexanoic acid (PFHxA)	3.66	4.00	92	70-145
Perfluorononane sulfonic acid (PFNS)	3.32	3.85	86	65-145

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Onsite Environmental Incorporated
Project: 553-8472-010
Sample Matrix: Water

Service Request: K2506432
Date Analyzed: 07/02/25
Date Extracted: 06/30/25

Lab Control Sample Summary

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Units: ng/L
Basis: NA
Analysis Lot: 885090

Low Level Lab Control Sample

KQ2511259-03

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Perfluorononanoic acid (PFNA)	3.66	4.00	92	70-150
Perfluorooctane sulfonamide (PFOSAm)	3.76	4.00	94	70-145
Perfluorooctane sulfonic acid (PFOS)	3.26	3.71	88	55-150
Perfluorooctanoic acid (PFOA)	3.68	4.00	92	70-150
Perfluoropentane sulfonic acid (PFPeS)	3.50	3.76	93	65-140
Perfluoropentanoic acid (PFPeA)	3.66	4.00	92	65-135
Perfluorotetradecanoic acid (PFTDA)	3.64	4.00	91	60-140
Perfluorotridecanoic acid (PFTrDA)	3.44	4.00	86	65-140
Perfluoroundecanoic acid (PFUnDA)	3.82	4.00	96	70-145

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Onsite Environmental Incorporated
Project: 553-8472-010
Sample Matrix: Water

Service Request: K2506432
Date Analyzed: 07/02/25
Date Extracted: 06/30/25

Duplicate Lab Control Sample Summary
Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Units: ng/L
Basis: NA
Analysis Lot: 885090

Analyte Name	Lab Control Sample KQ2511259-01			Duplicate Lab Control Sample KQ2511259-02					
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	15.4	18.9	82	15.2	18.9	80	55-160	1	30
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	22.8	19.2	119	23.0	19.2	120	60-150	<1	30
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	21.3	18.7	114	21.9	18.7	117	70-145	3	30
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	21.6	19.0	114	22.1	19.0	116	65-155	2	30
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	194	200	97	188	200	94	50-145	3	30
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	214	200	107	219	200	110	70-135	2	30
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	250	200	125	249	200	125	65-130	<1	30
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	20.8	18.9	110	21.5	18.9	114	65-145	3	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	18.8	18.7	101	19.6	18.7	105	70-155	4	30
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	21.9	20.0	109	22.0	20.0	110	70-140	<1	30
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	22.6	20.0	113	22.6	20.0	113	65-145	<1	30
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	22.3	20.0	111	20.7	20.0	104	70-145	7	30
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	20.2	20.0	101	20.7	20.0	103	70-135	2	30
N-Methylperfluorooctane sulfonamide (MeFOSA)	22.8	20.0	114	22.2	20.0	111	60-150	2	30
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	21.4	20.0	107	21.4	20.0	107	50-140	<1	30
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	21.0	20.0	105	21.7	20.0	108	70-145	3	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	22.8	20.0	114	22.8	20.0	114	50-150	<1	30
Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	20.8	17.8	117	20.8	17.8	117	70-140	<1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	23.5	20.0	118	23.2	20.0	116	55-140	1	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	22.3	20.0	111	22.1	20.0	111	60-150	<1	30
Perfluorobutane sulfonic acid (PFBS)	20.6	17.7	116	21.0	17.7	119	60-145	2	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Onsite Environmental Incorporated
Project: 553-8472-010
Sample Matrix: Water

Service Request: K2506432
Date Analyzed: 07/02/25
Date Extracted: 06/30/25

Duplicate Lab Control Sample Summary

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Units: ng/L
Basis: NA
Analysis Lot: 885090

Analyte Name	Lab Control Sample KQ2511259-01			Duplicate Lab Control Sample KQ2511259-02					
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	22.7	20.0	114	23.0	20.0	115	70-140	1	30
Perfluorodecane sulfonic acid (PFDS)	17.3	19.3	89	17.6	19.3	91	60-145	2	30
Perfluorodecanoic acid (PFDA)	23.6	20.0	118	24.2	20.0	121	70-140	3	30
Perfluorododecane sulfonic acid (PFDoS)	14.9	19.4	77	14.8	19.4	76	50-145	<1	30
Perfluorododecanoic acid (PFDOA)	24.2	20.0	121	23.3	20.0	117	70-140	4	30
Perfluoroheptane sulfonic acid (PFHpS)	22.6	19.1	119	22.6	19.1	118	70-150	<1	30
Perfluoroheptanoic acid (PFHpA)	23.5	20.0	118	23.4	20.0	117	70-150	<1	30
Perfluorohexane sulfonic acid (PFHxS)	22.3	18.3	122	22.5	18.3	123	65-145	1	30
Perfluorohexanoic acid (PFHxA)	22.9	20.0	115	22.6	20.0	113	70-145	1	30
Perfluorononane sulfonic acid (PFNS)	20.5	19.2	107	20.4	19.2	106	65-145	<1	30
Perfluorononanoic acid (PFNA)	22.8	20.0	114	22.9	20.0	114	70-150	<1	30
Perfluorooctane sulfonamide (PFOSAm)	23.8	20.0	119	23.9	20.0	120	70-145	<1	30
Perfluorooctane sulfonic acid (PFOS)	21.0	18.6	113	21.5	18.6	116	55-150	2	30
Perfluorooctanoic acid (PFOA)	23.5	20.0	118	23.0	20.0	115	70-150	2	30
Perfluoropentane sulfonic acid (PFPeS)	22.1	18.8	118	23.0	18.8	122	65-140	4	30
Perfluoropentanoic acid (PFPeA)	22.6	20.0	113	22.6	20.0	113	65-135	<1	30
Perfluorotetradecanoic acid (PFTDA)	20.7	20.0	103	21.5	20.0	108	60-140	4	30
Perfluorotridecanoic acid (PFTrDA)	23.3	20.0	116	22.8	20.0	114	65-140	2	30
Perfluoroundecanoic acid (PFUnDA)	24.0	20.0	120	23.4	20.0	117	70-145	3	30

Attachment C

Data Validation Memorandum

DATE: July 8, 2025
TO: Project File
FROM: Chris Bourgeois
SUBJECT: Second Quarter 2025 (B) Data Quality Evaluation
CC: Mike Brady
PROJECT NUMBER: 553-8472-009
PROJECT NAME: DTG Yakima Limited Purpose Landfill

A data quality evaluation was conducted for the Second Quarter 2025 (B) sampling event at the DTG Yakima Limited Purpose Landfill (LPL). Samples were collected on June 17, 18, and 19, by Parametrix under contract to DTG. The samples were analyzed by OnSite Environmental under two associated work orders:

- Work Order 2506-262: (MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)).
 - Analytes: Wet Chemistry, Total and Dissolved Metals.
- Work Order 2506-263: (MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)).
 - Analytes: VOCs and Total Petroleum Hydrocarbons (NWTPH-Gx and Dx), SA Wells Only); Nitrates.
 - Nitrates subcontracted to Anatek Labs under Work Orders: YFF0490 (MW-2S, MW-5S, MW-7D) and YFF0508 (MW-3S, MW-4S, MW-6S, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)).

The data were evaluated in accordance with EPA guidance (EPA 2020a, 2020b, and 2009) at a Stage 2A level. Sample MW-13S is a field duplicate of MW-3S.

Field Narrative

Groundwater sampling field data sheets were provided by Parametrix.

Laboratory Case Narrative

Samples collected on June 17, 18, and 19, 2025 were received by the laboratory on June 19, 2025. They were maintained at the laboratory at a temperature of 2 to 6 degrees Celsius.

Work Order 2506-262

Wet Chemistry (Total Alkalinity, Bicarbonate, TDS, Chloride, Sulfate, Ammonia, TOC)

The sample(s) were prepared and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.



The duplicate RPDs were within control limits.

The MS (if required) and spike blank recoveries and RPDs were within control limits.

Total and Dissolved Metals (EPA Method 6010D)

The sample(s) were digested and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

The MS recoveries and relative percent differences (RPDs) were within advisory control limits.

Work Order 2506-263

Volatiles - EPA Method SW8260D

No VOCs were detected in the trip blank.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The matrix spike and matrix spike duplicate recoveries and relative percent differences (RPDs) were within control limits.

The percent recovery for Methylene Chloride is outside the control limits in the Spike Blank (high; 130 outside the 66-123 limit) and Spike Blank Duplicate (136 outside the 66-123 limit). The lab flagged the analysis 'I,I' to reflect the percentage recovery values being outside of the control limits. This method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked; furthermore, Methylene Chloride was not detected in the samples, therefore the sample results were not qualified.

Total Petroleum Hydrocarbons (NWTPH-Gx and Dx) – SA Wells Only

No gasoline-range hydrocarbons were detected in the trip blank.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

Anatek Work Order YFF0490

Nitrate (Anatek: EPA Method Hach 10206)

The method blank(s) were clean at the reporting limits.

The percent recovery of the laboratory control sample was within control limits.

The matrix spike and matrix spike duplicate recoveries and relative percent differences (RPDs) were within control limits.

Anatek Work Order YFF05080

Nitrate (Anatek: EPA Method Hach 10206)



The method blank(s) were clean at the reporting limits.

The percent recovery of the laboratory control sample was within control limits.

The matrix spike and matrix spike duplicate recoveries and relative percent differences (RPDs) were within control limits.

Field Duplicate Evaluation

Relative Percent Differences (RPDs) were calculated for the results of sample MW-3S and duplicate MW-13S. Field Duplicate Relative Percent Difference Calculations are included in Attachment A.

The duplicate percent RPDs were within control limits for all analytes.

Data Qualification

No data were qualified.



References

EPA (U.S. Environmental Protection Agency). 2002. Guidance on Environmental Data Verification and Data Validation. EPA QA/G-8. EPA240R-02/004.

EPA. 2020a. National Functional Guidelines for Inorganic Superfund Data Review. EPA 540R- 2017-001. November.

EPA. 2020b. National Functional Guidelines for Organic Superfund Data Review. EPA 542-R-20-006. November.



Attachment A

Second Quarter (B)
2025 Field Duplicate
Relative Percent
Difference Calculations

DTG Yakima LPL Field Duplicate Relative Percent Difference Calculations
553-8472-009

Second Quarter 2025 (B)

Sample Dates:

June 17-19, 2025

On-Site Environmental 2506-262 (Wet Chemistry, Total and Dissolved Metals): MW-2S, MW-3S, MW-4S, MW-5S, MW-6S,

Sample analyses:

MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)

On-Site Environmental 2506-263 (VOCs, TPH): MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP), Trip Blank

Anatek Labs YFF0490 (Nitrates): MW-2S, MW-5S, MW-7D

Anatek Labs YFF0508 (Nitrates): MW-3S, MW-4S, MW-6S, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)

DUP MW-13S collected at MW-3S

Completed by: Chris Bourgeois

7/8/2025

Groundwater	sample	duplicate	avg	diff	RPD	=/<25%?	RL	w/in RL?
units = mg/L	MW-3S	MW-13S						
Iron, Total	<0.050	<0.050	n/a	n/a	n/a		0.050	y
Magnesium, Total	37	37	37.00	0	0.0	y	1.0	
Manganese, Total	<0.010	<0.010	n/a	n/a	n/a		0.010	y
Calcium, Dissolved	50	50	50.00	0	0.0	y	1.1	
Iron, Dissolved	0.088	<0.056	0.09	n/a	n/a		0.056	y
Magnesium, Dissolved	37	37	37.00	0	0.0	y	1.1	
Manganese, Dissolved	<0.011	<0.011	n/a	n/a	n/a		0.011	y
Potassium, Dissolved	4.8	4.8	4.80	0	0.0	y	1.1	
Sodium, Dissolved	20	20	20.00	0	0.0	y	1.1	
Nitrate	12.0	12.1	12.05	-0.1	0.8	y	0.200	
Chloride	67	69	68.00	-2	2.9	y	2.0	
Sulfate	99	80	89.50	19	21.2	y	50/25	
TDS	420	400	410.00	20	4.9	y	13	
Alkalinity	100	96	98.00	4	4.1	y	2.0	
Bicarbonate	100	96	98.00	4	4.1	y	2.0	
Ammonia	<0.053	<0.053	n/a	n/a	n/a		0.053	y
TOC	3.2	3.1	3.15	0.1	3.2	y	1.0	
TPH-Gasoline (ug/L)	<100	<100	n/a	n/a	n/a		100	y
TPH-Diesel	<0.21	<0.21	n/a	n/a	n/a		0.21	y
TPH-Oil	<0.21	<0.21	n/a	n/a	n/a		0.21	y

VOCs

None detected

Comments:

No data qualified.

DATE: August 8, 2025
TO: Project File
FROM: Mike Brady
SUBJECT: Second Quarter 2025 MTCA Data Quality Evaluation
PROJECT NUMBER: 553-8472-010
PROJECT NAME: DTG Yakima Limited Purpose Landfill

A data quality evaluation was conducted for the Second Quarter 2025 MTCA sampling event at the DTG Yakima Limited Purpose Landfill (LPL). Samples were collected on June 17 through 19, 2025, by Parametrix under contract to DTG. The samples were analyzed by OnSite Environmental and ALS Environmental under the following work order:

- Work Order 2506-264: MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-13S (MW-3S DUP).
 - Analytes: Semi-volatile organic compounds (SVOCs) including carcinogenic polycyclic aromatic hydrocarbons (cPAHs), and per- and polyfluoroalkyl substances (PFAS).
 - PFAS subcontracted to ALS Environmental under Work Order K2506432.

The data were evaluated in accordance with EPA guidance (EPA 2020a, 2020b, and 2009) at a Stage 2A level. Sample MW-13S is a field duplicate of MW-3S.

Field Narrative

Groundwater sampling field data sheets were provided by Parametrix. Sample to be tested for SVOCs was collected from MW-2S on June 19.

Laboratory Case Narrative

Samples collected on June 17 and 18, 2025 were received by OnSite Environmental on June 19, 2025. They were maintained at the laboratory at a temperature of 2 to 6 degrees Celsius.

Work Order 2506-264

Semi-volatile Organics EPA 8270E/SIM (OnSite Environmental)

The sample(s) were prepared and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The spike blank recoveries and RPDs were within control limits.

PFAS by EPA Method 1633 (Subcontracted to ALS Environmental)

The sample(s) were prepared and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The surrogates percent recoveries were within control limits.



The lab control sample percent recoveries were within control limits, except for FTCA which recovered high at 134%. Since no FTCA was detected in the samples, no data were qualified.

The laboratory duplicate percent recoveries and RPDs were within control limits.

The MS recoveries and relative percent differences (RPDs) were within advisory control limits.

Field Duplicate Evaluation

Relative Percent Differences (RPDs) were calculated for the results of sample MW-3S and duplicate MW-13S. Field Duplicate Relative Percent Difference Calculations are included in Attachment A.

The duplicate percent RPDs were within control limits for all analytes.

Data Qualification

No data were qualified.



References

EPA (U.S. Environmental Protection Agency). 2002. Guidance on Environmental Data Verification and Data Validation. EPA QA/G-8. EPA240R-02/004.

EPA. 2020a. National Functional Guidelines for Inorganic Superfund Data Review. EPA 540R- 2017-001. November.

EPA. 2020b. National Functional Guidelines for Organic Superfund Data Review. EPA 542-R-20-006. November.



Attachment A

Second Quarter MTCA
2025 Field Duplicate
Relative Percent
Difference Calculations

DTG Yakima LPL Field Duplicate Relative Percent Difference Calculations

553-8472-010

Second Quarter 2025 (B)

Sample Dates:

June 17-19, 2025

Sample analyses:

On-Site Environmental 2506-264 (SVOC/cPAHs): MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-13S (MW-3S DUP), Trip Blank

ALS Environmental K2506432 (PFAS): MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-13S (MW-3S Dup)

DUP MW-13S collected at MW-3S

Completed by: Mike Brady

7/8/2025 - 7/15/2025

Groundwater	sample	duplicate	avg	diff	RPD	=/<25%?	RL	w/in RL?
units = mg/L	MW-3S	MW-13S						
SVOCs / cPAHs	None detected							
units = ng/L								
Perfluorobutane sulfonic acid (PFBS)	12	12	12.0	0	0.0	y	1.8	
Perfluoropentane sulfonic acid (PFPeS)	3.2	2.8	3.00	0.4	13.3	y	1.8	
Perfluorohexane sulfonic acid (PFHxS)	7.6	7.2	7.40	0.4	5.4	y	1.8	
Perfluoroheptane sulfonic acid (PFHpS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluorooctane sulfonic acid (PFOS)	4.0	3.3	3.65	0.7	19.2	y	1.8	
Perfluorononane sulfonic acid (PFNS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluorodecane sulfonic acid (PFDS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluorododecane sulfonic acid (PFDoS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluorobutanoic acid (PFBA)	84	78	81.0	6	7.4	y	1.8	
Perfluoropentanoic acid (PFPeA)	87	82	84.5	5	5.9	y	1.8	
Perfluorohexanoic acid (PFHxA)	62	57	59.5	5	8.4	y	1.8	
Perfluoroheptanoic acid (PFHpA)	31	29	30	2	6.7	y	1.8	
Perfluorooctanoic acid (PFOA)	34	33	33.5	1	3.0	y	1.8	
Perfluorononanoic acid (PFNA)	0.65 J	0.64 J	0.65	0.01	1.6	y	1.8	
Perfluorodecanoic acid (PFDA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluoroundecanoic acid (PFUnDA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluorododecanoic acid (PFDOA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluorotridecanoic acid (PFTrDA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluorotetradecanoic acid (PFTDA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluorooctane sulfonamide (PFOSAm)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
N-Methylperfluorooctane sulfonamide (MeFOSA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	18 U	18 U	18	0	0.0	y	18	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	18 U	18 U	18	0	0.0	y	18	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	18 U	18 U	18	0	0.0	y	18	
Perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	1.8 U	1.8 U	1.80	0	0.0	y	1.8	

Comments:

No additional flags other than laboratory qualifiers

Attachment D

Hazard Index Calculations

PFAS Hazard Index MCL Calculation Tool

Enter Site Information

Date:	Second Quarter 2025
Site Name:	Rocky Top Environmental LPL
Sample Name:	MW-3S

Data Input

PFAS Chemical	PFAS Concentration at Water Source ¹ (ppt or ng/L)	Composition Ratio of the PFAS Mixture (percent)	Health-Based Water Concentration (HBWC) (ppt or ng/L)	Hazard Index ² (HI) (Eq. 1)	Percent Contribution to the Hazard Index
HFPO-DA	0	0.0%	10 a	0.00E+00	0.0%
PFBS	12	59.3%	2,000 b	6.00E-03	0.7%
PFHxS	7.6	37.5%	10 a	7.60E-01	91.5%
PFNA	0.65	3.2%	10 a	6.50E-02	7.8%
Totals	20	100.0%	---	0.8	100.0%

Notes:

a - HBWCs for PFHxS, PFNA, and HFPO-DA are also individually applied as MCLGs and MCLs.

b - EPA derived a HBWC of 2,000 ng/L for PFBS but did not establish an MCLG or MCL. Although PFBS is not regulated individually (i.e., with an individual MCL), it must be included in the hazard index MCL calculation for the PFAS mixture (i.e., sum of HQs for HFPO-DA, PFBS, PFHxS, and PFNA).

¹ This calculator applies to any current or potential future source of drinking water including groundwater and surface water sources. For the HI evaluation, each sample analyses should include results for all four PFAS chemicals (i.e., HFPO-DA, PFBS, PFHxS, and PFNA).

² It's recommended to consult with a toxicologist within Ecology's TCP Policy and Technical Support Unit for assistance in developing PFAS cleanup levels for mixtures that exceed an HI MCL of 1 (360-407-7170).

Acronyms

HBWC = Health-Based Water Concentration.

HI = Hazard index

HQ = Hazard quotient

MCL = Maximum contaminant level

MCLG = Maximum contaminant level goal

MDL = Method detection limit

MTCA = Model Toxics Control Act

NPDWR = National Primary Drinking Water Regulation

ng/L = Nanogram per liter; same as ppt

PFAS = per- and polyfluoroalkyl substances

ppt = part per trillion; same as ng/L

PQL = Practical quantitation limit

Remark:

Equation 1

$$\text{Hazard Index} = \left(\frac{PFHxS_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{PFNA_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{HFPO - DA_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{PFBS_{ppt}}{2,000 \text{ ppt}} \right)$$

Note: Each individual fraction is called a Hazard Quotient or HQ.

PFAS Hazard Index MCL Calculation Tool

Enter Site Information

Date:	Second Quarter 2025
Site Name:	Rocky Top Environmental LPL
Sample Name:	MW-4S

Data Input

PFAS Chemical	PFAS Concentration at Water Source ¹ (ppt or ng/L)	Composition Ratio of the PFAS Mixture (percent)	Health-Based Water Concentration (HBWC) (ppt or ng/L)	Hazard Index ² (HI) (Eq. 1)	Percent Contribution to the Hazard Index
HFPO-DA	0	0.0%	10 a	0.00E+00	0.0%
PFBS	5.4	88.7%	2,000 b	2.70E-03	3.8%
PFHxS	0.69	11.3%	10 a	6.90E-02	96.2%
PFNA	0	0.0%	10 a	0.00E+00	0.0%
Totals	6	100.0%	---	0.07	100.0%

Notes:

a - HBWCs for PFHxS, PFNA, and HFPO-DA are also individually applied as MCLGs and MCLs.

b - EPA derived a HBWC of 2,000 ng/L for PFBS but did not establish an MCLG or MCL. Although PFBS is not regulated individually (i.e., with an individual MCL), it must be included in the hazard index MCL calculation for the PFAS mixture (i.e., sum of HQs for HFPO-DA, PFBS, PFHxS, and PFNA).

¹ This calculator applies to any current or potential future source of drinking water including groundwater and surface water sources. For the HI evaluation, each sample analyses should include results for all four PFAS chemicals (i.e., HFPO-DA, PFBS, PFHxS, and PFNA).

² It's recommended to consult with a toxicologist within Ecology's TCP Policy and Technical Support Unit for assistance in developing PFAS cleanup levels for mixtures that exceed an HI MCL of 1 (360-407-7170).

Acronyms

HBWC = Health-Based Water Concentration.

HI = Hazard index

HQ = Hazard quotient

MCL = Maximum contaminant level

MCLG = Maximum contaminant level goal

MDL = Method detection limit

MTCA = Model Toxics Control Act

NPDWR = National Primary Drinking Water Regulation

ng/L = Nanogram per liter; same as ppt

PFAS = per- and polyfluoroalkyl substances

ppt = part per trillion; same as ng/L

PQL = Practical quantitation limit

Remark:

Equation 1

$$\text{Hazard Index} = \left(\frac{PFHxS_{ppt}}{10 ppt} \right) + \left(\frac{PFNA_{ppt}}{10 ppt} \right) + \left(\frac{HFPO - DA_{ppt}}{10 ppt} \right) + \left(\frac{PFBS_{ppt}}{2,000 ppt} \right)$$

Note: Each individual fraction is called a Hazard Quotient or HQ.

PFAS Hazard Index MCL Calculation Tool

Enter Site Information

Date:	Second Quarter 2025
Site Name:	Rocky Top Environmental LPL
Sample Name:	MW-5S

Data Input

PFAS Chemical	PFAS Concentration at Water Source ¹ (ppt or ng/L)	Composition Ratio of the PFAS Mixture (percent)	Health-Based Water Concentration (HBWC) (ppt or ng/L)	Hazard Index ² (HI) (Eq. 1)	Percent Contribution to the Hazard Index
HFPO-DA	0		10 a		
PFBS	0		2,000 b		
PFHxS	0		10 a		
PFNA	0		10 a		
Totals	0		---		

Notes:

a - HBWCs for PFHxS, PFNA, and HFPO-DA are also individually applied as MCLGs and MCLs.

b - EPA derived a HBWC of 2,000 ng/L for PFBS but did not establish an MCLG or MCL. Although PFBS is not regulated individually (i.e., with an individual MCL), it must be included in the hazard index MCL calculation for the PFAS mixture (i.e., sum of HQs for HFPO-DA, PFBS, PFHxS, and PFNA).

¹ This calculator applies to any current or potential future source of drinking water including groundwater and surface water sources. For the HI evaluation, each sample analyses should include results for all four PFAS chemicals (i.e., HFPO-DA, PFBS, PFHxS, and PFNA).

² It's recommended to consult with a toxicologist within Ecology's TCP Policy and Technical Support Unit for assistance in developing PFAS cleanup levels for mixtures that exceed an HI MCL of 1 (360-407-7170).

Acronyms

HBWC = Health-Based Water Concentration.

HI = Hazard index

HQ = Hazard quotient

MCL = Maximum contaminant level

MCLG = Maximum contaminant level goal

MDL = Method detection limit

MTCA = Model Toxics Control Act

NPDWR = National Primary Drinking Water Regulation

ng/L = Nanogram per liter; same as ppt

PFAS = per- and polyfluoroalkyl substances

ppt = part per trillion; same as ng/L

PQL = Practical quantitation limit

Remark:

Equation 1

$$\text{Hazard Index} = \left(\frac{PFHxS_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{PFNA_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{HFPO - DA_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{PFBS_{ppt}}{2,000 \text{ ppt}} \right)$$

Note: Each individual fraction is called a Hazard Quotient or HQ.

PFAS Hazard Index MCL Calculation Tool

Enter Site Information

Date:	Second Quarter 2025
Site Name:	Rocky Top Environmental LPL
Sample Name:	MW-6S

Data Input

PFAS Chemical	PFAS Concentration at Water Source ¹ (ppt or ng/L)	Composition Ratio of the PFAS Mixture (percent)	Health-Based Water Concentration (HBWC) (ppt or ng/L)	Hazard Index ² (HI) (Eq. 1)	Percent Contribution to the Hazard Index
HFPO-DA	0	0.0%	10 a	0.00E+00	0.0%
PFBS	7.2	100.0%	2,000 b	3.60E-03	100.0%
PFHxS	0	0.0%	10 a	0.00E+00	0.0%
PFNA	0	0.0%	10 a	0.00E+00	0.0%
Totals	7	100.0%	---	0.004	100.0%

Notes:

a - HBWCs for PFHxS, PFNA, and HFPO-DA are also individually applied as MCLGs and MCLs.

b - EPA derived a HBWC of 2,000 ng/L for PFBS but did not establish an MCLG or MCL. Although PFBS is not regulated individually (i.e., with an individual MCL), it must be included in the hazard index MCL calculation for the PFAS mixture (i.e., sum of HQs for HFPO-DA, PFBS, PFHxS, and PFNA).

¹ This calculator applies to any current or potential future source of drinking water including groundwater and surface water sources. For the HI evaluation, each sample analyses should include results for all four PFAS chemicals (i.e., HFPO-DA, PFBS, PFHxS, and PFNA).

² It's recommended to consult with a toxicologist within Ecology's TCP Policy and Technical Support Unit for assistance in developing PFAS cleanup levels for mixtures that exceed an HI MCL of 1 (360-407-7170).

Acronyms

HBWC = Health-Based Water Concentration.

HI = Hazard index

HQ = Hazard quotient

MCL = Maximum contaminant level

MCLG = Maximum contaminant level goal

MDL = Method detection limit

MTCA = Model Toxics Control Act

NPDWR = National Primary Drinking Water Regulation

ng/L = Nanogram per liter; same as ppt

PFAS = per- and polyfluoroalkyl substances

ppt = part per trillion; same as ng/L

PQL = Practical quantitation limit

Remark:

Equation 1

$$\text{Hazard Index} = \left(\frac{PFHxS_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{PFNA_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{HFPO - DA_{ppt}}{10 \text{ ppt}} \right) + \left(\frac{PFBS_{ppt}}{2,000 \text{ ppt}} \right)$$

Note: Each individual fraction is called a Hazard Quotient or HQ.