
To: Alan Noell, PhD, PE; Tim O'Connor, LG, LHG
From: Garrett R. Leque, LG; Terry R. McPhetridge, LG, LHG
Date: May 25, 2022
File: 6694-002-05
Subject: Go East Landfill Q2 Analytical Data

Draft analytical results are attached for the second quarter (Q2) sampling event performed in March 2022 at the Go East Landfill located at 4330 108th Street in Everett, Washington. The sampling procedures were performed in accordance with the *Remedial Investigation Work Plan, Go East Corp Landfill Site*, dated June 30, 2020.

The following samples were collected during the Q2 sampling event:

- Groundwater samples from monitoring wells MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10.
- Surface water sample SWS-1 and groundwater seep samples Seep-1 and Seep-2. Note that the weir box was installed at the time of the Q2 sampling event and the sample was collected from the discharge of the box. Note that the planned locations of Seep-1 through Seep-4 were visited and observed to be dry. Actual seep locations were found at lower elevations and sampled as shown on the attached figure.

Also included in this deliverable are the analytical results for well MW-5 sampled on February 3, 2022. MW-5 is being sampled a total of eight times to establish background concentrations in accordance with the Work Plan. The sample collected February 3, 2022 represents the sample collected between the first and second site-wide quarterly events.

Data will be validated and uploaded to Washington State Department of Ecology's (Ecology's) Environmental Information Management (EIM) system.

Feel free to call Garrett Leque at 253.722.2413 if you have any questions.

Attachments:

Table 1. Draft Groundwater Results

Table 2. Draft Surface Water Results

Figure 1. Remedial Investigation Sampling Locations

Appendix A. Laboratory Data Deliverables (pdf)

Table 1
Groundwater Analytical Results - March 2022
 Go East Landfill
 Everett, Washington

Method	Analyte	Groundwater Screening Level ¹	Units	Location ID	MW1	MW2	MW3	MW5*	MW5	MW6	MW7	MW8	MW9	MW10	
				Sample ID	MW1-220330	MW2-20220318	MW3-30922	MW5-220203	MW5-20220307	MW6-31122	MW7-20220314	MW8-20220322	MW9-20220404	MW10-20220404	
				Sample Date	3/30/2022	3/18/2022	3/9/2022	2/3/2022	3/7/2022	3/11/2022	3/14/2022	3/22/2022	4/4/2022	4/4/2022	
	Alkalinity as CaCO ₃	NE	mg/L as CaCO ₃		86	120	110	-	120	200	94	220	390	170	
	Ammonia (Total as N)	NE	mg/L		0.21	0.11	0.061	0.050 U	0.050 U	0.096	0.050 U	0.050 U	1.8	0.050 U	
	Bicarbonate Ion (HCO ₃)	NE	mg/L as CaCO ₃		86	120	110	-	120	200	94	220	390	170	
	Total Dissolved Solids	NE	mg/L		100	160	170	160	150	270	140	320	460	270	
	Chloride	NE	mg/L		3.9	5.1	6.6	7.1	6.2	5.7	5.3	4.6	6.7	6.1	
	Nitrate	NE	mg/L as N		0.050 U	0.079 J	0.090	0.063	0.050 U	0.12 J	0.12 J	2.9	0.066	0.18	
Sulfate	NE	mg/L		5.0 U	10	9.7	15	14	25	5.9	69	25	48		
NWTPH-GX	Gasoline-range hydrocarbons	800/1000	µg/L		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	
NWTPH-DX	Diesel-range hydrocarbons	0.50	mg/L		0.20 U	0.21 U	0.23 U	0.41	0.21 U	0.22 U	0.20 U	0.21 U	0.20	0.16 U	
	Lube oil-range hydrocarbons	0.50	mg/L		0.20 U	0.21 U	0.23 U	0.74	0.21 U	0.22 U	0.20 U	0.21 U	0.25	0.22	
Total Metals	Arsenic	5.0	µg/L		5.8	5.3	5.0	5.8	6.6	4.2	10	3.3 U	3.3 U	4.3	
	Cadmium	4.4	µg/L		4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	
	Chromium	50	µg/L		11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	
	Copper	11	µg/L		11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	
	Iron	300	µg/L		1900	1600	2500	1000	130 J	1100	2100	2800	5100	6800	
	Lead	1.1	µg/L		1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	2.5 U	4.5 U	
	Magnesium	NE	µg/L		10000	17000	14000	15000	13000	24000	13000	47000	30000	23000	
	Manganese	50	µg/L		390	310	240	290	270	2100	180	2400	1500	320	
	Mercury	0.025	µg/L		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
	Nickel	26	µg/L		86	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	22 U	
Selenium	5.6	µg/L		5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U		
Zinc	100	µg/L		28 U	28 U	28 U	28 U	28 U	28 U	28 U	28 U	28 U	28 U		
Dissolved Metals	Arsenic	5.0	µg/L		5.0	4.6	3.4	4.7	5.7	3.9	8.8	3.0 U	3.0 U	3.0 U	
	Cadmium	4.4	µg/L		4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U		
	Calcium	NE	µg/L		18000	23000	24000	26000	28000	44000	18000	40000	110000	48000	
	Chromium	50	µg/L		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		
	Copper	11	µg/L		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		
	Iron	300	µg/L		300	56 U	56 U	56 U	65	74	56 U	99	56 U	100	
	Lead	1.1	µg/L		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
	Magnesium	NE	µg/L		9200	15000	13000	14000	14000	21000	12000	40000	26000	18000	
	Manganese	50	µg/L		350	250	180	260	280	2000	62	2200	1300	200	
	Mercury	0.025	µg/L		0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
	Nickel	26	µg/L		20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	
	Potassium	NE	µg/L		2500	2700	1900	3600	2000	2500	2200	4500	6900	4300	
	Selenium	5.6	µg/L		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
	Sodium	NE	µg/L		5700	6600	7000	6600	6500	19000	6000	9800	14000	8200	
Zinc	100	µg/L		25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U		
Organochlorine Pesticides	4,4'-DDD	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	4,4'-DDE	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	4,4'-DDT	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Aldrin	0.0050	µg/L		0.0020 U	0.0019 U	0.0020 U	0.0019 U	0.0019 U	0.0020 U	0.0021 U	0.0021 U	0.0022 U	0.0022 U	
	Alpha-BHC	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Beta-BHC	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	cis-Chlordane	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Delta-BHC	NE	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Dieldrin	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Endosulfan I	0.056	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Endosulfan II	0.056	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Endosulfan Sulfate	9.0	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Endrin	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Endrin Aldehyde	0.034	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Endrin Ketone	NE	µg/L		0.020 U	0.019 U	0.020 U	0.019 U	0.019 U	0.020 U	0.021 U	0.021 U	0.022 U	0.022 U	
	Gamma-BHC	0.060	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Heptachlor	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	Heptachlor Epoxide	0.0050	µg/L		0.0029 U	0.0029 U	0.0030 U	0.0029 U	0.0029 U	0.0030 U	0.0032 U	0.0031 U	0.0033 U	0.0033 U	
	Methoxychlor	0.020	µg/L		0.0098 U	0.0096 U	0.010 U	0.011	0.0095 U	0.010 U	0.011 U	0.010 U	0.011 U	0.029	
	Toxaphene	0.050	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U	
	trans-Chlordane	0.0050	µg/L		0.0049 U	0.0048 U	0.0050 U	0.0048 U	0.0048 U	0.0051 U	0.0053 U	0.0052 U	0.0055 U	0.0054 U	
	PCB Aroclors	PCB-Aroclor 1016	NE	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U
		PCB-Aroclor 1221	NE	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U
		PCB-Aroclor 1232	NE	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U
PCB-Aroclor 1242		NE	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U	
PCB-Aroclor 1248		NE	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U	
PCB-Aroclor 1254		NE	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U	
PCB-Aroclor 1260		NE	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U	
Total PCB Aroclors		0.050	µg/L		0.049 U	0.048 U	0.050 U	0.048 U	0.048 U	0.051 U	0.053 U	0.052 U	0.055 U	0.054 U	
Herbicides	2,4,5-T	160	µg/L		0.991 U	0.997 U	0.987 U	0.991 U	0.996 U	0.989 U	0.984 U	0.998 U	0.987 U	0.991 U	
	2,4,5-TP	10	µg/L		0.991 U	0.997 U	0.987 U	0.991 U	0.996 U	0.989 U	0.984 U	0.998 U	0.987 U	0.991 U	
	2,4-D	70	µg/L		0.991 U	0.997 U	0.987 U	0.991 U	0.996 U	0.989 U	0.984 U	0.998 U	0.987 U	0.991 U	
	2,4-DB	480	µg/L		0.991 U	0.997 U	0.987 U	0.991 U	0.996 U	0.989 U	0.984 U	0.998 U	0.987 U	0.991 U	
	3,5-Dichlorobenzoic Acid	NE	µg/L		0.991 U	0.997 U	0.987 U	0.991 U	0.996 U	0.989 U	0.984 U	0.998 U	0.987 U	0.991 U	
	4-Nitrophenol	NE	µg/L		0.991 U	0.997 U	0.987 U	0.991 U	0.996 U	0.989 U	0.984 U	0.998 U	0.987 U	0.991 U	
	Acifluorfen	NE	µg/L		4.96 U	4.99 U	4.94 U	4.95 U	4.98 U	4.95 U	4.92				

Method	Analyte	Groundwater Screening Level ¹	Units	Location ID	MW1	MW2	MW3	MW5*	MW5	MW6	MW7	MW8	MW9	MW10
				Sample ID	MW1-220330	MW2-20220318	MW3-30922	MW5-220203	MW5-20220307	MW6-31122	MW7-20220314	MW8-20220322	MW9-20220404	MW10-20220404
				Sample Date	3/30/2022	3/18/2022	3/9/2022	2/3/2022	3/7/2022	3/11/2022	3/14/2022	3/22/2022	4/4/2022	4/4/2022
VOCs	1,3-Dichlorobenzene	NE	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,3-Dichloropropane	NE	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,4-Dichlorobenzene	NE	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	2,2-Dichloropropane	NE	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	2-Chlorotoluene	160	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	2-Hexanone	40	µg/L		2.0 U	2.0 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	4-Chlorotoluene	NE	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	4-Isopropyltoluene	NE	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.37
	Acetone	7200	µg/L		5.0 U	5.0 U	3900	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Benzene	0.44	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Bromobenzene	64	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Bromochloromethane	NE	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Bromoform	4.6	µg/L		1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromomethane	11	µg/L		1.0 U	0.20 U	100 U	1.0 U	2.8 U	0.20 U	0.20 U	3.3 U	1.0 U	1.0 U
	Carbon Disulfide	400	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Carbon Tetrachloride	0.20	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.28 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Chlorobenzene	20	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Chloroethane	19000	µg/L		1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroform	1.2	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Chloromethane	150	µg/L		1.0 U	1.0 U	100 U	1.0 U	1.6 U	1.0 U	1.3 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	16	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	cis-1,3-Dichloropropene	0.22	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Dibromochloromethane	0.60	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Dibromomethane	80	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Dichlorobromomethane	0.30	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Dichlorodifluoromethane	5.6	µg/L		0.20 U	0.20 U	100 U	0.20 U	0.28 U	0.29 U	0.31 U	0.20 U	0.29 U	0.29 U
	Ethylbenzene	29	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Hexachlorobutadiene	NE	µg/L		1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Isopropylbenzene	800	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Methyl ethyl ketone (MEK)	4800	µg/L		5.0 U	5.0 U	540	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Methyl iodide	NE	µg/L		5.0 U	1.6 U	500 U	5.0 U	8.5 U	1.0 U	1.0 U	8.6 U	2.0 U	2.0 U
	Methyl isobutyl ketone	640	µg/L		2.0 U	2.0 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Methyl tert-butyl ether	24	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Methylene Chloride	5.0	µg/L		1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Naphthalene	NE	µg/L		1.0 U	1.0 U	100 U	1.0 U	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	n-Butylbenzene	400	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	n-Propylbenzene	800	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Sec-Butylbenzene	800	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Styrene	100	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Tert-Butylbenzene	800	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Tetrachloroethylene	0.80	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Toluene	57	µg/L		1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-Dichloroethylene	100	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	trans-1,3-Dichloropropene	0.22	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Trichloroethylene	0.30	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Trichlorofluoromethane	120	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Vinyl Acetate	7800	µg/L		1.0 U	1.0 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Vinyl Chloride	0.20	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Xylene, m,-p-	NE	µg/L		0.40 U	0.40 U	40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
Xylene, o-	NE	µg/L		0.20 U	0.20 U	20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	
Total xylenes	330	µg/L		0.40 U	0.40 U	40 U	0.20 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	
SVOCs	1,2,4-Trichlorobenzene	1.0	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	1,2-Dichlorobenzene	600	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	1,2-Dinitrobenzene	1.6	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	1,2-Diphenylhydrazine	1.0	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	1,3-Dichlorobenzene	2.0	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	1,3-Dinitrobenzene	1.6	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	1,4-Dichlorobenzene	4.9	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	1,4-Dinitrobenzene	1.6	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,3,4,6-Tetrachlorophenol	480	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,3,5,6-Tetrachlorophenol	NE	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,3-Dichloroaniline	NE	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,4,5-Trichlorophenol	300	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,4,6-Trichlorophenol	1.0	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,4-Dichlorophenol	10	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,4-Dimethylphenol	85	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,4-Dinitrophenol	10	µg/L		4.9 U	4.8 U	7.7 U	5.0 U	7.9 U	8.7 U	6.6 U	5.4 U	5.2 U	5.1 U
	2,4-Dinitrotoluene	1.0	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2,6-Dinitrotoluene	1.0	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2-Chloronaphthalene	100	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2-Chlorophenol	15	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2-methylphenol	400	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2-Nitroaniline	160	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	2-Nitrophenol	NE	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	3&4-Methylphenol	400	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	3,3'-Dichlorobenzidine	1.0	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	3-Nitroaniline	NE	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	4,6-Dinitro-2-Methylphenol	5.0	µg/L		4.9 U	4.8 U	4.9 U	5.0 U	5.0 U	6.5 U	4.8 U	5.4 U	5.2 U	5.1 U
	4-Bromophenyl phenyl ether	NE	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	4-Chloro-3-Methylphenol	36	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	4-Chloroaniline	1.0	µg/L		1.3 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	4-Chlorophenyl phenyl ether	NE	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	4-Nitroaniline	64	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	4-Nitrophenol	NE	µg/L		4.9 U	4.8 U	4.9 U	5.0 U	5.0 U	5.1 U	4.8 U	5.4 U	5.2 U	5.1 U
	Aniline	7.7	µg/L		4.9 U	4.8 U	4.9 U	5.0 U	5.0 U	5.1 U	4.8 U	5.4 U	5.2 U	5.1 U
	Benzyl Alcohol	NE	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	Bis(2-Chloroethoxy)Methane	800	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	Bis(2-Chloroethyl)Ether	NE	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	Bis(2-chloroisopropyl) ether	1.0	µg/L		0.97 U	0.95 U	0.97 U	0.99 U	1.0 U	1.0 U	0.95 U	1.1 U	1.0 U	1.0 U
	Bis(2-Ethylhexyl) Phthalate	1.0	µg/L		4.9 U	4.8 U	4.9 U	5.0 U	5.0 U	5.1 U	4.8 U	5.4 U	5.2 U</	

			Location ID	MW1	MW2	MW3	MW5*	MW5	MW6	MW7	MW8	MW9	MW10
			Sample ID	MW1-220330	MW2-20220318	MW-3-30922	MW5-220203	MW-5-20220307	MW-6-31122	MW7-20220314	MW8-20220322	MW-9-20220404	MW-10-20220404
			Sample Date	3/30/2022	3/18/2022	3/9/2022	2/3/2022	3/7/2022	3/11/2022	3/14/2022	3/22/2022	4/4/2022	4/4/2022
Method	Analyte	Groundwater Screening Level ¹	Units										
PAHs	1-Methylnaphthalene	1.5	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.10 U	0.10 U
	2-Methylnaphthalene	32	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.10 U	0.10 U
	Acenaphthene	30	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.46	0.10 U
	Acenaphthylene	NE	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.10 U	0.10 U
	Anthracene	100	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.10 U	0.10 U
	Benzo(a)anthracene	NE	µg/L	0.0097 U	0.0095 U	0.0097 U	0.0099 U	0.010 U	0.010 U	0.0095 U	0.011 U	0.010 U	0.010 U
	Benzo(a)pyrene	NE	µg/L	0.0097 U	0.0095 U	0.0097 U	0.0099 U	0.010 U	0.010 U	0.0095 U	0.011 U	0.010 U	0.010 U
	Benzo(b)fluoranthene	NE	µg/L	0.0097 U	0.0095 U	0.0097 U	0.0099 U	0.010 U	0.010 U	0.0095 U	0.011 U	0.010 U	0.010 U
	Benzo(g,h,i)perylene	NE	µg/L	0.0097 U	0.0095 U	0.0097 U	0.0099 U	0.010 U	0.010 U	0.0095 U	0.011 U	0.010 U	0.010 U
	Benzo(k)fluoranthene	NE	µg/L	0.0097 U	0.0095 U	0.0097 U	0.0099 U	0.010 U	0.010 U	0.0095 U	0.011 U	0.010 U	0.010 U
	Chrysene	NE	µg/L	0.0097 U	0.0095 U	0.0097 U	0.0099 U	0.010 U	0.010 U	0.0095 U	0.011 U	0.010 U	0.010 U
	Dibenzo(a,h)anthracene	NE	µg/L	0.0097 U	0.0095 U	0.0097 U	0.0099 U	0.010 U	0.010 U	0.0095 U	0.011 U	0.010 U	0.010 U
	Fluoranthene	0.10	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.10 U	0.10 U
	Fluorene	10	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.12	0.10 U
	Indeno(1,2,3-c,d)pyrene	NE	µg/L	0.0097 U	0.0095 U	0.0097 U	0.0099 U	0.010 U	0.010 U	0.0095 U	0.011 U	0.010 U	0.010 U
	Naphthalene	8.9	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.10 U	0.10 U
	Phenanthrene	NE	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.10 U	0.10 U
	Pyrene	0.10	µg/L	0.097 U	0.095 U	0.097 U	0.099 U	0.10 U	0.10 U	0.095 U	0.11 U	0.10 U	0.10 U
TTEC (ND=0.5RL)		0.0076	µg/L	0.00732 U	0.00717 U	0.00732 U	0.00747 U	0.00755 U	0.00755 U	0.00717 U	0.0083 U	0.00755 U	0.00755 U

Notes:

* MW5 was sampled 2/3/22 as part of the additional sampling that is being performed on MW5 to derive background groundwater concentrations.

¹ Screening levels from the final Remedial Investigation Work Plan, Go East Corp Landfill Site, June 30, 2021.

mg/L = Milligram per liter

uS/cm = MicroSiemen per centimeter

mV = Millivolts

NTU = Nephelometric turbidity units

µg/L = Microgram per liter

NWTPH-GX = Northwest total petroleum hydrocarbons - gasoline range

NWTPH-DX = Northwest total petroleum hydrocarbons - diesel range

VOCs = Volatile organic compounds

SVOCs = Semivolatile organic compounds

PCBs = Polychlorinated biphenyls

PAHs = Polycyclic aromatic hydrocarbons

cPAHs = Carcinogenic polycyclic aromatic hydrocarbons

TTEC = Total toxic equivalent concentration of benzo(a)pyrene calculated per WAC 173-340-708(8)(e)(iii)(A) and using one-half the laboratory reporting limit for non-detected cPAHs.

NE = Cleanup level not established

-- = Not applicable

U = Not detected at the indicated reporting limit

Bold font = Detected

Gray shading = Exceeds screening level

Blue shading = Not detected at a reporting limit that is greater than the screening level

Table 2
Seep and Surface Water Analytical Results - March 2022
 Go East Landfill
 Everett, Washington

			Location ID	SEEP-1	SEEP-2	SWS-1
			Sample ID	SEEP 1-220317	SEEP 2-220317	SWS-1-20220321
			Sample Date	3/17/2022	3/17/2022	3/21/2022
Method	Analyte	Surface Water Screening Level ¹	Units			
Conventionals	Total Organic Carbon	NE	mg/L	4.3	9.4	13
	Alkalinity as CaCO3	NE	mg/L as CaCO3	--	--	--
	Ammonia (Total as N)	NE	mg/L	0.050 U	0.050 U	2.3
	Bicarbonate Ion (HCO3)	NE	mg/L as CaCO3	--	--	--
	Total Dissolved Solids	NE	mg/L	180	130	530
	Chloride	NE	mg/L	--	--	--
	Nitrate	NE	mg/L as N	--	--	--
Sulfate	NE	mg/L	--	--	--	
NWTPH-GX	Gasoline-range hydrocarbons	1000	µg/L	--	--	100 U
NWTPH-DX	Diesel-range hydrocarbons	3	mg/L	--	--	0.22 U
	Lube oil-range hydrocarbons	3	mg/L	--	--	0.22 U
Total Metals	Arsenic	5.0	µg/L	3.8	3.3 U	3.3 U
	Cadmium	4.4	µg/L	--	--	4.4 U
	Chromium	NE	µg/L	--	--	12
	Copper	11	µg/L	--	--	11 U
	Iron	1000	µg/L	11000	4300	12000
	Lead	1.1	µg/L	--	--	6.2
	Magnesium	NE	µg/L	--	--	--
	Manganese	50	µg/L	150	380	2000
	Mercury	0.025	µg/L	--	--	0.025 U
	Nickel	26	µg/L	--	--	22 U
	Selenium	5.6	µg/L	--	--	5.6 U
Zinc	100	µg/L	--	--	28 U	
Dissolved Metals	Arsenic	5.0	µg/L	--	--	--
	Cadmium	4.4	µg/L	--	--	--
	Calcium	NE	µg/L	--	--	--
	Chromium	NE	µg/L	--	--	--
	Copper	11	µg/L	--	--	--
	Iron	1000	µg/L	--	--	--
	Lead	1.1	µg/L	--	--	--
	Magnesium	NE	µg/L	--	--	--
	Manganese	50	µg/L	--	--	--
	Mercury	0.025	µg/L	--	--	--
	Nickel	26	µg/L	--	--	--
	Potassium	NE	µg/L	--	--	--
	Selenium	5.6	µg/L	--	--	--
	Sodium	NE	µg/L	--	--	--
Zinc	100	µg/L	--	--	--	
Organochlorine Pesticides	4,4'-DDD	0.0050	µg/L	--	--	0.0052 U
	4,4'-DDE	0.0050	µg/L	--	--	0.0052 U
	4,4'-DDT	0.0050	µg/L	--	--	0.0052 U
	Aldrin	0.0050	µg/L	--	--	0.0021 U
	Alpha-BHC	0.0050	µg/L	--	--	0.0052 U
	Beta-BHC	0.0050	µg/L	--	--	0.0052 U
	cis-Chlordane	0.0050	µg/L	--	--	0.0052 U
	Delta-BHC	NE	µg/L	--	--	0.0052 U
	Dieldrin	0.0050	µg/L	--	--	0.0052 U
	Endosulfan I	0.056	µg/L	--	--	0.0052 U
	Endosulfan II	0.056	µg/L	--	--	0.0052 U
	Endosulfan Sulfate	9.0	µg/L	--	--	0.0052 U
	Endrin	0.0050	µg/L	--	--	0.0052 U
	Endrin Aldehyde	0.034	µg/L	--	--	0.0052 U
	Endrin Ketone	NE	µg/L	--	--	0.021 U
	Gamma-BHC	0.080	µg/L	--	--	0.0052 U
	Heptachlor	0.0050	µg/L	--	--	0.0052 U
	Heptachlor Epoxide	0.0050	µg/L	--	--	0.0031 U
	Methoxychlor	0.020	µg/L	--	--	0.010 U
	Toxaphene	0.050	µg/L	--	--	0.052 U
trans-Chlordane	0.0050	µg/L	--	--	0.0052 U	
PCB Aroclors	PCB-Aroclor 1016	NE	µg/L	--	--	0.052 U
	PCB-Aroclor 1221	NE	µg/L	--	--	0.052 U
	PCB-Aroclor 1232	NE	µg/L	--	--	0.052 U
	PCB-Aroclor 1242	NE	µg/L	--	--	0.052 U
	PCB-Aroclor 1248	NE	µg/L	--	--	0.052 U
	PCB-Aroclor 1254	NE	µg/L	--	--	0.052 U
	PCB-Aroclor 1260	NE	µg/L	--	--	0.052 U
Total PCB Aroclors	0.050	µg/L	--	--	0.052 U	

			Location ID	SEEP-1	SEEP-2	SWS-1
			Sample ID	SEEP 1-220317	SEEP 2-220317	SWS-1-20220321
			Sample Date	3/17/2022	3/17/2022	3/21/2022
Method	Analyte	Surface Water Screening Level ¹	Units			
Herbicides	2,4,5-T	NE	µg/L	--	--	0.998 U
	2,4,5-TP	100	µg/L	--	--	0.998 U
	2,4-D	1300	µg/L	--	--	0.998 U
	2,4-DB	NE	µg/L	--	--	0.998 U
	3,5-Dichlorobenzoic Acid	NE	µg/L	--	--	0.998 U
	4-Nitrophenol	NE	µg/L	--	--	0.998 U
	Acifluorfen	NE	µg/L	--	--	4.99 U
	Bentazon	NE	µg/L	--	--	0.998 U
	Chloramben	NE	µg/L	--	--	0.998 U
	Chlorthal-dimethyl (DACTHAL)	NE	µg/L	--	--	2 U
	Dalapon	NE	µg/L	--	--	2 U
	Dicamba	NE	µg/L	--	--	0.998 U
	Dichlorprop	NE	µg/L	--	--	0.998 U
	Dinoseb	NE	µg/L	--	--	0.998 U
	MCPA	NE	µg/L	--	--	4.99 U
	MCPP	NE	µg/L	--	--	4.99 U
Picloram	NE	µg/L	--	--	0.998 U	
VOCs	1,1,1,2-Tetrachloroethane	NE	µg/L	--	--	0.20 U
	1,1,1-Trichloroethane	10000	µg/L	--	--	0.20 U
	1,1,2,2-Tetrachloroethane	0.20	µg/L	--	--	0.20 U
	1,1,2-Trichloroethane	0.35	µg/L	--	--	0.20 U
	1,1-Dichloroethane	NE	µg/L	--	--	0.20 U
	1,1-Dichloroethylene	300	µg/L	--	--	0.20 U
	1,1-Dichloropropene	NE	µg/L	--	--	0.20 U
	1,2,3-Trichlorobenzene	NE	µg/L	--	--	0.20 U
	1,2,3-Trichloropropane	NE	µg/L	--	--	0.20 U
	1,2,4-Trichlorobenzene	NE	µg/L	--	--	0.20 U
	1,2,4-Trimethylbenzene	NE	µg/L	--	--	0.20 U
	1,2-Dibromo-3-Chloropropane	NE	µg/L	--	--	1.0 U
	1,2-Dibromoethane	NE	µg/L	--	--	0.20 U
	1,2-Dichlorobenzene	NE	µg/L	--	--	0.20 U
	1,2-Dichloroethane	8.9	µg/L	--	--	0.20 U
	1,2-Dichloropropane	0.71	µg/L	--	--	0.20 U
	1,3,5-Trimethylbenzene	NE	µg/L	--	--	0.20 U
	1,3-Dichlorobenzene	NE	µg/L	--	--	0.20 U
	1,3-Dichloropropane	NE	µg/L	--	--	0.20 U
	1,4-Dichlorobenzene	NE	µg/L	--	--	0.20 U
	2,2-Dichloropropane	NE	µg/L	--	--	0.20 U
	2-Chlorotoluene	NE	µg/L	--	--	0.20 U
	2-Hexanone	NE	µg/L	--	--	2.0 U
	4-Chlorotoluene	NE	µg/L	--	--	0.20 U
	4-Isopropyltoluene	NE	µg/L	--	--	0.20 U
	Acetone	NE	µg/L	--	--	5.0 U
	Benzene	0.44	µg/L	--	--	0.20 U
	Bromobenzene	NE	µg/L	--	--	0.20 U
	Bromochloromethane	NE	µg/L	--	--	0.20 U
	Bromoform	4.6	µg/L	--	--	1.0 U
	Bromomethane	100	µg/L	--	--	0.20 U
	Carbon Disulfide	NE	µg/L	--	--	0.20 U
	Carbon Tetrachloride	0.20	µg/L	--	--	0.20 U
	Chlorobenzene	20	µg/L	--	--	0.20 U
	Chloroethane	NE	µg/L	--	--	1.0 U
	Chloroform	60	µg/L	--	--	0.20 U
	Chloromethane	NE	µg/L	--	--	1.0 U
	cis-1,2-Dichloroethylene	NE	µg/L	--	--	0.20 U
	cis-1,3-Dichloropropene	0.22	µg/L	--	--	0.20 U
	Dibromochloromethane	0.60	µg/L	--	--	0.20 U
Dibromomethane	NE	µg/L	--	--	0.20 U	
Dichlorobromomethane	0.73	µg/L	--	--	0.20 U	
Dichlorodifluoromethane	NE	µg/L	--	--	0.20 U	
Ethylbenzene	29	µg/L	--	--	0.20 U	
Hexachlorobutadiene	NE	µg/L	--	--	1.0 U	
Isopropylbenzene	NE	µg/L	--	--	0.20 U	
Methyl ethyl ketone (MEK)	NE	µg/L	--	--	5.0 U	
Methyl Iodide	NE	µg/L	--	--	1.6 U	
Methyl isobutyl ketone	NE	µg/L	--	--	2.0 U	
Methyl tert-butyl ether	NE	µg/L	--	--	0.20 U	
Methylene Chloride	10	µg/L	--	--	1.0 U	
Naphthalene	NE	µg/L	--	--	1.0 U	
n-Butylbenzene	NE	µg/L	--	--	0.20 U	
n-Propylbenzene	NE	µg/L	--	--	0.20 U	

			Location ID	SEEP-1	SEEP-2	SWS-1
			Sample ID	SEEP 1-220317	SEEP 2-220317	SWS-1-20220321
			Sample Date	3/17/2022	3/17/2022	3/21/2022
Method	Analyte	Surface Water Screening Level ¹	Units			
VOCs	Sec-Butylbenzene	NE	µg/L	--	--	0.20 U
	Styrene	NE	µg/L	--	--	0.20 U
	Tert-Butylbenzene	NE	µg/L	--	--	0.20 U
	Tetrachloroethylene	2.4	µg/L	--	--	0.20 U
	Toluene	57	µg/L	--	--	1.0 U
	trans-1,2-Dichloroethylene	100	µg/L	--	--	0.20 U
	trans-1,3-Dichloropropene	0.22	µg/L	--	--	0.20 U
	Trichloroethylene	0.30	µg/L	--	--	0.20 U
	Trichlorofluoromethane	NE	µg/L	--	--	0.20 U
	Vinyl Acetate	NE	µg/L	--	--	1.0 U
	Vinyl Chloride	0.20	µg/L	--	--	0.20 U
	Xylene, m-,p-	NE	µg/L	--	--	0.40 U
	Xylene, o-	NE	µg/L	--	--	0.20 U
	Total xylenes	NE	µg/L	--	--	0.40 U
SVOCs	1,2,4-Trichlorobenzene	1.0	µg/L	--	--	1.0 U
	1,2-Dichlorobenzene	700	µg/L	--	--	1.0 U
	1,2-Dinitrobenzene	NE	µg/L	--	--	1.0 U
	1,2-Diphenylhydrazine	1.0	µg/L	--	--	1.0 U
	1,3-Dichlorobenzene	2.0	µg/L	--	--	1.0 U
	1,3-Dinitrobenzene	NE	µg/L	--	--	1.0 U
	1,4-Dichlorobenzene	60	µg/L	--	--	1.0 U
	1,4-Dinitrobenzene	NE	µg/L	--	--	1.0 U
	2,3,4,6-Tetrachlorophenol	NE	µg/L	--	--	1.0 U
	2,3,5,6-Tetrachlorophenol	NE	µg/L	--	--	1.0 U
	2,3-Dichloroaniline	NE	µg/L	--	--	1.0 U
	2,4,5-Trichlorophenol	300	µg/L	--	--	1.0 U
	2,4,6-Trichlorophenol	1.0	µg/L	--	--	1.0 U
	2,4-Dichlorophenol	10	µg/L	--	--	1.0 U
	2,4-Dimethylphenol	85	µg/L	--	--	1.0 U
	2,4-Dinitrophenol	10	µg/L	--	--	5.2 U
	2,4-Dinitrotoluene	1.0	µg/L	--	--	1.0 U
	2,6-Dinitrotoluene	600	µg/L	--	--	1.0 U
	2-Chloronaphthalene	100	µg/L	--	--	1.0 U
	2-Chlorophenol	15	µg/L	--	--	1.0 U
	2-methylphenol	8000000	µg/L	--	--	1.0 U
	2-Nitroaniline	NE	µg/L	--	--	1.0 U
	2-Nitrophenol	NE	µg/L	--	--	1.0 U
	3&4-Methylphenol	NE	µg/L	--	--	1.0 U
	3,3'-Dichlorobenzidine	1.0	µg/L	--	--	1.0 U
	3-Nitroaniline	NE	µg/L	--	--	1.0 U
	4,6-Dinitro-2-Methylphenol	5.0	µg/L	--	--	5.2 U
	4-Bromophenyl phenyl ether	NE	µg/L	--	--	1.0 U
	4-Chloro-3-Methylphenol	36	µg/L	--	--	1.0 U
	4-Chloroaniline	NE	µg/L	--	--	1.0 U
	4-Chlorophenyl phenyl ether	NE	µg/L	--	--	1.0 U
	4-Nitroaniline	4600	µg/L	--	--	1.0 U
	4-Nitrophenol	NE	µg/L	--	--	5.2 U
	Aniline	NE	µg/L	--	--	5.2 U
	Benzyl Alcohol	NE	µg/L	--	--	1.0 U
	Bis(2-Chloroethoxy)Methane	NE	µg/L	--	--	1.0 U
	Bis(2-Chloroethyl)Ether	NE	µg/L	--	--	1.0 U
	Bis(2-chloroisopropyl) ether	1.0	µg/L	--	--	1.0 U
	Bis(2-Ethylhexyl) Phthalate	1.0	µg/L	--	--	5.2 U
	Butyl benzyl Phthalate	1.0	µg/L	--	--	1.0 U
	Carbazole	51	µg/L	--	--	1.0 U
	Di(2-ethylhexyl)adipate	NE	µg/L	--	--	5.2 U
	Dibenzofuran	NE	µg/L	--	--	1.0 U
	Dibutyl Phthalate	8.0	µg/L	--	--	5.2 U
	Diethyl Phthalate	200	µg/L	--	--	1.0 U
	Dimethyl Phthalate	600	µg/L	--	--	5.2 U
	Di-N-Octyl Phthalate	1.0	µg/L	--	--	1.0 U
	Hexachlorobenzene	1.0	µg/L	--	--	1.0 U
	Hexachlorobutadiene	1.0	µg/L	--	--	1.0 U
	Hexachlorocyclopentadiene	1.0	µg/L	--	--	1.0 U
Hexachloroethane	1.0	µg/L	--	--	1.0 U	
Isophorone	27	µg/L	--	--	1.0 U	
Nitrobenzene	10	µg/L	--	--	1.0 U	
N-Nitrosodimethylamine	1.0	µg/L	--	--	1.0 U	
N-Nitrosodi-n-propylamine	1.0	µg/L	--	--	1.0 U	
N-Nitrosodiphenylamine	1.0	µg/L	--	--	1.0 U	
Pentachlorophenol	5.0	µg/L	--	--	5.2 U	
Phenol	160	µg/L	--	--	1.0 U	
Pyridine	NE	µg/L	--	--	1.0 U	

			Location ID Sample ID Sample Date	SEEP-1 SEEP 1-220317 3/17/2022	SEEP-2 SEEP 2-220317 3/17/2022	SWS-1 SWS-1-20220321 3/21/2022
Method	Analyte	Surface Water Screening Level ¹	Units			
PAHs	1-Methylnaphthalene	NE	µg/L	--	--	0.10 U
	2-Methylnaphthalene	NE	µg/L	--	--	0.10 U
	Acenaphthene	30	µg/L	--	--	0.77
	Acenaphthylene	NE	µg/L	--	--	0.10 U
	Anthracene	100	µg/L	--	--	0.10 U
	Benzo(a)anthracene	NE	µg/L	--	--	0.010 U
	Benzo(a)pyrene	NE	µg/L	--	--	0.010 U
	Benzo(b)fluoranthene	NE	µg/L	--	--	0.010 U
	Benzo(g,h,i)perylene	NE	µg/L	--	--	0.010 U
	Benzo(j,k)fluoranthene	NE	µg/L	--	--	0.010 U
	Chrysene	NE	µg/L	--	--	0.010 U
	Dibenzo(a,h)anthracene	NE	µg/L	--	--	0.010 U
	Fluoranthene	0.10	µg/L	--	--	0.10 U
	Fluorene	10	µg/L	--	--	0.21
	Indeno(1,2,3-c,d)pyrene	NE	µg/L	--	--	0.010 U
	Naphthalene	1400	µg/L	--	--	0.10 U
	Phenanthrene	NE	µg/L	--	--	0.10 U
	Pyrene	0.10	µg/L	--	--	0.10 U
TTEC (ND=0.5RL)	0.0076	µg/L	--	--	0.00755 U	

Notes:

¹ Screening levels from the final Remedial Investigation Work Plan, Go East Corp Landfill Site, June 30, 2021.

mg/L = Milligram per liter

µg/L = Microgram per liter

NWTPH-GX = Northwest total petroleum hydrocarbons - gasoline range

NWTPH-DX = Northwest total petroleum hydrocarbons - diesel range

VOCs = Volatile organic compounds

SVOCs = Semivolatile organic compounds

PCBs = Polychlorinated biphenyls

PAHs = Polycyclic aromatic hydrocarbons

cPAHs = Carcinogenic polycyclic aromatic hydrocarbons

TTEC = Total toxic equivalent concentration of benzo(a)pyrene calculated per WAC 173-340-708(8)(e)(iii)(A) and using one-half the laboratory reporting limit for non-detected cPAHs.

NE = Cleanup level not established

-- = Not applicable

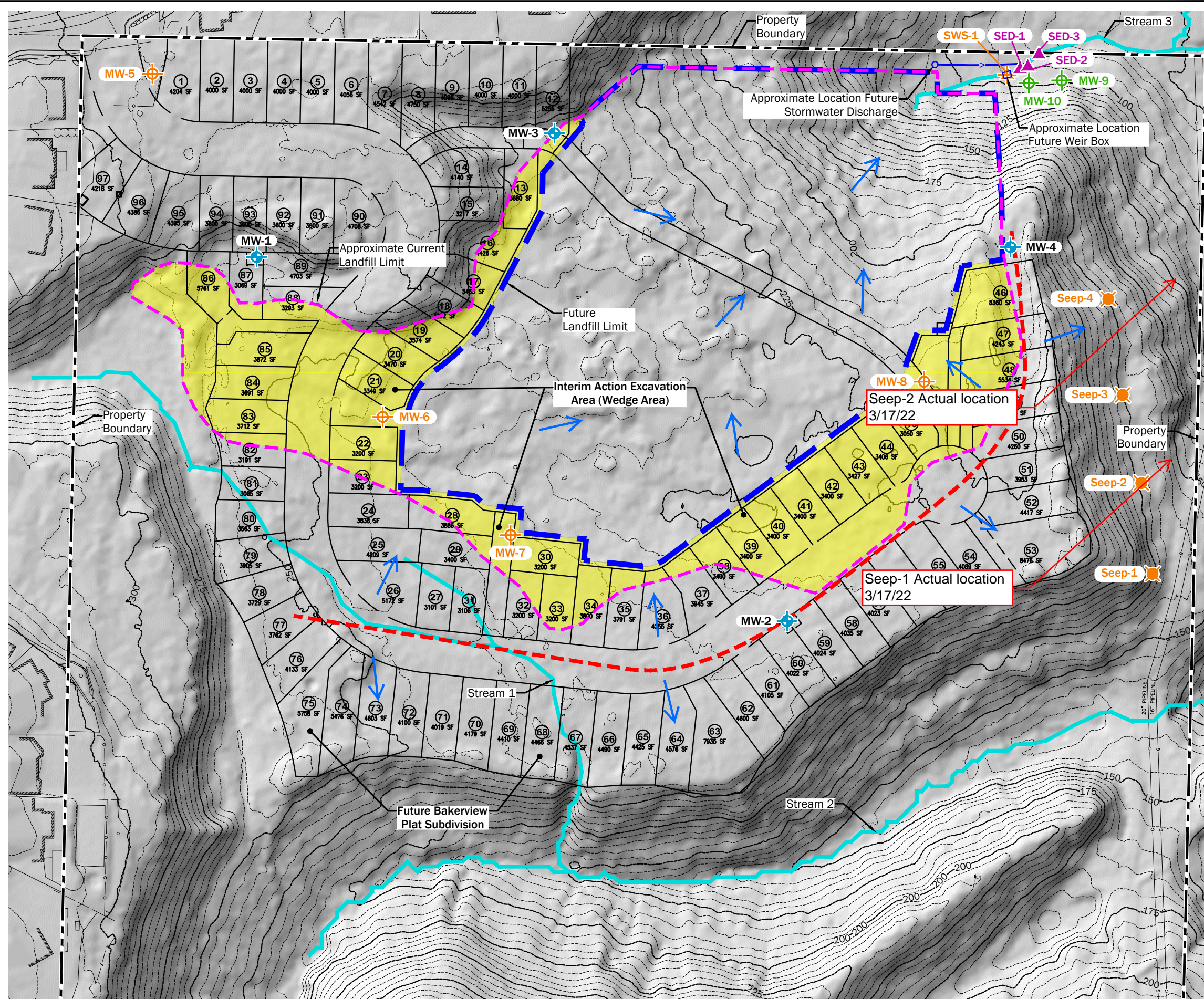
U = Not detected at the indicated reporting limit

Bold font = Detected

Gray shading = Exceeds screening level

Blue shading = Not detected at a reporting limit that is greater than the screening level

\\geoengineers.com\WAN\Projects\616694002\CAD\03\Draft RI Work Plan\669400203_F04-F09_Site Plan.dwg TAB:F09 Date Exported: 06/17/21 - 14:16 by mwwoods



Legend

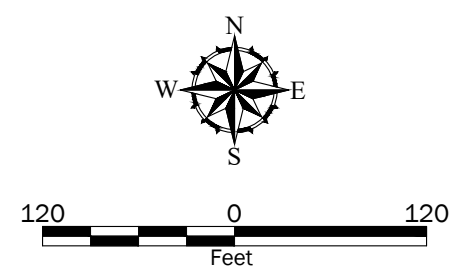
- Property Boundary
- Interim Action Excavation Area (Wedge Area)
- Approximate Current Landfill Limit
- Future Landfill Limit
- Inferred Groundwater Divide
- Inferred Groundwater Flow Direction
- Existing Groundwater Monitoring Well
- Groundwater Monitoring Well to be Installed as part of RI and Landfill Closure
- Proposed Groundwater Monitoring Well to be Installed as part of RI
- Proposed Stream 3 Surface Water Sampling Station
- Approximate Proposed Groundwater Seep Sampling Location
- Approximate Proposed Sediment Sampling Location

Notes:

- The locations of all features shown are approximate.
- The locations shown for MW-9, MW-10, and SED-1 through SED-3 are schematic and will be field fit based on installed locations of infrastructure.
- This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Property boundary survey from PACE Engineers, dated 1/27/2020.
Lidar image and elevation contours from Puget Sound Lidar Consortium dated 2013.

Projection: HPGN (HARN) Washington State Planes, North Zone, US Foot



Remedial Investigation Sampling Locations	
Go East Corp Landfill Site Everett, Washington	
	Figure 1

APPENDIX A

Laboratory Data Deliverables



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

March 24, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2203-089

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 7, 2022.

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 stroke 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: March 24, 2022
Samples Submitted: March 7, 2022
Laboratory Reference: 2203-089
Project: 6694-002-05 T700

Case Narrative

Samples were collected on March 7, 2022 and received by the laboratory on March 7, 2022. 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.

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.

Nitrate (as Nitrogen) EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot from each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

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: March 24, 2022
Samples Submitted: March 7, 2022
Laboratory Reference: 2203-089
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
GW-5-20220307	03-089-01	Water	3-7-22	3-7-22	



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Gasoline	ND	100	NWTPH-Gx	3-9-22	3-9-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	66-117				



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**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-5-20220307					
Laboratory ID:	03-089-01					
Diesel Range Organics	ND	0.21	NWTPH-Dx	3-15-22	3-15-22	X1
Lube Oil Range Organics	ND	0.21	NWTPH-Dx	3-15-22	3-15-22	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>108</i>	<i>50-150</i>				



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Dichlorodifluoromethane	ND	0.28	EPA 8260D	3-9-22	3-9-22	
Chloromethane	ND	1.6	EPA 8260D	3-9-22	3-9-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Bromomethane	ND	2.8	EPA 8260D	3-9-22	3-9-22	
Chloroethane	ND	1.0	EPA 8260D	3-9-22	3-9-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Acetone	ND	5.0	EPA 8260D	3-9-22	3-9-22	
Iodomethane	ND	8.5	EPA 8260D	3-9-22	3-9-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-9-22	3-9-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-9-22	3-9-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
2-Butanone	ND	5.0	EPA 8260D	3-9-22	3-9-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Chloroform	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Carbon Tetrachloride	ND	0.28	EPA 8260D	3-9-22	3-9-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Benzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Trichloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Dibromomethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-9-22	3-9-22	
Toluene	ND	1.0	EPA 8260D	3-9-22	3-9-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-9-22	3-9-22	



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
2-Hexanone	ND	2.0	EPA 8260D	3-9-22	3-9-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-9-22	3-9-22	
o-Xylene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Styrene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Bromoform	ND	1.0	EPA 8260D	3-9-22	3-9-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Bromobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-9-22	3-9-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-9-22	3-9-22	
Naphthalene	10	1.0	EPA 8260D	3-9-22	3-9-22	Y
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-125</i>				



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

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-5-20220307					
Laboratory ID:	03-089-01					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Pyridine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Phenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Aniline	ND	5.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-11-22	3-11-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Isophorone	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Dimethylphthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
2,4-Dinitrophenol	ND	7.9	EPA 8270E	3-11-22	3-11-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4-Nitrophenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Pentachlorophenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Carbazole	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	46	10 - 82				
Phenol-d6	34	10 - 92				
Nitrobenzene-d5	71	32 - 105				
2-Fluorobiphenyl	68	38 - 105				
2,4,6-Tribromophenol	78	25 - 124				
Terphenyl-d14	70	42 - 116				



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PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Aroclor 1016	ND	0.048	EPA 8082A	3-10-22	3-16-22	
Aroclor 1221	ND	0.048	EPA 8082A	3-10-22	3-16-22	
Aroclor 1232	ND	0.048	EPA 8082A	3-10-22	3-16-22	
Aroclor 1242	ND	0.048	EPA 8082A	3-10-22	3-16-22	
Aroclor 1248	ND	0.048	EPA 8082A	3-10-22	3-16-22	
Aroclor 1254	ND	0.048	EPA 8082A	3-10-22	3-16-22	
Aroclor 1260	ND	0.048	EPA 8082A	3-10-22	3-16-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>90</i>	<i>42-140</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
alpha-BHC	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
gamma-BHC (Lindane)	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
beta-BHC	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
delta-BHC	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Heptachlor	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Aldrin	ND	0.0019	EPA 8081B	3-10-22	3-15-22	
Heptachlor Epoxide	ND	0.0029	EPA 8081B	3-10-22	3-15-22	
gamma-Chlordane	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
alpha-Chlordane	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
4,4'-DDE	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Endosulfan I	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Dieldrin	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Endrin	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
4,4'-DDD	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Endosulfan II	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
4,4'-DDT	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Endrin Aldehyde	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Methoxychlor	ND	0.0095	EPA 8081B	3-10-22	3-15-22	
Endosulfan Sulfate	ND	0.0048	EPA 8081B	3-10-22	3-15-22	
Endrin Ketone	ND	0.019	EPA 8081B	3-10-22	3-15-22	
Toxaphene	ND	0.048	EPA 8081B	3-10-22	3-15-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	49	25-114				
DCB	67	30-137				



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TOTAL METALS
EPA 200.7/200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Arsenic	6.6	3.3	EPA 200.8	3-14-22	3-14-22	
Cadmium	ND	4.4	EPA 200.8	3-14-22	3-14-22	
Chromium	ND	11	EPA 200.8	3-14-22	3-14-22	
Copper	ND	11	EPA 200.8	3-14-22	3-14-22	
Iron	130	50	EPA 200.7	3-11-22	3-11-22	
Lead	ND	1.1	EPA 200.8	3-14-22	3-14-22	
Magnesium	13000	1000	EPA 200.7	3-11-22	3-11-22	
Manganese	270	10	EPA 200.7	3-11-22	3-11-22	
Mercury	ND	0.025	EPA 7470A	3-16-22	3-16-22	
Nickel	ND	22	EPA 200.8	3-14-22	3-14-22	
Selenium	ND	5.6	EPA 200.8	3-14-22	3-14-22	
Zinc	ND	28	EPA 200.8	3-14-22	3-14-22	



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DISSOLVED METALS
EPA 200.7/200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Arsenic	5.7	3.0	EPA 200.8		3-10-22	
Cadmium	ND	4.0	EPA 200.8		3-10-22	
Calcium	28000	1100	EPA 200.7		3-15-22	
Chromium	ND	10	EPA 200.8		3-10-22	
Copper	ND	10	EPA 200.8		3-10-22	
Iron	65	56	EPA 200.7		3-15-22	
Lead	ND	1.0	EPA 200.8		3-10-22	
Magnesium	14000	1100	EPA 200.7		3-15-22	
Manganese	280	11	EPA 200.7		3-15-22	
Mercury	ND	0.025	EPA 7470A		3-11-22	
Nickel	ND	20	EPA 200.8		3-10-22	
Potassium	2000	1100	EPA 200.7		3-15-22	
Selenium	ND	5.0	EPA 200.8		3-10-22	
Sodium	6500	1100	EPA 200.7		3-15-22	
Zinc	ND	25	EPA 200.8		3-10-22	



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TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Total Alkalinity	120	2.0	SM 2320B	3-11-22	3-11-22	



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**BICARBONATE
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Bicarbonate Concentration	120	2.0	SM 2320B	3-11-22	3-11-22	



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**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Total Dissolved Solids	150	13	SM 2540C	3-11-22	3-11-22	



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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Chloride	6.2	2.0	SM 4500-Cl E	3-11-22	3-11-22	



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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Nitrate	ND	0.050	EPA 353.2	3-11-22	3-11-22	



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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Sulfate	14	5.0	ASTM D516-11	3-14-22	3-14-22	



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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-5-20220307					
Laboratory ID:	03-089-01					
Ammonia	ND	0.050	SM 4500-NH3 D	3-10-22	3-10-22	



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**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:	MB0309W2					
Gasoline	ND	100	NWTPH-Gx	3-9-22	3-9-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-080-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				86	86	66-117		



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**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:	MB0315W1					
Diesel Range Organics	ND	0.20	NWTPH-Dx	3-15-22	3-15-22	X1
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	3-15-22	3-15-22	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>104</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0315W1							
	ORIG	DUP						
Diesel Fuel #2	0.450	0.417	NA	NA	NA	NA	8	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				120	110	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309W1					
Dichlorodifluoromethane	ND	0.28	EPA 8260D	3-9-22	3-9-22	
Chloromethane	ND	1.6	EPA 8260D	3-9-22	3-9-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Bromomethane	ND	2.8	EPA 8260D	3-9-22	3-9-22	
Chloroethane	ND	1.0	EPA 8260D	3-9-22	3-9-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Acetone	ND	5.0	EPA 8260D	3-9-22	3-9-22	
Iodomethane	ND	8.5	EPA 8260D	3-9-22	3-9-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-9-22	3-9-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-9-22	3-9-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
2-Butanone	ND	5.0	EPA 8260D	3-9-22	3-9-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Chloroform	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Carbon Tetrachloride	ND	0.28	EPA 8260D	3-9-22	3-9-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Benzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Trichloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Dibromomethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-9-22	3-9-22	
Toluene	ND	1.0	EPA 8260D	3-9-22	3-9-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-9-22	3-9-22	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0309W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
2-Hexanone	ND	2.0	EPA 8260D	3-9-22	3-9-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-9-22	3-9-22	
o-Xylene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Styrene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Bromoform	ND	1.0	EPA 8260D	3-9-22	3-9-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Bromobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-9-22	3-9-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-9-22	3-9-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-9-22	3-9-22	
Naphthalene	ND	1.0	EPA 8260D	3-9-22	3-9-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-9-22	3-9-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0309W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.88	9.85	10.0	10.0	99	99	78-125	0	19	
Benzene	9.38	9.33	10.0	10.0	94	93	80-119	1	16	
Trichloroethene	10.3	10.4	10.0	10.0	103	104	80-121	1	18	
Toluene	9.97	9.99	10.0	10.0	100	100	80-117	0	18	
Chlorobenzene	10.7	10.3	10.0	10.0	107	103	80-117	4	17	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					96	93	75-127			
<i>Toluene-d8</i>					101	101	80-127			
<i>4-Bromofluorobenzene</i>					100	98	78-125			



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**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:	MB0311W1					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Pyridine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Phenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Aniline	ND	5.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-11-22	3-11-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Isophorone	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Dimethylphthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	



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

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
2,4-Dinitrophenol	ND	7.9	EPA 8270E	3-11-22	3-11-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4-Nitrophenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Pentachlorophenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Carbazole	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	51	10 - 82				
Phenol-d6	37	10 - 92				
Nitrobenzene-d5	75	32 - 105				
2-Fluorobiphenyl	67	38 - 105				
2,4,6-Tribromophenol	86	25 - 124				
Terphenyl-d14	75	42 - 116				



Date of Report: March 24, 2022
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 Project: 6694-002-05 T700

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0311W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	14.9	12.8	40.0	40.0	37	32	21 - 53	15	26	
2-Chlorophenol	28.8	24.6	40.0	40.0	72	62	38 - 92	16	28	
1,4-Dichlorobenzene	10.5	9.56	20.0	20.0	53	48	30 - 88	9	32	
n-Nitroso-di-n-propylamine	15.0	13.2	20.0	20.0	75	66	40 - 103	13	27	
1,2,4-Trichlorobenzene	12.1	10.7	20.0	20.0	61	54	37 - 95	12	29	
4-Chloro-3-methylphenol	31.8	29.9	40.0	40.0	80	75	50 - 101	6	17	
Acenaphthene	14.0	13.3	20.0	20.0	70	67	46 - 97	5	19	
4-Nitrophenol	19.4	19.2	40.0	40.0	49	48	23 - 64	1	34	
2,4-Dinitrotoluene	14.9	14.3	20.0	20.0	75	72	46 - 100	4	17	
Pentachlorophenol	38.5	35.6	40.0	40.0	96	89	39 - 123	8	29	
Pyrene	14.8	14.4	20.0	20.0	74	72	52 - 107	3	19	
<i>Surrogate:</i>										
2-Fluorophenol					54	45	10 - 82			
Phenol-d6					39	33	10 - 92			
Nitrobenzene-d5					76	65	32 - 105			
2-Fluorobiphenyl					66	64	38 - 105			
2,4,6-Tribromophenol					87	80	25 - 124			
Terphenyl-d14					71	69	42 - 116			



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0310W1					
Aroclor 1016	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1221	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1232	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1242	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1248	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1254	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1260	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	48		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0310W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.408	0.408	0.500	0.500	N/A	82	82	73-131	0	12	
Surrogate:											
DCB						86	90	42-140			



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0310W1					
alpha-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
beta-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
delta-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Heptachlor	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Aldrin	ND	0.0020	EPA 8081B	3-10-22	3-15-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-10-22	3-15-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDE	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endosulfan I	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Dieldrin	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDD	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endosulfan II	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDT	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Methoxychlor	ND	0.010	EPA 8081B	3-10-22	3-15-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-10-22	3-15-22	
Toxaphene	ND	0.050	EPA 8081B	3-10-22	3-15-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	56	25-114				
DCB	50	30-137				



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	SB	SBD	SB	SBD	Result	Recovery	Limits	Limit			
SPIKE BLANKS											
Laboratory ID:	SB0310W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0855	0.0766	0.100	0.100	N/A	85	77	42-113	11	19	
gamma-BHC (Lindane)	0.0829	0.0725	0.100	0.100	N/A	83	72	45-114	13	15	
beta-BHC	0.0823	0.0736	0.100	0.100	N/A	82	74	40-118	11	15	
delta-BHC	0.0875	0.0761	0.100	0.100	N/A	88	76	20-125	14	15	
Heptachlor	0.0774	0.0758	0.100	0.100	N/A	77	76	41-120	2	16	
Aldrin	0.0734	0.0736	0.100	0.100	N/A	73	74	35-115	0	15	
Heptachlor Epoxide	0.0818	0.0762	0.100	0.100	N/A	82	76	50-118	7	15	
gamma-Chlordane	0.0786	0.0700	0.100	0.100	N/A	79	70	46-110	12	15	
alpha-Chlordane	0.0783	0.0702	0.100	0.100	N/A	78	70	38-112	11	15	
4,4'-DDE	0.0837	0.0754	0.100	0.100	N/A	84	75	41-127	10	15	
Endosulfan I	0.0848	0.0771	0.100	0.100	N/A	85	77	45-119	10	15	
Dieldrin	0.0841	0.0743	0.100	0.100	N/A	84	74	46-115	12	15	
Endrin	0.0977	0.0854	0.100	0.100	N/A	98	85	52-124	13	15	
4,4'-DDD	0.0946	0.0836	0.100	0.100	N/A	95	84	52-121	12	15	
Endosulfan II	0.0875	0.0760	0.100	0.100	N/A	87	76	44-114	14	15	
4,4'-DDT	0.0929	0.0899	0.100	0.100	N/A	93	90	48-123	3	15	
Endrin Aldehyde	0.101	0.0913	0.100	0.100	N/A	101	91	45-114	10	15	
Methoxychlor	0.123	0.107	0.100	0.100	N/A	123	107	49-130	14	15	
Endosulfan Sulfate	0.0859	0.0754	0.100	0.100	N/A	86	75	39-117	13	15	
Endrin Ketone	0.0842	0.0768	0.100	0.100	N/A	84	77	53-119	9	15	
Surrogate:											
TCMX						60	64	25-114			
DCB						80	67	30-137			



Date of Report: March 24, 2022
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**TOTAL METALS
 EPA 200.7/200.8/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311WH1					
Iron	ND	50	EPA 200.7	3-11-22	3-11-22	
Magnesium	ND	1000	EPA 200.7	3-11-22	3-11-22	
Manganese	ND	10	EPA 200.7	3-11-22	3-11-22	
METHOD BLANK						
Laboratory ID:	MB0314WM1					
Arsenic	ND	3.3	EPA 200.8	3-14-22	3-14-22	
Cadmium	ND	4.4	EPA 200.8	3-14-22	3-14-22	
Chromium	ND	11	EPA 200.8	3-14-22	3-14-22	
Copper	ND	11	EPA 200.8	3-14-22	3-14-22	
Lead	ND	1.1	EPA 200.8	3-14-22	3-14-22	
Nickel	ND	22	EPA 200.8	3-14-22	3-14-22	
Selenium	ND	5.6	EPA 200.8	3-14-22	3-14-22	
Zinc	ND	28	EPA 200.8	3-14-22	3-14-22	
METHOD BLANK						
Laboratory ID:	MB0316W1					
Mercury	ND	0.025	EPA 7470A	3-16-22	3-16-22	



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.7/200.8/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-089-01									
	ORIG	DUP								
Iron	131	188	NA	NA		NA	NA	36	20	C
Magnesium	13300	13900	NA	NA		NA	NA	4	20	
Manganese	266	278	NA	NA		NA	NA	4	20	

Laboratory ID:	03-091-01									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	03-124-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	03-089-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	20800	20600	20000	20000	131	103	102	75-125	1	20
Magnesium	32400	31700	20000	20000	13300	96	92	75-125	2	20
Manganese	740	727	500	500	266	95	92	75-125	2	20

Laboratory ID:	03-091-01									
Arsenic	122	118	111	111	ND	110	106	75-125	4	20
Cadmium	118	108	111	111	ND	107	97	75-125	9	20
Chromium	117	108	111	111	ND	106	98	75-125	8	20
Copper	110	100	111	111	ND	99	90	75-125	9	20
Lead	113	102	111	111	ND	102	92	75-125	10	20
Nickel	112	102	111	111	ND	101	92	75-125	10	20
Selenium	125	111	111	111	ND	113	100	75-125	11	20
Zinc	116	109	111	111	ND	105	98	75-125	7	20

Laboratory ID:	03-124-01									
Mercury	6.35	6.38	6.25	6.25	ND	102	102	75-125	0	20



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**DISSOLVED METALS
 EPA 200.7/200.8/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0315D1					
Calcium	ND	1100	EPA 200.7		3-15-22	
Iron	ND	56	EPA 200.7		3-15-22	
Magnesium	ND	1100	EPA 200.7		3-15-22	
Manganese	ND	11	EPA 200.7		3-15-22	
Potassium	ND	1100	EPA 200.7		3-15-22	
Sodium	ND	1100	EPA 200.7		3-15-22	
METHOD BLANK						
Laboratory ID:	MB0309F1					
Arsenic	ND	3.0	EPA 200.8		3-10-22	
Cadmium	ND	4.0	EPA 200.8		3-10-22	
Chromium	ND	10	EPA 200.8		3-10-22	
Copper	ND	10	EPA 200.8		3-10-22	
Lead	ND	1.0	EPA 200.8		3-10-22	
Nickel	ND	20	EPA 200.8		3-10-22	
Selenium	ND	5.0	EPA 200.8		3-10-22	
Zinc	ND	25	EPA 200.8		3-10-22	
METHOD BLANK						
Laboratory ID:	MB0311D1					
Mercury	ND	0.025	EPA 7470A		3-11-22	



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.7/200.8/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-124-01									
	ORIG	DUP								
Calcium	24100	24400	NA	NA		NA	NA	1		20
Iron	ND	ND	NA	NA		NA	NA	NA		20
Magnesium	13000	13200	NA	NA		NA	NA	2		20
Manganese	178	181	NA	NA		NA	NA	2		20
Potassium	1860	1820	NA	NA		NA	NA	2		20
Sodium	7050	7030	NA	NA		NA	NA	0		20
Laboratory ID:	03-114-01									
Arsenic	ND	ND	NA	NA		NA	NA	NA		20
Cadmium	ND	ND	NA	NA		NA	NA	NA		20
Chromium	ND	ND	NA	NA		NA	NA	NA		20
Copper	ND	ND	NA	NA		NA	NA	NA		20
Lead	ND	ND	NA	NA		NA	NA	NA		20
Nickel	ND	ND	NA	NA		NA	NA	NA		20
Selenium	ND	ND	NA	NA		NA	NA	NA		20
Zinc	ND	ND	NA	NA		NA	NA	NA		20
Laboratory ID:	03-089-01									
Mercury	ND	ND	NA	NA		NA	NA	NA		20



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.7/200.8/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		
					Result	Recovery	Limits	RPD	Limit	Flags
MATRIX SPIKES										
Laboratory ID:	03-124-01									
	MS	MSD	MS	MSD		MS	MSD			
Calcium	48000	47800	22200	22200	24100	108	107	75-125	0	20
Iron	25600	25900	22200	22200	ND	116	117	75-125	1	20
Magnesium	36500	36500	22200	22200	13000	106	106	75-125	0	20
Manganese	729	727	556	556	178	99	99	75-125	0	20
Potassium	28000	28300	22200	22200	1860	118	119	75-125	1	20
Sodium	30700	30900	22200	22200	7050	107	107	75-125	0	20
Laboratory ID:	03-114-01									
Arsenic	82.6	81.4	80.0	80.0	ND	103	102	75-125	1	20
Cadmium	78.8	79.0	80.0	80.0	ND	99	99	75-125	0	20
Chromium	76.0	74.4	80.0	80.0	ND	95	93	75-125	2	20
Copper	72.2	71.4	80.0	80.0	ND	90	89	75-125	1	20
Lead	77.4	76.2	80.0	80.0	ND	97	95	75-125	2	20
Nickel	75.6	74.8	80.0	80.0	ND	95	94	75-125	1	20
Selenium	77.4	76.2	80.0	80.0	ND	97	95	75-125	2	20
Zinc	83.6	84.4	80.0	80.0	ND	105	106	75-125	1	20
Laboratory ID:	03-089-01									
Mercury	6.05	6.03	6.25	6.25	ND	97	96	75-125	0	20



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Total Alkalinity	ND	2.0	SM 2320B	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-052-02							
	ORIG	DUP						
Total Alkalinity	25.0	25.5	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Total Alkalinity	104	100	NA	104	89-110	NA	NA	



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**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Bicarbonate Concentration	ND	2.0	SM 2320B	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-052-02							
	ORIG	DUP						
Total Alkalinity	25.0	25.5	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Total Alkalinity	104	100	NA	104	89-110	NA	NA	



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 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Total Dissolved Solids	ND	13	SM 2540C	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-120-02							
	ORIG	DUP						
Total Dissolved Solids	360	376	NA	NA	NA	NA	4	29

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Total Dissolved Solids	489	500	NA	98	84-110	NA	NA	



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 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**CHLORIDE
 SM 4500-CI E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Chloride	ND	2.0	SM 4500-CI E	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-089-01							
	ORIG	DUP						
Chloride	6.16	6.12	NA	NA	NA	1	15	

MATRIX SPIKE								
Laboratory ID:	03-089-01							
	MS	MS		MS				
Chloride	58.2	50.0	6.16	104	86-115	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Chloride	50.7	50.0	NA	101	86-115	NA	NA	



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 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Nitrate	ND	0.050	EPA 353.2	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-089-01							
	ORIG	DUP						
Nitrate	ND	ND	NA	NA	NA	NA	16	

MATRIX SPIKE								
Laboratory ID:	03-089-01							
	MS	MS		MS				
Nitrate	2.37	2.00	ND	119	92-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Nitrate	2.25	2.00	NA	113	90-121	NA	NA	



Date of Report: March 24, 2022
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 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0314W1					
Sulfate	ND	5.0	ASTM D516-11	3-14-22	3-14-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-080-04							
	ORIG	DUP						
Sulfate	8.40	8.46	NA	NA	NA	1	10	

MATRIX SPIKE								
Laboratory ID:	03-080-04							
	MS	MS		MS				
Sulfate	18.2	10.0	8.40	98	69-139	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0314W1							
	SB	SB		SB				
Sulfate	8.91	10.0	NA	89	89-117	NA	NA	



Date of Report: March 24, 2022
 Samples Submitted: March 7, 2022
 Laboratory Reference: 2203-089
 Project: 6694-002-05 T700

**AMMONIA (as Nitrogen)
 SM 4500-NH₃ D
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0310W1					
Ammonia	ND	0.050	SM 4500-NH ₃ D	3-10-22	3-10-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-034-01							
	ORIG	DUP						
Ammonia	ND	ND	NA	NA	NA	NA	19	

MATRIX SPIKE								
Laboratory ID:	03-034-01							
	MS	MS		MS				
Ammonia	4.82	5.00	ND	96	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0310W1							
	SB	SB		SB				
Ammonia	4.82	5.00	NA	96	88-110	NA	NA	





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





3600 Fremont Ave. N.
Seattle, WA 98103
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F: (206) 352-7178
info@fremontanalytical.com

OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 03-089

Work Order Number: 2203262

March 24, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 3/10/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



Date: 03/24/2022

CLIENT: OnSite Environmental Inc
Project: 03-089
Work Order: 2203262

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203262-001	GW-5-20220307	03/07/2022 2:30 PM	03/10/2022 11:36 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc**Project:** 03-089

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc
Project: 03-089
Lab ID: 2203262-001
Client Sample ID: GW-5-20220307

Collection Date: 3/7/2022 2:30:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 35716 Analyst: SB

Dicamba	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
2,4-D	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
2,4-DP	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
2,4,5-TP (Silvex)	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
2,4,5-T	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
Dinoseb	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
Dalapon	ND	1.99		µg/L	1	3/21/2022 1:01:23 PM
2,4-DB	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
MCPP	ND	4.98		µg/L	1	3/21/2022 1:01:23 PM
MCPA	ND	4.98		µg/L	1	3/21/2022 1:01:23 PM
Picloram	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
Bentazon	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
Chloramben	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
Acifluorfen	ND	4.98		µg/L	1	3/21/2022 1:01:23 PM
3,5-Dichlorobenzoic acid	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
4-Nitrophenol	ND	0.996		µg/L	1	3/21/2022 1:01:23 PM
Dacthal (DCPA)	ND	1.99		µg/L	1	3/21/2022 1:01:23 PM
Surr: 2,4-Dichlorophenylacetic acid	91.9	65.7 - 136		%Rec	1	3/21/2022 1:01:23 PM

Work Order: 2203262
 CLIENT: OnSite Environmental Inc
 Project: 03-089

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-35716	SampType: MBLK	Units: µg/L	Prep Date: 3/14/2022	RunNo: 74173							
Client ID: MBLKW	Batch ID: 35716		Analysis Date: 3/21/2022	SeqNo: 1521239							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	1.00									
2,4-D	ND	1.00									
2,4-DP	ND	1.00									
2,4,5-TP (Silvex)	ND	1.00									
2,4,5-T	ND	1.00									
Dinoseb	ND	1.00									
Dalapon	ND	2.00									
2,4-DB	ND	1.00									
MCPP	ND	5.00									
MCPA	ND	5.00									
Picloram	ND	1.00									
Bentazon	ND	1.00									
Chloramben	ND	1.00									
Acifluorfen	ND	5.00									
3,5-Dichlorobenzoic acid	ND	1.00									
4-Nitrophenol	ND	1.00									
Dacthal (DCPA)	ND	2.00									
Surr: 2,4-Dichlorophenylacetic acid	15.5		20.00		77.7	65.7	136				

Sample ID: LCS-35716	SampType: LCS	Units: µg/L	Prep Date: 3/14/2022	RunNo: 74173							
Client ID: LCSW	Batch ID: 35716		Analysis Date: 3/21/2022	SeqNo: 1521240							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.21	1.00	4.000	0	80.1	16.6	148				
2,4-D	3.48	1.00	4.000	0	86.9	50.4	150				
2,4-DP	3.29	1.00	4.000	0	82.1	53	135				
2,4,5-TP (Silvex)	3.24	1.00	4.000	0	81.1	53.6	140				
2,4,5-T	3.27	1.00	4.000	0	81.8	50	141				
Dinoseb	2.25	1.00	4.000	0	56.2	5	119				
Dalapon	12.6	2.00	20.00	0	62.9	5.65	97.2				

Work Order: 2203262
 CLIENT: OnSite Environmental Inc
 Project: 03-089

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-35716	SampType: LCS	Units: µg/L				Prep Date: 3/14/2022	RunNo: 74173				
Client ID: LCSW	Batch ID: 35716					Analysis Date: 3/21/2022	SeqNo: 1521240				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.31	1.00	4.000	0	82.7	54.9	141				
MCPP	16.9	5.00	20.00	0	84.3	28.7	166				
MCPA	17.4	5.00	20.00	0	87.0	20.7	176				
Picloram	2.24	1.00	4.000	0	56.1	9.72	120				
Bentazon	2.82	1.00	4.000	0	70.5	41.2	141				
Chloramben	1.40	1.00	4.000	0	35.1	5	109				
Acifluorfen	2.03	5.00	4.000	0	50.9	7.62	139				
3,5-Dichlorobenzoic acid	2.93	1.00	4.000	0	73.2	52.4	120				
4-Nitrophenol	1.89	1.00	4.000	0	47.2	5	107				
Dacthal (DCPA)	1.50	2.00	4.000	0	37.4	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	17.5		20.00		87.5	65.7	136				

Sample ID: LCS-35716	SampType: LCS	Units: µg/L				Prep Date: 3/14/2022	RunNo: 74173				
Client ID: LCSW02	Batch ID: 35716					Analysis Date: 3/21/2022	SeqNo: 1521241				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	2.90	1.00	4.000	0	72.5	16.6	148	3.206	9.95	30	
2,4-D	3.18	1.00	4.000	0	79.4	50.4	150	3.476	9.01	30	
2,4-DP	2.98	1.00	4.000	0	74.6	53	135	3.286	9.62	30	
2,4,5-TP (Silvex)	2.96	1.00	4.000	0	73.9	53.6	140	3.243	9.20	30	
2,4,5-T	2.93	1.00	4.000	0	73.1	50	141	3.270	11.1	30	
Dinoseb	2.12	1.00	4.000	0	53.1	5	119	2.247	5.71	30	
Dalapon	11.4	2.00	20.00	0	57.0	5.65	97.2	12.58	9.80	30	
2,4-DB	3.02	1.00	4.000	0	75.5	54.9	141	3.306	9.04	30	
MCPP	15.5	5.00	20.00	0	77.6	28.7	166	16.85	8.19	30	
MCPA	16.1	5.00	20.00	0	80.7	20.7	176	17.39	7.44	30	
Picloram	1.81	1.00	4.000	0	45.2	9.72	120	2.245	21.7	30	
Bentazon	2.55	1.00	4.000	0	63.8	41.2	141	2.819	9.99	30	
Chloramben	0.980	1.00	4.000	0	24.5	5	109	1.404	35.6	30	
Acifluorfen	1.90	5.00	4.000	0	47.4	7.62	139	2.034	6.99	30	

Work Order: 2203262
 CLIENT: OnSite Environmental Inc
 Project: 03-089

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS D-35716	SampType: LCS D	Units: µg/L				Prep Date: 3/14/2022	RunNo: 74173				
Client ID: LCSW02	Batch ID: 35716					Analysis Date: 3/21/2022	SeqNo: 1521241				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	2.69	1.00	4.000	0	67.2	52.4	120	2.929	8.54	30	
4-Nitrophenol	1.65	1.00	4.000	0	41.1	5	107	1.886	13.6	30	
Dacthal (DCPA)	1.34	2.00	4.000	0	33.4	5	65.4	1.496	11.2	30	
Surr: 2,4-Dichlorophenylacetic acid	16.4		20.00		82.0	65.7	136		0		

Sample ID: 2203262-001AMS	SampType: MS	Units: µg/L				Prep Date: 3/14/2022	RunNo: 74173				
Client ID: GW-5-20220307	Batch ID: 35716					Analysis Date: 3/21/2022	SeqNo: 1521244				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.43	0.996	3.983	0	86.1	31	142				
2,4-D	3.71	0.996	3.983	0	93.2	50.3	149				
2,4-DP	3.48	0.996	3.983	0	87.3	49.9	143				
2,4,5-TP (Silvex)	3.53	0.996	3.983	0	88.8	47.7	141				
2,4,5-T	3.50	0.996	3.983	0	87.8	34.4	139				
Dinoseb	2.94	0.996	3.983	0	73.8	27.3	117				
Dalapon	13.5	1.99	19.91	0	67.8	14.2	113				
2,4-DB	3.56	0.996	3.983	0	89.3	31.3	147				
MCPP	17.9	4.98	19.91	0	90.1	30.5	177				
MCPA	18.5	4.98	19.91	0	92.9	36.8	163				
Picloram	2.67	0.996	3.983	0	66.9	18.8	115				
Bentazon	3.03	0.996	3.983	0	76.1	11.9	176				
Chloramben	1.79	0.996	3.983	0	44.9	5	112				
Acifluorfen	2.70	4.98	3.983	0	67.7	28.1	146				
3,5-Dichlorobenzoic acid	3.17	0.996	3.983	0	79.6	36.2	146				
4-Nitrophenol	1.57	0.996	3.983	0	39.3	5	116				
Dacthal (DCPA)	1.51	1.99	3.983	0	38.0	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	19.4		19.91		97.2	65.7	136				

Client Name: **ONSITE**

 Work Order Number: **2203262**

 Logged by: **Elisabeth Samoray**

 Date Received: **3/10/2022 11:36:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



OnSite Environmental Inc.

Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number:

03-089

Company: **GeoEngineers**
 Project Number: **6694-002-05**
 Project Name: **GO EAST**
 Project Manager: **Garrett Legue**
 Sampled by: **Akankebaony**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	Gw-5-20220307	3/7/22	1430	Aq.	21

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input checked="" type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260D	Halogenated Volatiles 8260D	EDB EPA 8011 (Waters Only)	Semivolatiles 8270E/SIM (with low-level PAHs)	PAHs 8270E/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270E/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals *	Total MTCA Metals ** DISSOLVED	TCLP Metals DISSOLVED Ca, K, Na	HEM (oil and grease) 1664A	NH₃ , TDS , TDE NO	Alkalinity + bicarbonate 5m320B	Cl, NO ₃ , SO ₄ , % Moisture
			X	X	X			X		X	X	X	X	X	X	X	X	X	X	

Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<i>Akankebaony</i>	GEI	3/7	1541	T/D Metals: As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Mg, Zn
Received	<i>Gavin Legue</i>	SPERDA	3/7	1541	
Relinquished	<i>Gavin Legue</i>	"	3/7	1416	
Received	<i>[Signature]</i>	ORE	3/22	1616	
Relinquished	<i>[Signature]</i>				
Received					Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Reviewed/Date					Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

March 24, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2203-124

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 9, 2022.

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 stroke 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: March 24, 2022
Samples Submitted: March 9, 2022
Laboratory Reference: 2203-124
Project: 6694-002-05 T700

Case Narrative

Samples were collected on March 9, 2022 and received by the laboratory on March 9, 2022. 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.

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: March 24, 2022
Samples Submitted: March 9, 2022
Laboratory Reference: 2203-124
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW-3-30922	03-124-01	Water	3-9-22	3-9-22	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Gasoline	ND	100	NWTPH-Gx	3-10-22	3-10-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	66-117				



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**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-3-30922					
Laboratory ID:	03-124-01					
Diesel Range Organics	ND	0.23	NWTPH-Dx	3-15-22	3-15-22	X1
Lube Oil Range Organics	ND	0.23	NWTPH-Dx	3-15-22	3-15-22	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>108</i>	<i>50-150</i>				



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Dichlorodifluoromethane	ND	100	EPA 8260D	3-11-22	3-11-22	
Chloromethane	ND	100	EPA 8260D	3-11-22	3-11-22	
Vinyl Chloride	ND	20	EPA 8260D	3-11-22	3-11-22	
Bromomethane	ND	100	EPA 8260D	3-11-22	3-11-22	
Chloroethane	ND	100	EPA 8260D	3-11-22	3-11-22	
Trichlorofluoromethane	ND	20	EPA 8260D	3-11-22	3-11-22	
1,1-Dichloroethene	ND	20	EPA 8260D	3-11-22	3-11-22	
Acetone	3900	500	EPA 8260D	3-11-22	3-11-22	
Iodomethane	ND	500	EPA 8260D	3-11-22	3-11-22	
Carbon Disulfide	ND	20	EPA 8260D	3-11-22	3-11-22	
Methylene Chloride	ND	100	EPA 8260D	3-11-22	3-11-22	
(trans) 1,2-Dichloroethene	ND	20	EPA 8260D	3-11-22	3-11-22	
Methyl t-Butyl Ether	ND	20	EPA 8260D	3-11-22	3-11-22	
1,1-Dichloroethane	ND	20	EPA 8260D	3-11-22	3-11-22	
Vinyl Acetate	ND	100	EPA 8260D	3-11-22	3-11-22	
2,2-Dichloropropane	ND	20	EPA 8260D	3-11-22	3-11-22	
(cis) 1,2-Dichloroethene	ND	20	EPA 8260D	3-11-22	3-11-22	
2-Butanone	540	500	EPA 8260D	3-11-22	3-11-22	
Bromochloromethane	ND	20	EPA 8260D	3-11-22	3-11-22	
Chloroform	ND	20	EPA 8260D	3-11-22	3-11-22	
1,1,1-Trichloroethane	ND	20	EPA 8260D	3-11-22	3-11-22	
Carbon Tetrachloride	ND	20	EPA 8260D	3-11-22	3-11-22	
1,1-Dichloropropene	ND	20	EPA 8260D	3-11-22	3-11-22	
Benzene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,2-Dichloroethane	ND	20	EPA 8260D	3-11-22	3-11-22	
Trichloroethene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,2-Dichloropropane	ND	20	EPA 8260D	3-11-22	3-11-22	
Dibromomethane	ND	20	EPA 8260D	3-11-22	3-11-22	
Bromodichloromethane	ND	20	EPA 8260D	3-11-22	3-11-22	
(cis) 1,3-Dichloropropene	ND	20	EPA 8260D	3-11-22	3-11-22	
Methyl Isobutyl Ketone	ND	200	EPA 8260D	3-11-22	3-11-22	
Toluene	ND	100	EPA 8260D	3-11-22	3-11-22	
(trans) 1,3-Dichloropropene	ND	20	EPA 8260D	3-11-22	3-11-22	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
1,1,2-Trichloroethane	ND	20	EPA 8260D	3-11-22	3-11-22	
Tetrachloroethene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,3-Dichloropropane	ND	20	EPA 8260D	3-11-22	3-11-22	
2-Hexanone	ND	200	EPA 8260D	3-11-22	3-11-22	
Dibromochloromethane	ND	20	EPA 8260D	3-11-22	3-11-22	
1,2-Dibromoethane	ND	20	EPA 8260D	3-11-22	3-11-22	
Chlorobenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,1,1,2-Tetrachloroethane	ND	20	EPA 8260D	3-11-22	3-11-22	
Ethylbenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
m,p-Xylene	ND	40	EPA 8260D	3-11-22	3-11-22	
o-Xylene	ND	20	EPA 8260D	3-11-22	3-11-22	
Styrene	ND	20	EPA 8260D	3-11-22	3-11-22	
Bromoform	ND	100	EPA 8260D	3-11-22	3-11-22	
Isopropylbenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
Bromobenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,1,2,2-Tetrachloroethane	ND	20	EPA 8260D	3-11-22	3-11-22	
1,2,3-Trichloropropane	ND	20	EPA 8260D	3-11-22	3-11-22	
n-Propylbenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
2-Chlorotoluene	ND	20	EPA 8260D	3-11-22	3-11-22	
4-Chlorotoluene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,3,5-Trimethylbenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
tert-Butylbenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,2,4-Trimethylbenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
sec-Butylbenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,3-Dichlorobenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
p-Isopropyltoluene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,4-Dichlorobenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,2-Dichlorobenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
n-Butylbenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
1,2-Dibromo-3-chloropropane	ND	100	EPA 8260D	3-11-22	3-11-22	
1,2,4-Trichlorobenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
Hexachlorobutadiene	ND	100	EPA 8260D	3-11-22	3-11-22	
Naphthalene	ND	100	EPA 8260D	3-11-22	3-11-22	
1,2,3-Trichlorobenzene	ND	20	EPA 8260D	3-11-22	3-11-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-125</i>				



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

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-3-30922					
Laboratory ID:	03-124-01					
n-Nitrosodimethylamine	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Pyridine	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Phenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Aniline	ND	4.9	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroethyl)ether	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2-Chlorophenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
1,3-Dichlorobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
1,4-Dichlorobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Benzyl alcohol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
1,2-Dichlorobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2-Methylphenol (o-Cresol)	ND	0.97	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroisopropyl)ether	ND	0.97	EPA 8270E	3-11-22	3-11-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.97	EPA 8270E	3-11-22	3-11-22	
n-Nitroso-di-n-propylamine	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Hexachloroethane	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Nitrobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Isophorone	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2-Nitrophenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2,4-Dimethylphenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroethoxy)methane	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2,4-Dichlorophenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
1,2,4-Trichlorobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Naphthalene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
4-Chloroaniline	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Hexachlorobutadiene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
4-Chloro-3-methylphenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2-Methylnaphthalene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
1-Methylnaphthalene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
Hexachlorocyclopentadiene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2,4,6-Trichlorophenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2,3-Dichloroaniline	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2,4,5-Trichlorophenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2-Chloronaphthalene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2-Nitroaniline	ND	0.97	EPA 8270E	3-11-22	3-11-22	
1,4-Dinitrobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Dimethylphthalate	ND	4.9	EPA 8270E	3-11-22	3-11-22	
1,3-Dinitrobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2,6-Dinitrotoluene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
1,2-Dinitrobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Acenaphthylene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
3-Nitroaniline	ND	0.97	EPA 8270E	3-11-22	3-11-22	



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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
2,4-Dinitrophenol	ND	7.7	EPA 8270E	3-11-22	3-11-22	
Acenaphthene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
4-Nitrophenol	ND	4.9	EPA 8270E	3-11-22	3-11-22	
2,4-Dinitrotoluene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Dibenzofuran	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2,3,5,6-Tetrachlorophenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
2,3,4,6-Tetrachlorophenol	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Diethylphthalate	ND	0.97	EPA 8270E	3-11-22	3-11-22	
4-Chlorophenyl-phenylether	ND	0.97	EPA 8270E	3-11-22	3-11-22	
4-Nitroaniline	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Fluorene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
4,6-Dinitro-2-methylphenol	ND	4.9	EPA 8270E	3-11-22	3-11-22	
n-Nitrosodiphenylamine	ND	0.97	EPA 8270E	3-11-22	3-11-22	
1,2-Diphenylhydrazine	ND	0.97	EPA 8270E	3-11-22	3-11-22	
4-Bromophenyl-phenylether	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Hexachlorobenzene	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Pentachlorophenol	ND	4.9	EPA 8270E	3-11-22	3-11-22	
Phenanthrene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
Anthracene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
Carbazole	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Di-n-butylphthalate	ND	4.9	EPA 8270E	3-11-22	3-11-22	
Fluoranthene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
Pyrene	ND	0.097	EPA 8270E/SIM	3-11-22	3-11-22	
Butylbenzylphthalate	ND	0.97	EPA 8270E	3-11-22	3-11-22	
bis-2-Ethylhexyladipate	ND	4.9	EPA 8270E	3-11-22	3-11-22	
3,3'-Dichlorobenzidine	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Benzo[a]anthracene	ND	0.0097	EPA 8270E/SIM	3-11-22	3-11-22	
Chrysene	ND	0.0097	EPA 8270E/SIM	3-11-22	3-11-22	
bis(2-Ethylhexyl)phthalate	ND	4.9	EPA 8270E	3-11-22	3-11-22	
Di-n-octylphthalate	ND	0.97	EPA 8270E	3-11-22	3-11-22	
Benzo[b]fluoranthene	ND	0.0097	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo(j,k)fluoranthene	ND	0.0097	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo[a]pyrene	ND	0.0097	EPA 8270E/SIM	3-11-22	3-11-22	
Indeno[1,2,3-cd]pyrene	ND	0.0097	EPA 8270E/SIM	3-11-22	3-11-22	
Dibenz[a,h]anthracene	ND	0.0097	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo[g,h,i]perylene	ND	0.0097	EPA 8270E/SIM	3-11-22	3-11-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>44</i>	<i>10 - 82</i>				
<i>Phenol-d6</i>	<i>31</i>	<i>10 - 92</i>				
<i>Nitrobenzene-d5</i>	<i>68</i>	<i>32 - 105</i>				
<i>2-Fluorobiphenyl</i>	<i>67</i>	<i>38 - 105</i>				
<i>2,4,6-Tribromophenol</i>	<i>80</i>	<i>25 - 124</i>				
<i>Terphenyl-d14</i>	<i>69</i>	<i>42 - 116</i>				



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PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Aroclor 1016	ND	0.050	EPA 8082A	3-10-22	3-16-22	
Aroclor 1221	ND	0.050	EPA 8082A	3-10-22	3-16-22	
Aroclor 1232	ND	0.050	EPA 8082A	3-10-22	3-16-22	
Aroclor 1242	ND	0.050	EPA 8082A	3-10-22	3-16-22	
Aroclor 1248	ND	0.050	EPA 8082A	3-10-22	3-16-22	
Aroclor 1254	ND	0.050	EPA 8082A	3-10-22	3-16-22	
Aroclor 1260	ND	0.050	EPA 8082A	3-10-22	3-16-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>86</i>	<i>42-140</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
alpha-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
beta-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
delta-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Heptachlor	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Aldrin	ND	0.0020	EPA 8081B	3-10-22	3-15-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-10-22	3-15-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDE	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endosulfan I	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Dieldrin	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDD	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endosulfan II	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDT	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Methoxychlor	ND	0.010	EPA 8081B	3-10-22	3-15-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-10-22	3-15-22	
Toxaphene	ND	0.050	EPA 8081B	3-10-22	3-15-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	62	25-114				
DCB	64	30-137				



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TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Arsenic	5.0	3.3	EPA 200.8	3-14-22	3-14-22	
Cadmium	ND	4.4	EPA 200.8	3-14-22	3-14-22	
Chromium	ND	11	EPA 200.8	3-14-22	3-14-22	
Copper	ND	11	EPA 200.8	3-14-22	3-14-22	
Iron	2500	50	EPA 200.7	3-11-22	3-11-22	
Lead	1.2	1.1	EPA 200.8	3-14-22	3-14-22	
Magnesium	14000	1000	EPA 200.7	3-11-22	3-11-22	
Manganese	240	10	EPA 200.7	3-11-22	3-11-22	
Mercury	ND	0.025	EPA 7470A	3-16-22	3-16-22	
Nickel	ND	22	EPA 200.8	3-14-22	3-14-22	
Selenium	ND	5.6	EPA 200.8	3-14-22	3-14-22	
Zinc	ND	28	EPA 200.8	3-14-22	3-14-22	



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DISSOLVED METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Arsenic	3.4	3.0	EPA 200.8		3-10-22	
Cadmium	ND	4.0	EPA 200.8		3-10-22	
Calcium	24000	1100	EPA 200.7		3-15-22	
Chromium	ND	10	EPA 200.8		3-10-22	
Copper	ND	10	EPA 200.8		3-10-22	
Iron	ND	56	EPA 200.7		3-15-22	
Lead	ND	1.0	EPA 200.8		3-10-22	
Magnesium	13000	1100	EPA 200.7		3-15-22	
Manganese	180	11	EPA 200.7		3-15-22	
Mercury	ND	0.025	EPA 7470A		3-11-22	
Nickel	ND	20	EPA 200.8		3-10-22	
Potassium	1900	1100	EPA 200.7		3-15-22	
Selenium	ND	5.0	EPA 200.8		3-10-22	
Sodium	7000	1100	EPA 200.7		3-15-22	
Zinc	ND	25	EPA 200.8		3-10-22	



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TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Total Alkalinity	110	2.0	SM 2320B	3-11-22	3-11-22	



Date of Report: December 15, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

**BICARBONATE
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Bicarbonate Concentration	110	2.0	SM 2320B	3-11-22	3-11-22	



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**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Total Dissolved Solids	170	13	SM 2540C	3-11-22	3-11-22	



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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Chloride	6.6	2.0	SM 4500-Cl E	3-11-22	3-11-22	



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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Nitrate	0.090	0.050	EPA 353.2	3-11-22	3-11-22	



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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Sulfate	9.7	5.0	ASTM D516-11	3-14-22	3-14-22	



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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-3-30922					
Laboratory ID:	03-124-01					
Ammonia	0.061	0.050	SM 4500-NH3 D	3-10-22	3-10-22	



Date of Report: March 24, 2022
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**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:	MB0310W1					
Gasoline	ND	100	NWTPH-Gx	3-10-22	3-10-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-123-01							
	ORIG	DUP						
Gasoline	651	600	NA	NA	NA	NA	8	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				100	101	66-117		



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**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:	MB0315W1					
Diesel Range Organics	ND	0.20	NWTPH-Dx	3-15-22	3-15-22	X1
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	3-15-22	3-15-22	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>104</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0315W1							
	ORIG	DUP						
Diesel Fuel #2	0.450	0.417	NA	NA	NA	NA	8	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				120	110	50-150		



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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W2					
Dichlorodifluoromethane	ND	1.0	EPA 8260D	3-11-22	3-11-22	
Chloromethane	ND	1.0	EPA 8260D	3-11-22	3-11-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Bromomethane	ND	1.0	EPA 8260D	3-11-22	3-11-22	
Chloroethane	ND	1.0	EPA 8260D	3-11-22	3-11-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Acetone	ND	5.0	EPA 8260D	3-11-22	3-11-22	
Iodomethane	ND	5.0	EPA 8260D	3-11-22	3-11-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-11-22	3-11-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-11-22	3-11-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
2-Butanone	ND	5.0	EPA 8260D	3-11-22	3-11-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Chloroform	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Benzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Trichloroethene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Dibromomethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-11-22	3-11-22	
Toluene	ND	1.0	EPA 8260D	3-11-22	3-11-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-22	3-11-22	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W2					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
2-Hexanone	ND	2.0	EPA 8260D	3-11-22	3-11-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-11-22	3-11-22	
o-Xylene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Styrene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Bromoform	ND	1.0	EPA 8260D	3-11-22	3-11-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Bromobenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-11-22	3-11-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-11-22	3-11-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-11-22	3-11-22	
Naphthalene	ND	1.0	EPA 8260D	3-11-22	3-11-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-11-22	3-11-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



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

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Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0311W2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	12.4	12.4	10.0	10.0	124	124	78-125	0	19	
Benzene	11.2	11.2	10.0	10.0	112	112	80-119	0	16	
Trichloroethene	10.9	11.1	10.0	10.0	109	111	80-121	2	18	
Toluene	11.0	11.0	10.0	10.0	110	110	80-117	0	18	
Chlorobenzene	11.0	11.1	10.0	10.0	110	111	80-117	1	17	
<i>Surrogate:</i>										
Dibromofluoromethane					98	97	75-127			
Toluene-d8					99	99	80-127			
4-Bromofluorobenzene					100	99	78-125			



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**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:	MB0311W1					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Pyridine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Phenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Aniline	ND	5.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-11-22	3-11-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Isophorone	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Dimethylphthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

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

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
2,4-Dinitrophenol	ND	7.9	EPA 8270E	3-11-22	3-11-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4-Nitrophenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Pentachlorophenol	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Carbazole	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-11-22	3-11-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	3-11-22	3-11-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-11-22	3-11-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-11-22	3-11-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	51	10 - 82				
Phenol-d6	37	10 - 92				
Nitrobenzene-d5	75	32 - 105				
2-Fluorobiphenyl	67	38 - 105				
2,4,6-Tribromophenol	86	25 - 124				
Terphenyl-d14	75	42 - 116				



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Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0311W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	14.9	12.8	40.0	40.0	37	32	21 - 53	15	26	
2-Chlorophenol	28.8	24.6	40.0	40.0	72	62	38 - 92	16	28	
1,4-Dichlorobenzene	10.5	9.56	20.0	20.0	53	48	30 - 88	9	32	
n-Nitroso-di-n-propylamine	15.0	13.2	20.0	20.0	75	66	40 - 103	13	27	
1,2,4-Trichlorobenzene	12.1	10.7	20.0	20.0	61	54	37 - 95	12	29	
4-Chloro-3-methylphenol	31.8	29.9	40.0	40.0	80	75	50 - 101	6	17	
Acenaphthene	14.0	13.3	20.0	20.0	70	67	46 - 97	5	19	
4-Nitrophenol	19.4	19.2	40.0	40.0	49	48	23 - 64	1	34	
2,4-Dinitrotoluene	14.9	14.3	20.0	20.0	75	72	46 - 100	4	17	
Pentachlorophenol	38.5	35.6	40.0	40.0	96	89	39 - 123	8	29	
Pyrene	14.8	14.4	20.0	20.0	74	72	52 - 107	3	19	
<i>Surrogate:</i>										
2-Fluorophenol					54	45	10 - 82			
Phenol-d6					39	33	10 - 92			
Nitrobenzene-d5					76	65	32 - 105			
2-Fluorobiphenyl					66	64	38 - 105			
2,4,6-Tribromophenol					87	80	25 - 124			
Terphenyl-d14					71	69	42 - 116			



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0310W1					
Aroclor 1016	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1221	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1232	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1242	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1248	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1254	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Aroclor 1260	ND	0.050	EPA 8082A	3-10-22	3-10-22	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	48		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0310W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.408	0.408	0.500	0.500	N/A	82	82	73-131	0	12	
Surrogate:											
DCB						86	90	42-140			



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0310W1					
alpha-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
beta-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
delta-BHC	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Heptachlor	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Aldrin	ND	0.0020	EPA 8081B	3-10-22	3-15-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-10-22	3-15-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDE	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endosulfan I	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Dieldrin	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDD	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endosulfan II	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
4,4'-DDT	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Methoxychlor	ND	0.010	EPA 8081B	3-10-22	3-15-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	3-10-22	3-15-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-10-22	3-15-22	
Toxaphene	ND	0.050	EPA 8081B	3-10-22	3-15-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	56	25-114				
DCB	50	30-137				



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	SB	SBD	SB	SBD	Result	Recovery	Limits	Limit			
SPIKE BLANKS											
Laboratory ID:	SB0310W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0855	0.0766	0.100	0.100	N/A	85	77	42-113	11	19	
gamma-BHC (Lindane)	0.0829	0.0725	0.100	0.100	N/A	83	72	45-114	13	15	
beta-BHC	0.0823	0.0736	0.100	0.100	N/A	82	74	40-118	11	15	
delta-BHC	0.0875	0.0761	0.100	0.100	N/A	88	76	20-125	14	15	
Heptachlor	0.0774	0.0758	0.100	0.100	N/A	77	76	41-120	2	16	
Aldrin	0.0734	0.0736	0.100	0.100	N/A	73	74	35-115	0	15	
Heptachlor Epoxide	0.0818	0.0762	0.100	0.100	N/A	82	76	50-118	7	15	
gamma-Chlordane	0.0786	0.0700	0.100	0.100	N/A	79	70	46-110	12	15	
alpha-Chlordane	0.0783	0.0702	0.100	0.100	N/A	78	70	38-112	11	15	
4,4'-DDE	0.0837	0.0754	0.100	0.100	N/A	84	75	41-127	10	15	
Endosulfan I	0.0848	0.0771	0.100	0.100	N/A	85	77	45-119	10	15	
Dieldrin	0.0841	0.0743	0.100	0.100	N/A	84	74	46-115	12	15	
Endrin	0.0977	0.0854	0.100	0.100	N/A	98	85	52-124	13	15	
4,4'-DDD	0.0946	0.0836	0.100	0.100	N/A	95	84	52-121	12	15	
Endosulfan II	0.0875	0.0760	0.100	0.100	N/A	87	76	44-114	14	15	
4,4'-DDT	0.0929	0.0899	0.100	0.100	N/A	93	90	48-123	3	15	
Endrin Aldehyde	0.101	0.0913	0.100	0.100	N/A	101	91	45-114	10	15	
Methoxychlor	0.123	0.107	0.100	0.100	N/A	123	107	49-130	14	15	
Endosulfan Sulfate	0.0859	0.0754	0.100	0.100	N/A	86	75	39-117	13	15	
Endrin Ketone	0.0842	0.0768	0.100	0.100	N/A	84	77	53-119	9	15	
Surrogate:											
TCMX						60	64	25-114			
DCB						80	67	30-137			



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311WH1					
Iron	ND	50	EPA 200.7	3-11-22	3-11-22	
Magnesium	ND	1000	EPA 200.7	3-11-22	3-11-22	
Manganese	ND	10	EPA 200.7	3-11-22	3-11-22	
METHOD BLANK						
Laboratory ID:	MB0314WM1					
Arsenic	ND	3.3	EPA 200.8	3-14-22	3-14-22	
Cadmium	ND	4.4	EPA 200.8	3-14-22	3-14-22	
Chromium	ND	11	EPA 200.8	3-14-22	3-14-22	
Copper	ND	11	EPA 200.8	3-14-22	3-14-22	
Lead	ND	1.1	EPA 200.8	3-14-22	3-14-22	
Nickel	ND	22	EPA 200.8	3-14-22	3-14-22	
Selenium	ND	5.6	EPA 200.8	3-14-22	3-14-22	
Zinc	ND	28	EPA 200.8	3-14-22	3-14-22	
METHOD BLANK						
Laboratory ID:	MB0316W1					
Mercury	ND	0.025	EPA 7470A	3-16-22	3-16-22	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-089-01									
	ORIG	DUP								
Iron	131	188	NA	NA		NA	NA	36	20	C
Magnesium	13300	13900	NA	NA		NA	NA	4	20	
Manganese	266	278	NA	NA		NA	NA	4	20	

Laboratory ID:	03-091-01									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	03-124-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	03-089-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	20800	20600	20000	20000	131	103	102	75-125	1	20
Magnesium	32400	31700	20000	20000	13300	96	92	75-125	2	20
Manganese	740	727	500	500	266	95	92	75-125	2	20

Laboratory ID:	03-091-01									
Arsenic	122	118	111	111	ND	110	106	75-125	4	20
Cadmium	118	108	111	111	ND	107	97	75-125	9	20
Chromium	117	108	111	111	ND	106	98	75-125	8	20
Copper	110	100	111	111	ND	99	90	75-125	9	20
Lead	113	102	111	111	ND	102	92	75-125	10	20
Nickel	112	102	111	111	ND	101	92	75-125	10	20
Selenium	125	111	111	111	ND	113	100	75-125	11	20
Zinc	116	109	111	111	ND	105	98	75-125	7	20

Laboratory ID:	03-124-01									
Mercury	6.35	6.38	6.25	6.25	ND	102	102	75-125	0	20



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0315D1					
Calcium	ND	1100	EPA 200.7		3-15-22	
Iron	ND	56	EPA 200.7		3-15-22	
Magnesium	ND	1100	EPA 200.7		3-15-22	
Manganese	ND	11	EPA 200.7		3-15-22	
Potassium	ND	1100	EPA 200.7		3-15-22	
Sodium	ND	1100	EPA 200.7		3-15-22	
Laboratory ID:	MB0309F1					
Arsenic	ND	3.0	EPA 200.8		3-10-22	
Cadmium	ND	4.0	EPA 200.8		3-10-22	
Chromium	ND	10	EPA 200.8		3-10-22	
Copper	ND	10	EPA 200.8		3-10-22	
Lead	ND	1.0	EPA 200.8		3-10-22	
Nickel	ND	20	EPA 200.8		3-10-22	
Selenium	ND	5.0	EPA 200.8		3-10-22	
Zinc	ND	25	EPA 200.8		3-10-22	
Laboratory ID:	MB0311D1					
Mercury	ND	0.025	EPA 7470A		3-11-22	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-124-01							
	ORIG	DUP						
Calcium	24100	24400	NA	NA	NA	NA	1	20
Iron	ND	ND	NA	NA	NA	NA	NA	20
Magnesium	13000	13200	NA	NA	NA	NA	2	20
Manganese	178	181	NA	NA	NA	NA	2	20
Potassium	1860	1820	NA	NA	NA	NA	2	20
Sodium	7050	7030	NA	NA	NA	NA	0	20

Laboratory ID:	03-114-01							
Arsenic	ND	ND	NA	NA	NA	NA	NA	20
Cadmium	ND	ND	NA	NA	NA	NA	NA	20
Chromium	ND	ND	NA	NA	NA	NA	NA	20
Copper	ND	ND	NA	NA	NA	NA	NA	20
Lead	ND	ND	NA	NA	NA	NA	NA	20
Nickel	ND	ND	NA	NA	NA	NA	NA	20
Selenium	ND	ND	NA	NA	NA	NA	NA	20
Zinc	ND	ND	NA	NA	NA	NA	NA	20

Laboratory ID:	03-089-01							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	03-124-01									
	MS	MSD	MS	MSD	MS	MSD				
Calcium	48000	47800	22200	22200	24100	108	107	75-125	0	20
Iron	25600	25900	22200	22200	ND	116	117	75-125	1	20
Magnesium	36500	36500	22200	22200	13000	106	106	75-125	0	20
Manganese	729	727	556	556	178	99	99	75-125	0	20
Potassium	28000	28300	22200	22200	1860	118	119	75-125	1	20
Sodium	30700	30900	22200	22200	7050	107	107	75-125	0	20

Laboratory ID:	03-114-01									
Arsenic	82.6	81.4	80.0	80.0	ND	103	102	75-125	1	20
Cadmium	78.8	79.0	80.0	80.0	ND	99	99	75-125	0	20
Chromium	76.0	74.4	80.0	80.0	ND	95	93	75-125	2	20
Copper	72.2	71.4	80.0	80.0	ND	90	89	75-125	1	20
Lead	77.4	76.2	80.0	80.0	ND	97	95	75-125	2	20
Nickel	75.6	74.8	80.0	80.0	ND	95	94	75-125	1	20
Selenium	77.4	76.2	80.0	80.0	ND	97	95	75-125	2	20
Zinc	83.6	84.4	80.0	80.0	ND	105	106	75-125	1	20

Laboratory ID:	03-089-01									
Mercury	6.05	6.03	6.25	6.25	ND	97	96	75-125	0	20



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: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Total Alkalinity	ND	2.0	SM 2320B	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-052-02							
	ORIG	DUP						
Total Alkalinity	25.0	25.5	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Total Alkalinity	104	100	NA	104	89-110	NA	NA	



Date of Report: December 15, 2021
 Samples Submitted: December 7, 2021
 Laboratory Reference: 2112-075
 Project: 6694-002-05 T700

**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Bicarbonate Concentration	ND	2.0	SM 2320B	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-052-02							
	ORIG	DUP						
Total Alkalinity	25.0	25.5	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Total Alkalinity	104	100	NA	104	89-110	NA	NA	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Total Dissolved Solids	ND	13	SM 2540C	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-120-02							
	ORIG	DUP						
Total Dissolved Solids	360	376	NA	NA	NA	4	29	

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Total Dissolved Solids	489	500	NA	98	84-110	NA	NA	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**CHLORIDE
 SM 4500-Cl E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Chloride	ND	2.0	SM 4500-Cl E	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-089-01							
	ORIG	DUP						
Chloride	6.16	6.12	NA	NA	NA	1	15	

MATRIX SPIKE

Laboratory ID:	03-089-01							
	MS	MS		MS				
Chloride	58.2	50.0	6.16	104	86-115	NA	NA	

SPIKE BLANK

Laboratory ID:	SB0311W1							
	SB	SB		SB				
Chloride	50.7	50.0	NA	101	86-115	NA	NA	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**NITRATE (as Nitrogen)
 EPA 353.2
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Nitrate	ND	0.050	EPA 353.2	3-11-22	3-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-089-01							
	ORIG	DUP						
Nitrate	ND	ND	NA	NA	NA	NA	16	

MATRIX SPIKE								
Laboratory ID:	03-089-01							
	MS	MS		MS				
Nitrate	2.37	2.00	ND	119	92-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0311W1							
	SB	SB		SB				
Nitrate	2.25	2.00	NA	113	90-121	NA	NA	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0314W1					
Sulfate	ND	5.0	ASTM D516-11	3-14-22	3-14-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-080-04							
	ORIG	DUP						
Sulfate	8.40	8.46	NA	NA	NA	1	10	

MATRIX SPIKE								
Laboratory ID:	03-080-04							
	MS	MS		MS				
Sulfate	18.2	10.0	8.40	98	69-139	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0314W1							
	SB	SB		SB				
Sulfate	8.91	10.0	NA	89	89-117	NA	NA	



Date of Report: March 24, 2022
 Samples Submitted: March 9, 2022
 Laboratory Reference: 2203-124
 Project: 6694-002-05 T700

**AMMONIA (as Nitrogen)
 SM 4500-NH₃ D
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0310W1					
Ammonia	ND	0.050	SM 4500-NH ₃ D	3-10-22	3-10-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-034-01							
	ORIG	DUP						
Ammonia	ND	ND	NA	NA	NA	NA	19	

MATRIX SPIKE								
Laboratory ID:	03-034-01							
	MS	MS		MS				
Ammonia	4.82	5.00	ND	96	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0310W1							
	SB	SB		SB				
Ammonia	4.82	5.00	NA	96	88-110	NA	NA	





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





3600 Fremont Ave. N.
Seattle, WA 98103
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OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 03-124

Work Order Number: 2203263

March 24, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 3/10/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

www.fremontanalytical.com



Date: 03/24/2022

CLIENT: OnSite Environmental Inc
Project: 03-124
Work Order: 2203263

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203263-001	MW-3-30922	03/09/2022 1:20 PM	03/10/2022 11:36 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc

Project: 03-124

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc
Project: 03-124
Lab ID: 2203263-001
Client Sample ID: MW-3-30922

Collection Date: 3/9/2022 1:20:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 35716 Analyst: SB

Dicamba	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
2,4-D	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
2,4-DP	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
2,4,5-TP (Silvex)	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
2,4,5-T	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
Dinoseb	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
Dalapon	ND	1.97		µg/L	1	3/21/2022 1:42:09 PM
2,4-DB	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
MCPP	ND	4.94		µg/L	1	3/21/2022 1:42:09 PM
MCPA	ND	4.94		µg/L	1	3/21/2022 1:42:09 PM
Picloram	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
Bentazon	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
Chloramben	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
Acifluorfen	ND	4.94		µg/L	1	3/21/2022 1:42:09 PM
3,5-Dichlorobenzoic acid	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
4-Nitrophenol	ND	0.987		µg/L	1	3/21/2022 1:42:09 PM
Dacthal (DCPA)	ND	1.97		µg/L	1	3/21/2022 1:42:09 PM
Surr: 2,4-Dichlorophenylacetic acid	87.9	65.7 - 136		%Rec	1	3/21/2022 1:42:09 PM

Work Order: 2203263
 CLIENT: OnSite Environmental Inc
 Project: 03-124

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-35716	SampType: MBLK	Units: µg/L	Prep Date: 3/14/2022	RunNo: 74173							
Client ID: MBLKW	Batch ID: 35716		Analysis Date: 3/21/2022	SeqNo: 1521239							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	1.00									
2,4-D	ND	1.00									
2,4-DP	ND	1.00									
2,4,5-TP (Silvex)	ND	1.00									
2,4,5-T	ND	1.00									
Dinoseb	ND	1.00									
Dalapon	ND	2.00									
2,4-DB	ND	1.00									
MCPP	ND	5.00									
MCPA	ND	5.00									
Picloram	ND	1.00									
Bentazon	ND	1.00									
Chloramben	ND	1.00									
Acifluorfen	ND	5.00									
3,5-Dichlorobenzoic acid	ND	1.00									
4-Nitrophenol	ND	1.00									
Dacthal (DCPA)	ND	2.00									
Surr: 2,4-Dichlorophenylacetic acid	15.5		20.00		77.7	65.7	136				

Sample ID: LCS-35716	SampType: LCS	Units: µg/L	Prep Date: 3/14/2022	RunNo: 74173							
Client ID: LCSW	Batch ID: 35716		Analysis Date: 3/21/2022	SeqNo: 1521240							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	3.21	1.00	4.000	0	80.1	16.6	148				
2,4-D	3.48	1.00	4.000	0	86.9	50.4	150				
2,4-DP	3.29	1.00	4.000	0	82.1	53	135				
2,4,5-TP (Silvex)	3.24	1.00	4.000	0	81.1	53.6	140				
2,4,5-T	3.27	1.00	4.000	0	81.8	50	141				
Dinoseb	2.25	1.00	4.000	0	56.2	5	119				
Dalapon	12.6	2.00	20.00	0	62.9	5.65	97.2				

Work Order: 2203263
 CLIENT: OnSite Environmental Inc
 Project: 03-124

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-35716	SampType: LCS	Units: µg/L			Prep Date: 3/14/2022	RunNo: 74173					
Client ID: LCSW	Batch ID: 35716				Analysis Date: 3/21/2022	SeqNo: 1521240					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.31	1.00	4.000	0	82.7	54.9	141				
MCPP	16.9	5.00	20.00	0	84.3	28.7	166				
MCPA	17.4	5.00	20.00	0	87.0	20.7	176				
Picloram	2.24	1.00	4.000	0	56.1	9.72	120				
Bentazon	2.82	1.00	4.000	0	70.5	41.2	141				
Chloramben	1.40	1.00	4.000	0	35.1	5	109				
Acifluorfen	2.03	5.00	4.000	0	50.9	7.62	139				
3,5-Dichlorobenzoic acid	2.93	1.00	4.000	0	73.2	52.4	120				
4-Nitrophenol	1.89	1.00	4.000	0	47.2	5	107				
Dacthal (DCPA)	1.50	2.00	4.000	0	37.4	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	17.5		20.00		87.5	65.7	136				

Sample ID: LCS-35716	SampType: LCS	Units: µg/L			Prep Date: 3/14/2022	RunNo: 74173					
Client ID: LCSW02	Batch ID: 35716				Analysis Date: 3/21/2022	SeqNo: 1521241					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	2.90	1.00	4.000	0	72.5	16.6	148	3.206	9.95	30	
2,4-D	3.18	1.00	4.000	0	79.4	50.4	150	3.476	9.01	30	
2,4-DP	2.98	1.00	4.000	0	74.6	53	135	3.286	9.62	30	
2,4,5-TP (Silvex)	2.96	1.00	4.000	0	73.9	53.6	140	3.243	9.20	30	
2,4,5-T	2.93	1.00	4.000	0	73.1	50	141	3.270	11.1	30	
Dinoseb	2.12	1.00	4.000	0	53.1	5	119	2.247	5.71	30	
Dalapon	11.4	2.00	20.00	0	57.0	5.65	97.2	12.58	9.80	30	
2,4-DB	3.02	1.00	4.000	0	75.5	54.9	141	3.306	9.04	30	
MCPP	15.5	5.00	20.00	0	77.6	28.7	166	16.85	8.19	30	
MCPA	16.1	5.00	20.00	0	80.7	20.7	176	17.39	7.44	30	
Picloram	1.81	1.00	4.000	0	45.2	9.72	120	2.245	21.7	30	
Bentazon	2.55	1.00	4.000	0	63.8	41.2	141	2.819	9.99	30	
Chloramben	0.980	1.00	4.000	0	24.5	5	109	1.404	35.6	30	
Acifluorfen	1.90	5.00	4.000	0	47.4	7.62	139	2.034	6.99	30	

Work Order: 2203263
 CLIENT: OnSite Environmental Inc
 Project: 03-124

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS D-35716	SampType: LCS D	Units: µg/L				Prep Date: 3/14/2022	RunNo: 74173				
Client ID: LCSW02	Batch ID: 35716					Analysis Date: 3/21/2022	SeqNo: 1521241				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	2.69	1.00	4.000	0	67.2	52.4	120	2.929	8.54	30	
4-Nitrophenol	1.65	1.00	4.000	0	41.1	5	107	1.886	13.6	30	
Dacthal (DCPA)	1.34	2.00	4.000	0	33.4	5	65.4	1.496	11.2	30	
Surr: 2,4-Dichlorophenylacetic acid	16.4		20.00		82.0	65.7	136		0		

Sample ID: 2203262-001AMS	SampType: MS	Units: µg/L				Prep Date: 3/14/2022	RunNo: 74173				
Client ID: BATCH	Batch ID: 35716					Analysis Date: 3/21/2022	SeqNo: 1521244				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.43	0.996	3.983	0	86.1	31	142				
2,4-D	3.71	0.996	3.983	0	93.2	50.3	149				
2,4-DP	3.48	0.996	3.983	0	87.3	49.9	143				
2,4,5-TP (Silvex)	3.53	0.996	3.983	0	88.8	47.7	141				
2,4,5-T	3.50	0.996	3.983	0	87.8	34.4	139				
Dinoseb	2.94	0.996	3.983	0	73.8	27.3	117				
Dalapon	13.5	1.99	19.91	0	67.8	14.2	113				
2,4-DB	3.56	0.996	3.983	0	89.3	31.3	147				
MCPP	17.9	4.98	19.91	0	90.1	30.5	177				
MCPA	18.5	4.98	19.91	0	92.9	36.8	163				
Picloram	2.67	0.996	3.983	0	66.9	18.8	115				
Bentazon	3.03	0.996	3.983	0	76.1	11.9	176				
Chloramben	1.79	0.996	3.983	0	44.9	5	112				
Acifluorfen	2.70	4.98	3.983	0	67.7	28.1	146				
3,5-Dichlorobenzoic acid	3.17	0.996	3.983	0	79.6	36.2	146				
4-Nitrophenol	1.57	0.996	3.983	0	39.3	5	116				
Dacthal (DCPA)	1.51	1.99	3.983	0	38.0	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	19.4		19.91		97.2	65.7	136				

Client Name: **ONSITE**

 Work Order Number: **2203263**

 Logged by: **Elisabeth Samoray**

 Date Received: **3/10/2022 11:36:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



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

April 11, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2203-149

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 11, 2022.

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 stroke 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: April 11, 2022
Samples Submitted: March 11, 2022
Laboratory Reference: 2203-149
Project: 6694-002-05 T700

Case Narrative

Samples were collected on March 11, 2022 and received by the laboratory on March 11, 2022. 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.

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: April 11, 2022
Samples Submitted: March 11, 2022
Laboratory Reference: 2203-149
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW-6-31122	03-149-01	Water	3-11-22	3-11-22	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Gasoline	ND	100	NWTPH-Gx	3-14-22	3-14-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>91</i>	<i>66-117</i>				



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**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-6-31122					
Laboratory ID:	03-149-01					
Diesel Range Organics	ND	0.22	NWTPH-Dx	3-15-22	3-15-22	X1
Lube Oil Range Organics	ND	0.22	NWTPH-Dx	3-15-22	3-15-22	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	126	50-150				



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Dichlorodifluoromethane	ND	0.29	EPA 8260D	3-16-22	3-16-22	
Chloromethane	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Bromomethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Chloroethane	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Acetone	ND	5.0	EPA 8260D	3-16-22	3-16-22	
Iodomethane	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-16-22	3-16-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-16-22	3-16-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
2-Butanone	ND	5.0	EPA 8260D	3-16-22	3-16-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Chloroform	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Benzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Trichloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Dibromomethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-16-22	3-16-22	
Toluene	ND	1.0	EPA 8260D	3-16-22	3-16-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-16-22	3-16-22	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
2-Hexanone	ND	2.0	EPA 8260D	3-16-22	3-16-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-16-22	3-16-22	
o-Xylene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Styrene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Bromoform	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Bromobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-16-22	3-16-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Naphthalene	ND	1.0	EPA 8260D	3-16-22	3-16-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	97	75-127				
<i>Toluene-d8</i>	99	80-127				
<i>4-Bromofluorobenzene</i>	96	78-125				



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

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-6-31122					
Laboratory ID:	03-149-01					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Pyridine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Phenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Aniline	ND	5.1	EPA 8270E	3-15-22	3-15-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-15-22	3-15-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-15-22	3-15-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-15-22	3-15-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Isophorone	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Dimethylphthalate	ND	5.1	EPA 8270E	3-15-22	3-15-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
2,4-Dinitrophenol	ND	8.7	EPA 8270E	3-15-22	3-15-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
4-Nitrophenol	ND	5.1	EPA 8270E	3-15-22	3-15-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-15-22	3-15-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-15-22	3-15-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
4,6-Dinitro-2-methylphenol	ND	6.5	EPA 8270E	3-15-22	3-15-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Pentachlorophenol	ND	6.5	EPA 8270E	3-15-22	3-15-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Carbazole	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Di-n-butylphthalate	ND	5.1	EPA 8270E	3-15-22	3-15-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-15-22	3-15-22	
bis-2-Ethylhexyladipate	ND	5.1	EPA 8270E	3-15-22	3-15-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
bis(2-Ethylhexyl)phthalate	ND	5.1	EPA 8270E	3-15-22	3-15-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	43	10 - 82				
Phenol-d6	31	10 - 92				
Nitrobenzene-d5	68	32 - 105				
2-Fluorobiphenyl	64	38 - 105				
2,4,6-Tribromophenol	79	25 - 124				
Terphenyl-d14	66	42 - 116				



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Aroclor 1016	ND	0.051	EPA 8082A	3-16-22	3-18-22	
Aroclor 1221	ND	0.051	EPA 8082A	3-16-22	3-18-22	
Aroclor 1232	ND	0.051	EPA 8082A	3-16-22	3-18-22	
Aroclor 1242	ND	0.051	EPA 8082A	3-16-22	3-18-22	
Aroclor 1248	ND	0.051	EPA 8082A	3-16-22	3-18-22	
Aroclor 1254	ND	0.051	EPA 8082A	3-16-22	3-18-22	
Aroclor 1260	ND	0.051	EPA 8082A	3-16-22	3-18-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>86</i>	<i>42-140</i>				



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
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 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
alpha-BHC	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
gamma-BHC (Lindane)	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
beta-BHC	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
delta-BHC	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Heptachlor	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Aldrin	ND	0.0020	EPA 8081B	3-16-22	3-16-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-16-22	3-16-22	
gamma-Chlordane	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
alpha-Chlordane	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
4,4'-DDE	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Endosulfan I	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Dieldrin	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Endrin	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
4,4'-DDD	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Endosulfan II	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
4,4'-DDT	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Endrin Aldehyde	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Methoxychlor	ND	0.010	EPA 8081B	3-16-22	3-16-22	
Endosulfan Sulfate	ND	0.0051	EPA 8081B	3-16-22	3-16-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-16-22	3-16-22	
Toxaphene	ND	0.051	EPA 8081B	3-16-22	3-16-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	45	25-114				
DCB	87	30-137				



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TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Arsenic	4.2	3.3	EPA 200.8	3-14-22	3-14-22	
Cadmium	ND	4.4	EPA 200.8	3-14-22	3-14-22	
Chromium	ND	11	EPA 200.8	3-14-22	3-14-22	
Copper	ND	11	EPA 200.8	3-14-22	3-14-22	
Iron	1100	50	EPA 200.7	3-16-22	3-16-22	
Lead	ND	1.1	EPA 200.8	3-14-22	3-14-22	
Magnesium	24000	1000	EPA 200.7	3-16-22	3-16-22	
Manganese	2100	10	EPA 200.7	3-16-22	3-16-22	
Mercury	ND	0.025	EPA 7470A	3-16-22	3-16-22	
Nickel	ND	22	EPA 200.8	3-14-22	3-14-22	
Selenium	ND	5.6	EPA 200.8	3-14-22	3-14-22	
Zinc	ND	28	EPA 200.8	3-14-22	3-14-22	



Date of Report: April 11, 2022
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DISSOLVED METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Arsenic	3.9	3.0	EPA 200.8		3-15-22	
Cadmium	ND	4.0	EPA 200.8		3-15-22	
Calcium	44000	1100	EPA 200.7		3-15-22	
Chromium	ND	10	EPA 200.8		3-15-22	
Copper	ND	10	EPA 200.8		3-15-22	
Iron	74	56	EPA 200.7		3-15-22	
Lead	ND	1.0	EPA 200.8		3-15-22	
Magnesium	21000	1100	EPA 200.7		3-15-22	
Manganese	2000	11	EPA 200.7		3-15-22	
Mercury	ND	0.025	EPA 7470A		3-16-22	
Nickel	ND	20	EPA 200.8		3-15-22	
Potassium	2500	1100	EPA 200.7		3-15-22	
Selenium	ND	5.0	EPA 200.8		3-15-22	
Sodium	19000	1100	EPA 200.7		3-15-22	
Zinc	ND	25	EPA 200.8		3-15-22	



Date of Report: April 11, 2022
Samples Submitted: March 11, 2022
Laboratory Reference: 2203-149
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**TOTAL ALKALINITY
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Total Alkalinity	200	2.0	SM 2320B	3-15-22	3-15-22	



Date of Report: December 15, 2022
Samples Submitted: December 7, 2022
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

**BICARBONATE
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Bicarbonate Concentration	200	2.0	SM 2320B	3-15-22	3-15-22	



Date of Report: April 11, 2022
Samples Submitted: March 11, 2022
Laboratory Reference: 2203-149
Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Total Dissolved Solids	270	13	SM 2540C	3-17-22	3-18-22	



Date of Report: April 11, 2022
Samples Submitted: March 11, 2022
Laboratory Reference: 2203-149
Project: 6694-002-05 T700

CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Chloride	5.7	2.0	SM 4500-Cl E	3-17-22	3-17-22	



Date of Report: April 11, 2022
Samples Submitted: March 11, 2022
Laboratory Reference: 2203-149
Project: 6694-002-05 T700

NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Nitrate	0.12	0.050	EPA 353.2	3-15-22	3-15-22	



Date of Report: April 11, 2022
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Laboratory Reference: 2203-149
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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Sulfate	25	10	ASTM D516-11	3-14-22	3-14-22	



Date of Report: April 11, 2022
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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-6-31122					
Laboratory ID:	03-149-01					
Ammonia	0.096	0.050	SM 4500-NH3 D	3-16-22	3-16-22	



Date of Report: April 11, 2022
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**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:	MB0314W1					
Gasoline	ND	100	NWTPH-Gx	3-14-22	3-14-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-116-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				91	91	66-117		



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**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:	MB0315W1					
Diesel Range Organics	ND	0.20	NWTPH-Dx	3-15-22	3-15-22	X1
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	3-15-22	3-15-22	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>104</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0315W1							
	ORIG	DUP						
Diesel Fuel #2	0.450	0.417	NA	NA	NA	NA	8	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				120	110	50-150		



Date of Report: April 11, 2022
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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0316W1					
Dichlorodifluoromethane	ND	0.29	EPA 8260D	3-16-22	3-16-22	
Chloromethane	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Bromomethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Chloroethane	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Acetone	ND	5.0	EPA 8260D	3-16-22	3-16-22	
Iodomethane	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-16-22	3-16-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-16-22	3-16-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
2-Butanone	ND	5.0	EPA 8260D	3-16-22	3-16-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Chloroform	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Benzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Trichloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Dibromomethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-16-22	3-16-22	
Toluene	ND	1.0	EPA 8260D	3-16-22	3-16-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-16-22	3-16-22	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0316W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
2-Hexanone	ND	2.0	EPA 8260D	3-16-22	3-16-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-16-22	3-16-22	
o-Xylene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Styrene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Bromoform	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Bromobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-16-22	3-16-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-16-22	3-16-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-16-22	3-16-22	
Naphthalene	ND	1.0	EPA 8260D	3-16-22	3-16-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-16-22	3-16-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-125</i>				



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0316W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.8	10.5	10.0	10.0	108	105	78-125	3	19	
Benzene	11.0	10.7	10.0	10.0	110	107	80-119	3	16	
Trichloroethene	11.3	11.1	10.0	10.0	113	111	80-121	2	18	
Toluene	10.7	10.6	10.0	10.0	107	106	80-117	1	18	
Chlorobenzene	11.4	11.3	10.0	10.0	114	113	80-117	1	17	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					99	100	75-127			
<i>Toluene-d8</i>					100	101	80-127			
<i>4-Bromofluorobenzene</i>					99	101	78-125			



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

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0315W1					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Pyridine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Phenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Aniline	ND	5.0	EPA 8270E	3-15-22	3-15-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-15-22	3-15-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-15-22	3-15-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-15-22	3-15-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Isophorone	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Dimethylphthalate	ND	5.0	EPA 8270E	3-15-22	3-15-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	



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: April 11, 2022
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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0315W1					
2,4-Dinitrophenol	ND	8.5	EPA 8270E	3-15-22	3-15-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
4-Nitrophenol	ND	5.0	EPA 8270E	3-15-22	3-15-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-15-22	3-15-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-15-22	3-15-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
4,6-Dinitro-2-methylphenol	ND	6.3	EPA 8270E	3-15-22	3-15-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Pentachlorophenol	ND	6.3	EPA 8270E	3-15-22	3-15-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Carbazole	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	3-15-22	3-15-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-15-22	3-16-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-15-22	3-15-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	3-15-22	3-15-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	3-15-22	3-15-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-15-22	3-15-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-15-22	3-16-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	47	10 - 82				
Phenol-d6	34	10 - 92				
Nitrobenzene-d5	73	32 - 105				
2-Fluorobiphenyl	66	38 - 105				
2,4,6-Tribromophenol	85	25 - 124				
Terphenyl-d14	74	42 - 116				



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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-158-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	96.9	89.4	160	160	ND	61	56	20 - 108	8	24	
2-Chlorophenol	116	106	160	160	ND	73	66	24 - 105	9	32	
1,4-Dichlorobenzene	49.1	37.6	80.0	80.0	ND	61	47	24 - 100	27	36	
n-Nitroso-di-n-propylamine	60.5	54.9	80.0	80.0	ND	76	69	21 - 143	10	30	
1,2,4-Trichlorobenzene	54.5	44.7	80.0	80.0	ND	68	56	34 - 105	20	34	
4-Chloro-3-methylphenol	123	117	160	160	ND	77	73	44 - 113	5	21	
Acenaphthene	59.4	53.3	80.0	80.0	ND	74	67	47 - 106	11	19	
4-Nitrophenol	126	111	160	160	ND	79	69	20 - 127	13	37	
2,4-Dinitrotoluene	55.8	52.2	80.0	80.0	ND	70	65	45 - 106	7	19	
Pentachlorophenol	136	121	160	160	ND	85	76	20 - 136	12	39	
Pyrene	61.3	59.5	80.0	80.0	ND	77	74	47 - 112	3	23	
<i>Surrogate:</i>											
2-Fluorophenol						68	60	10 - 82			
Phenol-d6						65	60	10 - 92			
Nitrobenzene-d5						79	73	32 - 105			
2-Fluorobiphenyl						78	69	38 - 105			
2,4,6-Tribromophenol						83	79	25 - 124			
Terphenyl-d14						79	76	42 - 116			



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 Project: 6694-002-05 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0316W1					
Aroclor 1016	ND	0.050	EPA 8082A	3-16-22	3-18-22	
Aroclor 1221	ND	0.050	EPA 8082A	3-16-22	3-18-22	
Aroclor 1232	ND	0.050	EPA 8082A	3-16-22	3-18-22	
Aroclor 1242	ND	0.050	EPA 8082A	3-16-22	3-18-22	
Aroclor 1248	ND	0.050	EPA 8082A	3-16-22	3-18-22	
Aroclor 1254	ND	0.050	EPA 8082A	3-16-22	3-18-22	
Aroclor 1260	ND	0.050	EPA 8082A	3-16-22	3-18-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	97		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0316W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.450	0.424	0.500	0.500	N/A	90	85	73-131	6	12	
<i>Surrogate:</i>											
DCB						96	94	42-140			



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0316W1					
alpha-BHC	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
beta-BHC	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
delta-BHC	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Heptachlor	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Aldrin	ND	0.0020	EPA 8081B	3-16-22	3-16-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-16-22	3-16-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
4,4'-DDE	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Endosulfan I	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Dieldrin	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Endrin	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
4,4'-DDD	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Endosulfan II	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
4,4'-DDT	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Methoxychlor	ND	0.010	EPA 8081B	3-16-22	3-16-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	3-16-22	3-16-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-16-22	3-16-22	
Toxaphene	ND	0.050	EPA 8081B	3-16-22	3-16-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	72	25-114				
DCB	100	30-137				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0316W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0839	0.0887	0.100	0.100	N/A	84	89	42-113	6	19	
gamma-BHC (Lindane)	0.0823	0.0874	0.100	0.100	N/A	82	87	45-114	6	15	
beta-BHC	0.0837	0.0865	0.100	0.100	N/A	84	86	40-118	3	15	
delta-BHC	0.0775	0.0799	0.100	0.100	N/A	78	80	20-125	3	15	
Heptachlor	0.0768	0.0791	0.100	0.100	N/A	77	79	41-120	3	16	
Aldrin	0.0749	0.0788	0.100	0.100	N/A	75	79	35-115	5	15	
Heptachlor Epoxide	0.0782	0.0813	0.100	0.100	N/A	78	81	50-118	4	15	
gamma-Chlordane	0.0768	0.0806	0.100	0.100	N/A	77	81	46-110	5	15	
alpha-Chlordane	0.0772	0.0805	0.100	0.100	N/A	77	81	38-112	4	15	
4,4'-DDE	0.0894	0.0880	0.100	0.100	N/A	89	88	41-127	2	15	
Endosulfan I	0.0847	0.0884	0.100	0.100	N/A	85	88	45-119	4	15	
Dieldrin	0.0843	0.0874	0.100	0.100	N/A	84	87	46-115	4	15	
Endrin	0.0976	0.102	0.100	0.100	N/A	98	102	52-124	4	15	
4,4'-DDD	0.0869	0.0899	0.100	0.100	N/A	87	90	52-121	3	15	
Endosulfan II	0.0808	0.0854	0.100	0.100	N/A	81	85	44-114	6	15	
4,4'-DDT	0.0944	0.0942	0.100	0.100	N/A	94	94	48-123	0	15	
Endrin Aldehyde	0.0855	0.0853	0.100	0.100	N/A	86	85	45-114	0	15	
Methoxychlor	0.0859	0.0848	0.100	0.100	N/A	86	85	49-130	1	15	
Endosulfan Sulfate	0.0801	0.0839	0.100	0.100	N/A	80	84	39-117	5	15	
Endrin Ketone	0.0759	0.0773	0.100	0.100	N/A	76	77	53-119	2	15	
Surrogate:											
TCMX						55	61	25-114			
DCB						94	94	30-137			



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**TOTAL METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0316WH1					
Iron	ND	56	EPA 200.7	3-16-22	3-16-22	
Magnesium	ND	1100	EPA 200.7	3-16-22	3-16-22	
Manganese	ND	11	EPA 200.7	3-16-22	3-16-22	
METHOD BLANK						
Laboratory ID:	MB0314WM1					
Arsenic	ND	3.3	EPA 200.8	3-14-22	3-14-22	
Cadmium	ND	4.4	EPA 200.8	3-14-22	3-14-22	
Chromium	ND	11	EPA 200.8	3-14-22	3-14-22	
Copper	ND	11	EPA 200.8	3-14-22	3-14-22	
Lead	ND	1.1	EPA 200.8	3-14-22	3-14-22	
Nickel	ND	22	EPA 200.8	3-14-22	3-14-22	
Selenium	ND	5.6	EPA 200.8	3-14-22	3-14-22	
Zinc	ND	28	EPA 200.8	3-14-22	3-14-22	
METHOD BLANK						
Laboratory ID:	MB0316W1					
Mercury	ND	0.025	EPA 7470A	3-16-22	3-16-22	



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TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-165-01									
	ORIG	DUP								
Iron	123000	119000	NA	NA		NA	NA	4	20	
Magnesium	59800	58000	NA	NA		NA	NA	3	20	
Manganese	15700	15200	NA	NA		NA	NA	3	20	

Laboratory ID:	03-091-01									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	03-124-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	03-165-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	149000	146000	22200	22200	123000	115	100	75-125	2	20
Magnesium	86200	83900	22200	22200	59800	119	109	75-125	3	20
Manganese	16100	15600	556	556	15700	78	-22	75-125	4	20 A

Laboratory ID:	03-091-01									
Arsenic	122	118	111	111	ND	110	106	75-125	4	20
Cadmium	118	108	111	111	ND	107	97	75-125	9	20
Chromium	117	108	111	111	ND	106	98	75-125	8	20
Copper	110	100	111	111	ND	99	90	75-125	9	20
Lead	113	102	111	111	ND	102	92	75-125	10	20
Nickel	112	102	111	111	ND	101	92	75-125	10	20
Selenium	125	111	111	111	ND	113	100	75-125	11	20
Zinc	116	109	111	111	ND	105	98	75-125	7	20

Laboratory ID:	03-124-01									
Mercury	6.35	6.38	6.25	6.25	ND	102	102	75-125	0	20



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 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0315D1					
Calcium	ND	1100	EPA 200.7		3-15-22	
Iron	ND	56	EPA 200.7		3-15-22	
Magnesium	ND	1100	EPA 200.7		3-15-22	
Manganese	ND	11	EPA 200.7		3-15-22	
Potassium	ND	1100	EPA 200.7		3-15-22	
Sodium	ND	1100	EPA 200.7		3-15-22	
Laboratory ID:	MB0315D1					
Arsenic	ND	3.0	EPA 200.8		3-15-22	
Cadmium	ND	4.0	EPA 200.8		3-15-22	
Chromium	ND	10	EPA 200.8		3-15-22	
Copper	ND	10	EPA 200.8		3-15-22	
Lead	ND	1.0	EPA 200.8		3-15-22	
Nickel	ND	20	EPA 200.8		3-15-22	
Selenium	ND	5.0	EPA 200.8		3-15-22	
Zinc	ND	25	EPA 200.8		3-15-22	
Laboratory ID:	MB0316D1					
Mercury	ND	0.025	EPA 7470A		3-16-22	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-124-01									
	ORIG	DUP								
Calcium	24100	24400	NA	NA		NA	NA	1	20	
Iron	ND	ND	NA	NA		NA	NA	NA	20	
Magnesium	13000	13200	NA	NA		NA	NA	2	20	
Manganese	178	181	NA	NA		NA	NA	2	20	
Potassium	1860	1820	NA	NA		NA	NA	2	20	
Sodium	7050	7030	NA	NA		NA	NA	0	20	
Laboratory ID:	03-149-01									
Arsenic	3.86	3.56	NA	NA		NA	NA	8	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID:	03-149-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	03-124-01									
	MS	MSD	MS	MSD		MS	MSD			
Calcium	48000	47800	22200	22200	24100	108	107	75-125	0	20
Iron	25600	25900	22200	22200	ND	116	117	75-125	1	20
Magnesium	36500	36500	22200	22200	13000	106	106	75-125	0	20
Manganese	729	727	556	556	178	99	99	75-125	0	20
Potassium	28000	28300	22200	22200	1860	118	119	75-125	1	20
Sodium	30700	30900	22200	22200	7050	107	107	75-125	0	20
Laboratory ID:	03-149-01									
Arsenic	90.8	89.2	80.0	80.0	3.86	109	107	75-125	2	20
Cadmium	80.0	80.8	80.0	80.0	ND	100	101	75-125	1	20
Chromium	77.6	77.4	80.0	80.0	ND	97	97	75-125	0	20
Copper	73.6	73.2	80.0	80.0	ND	92	92	75-125	1	20
Lead	76.6	77.2	80.0	80.0	ND	96	97	75-125	1	20
Nickel	82.8	83.8	80.0	80.0	ND	104	105	75-125	1	20
Selenium	93.4	91.4	80.0	80.0	ND	117	114	75-125	2	20
Zinc	82.0	82.0	80.0	80.0	ND	103	103	75-125	0	20
Laboratory ID:	03-149-01									
Mercury	6.28	6.05	6.25	6.25	ND	100	97	75-125	4	20



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: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0315W1					
Total Alkalinity	ND	2.0	SM 2320B	3-15-22	3-15-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-149-01							
	ORIG	DUP						
Total Alkalinity	202	200	NA	NA	NA	1	10	

SPIKE BLANK								
Laboratory ID:	SB0315W1							
	SB	SB		SB				
Total Alkalinity	100	100	NA	100	89-110	NA	NA	



Date of Report: December 15, 2022
 Samples Submitted: December 7, 2022
 Laboratory Reference: 2112-075
 Project: 6694-002-05 T700

**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0315W1					
Bicarbonate Concentration	ND	2.0	SM 2320B	3-15-22	3-15-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-149-01							
	ORIG	DUP						
Total Alkalinity	202	200	NA	NA	NA	1	10	

SPIKE BLANK								
Laboratory ID:	SB0315W1							
	SB	SB		SB				
Total Alkalinity	100	100	NA	100	89-110	NA	NA	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317W1					
Total Dissolved Solids	ND	13	SM 2540C	3-17-22	3-18-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-149-01							
	ORIG	DUP						
Total Dissolved Solids	273	271	NA	NA	NA	1	29	

SPIKE BLANK								
Laboratory ID:	SB0317W1							
	SB	SB		SB				
Total Dissolved Solids	496	500	NA	99	84-110	NA	NA	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**CHLORIDE
 SM 4500-CI E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317W1					
Chloride	ND	2.0	SM 4500-CI E	3-17-22	3-17-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-149-01							
	ORIG	DUP						
Chloride	5.71	5.74	NA	NA	NA	1	15	

MATRIX SPIKE								
Laboratory ID:	03-149-01							
	MS	MS		MS				
Chloride	57.9	50.0	5.71	104	86-115	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0317W1							
	SB	SB		SB				
Chloride	53.7	50.0	NA	107	86-115	NA	NA	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0315W1					
Nitrate	ND	0.050	EPA 353.2	3-15-22	3-15-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-089-01							
	ORIG	DUP						
Nitrate	ND	ND	NA	NA	NA	NA	16	

MATRIX SPIKE								
Laboratory ID:	03-089-01							
	MS	MS		MS				
Nitrate	2.30	2.00	ND	115	92-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0315W1							
	SB	SB		SB				
Nitrate	2.22	2.00	NA	111	90-121	NA	NA	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0314W1					
Sulfate	ND	5.0	ASTM D516-11	3-14-22	3-14-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-080-04							
	ORIG	DUP						
Sulfate	8.40	8.46	NA	NA	NA	1	10	

MATRIX SPIKE								
Laboratory ID:	03-080-04							
	MS	MS		MS				
Sulfate	18.2	10.0	8.40	98	69-139	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0314W1							
	SB	SB		SB				
Sulfate	8.91	10.0	NA	89	89-117	NA	NA	



Date of Report: April 11, 2022
 Samples Submitted: March 11, 2022
 Laboratory Reference: 2203-149
 Project: 6694-002-05 T700

**AMMONIA (as Nitrogen)
 SM 4500-NH₃ D
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0316W1					
Ammonia	ND	0.050	SM 4500-NH3 D	3-16-22	3-16-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-149-01							
	ORIG	DUP						
Ammonia	0.0959	0.102	NA	NA	NA	NA	6	19

MATRIX SPIKE								
Laboratory ID:	03-149-01							
	MS	MS		MS				
Ammonia	4.69	5.00	0.0959	92	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0316W1							
	SB	SB		SB				
Ammonia	4.73	5.00	NA	95	88-110	NA	NA	





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





3600 Fremont Ave. N.
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OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 03-149

Work Order Number: 2203364

March 29, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 3/15/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

www.fremontanalytical.com



Date: 03/29/2022

CLIENT: OnSite Environmental Inc
Project: 03-149
Work Order: 2203364

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203364-001	MW-6-31122	03/11/2022 11:15 AM	03/15/2022 1:46 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: OnSite Environmental Inc

Project: 03-149

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc

Collection Date: 3/11/2022 11:15:00 AM

Project: 03-149

Lab ID: 2203364-001

Matrix: Water

Client Sample ID: MW-6-31122

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 35777

Analyst: SB

Dicamba	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
2,4-D	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
2,4-DP	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
2,4,5-TP (Silvex)	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
2,4,5-T	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
Dinoseb	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
Dalapon	ND	1.98		µg/L	1	3/28/2022 11:53:48 PM
2,4-DB	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
MCPP	ND	4.95		µg/L	1	3/28/2022 11:53:48 PM
MCPA	ND	4.95		µg/L	1	3/28/2022 11:53:48 PM
Picloram	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
Bentazon	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
Chloramben	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
Acifluorfen	ND	4.95		µg/L	1	3/28/2022 11:53:48 PM
3,5-Dichlorobenzoic acid	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
4-Nitrophenol	ND	0.989		µg/L	1	3/28/2022 11:53:48 PM
Dacthal (DCPA)	ND	1.98		µg/L	1	3/28/2022 11:53:48 PM
Surr: 2,4-Dichlorophenylacetic acid	111	65.7 - 136		%Rec	1	3/28/2022 11:53:48 PM



Date: 3/29/2022

Work Order: 2203364
 CLIENT: OnSite Environmental Inc
 Project: 03-149

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-35777	SampType: MBLK	Units: µg/L	Prep Date: 3/18/2022	RunNo: 74378							
Client ID: MBLKW	Batch ID: 35777		Analysis Date: 3/28/2022	SeqNo: 1525417							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	0.980									
2,4-D	ND	0.980									
2,4-DP	ND	0.980									
2,4,5-TP (Silvex)	ND	0.980									
2,4,5-T	ND	0.980									
Dinoseb	ND	0.980									
Dalapon	ND	1.96									
2,4-DB	ND	0.980									
MCPP	ND	4.90									
MCPA	ND	4.90									
Picloram	ND	0.980									
Bentazon	ND	0.980									
Chloramben	ND	0.980									
Acifluorfen	ND	4.90									
3,5-Dichlorobenzoic acid	ND	0.980									
4-Nitrophenol	ND	0.980									
Dacthal (DCPA)	ND	1.96									
Surr: 2,4-Dichlorophenylacetic acid	23.8		19.60		121	65.7	136				

Sample ID: LCS-35777	SampType: LCS	Units: µg/L	Prep Date: 3/18/2022	RunNo: 74378							
Client ID: LCSW	Batch ID: 35777		Analysis Date: 3/28/2022	SeqNo: 1525418							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	4.17	0.988	3.954	0	105	16.6	148				
2,4-D	4.18	0.988	3.954	0	106	50.4	150				
2,4-DP	3.82	0.988	3.954	0	96.7	53	135				
2,4,5-TP (Silvex)	4.07	0.988	3.954	0	103	53.6	140				
2,4,5-T	3.93	0.988	3.954	0	99.3	50	141				
Dinoseb	3.17	0.988	3.954	0	80.3	5	119				
Dalapon	16.1	1.98	19.77	0	81.5	5.65	97.2				



Date: 3/29/2022

Work Order: 2203364
 CLIENT: OnSite Environmental Inc
 Project: 03-149

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-35777	SampType: LCS	Units: µg/L				Prep Date: 3/18/2022	RunNo: 74378				
Client ID: LCSW	Batch ID: 35777					Analysis Date: 3/28/2022	SeqNo: 1525418				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.75	0.988	3.954	0	94.8	54.9	141				
MCPP	20.9	4.94	19.77	0	106	28.7	166				
MCPA	21.0	4.94	19.77	0	106	20.7	176				
Picloram	2.51	0.988	3.954	0	63.5	9.72	120				
Bentazon	3.68	0.988	3.954	0	93.1	41.2	141				
Chloramben	2.32	0.988	3.954	0	58.8	5	109				
Acifluorfen	2.79	4.94	3.954	0	70.6	7.62	139				
3,5-Dichlorobenzoic acid	3.97	0.988	3.954	0	100	52.4	120				
4-Nitrophenol	2.00	0.988	3.954	0	50.6	5	107				
Dacthal (DCPA)	1.71	1.98	3.954	0	43.3	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	22.5		19.77		114	65.7	136				

Sample ID: 2203364-001ADUP	SampType: DUP	Units: µg/L				Prep Date: 3/18/2022	RunNo: 74378				
Client ID: MW-6-31122	Batch ID: 35777					Analysis Date: 3/29/2022	SeqNo: 1525420				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	1.07						0		50	
2,4-D	ND	1.07						0		50	
2,4-DP	ND	1.07						0		50	
2,4,5-TP (Silvex)	ND	1.07						0		50	
2,4,5-T	ND	1.07						0		50	
Dinoseb	ND	1.07						0		50	
Dalapon	ND	2.14						0		50	
2,4-DB	ND	1.07						0		50	
MCPP	ND	5.34						0		50	
MCPA	ND	5.34						0		50	
Picloram	ND	1.07						0		50	
Bentazon	ND	1.07						0		50	
Chloramben	ND	1.07						0		50	
Acifluorfen	ND	5.34						0		50	



Date: 3/29/2022

Work Order: 2203364
 CLIENT: OnSite Environmental Inc
 Project: 03-149

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: 2203364-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/18/2022	RunNo: 74378							
Client ID: MW-6-31122	Batch ID: 35777		Analysis Date: 3/29/2022	SeqNo: 1525420							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

3,5-Dichlorobenzoic acid	ND	1.07						0		50	
4-Nitrophenol	ND	1.07						0		50	
Dacthal (DCPA)	ND	2.14						0		50	
Surr: 2,4-Dichlorophenylacetic acid	26.3		21.37		123	65.7	136		0		

Sample ID: 2203422-001AMS	SampType: MS	Units: µg/L	Prep Date: 3/18/2022	RunNo: 74378							
Client ID: BATCH	Batch ID: 35777		Analysis Date: 3/29/2022	SeqNo: 1525422							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	3.88	0.985	3.941	0	98.5	31	142				
2,4-D	3.84	0.985	3.941	0	97.4	50.3	149				
2,4-DP	3.51	0.985	3.941	0	88.9	49.9	143				
2,4,5-TP (Silvex)	3.78	0.985	3.941	0	95.8	47.7	141				
2,4,5-T	3.62	0.985	3.941	0	91.9	34.4	139				
Dinoseb	2.84	0.985	3.941	0	72.2	27.3	117				
Dalapon	14.4	1.97	19.70	0	72.9	14.2	113				
2,4-DB	3.34	0.985	3.941	0	84.8	31.3	147				
MCPP	19.1	4.93	19.70	0	96.8	30.5	177				
MCPA	19.0	4.93	19.70	0	96.5	36.8	163				
Picloram	2.24	0.985	3.941	0	56.7	18.8	115				
Bentazon	3.38	0.985	3.941	0	85.8	11.9	176				
Chloramben	2.45	0.985	3.941	0	62.3	5	112				
Acifluorfen	2.46	4.93	3.941	0	62.4	28.1	146				
3,5-Dichlorobenzoic acid	3.69	0.985	3.941	0	93.7	36.2	146				
4-Nitrophenol	2.20	0.985	3.941	0	55.9	5	116				
Dacthal (DCPA)	1.44	1.97	3.941	0	36.7	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	20.4		19.70		103	65.7	136				



Sample Log-In Check List

Client Name: ONSITE	Work Order Number: 2203364
Logged by: Gabrielle Coeuille	Date Received: 3/15/2022 1:46:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	6.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request (in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)
- _____ (other)

Laboratory Number: 03-149

Company: **NEI**

Project Number: **6694-002-05**

Project Name: **V10 - Bays East**

Project Manager: **Kumuth Lyrac**

Sampled by: **WDS**

Lab ID: **1**

Sample Identification: **MWD-6-31122**

Date Sampled: **3/11/22**

Time Sampled: **1115**

Matrix: **water**

Number of Containers

<input type="checkbox"/>	NWTPH-HCID
<input type="checkbox"/>	NWTPH-Gx/BTEX
<input checked="" type="checkbox"/>	NWTPH-Gx
<input checked="" type="checkbox"/>	NWTPH-Dx (<input checked="" type="checkbox"/> Acid / SG Clean-up)
<input checked="" type="checkbox"/>	Volatiles 8260D
<input type="checkbox"/>	Halogenated Volatiles 8260D
<input type="checkbox"/>	EDB EPA 8011 (Waters Only)
<input checked="" type="checkbox"/>	Semivolatiles 8270E/SIM (with low-level PAHs)
<input type="checkbox"/>	PAHs 8270E/SIM (low-level)
<input checked="" type="checkbox"/>	PCBs 8082A
<input checked="" type="checkbox"/>	Organochlorine Pesticides 8081B
<input type="checkbox"/>	Organophosphorus Pesticides 8270E/SIM
<input checked="" type="checkbox"/>	Chlorinated Acid Herbicides 8151A
<input checked="" type="checkbox"/>	Total PCB Metals
<input checked="" type="checkbox"/>	Total MPCA Metals Dissolved
<input checked="" type="checkbox"/>	TCLP Metals Dissolved (Cu, K, Na)
<input type="checkbox"/>	HEM (oil and grease) 1664A
<input checked="" type="checkbox"/>	NH3, TDS
<input checked="" type="checkbox"/>	Alkalinity, bicarbonate, Zn
<input checked="" type="checkbox"/>	Cl, NO3, SO4
<input type="checkbox"/>	% Moisture

Received	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		NEI	3/11/22	1511	* T/D metals: As, cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Mg, Zn
Received		NEI	3/11/22	1500	
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Reviewed/Date					

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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

March 31, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2203-173

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 15, 2022.

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 flourish 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: March 31, 2022
Samples Submitted: March 15, 2022
Laboratory Reference: 2203-173
Project: 6694-002-05 T700

Case Narrative

Samples were collected on March 14, 2022 and received by the laboratory on March 15, 2022. 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.

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: March 31, 2022
Samples Submitted: March 15, 2022
Laboratory Reference: 2203-173
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW7-20220314	03-173-01	Water	3-14-22	3-15-22	



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Gasoline	ND	100	NWTPH-Gx	3-17-22	3-17-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-117				



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

**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:	MW7-20220314					
Laboratory ID:	03-173-01					
Diesel Range Organics	ND	0.20	NWTPH-Dx	3-21-22	3-21-22	
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	3-21-22	3-21-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>81</i>	<i>50-150</i>				



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	3-17-22	3-17-22	
Chloromethane	ND	1.3	EPA 8260D	3-17-22	3-17-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Bromomethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Chloroethane	ND	1.0	EPA 8260D	3-17-22	3-17-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Acetone	ND	5.0	EPA 8260D	3-17-22	3-17-22	
Iodomethane	ND	1.0	EPA 8260D	3-17-22	3-17-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-17-22	3-17-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-17-22	3-17-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
2-Butanone	ND	5.0	EPA 8260D	3-17-22	3-17-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Chloroform	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Benzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Trichloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Dibromomethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-17-22	3-17-22	
Toluene	ND	1.0	EPA 8260D	3-17-22	3-17-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-17-22	3-17-22	



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
2-Hexanone	ND	2.0	EPA 8260D	3-17-22	3-17-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-17-22	3-17-22	
o-Xylene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Styrene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Bromoform	ND	1.0	EPA 8260D	3-17-22	3-17-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Bromobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-17-22	3-17-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-17-22	3-17-22	
Naphthalene	ND	1.0	EPA 8260D	3-17-22	3-17-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	75-127				
<i>Toluene-d8</i>	98	80-127				
<i>4-Bromofluorobenzene</i>	97	78-125				



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

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:	MW7-20220314					
Laboratory ID:	03-173-01					
n-Nitrosodimethylamine	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Pyridine	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Phenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Aniline	ND	4.8	EPA 8270E	3-18-22	3-18-22	
bis(2-Chloroethyl)ether	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2-Chlorophenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
1,3-Dichlorobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
1,4-Dichlorobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Benzyl alcohol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
1,2-Dichlorobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2-Methylphenol (o-Cresol)	ND	0.95	EPA 8270E	3-18-22	3-18-22	
bis(2-Chloroisopropyl)ether	ND	0.95	EPA 8270E	3-18-22	3-18-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.95	EPA 8270E	3-18-22	3-18-22	
n-Nitroso-di-n-propylamine	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Hexachloroethane	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Nitrobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Isophorone	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2-Nitrophenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2,4-Dimethylphenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
bis(2-Chloroethoxy)methane	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2,4-Dichlorophenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
1,2,4-Trichlorobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Naphthalene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
4-Chloroaniline	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Hexachlorobutadiene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
4-Chloro-3-methylphenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
1-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
Hexachlorocyclopentadiene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2,4,6-Trichlorophenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2,3-Dichloroaniline	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2,4,5-Trichlorophenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2-Chloronaphthalene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2-Nitroaniline	ND	0.95	EPA 8270E	3-18-22	3-18-22	
1,4-Dinitrobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Dimethylphthalate	ND	4.8	EPA 8270E	3-18-22	3-18-22	
1,3-Dinitrobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2,6-Dinitrotoluene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
1,2-Dinitrobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Acenaphthylene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
3-Nitroaniline	ND	0.95	EPA 8270E	3-18-22	3-18-22	



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
2,4-Dinitrophenol	ND	6.6	EPA 8270E	3-18-22	3-18-22	
Acenaphthene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
4-Nitrophenol	ND	4.8	EPA 8270E	3-18-22	3-18-22	
2,4-Dinitrotoluene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Dibenzofuran	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2,3,5,6-Tetrachlorophenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
2,3,4,6-Tetrachlorophenol	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Diethylphthalate	ND	0.95	EPA 8270E	3-18-22	3-18-22	
4-Chlorophenyl-phenylether	ND	0.95	EPA 8270E	3-18-22	3-18-22	
4-Nitroaniline	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Fluorene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270E	3-18-22	3-18-22	
n-Nitrosodiphenylamine	ND	0.95	EPA 8270E	3-18-22	3-18-22	
1,2-Diphenylhydrazine	ND	0.95	EPA 8270E	3-18-22	3-18-22	
4-Bromophenyl-phenylether	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Hexachlorobenzene	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Pentachlorophenol	ND	6.0	EPA 8270E	3-18-22	3-18-22	
Phenanthrene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
Anthracene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
Carbazole	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Di-n-butylphthalate	ND	4.8	EPA 8270E	3-18-22	3-18-22	
Fluoranthene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
Pyrene	ND	0.095	EPA 8270E/SIM	3-18-22	3-18-22	
Butylbenzylphthalate	ND	0.95	EPA 8270E	3-18-22	3-18-22	
bis(2-Ethylhexyl)adipate	ND	4.8	EPA 8270E	3-18-22	3-18-22	
3,3'-Dichlorobenzidine	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Benzo[a]anthracene	ND	0.0095	EPA 8270E/SIM	3-18-22	3-18-22	
Chrysene	ND	0.0095	EPA 8270E/SIM	3-18-22	3-18-22	
bis(2-Ethylhexyl)phthalate	ND	4.8	EPA 8270E	3-18-22	3-18-22	
Di-n-octylphthalate	ND	0.95	EPA 8270E	3-18-22	3-18-22	
Benzo[b]fluoranthene	ND	0.0095	EPA 8270E/SIM	3-18-22	3-18-22	
Benzo(j,k)fluoranthene	ND	0.0095	EPA 8270E/SIM	3-18-22	3-18-22	
Benzo[a]pyrene	ND	0.0095	EPA 8270E/SIM	3-18-22	3-18-22	
Indeno[1,2,3-cd]pyrene	ND	0.0095	EPA 8270E/SIM	3-18-22	3-18-22	
Dibenz[a,h]anthracene	ND	0.0095	EPA 8270E/SIM	3-18-22	3-18-22	
Benzo[g,h,i]perylene	ND	0.0095	EPA 8270E/SIM	3-18-22	3-18-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>40</i>	<i>10 - 82</i>				
<i>Phenol-d6</i>	<i>29</i>	<i>10 - 92</i>				
<i>Nitrobenzene-d5</i>	<i>64</i>	<i>32 - 105</i>				
<i>2-Fluorobiphenyl</i>	<i>60</i>	<i>38 - 105</i>				
<i>2,4,6-Tribromophenol</i>	<i>78</i>	<i>25 - 124</i>				
<i>Terphenyl-d14</i>	<i>63</i>	<i>42 - 116</i>				



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PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Aroclor 1016	ND	0.053	EPA 8082A	3-21-22	3-21-22	
Aroclor 1221	ND	0.053	EPA 8082A	3-21-22	3-21-22	
Aroclor 1232	ND	0.053	EPA 8082A	3-21-22	3-21-22	
Aroclor 1242	ND	0.053	EPA 8082A	3-21-22	3-21-22	
Aroclor 1248	ND	0.053	EPA 8082A	3-21-22	3-21-22	
Aroclor 1254	ND	0.053	EPA 8082A	3-21-22	3-21-22	
Aroclor 1260	ND	0.053	EPA 8082A	3-21-22	3-21-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>97</i>	<i>42-140</i>				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
alpha-BHC	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
gamma-BHC (Lindane)	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
beta-BHC	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
delta-BHC	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Heptachlor	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Aldrin	ND	0.0021	EPA 8081B	3-21-22	3-21-22	
Heptachlor Epoxide	ND	0.0032	EPA 8081B	3-21-22	3-21-22	
gamma-Chlordane	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
alpha-Chlordane	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
4,4'-DDE	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Endosulfan I	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Dieldrin	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Endrin	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
4,4'-DDD	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Endosulfan II	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
4,4'-DDT	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Endrin Aldehyde	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Methoxychlor	ND	0.011	EPA 8081B	3-21-22	3-21-22	
Endosulfan Sulfate	ND	0.0053	EPA 8081B	3-21-22	3-21-22	
Endrin Ketone	ND	0.021	EPA 8081B	3-21-22	3-21-22	
Toxaphene	ND	0.053	EPA 8081B	3-21-22	3-21-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	59	25-114				
DCB	95	30-137				



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TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Arsenic	10	3.3	EPA 200.8	3-23-22	3-23-22	
Cadmium	ND	4.4	EPA 200.8	3-23-22	3-23-22	
Chromium	ND	11	EPA 200.8	3-23-22	3-23-22	
Copper	ND	11	EPA 200.8	3-23-22	3-23-22	
Iron	2100	50	EPA 200.7	3-23-22	3-23-22	
Lead	1.2	1.1	EPA 200.8	3-23-22	3-23-22	
Magnesium	13000	1000	EPA 200.7	3-23-22	3-23-22	
Manganese	180	10	EPA 200.7	3-23-22	3-23-22	
Mercury	ND	0.025	EPA 7470A	3-23-22	3-23-22	
Nickel	ND	22	EPA 200.8	3-23-22	3-23-22	
Selenium	ND	5.6	EPA 200.8	3-23-22	3-23-22	
Zinc	ND	28	EPA 200.8	3-23-22	3-23-22	



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DISSOLVED METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Arsenic	8.8	3.0	EPA 200.8		3-23-22	
Cadmium	ND	4.0	EPA 200.8		3-23-22	
Calcium	18000	1100	EPA 200.7		3-24-22	
Chromium	ND	10	EPA 200.8		3-23-22	
Copper	ND	10	EPA 200.8		3-23-22	
Iron	ND	56	EPA 200.7		3-24-22	
Lead	ND	1.0	EPA 200.8		3-23-22	
Magnesium	12000	1100	EPA 200.7		3-24-22	
Manganese	62	11	EPA 200.7		3-24-22	
Mercury	ND	0.025	EPA 7470A		3-23-22	
Nickel	ND	20	EPA 200.8		3-23-22	
Potassium	2200	1100	EPA 200.7		3-24-22	
Selenium	ND	5.0	EPA 200.8		3-23-22	
Sodium	6000	1100	EPA 200.7		3-24-22	
Zinc	ND	25	EPA 200.8		3-23-22	



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**TOTAL ALKALINITY
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Total Alkalinity	94	2.0	SM 2320B	3-21-22	3-21-22	



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**BICARBONATE
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Bicarbonate Concentration	94	2.0	SM 2320B	3-21-22	3-21-22	



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**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Total Dissolved Solids	140	13	SM 2540C	3-17-22	3-18-22	



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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Chloride	5.3	2.0	SM 4500-Cl E	3-17-22	3-17-22	



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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Nitrate	0.12	0.050	EPA 353.2	3-22-22	3-22-22	



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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Sulfate	5.9	5.0	ASTM D516-11	3-18-22	3-18-22	



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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW7-20220314					
Laboratory ID:	03-173-01					
Ammonia	ND	0.050	SM 4500-NH3 D	3-22-22	3-22-22	



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**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:	MB0317W2					
Gasoline	ND	100	NWTPH-Gx	3-17-22	3-17-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-173-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				89	89	66-117		



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**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:	MB0321W1					
Diesel Range Organics	ND	0.16	NWTPH-Dx	3-21-22	3-21-22	
Lube Oil Range Organics	ND	0.16	NWTPH-Dx	3-21-22	3-21-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0321W1							
	ORIG	DUP						
Diesel Fuel #2	0.435	0.428	NA	NA	NA	NA	2	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				101	88	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317W1					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	3-17-22	3-17-22	
Chloromethane	ND	1.3	EPA 8260D	3-17-22	3-17-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Bromomethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Chloroethane	ND	1.0	EPA 8260D	3-17-22	3-17-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Acetone	ND	5.0	EPA 8260D	3-17-22	3-17-22	
Iodomethane	ND	1.0	EPA 8260D	3-17-22	3-17-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-17-22	3-17-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-17-22	3-17-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
2-Butanone	ND	5.0	EPA 8260D	3-17-22	3-17-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Chloroform	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Benzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Trichloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Dibromomethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-17-22	3-17-22	
Toluene	ND	1.0	EPA 8260D	3-17-22	3-17-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-17-22	3-17-22	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
2-Hexanone	ND	2.0	EPA 8260D	3-17-22	3-17-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-17-22	3-17-22	
o-Xylene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Styrene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Bromoform	ND	1.0	EPA 8260D	3-17-22	3-17-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Bromobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-17-22	3-17-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-17-22	3-17-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-17-22	3-17-22	
Naphthalene	ND	1.0	EPA 8260D	3-17-22	3-17-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-17-22	3-17-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0317W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.3	10.2	10.0	10.0	103	102	78-125	1	19	
Benzene	10.4	10.5	10.0	10.0	104	105	80-119	1	16	
Trichloroethene	11.1	11.2	10.0	10.0	111	112	80-121	1	18	
Toluene	10.5	10.7	10.0	10.0	105	107	80-117	2	18	
Chlorobenzene	11.3	11.5	10.0	10.0	113	115	80-117	2	17	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					93	92	75-127			
<i>Toluene-d8</i>					99	101	80-127			
<i>4-Bromofluorobenzene</i>					99	101	78-125			



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

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0318W1					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Pyridine	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Phenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Aniline	ND	5.0	EPA 8270E	3-18-22	3-18-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-18-22	3-18-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-18-22	3-18-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-18-22	3-18-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Isophorone	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-18-22	3-18-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Dimethylphthalate	ND	5.0	EPA 8270E	3-18-22	3-18-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-18-22	3-18-22	



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

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0318W1					
2,4-Dinitrophenol	ND	6.9	EPA 8270E	3-18-22	3-18-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
4-Nitrophenol	ND	5.0	EPA 8270E	3-18-22	3-18-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-18-22	3-18-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-18-22	3-18-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	3-18-22	3-18-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-18-22	3-18-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-18-22	3-18-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Pentachlorophenol	ND	6.3	EPA 8270E	3-18-22	3-18-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
Carbazole	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	3-18-22	3-18-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-18-22	3-18-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-18-22	3-18-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	3-18-22	3-18-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-18-22	3-18-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-18-22	3-18-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	3-18-22	3-18-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-18-22	3-18-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-18-22	3-18-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-18-22	3-18-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-18-22	3-18-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-18-22	3-18-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-18-22	3-18-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-18-22	3-18-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	29	10 - 82				
Phenol-d6	23	10 - 92				
Nitrobenzene-d5	47	32 - 105				
2-Fluorobiphenyl	48	38 - 105				
2,4,6-Tribromophenol	70	25 - 124				
Terphenyl-d14	62	42 - 116				



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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0318W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	12.3	12.6	40.0	40.0	31	32	21 - 53	2	26	
2-Chlorophenol	25.0	25.8	40.0	40.0	63	65	38 - 92	3	28	
1,4-Dichlorobenzene	11.0	10.1	20.0	20.0	55	51	30 - 88	9	32	
n-Nitroso-di-n-propylamine	13.4	13.9	20.0	20.0	67	70	40 - 103	4	27	
1,2,4-Trichlorobenzene	12.2	11.2	20.0	20.0	61	56	37 - 95	9	29	
4-Chloro-3-methylphenol	28.0	29.3	40.0	40.0	70	73	50 - 101	5	17	
Acenaphthene	13.9	13.5	20.0	20.0	70	68	46 - 97	3	19	
4-Nitrophenol	19.1	19.5	40.0	40.0	48	49	23 - 64	2	34	
2,4-Dinitrotoluene	15.0	15.1	20.0	20.0	75	76	46 - 100	1	17	
Pentachlorophenol	36.3	36.7	40.0	40.0	91	92	39 - 123	1	29	
Pyrene	13.6	14.5	20.0	20.0	68	73	52 - 107	6	19	
<i>Surrogate:</i>										
2-Fluorophenol					43	46	10 - 82			
Phenol-d6					32	33	10 - 92			
Nitrobenzene-d5					69	70	32 - 105			
2-Fluorobiphenyl					67	66	38 - 105			
2,4,6-Tribromophenol					82	80	25 - 124			
Terphenyl-d14					65	68	42 - 116			



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0321W1					
Aroclor 1016	ND	0.050	EPA 8082A	3-21-2022	3-21-2022	
Aroclor 1221	ND	0.050	EPA 8082A	3-21-2022	3-21-2022	
Aroclor 1232	ND	0.050	EPA 8082A	3-21-2022	3-21-2022	
Aroclor 1242	ND	0.050	EPA 8082A	3-21-2022	3-21-2022	
Aroclor 1248	ND	0.050	EPA 8082A	3-21-2022	3-21-2022	
Aroclor 1254	ND	0.050	EPA 8082A	3-21-2022	3-21-2022	
Aroclor 1260	ND	0.050	EPA 8082A	3-21-2022	3-21-2022	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	93	42-140				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0321W1									
	SB	SBD	SB	SBD		SB	SBD			
Aroclor 1260	0.438	0.416	0.500	0.500	N/A	88	83	73-131	5	12
<i>Surrogate:</i>										
DCB						91	91	42-140		



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0321W1					
alpha-BHC	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
beta-BHC	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
delta-BHC	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Heptachlor	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Aldrin	ND	0.0020	EPA 8081B	3-21-22	3-21-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-21-22	3-21-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
4,4'-DDE	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Endosulfan I	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Dieldrin	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Endrin	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
4,4'-DDD	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Endosulfan II	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
4,4'-DDT	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Methoxychlor	ND	0.010	EPA 8081B	3-21-22	3-21-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	3-21-22	3-21-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-21-22	3-21-22	
Toxaphene	ND	0.050	EPA 8081B	3-21-22	3-21-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	62	25-114				
DCB	98	30-137				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0321W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0867	0.0895	0.100	0.100	N/A	87	90	42-113	3	19	
gamma-BHC (Lindane)	0.0837	0.0863	0.100	0.100	N/A	84	86	45-114	3	15	
beta-BHC	0.0860	0.0872	0.100	0.100	N/A	86	87	40-118	1	15	
delta-BHC	0.0876	0.0899	0.100	0.100	N/A	88	90	20-125	3	15	
Heptachlor	0.0790	0.0820	0.100	0.100	N/A	79	82	41-120	4	16	
Aldrin	0.0838	0.0880	0.100	0.100	N/A	84	88	35-115	5	15	
Heptachlor Epoxide	0.0822	0.0826	0.100	0.100	N/A	82	83	50-118	0	15	
gamma-Chlordane	0.0851	0.0857	0.100	0.100	N/A	85	86	46-110	1	15	
alpha-Chlordane	0.0839	0.0850	0.100	0.100	N/A	84	85	38-112	1	15	
4,4'-DDE	0.0956	0.0941	0.100	0.100	N/A	96	94	41-127	2	15	
Endosulfan I	0.0921	0.0918	0.100	0.100	N/A	92	92	45-119	0	15	
Dieldrin	0.0911	0.0913	0.100	0.100	N/A	91	91	46-115	0	15	
Endrin	0.104	0.104	0.100	0.100	N/A	104	104	52-124	0	15	
4,4'-DDD	0.0942	0.0933	0.100	0.100	N/A	94	93	52-121	1	15	
Endosulfan II	0.0867	0.0866	0.100	0.100	N/A	87	87	44-114	0	15	
4,4'-DDT	0.100	0.0994	0.100	0.100	N/A	100	99	48-123	1	15	
Endrin Aldehyde	0.0907	0.0886	0.100	0.100	N/A	91	89	45-114	2	15	
Methoxychlor	0.0849	0.0829	0.100	0.100	N/A	85	83	49-130	2	15	
Endosulfan Sulfate	0.0858	0.0859	0.100	0.100	N/A	86	86	39-117	0	15	
Endrin Ketone	0.0836	0.0806	0.100	0.100	N/A	84	81	53-119	4	15	
Surrogate:											
TCMX						68	76	25-114			
DCB						100	98	30-137			



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TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323WH1					
Iron	ND	56	EPA 200.7	3-23-22	3-23-22	
Magnesium	ND	1100	EPA 200.7	3-23-22	3-23-22	
Manganese	ND	11	EPA 200.7	3-23-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0323WM1					
Arsenic	ND	3.3	EPA 200.8	3-23-22	3-23-22	
Cadmium	ND	4.4	EPA 200.8	3-23-22	3-23-22	
Chromium	ND	11	EPA 200.8	3-23-22	3-23-22	
Copper	ND	11	EPA 200.8	3-23-22	3-23-22	
Lead	ND	1.1	EPA 200.8	3-23-22	3-23-22	
Nickel	ND	22	EPA 200.8	3-23-22	3-23-22	
Selenium	ND	5.6	EPA 200.8	3-23-22	3-23-22	
Zinc	ND	28	EPA 200.8	3-23-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0323W1					
Mercury	ND	0.025	EPA 7470A	3-23-22	3-23-22	



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TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-161-05									
	ORIG	DUP								
Iron	1430	1420	NA	NA		NA	NA	1	20	
Magnesium	8530	8330	NA	NA		NA	NA	2	20	
Manganese	278	270	NA	NA		NA	NA	3	20	

Laboratory ID:	03-161-07									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	03-173-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	03-161-05									
	MS	MSD	MS	MSD		MS	MSD			
Iron	24800	24700	22200	22200	1430	105	105	75-125	0	20
Magnesium	32600	31700	22200	22200	8530	108	104	75-125	3	20
Manganese	903	880	556	556	278	113	108	75-125	3	20

Laboratory ID:	03-161-07									
Arsenic	113	106	111	111	ND	102	96	75-125	6	20
Cadmium	104	102	111	111	ND	94	92	75-125	3	20
Chromium	104	99.1	111	111	ND	94	89	75-125	5	20
Copper	101	96.4	111	111	ND	91	87	75-125	5	20
Lead	110	105	111	111	ND	99	94	75-125	5	20
Nickel	101	95.6	111	111	ND	91	86	75-125	5	20
Selenium	115	110	111	111	ND	103	99	75-125	4	20
Zinc	119	114	111	111	13.3	96	91	75-125	4	20

Laboratory ID:	03-173-01									
Mercury	6.18	6.20	6.25	6.25	ND	99	99	75-125	0	20



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**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324D1					
Calcium	ND	1100	EPA 200.7		3-24-22	
Iron	ND	56	EPA 200.7		3-24-22	
Magnesium	ND	1100	EPA 200.7		3-24-22	
Manganese	ND	11	EPA 200.7		3-24-22	
Potassium	ND	1100	EPA 200.7		3-24-22	
Sodium	ND	1100	EPA 200.7		3-24-22	
METHOD BLANK						
Laboratory ID:	MB0318F1					
Arsenic	ND	3.0	EPA 200.8	3-18-22	3-23-22	
Cadmium	ND	4.0	EPA 200.8	3-18-22	3-23-22	
Chromium	ND	10	EPA 200.8	3-18-22	3-23-22	
Copper	ND	10	EPA 200.8	3-18-22	3-23-22	
Lead	ND	1.0	EPA 200.8	3-18-22	3-23-22	
Nickel	ND	20	EPA 200.8	3-18-22	3-23-22	
Selenium	ND	5.0	EPA 200.8	3-18-22	3-23-22	
Zinc	ND	25	EPA 200.8	3-18-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0323D1					
Mercury	ND	0.025	EPA 7470A		3-23-22	



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**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-173-01							
	ORIG	DUP						
Calcium	18200	18400	NA	NA	NA	NA	1	20
Iron	ND	ND	NA	NA	NA	NA	NA	20
Magnesium	11500	11500	NA	NA	NA	NA	0	20
Manganese	61.6	62.9	NA	NA	NA	NA	2	20
Potassium	2230	2260	NA	NA	NA	NA	1	20
Sodium	5970	6020	NA	NA	NA	NA	1	20

Laboratory ID:	03-173-01							
Arsenic	8.84	9.40	NA	NA	NA	NA	6	20
Cadmium	ND	ND	NA	NA	NA	NA	NA	20
Chromium	ND	ND	NA	NA	NA	NA	NA	20
Copper	ND	ND	NA	NA	NA	NA	NA	20
Lead	ND	ND	NA	NA	NA	NA	NA	20
Nickel	ND	ND	NA	NA	NA	NA	NA	20
Selenium	ND	ND	NA	NA	NA	NA	NA	20
Zinc	ND	ND	NA	NA	NA	NA	NA	20

Laboratory ID:	03-173-01							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	03-173-01									
	MS	MSD	MS	MSD	MS	MSD				
Calcium	40800	39000	22200	22200	18200	102	94	75-125	5	20
Iron	24300	22800	22200	22200	ND	110	103	75-125	7	20
Magnesium	34400	32500	22200	22200	11500	103	95	75-125	6	20
Manganese	689	606	556	556	61.6	113	98	75-125	13	20
Potassium	26000	24300	22200	22200	2230	107	100	75-125	7	20
Sodium	30200	28600	22200	22200	5970	109	102	75-125	5	20

Laboratory ID:	03-173-01									
Arsenic	91.6	92.2	80.0	80.0	8.84	103	104	75-125	1	20
Cadmium	79.4	79.0	80.0	80.0	ND	99	99	75-125	1	20
Chromium	79.4	78.2	80.0	80.0	ND	99	98	75-125	2	20
Copper	76.6	75.4	80.0	80.0	ND	96	94	75-125	2	20
Lead	82.4	81.8	80.0	80.0	ND	103	102	75-125	1	20
Nickel	76.8	75.8	80.0	80.0	ND	96	95	75-125	1	20
Selenium	85.8	84.0	80.0	80.0	ND	107	105	75-125	2	20
Zinc	82.0	82.6	80.0	80.0	ND	103	103	75-125	1	20

Laboratory ID:	03-173-01									
Mercury	6.20	6.33	6.25	6.25	ND	99	101	75-125	2	20



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: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0321W1					
Total Alkalinity	ND	2.0	SM 2320B	3-21-22	3-21-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-173-01							
	ORIG	DUP						
Total Alkalinity	94.0	94.0	NA	NA	NA	0	10	

SPIKE BLANK								
Laboratory ID:	SB0321W1							
	SB	SB		SB				
Total Alkalinity	104	100	NA	104	89-110	NA	NA	



Date of Report: March 31, 2022
 Samples Submitted: December 7, 2022
 Laboratory Reference: 2112-075
 Project: 6694-002-05 T700

**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0321W1					
Bicarbonate Concentration	ND	2.0	SM 2320B	3-21-22	3-21-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-173-01							
	ORIG	DUP						
Total Alkalinity	94.0	94.0	NA	NA	NA	0	10	

SPIKE BLANK								
Laboratory ID:	SB0321W1							
	SB	SB		SB				
Total Alkalinity	104	100	NA	104	89-110	NA	NA	



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317W1					
Total Dissolved Solids	ND	13	SM 2540C	3-17-22	3-18-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-149-01							
	ORIG	DUP						
Total Dissolved Solids	273	271	NA	NA	NA	1	29	

SPIKE BLANK								
Laboratory ID:	SB0317W1							
	SB	SB		SB				
Total Dissolved Solids	496	500	NA	99	84-110	NA	NA	



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

**CHLORIDE
 SM 4500-Cl E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0317W1					
Chloride	ND	2.0	SM 4500-Cl E	3-17-22	3-17-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-149-01							
	ORIG	DUP						
Chloride	5.71	5.74	NA	NA	NA	1	15	

MATRIX SPIKE								
Laboratory ID:	03-149-01							
	MS	MS		MS				
Chloride	57.9	50.0	5.71	104	86-115	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0317W1							
	SB	SB		SB				
Chloride	53.7	50.0	NA	107	86-115	NA	NA	



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Nitrate	ND	0.050	EPA 353.2	3-22-22	3-22-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-173-01							
	ORIG	DUP						
Nitrate	0.117	0.128	NA	NA	NA	9	16	

MATRIX SPIKE								
Laboratory ID:	03-173-01							
	MS	MS		MS				
Nitrate	2.46	2.00	0.117	117	92-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0322W1							
	SB	SB		SB				
Nitrate	2.31	2.00	NA	116	90-121	NA	NA	



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0318W1					
Sulfate	ND	5.0	ASTM D516-11	3-18-22	3-18-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-198-03							
	ORIG	DUP						
Sulfate	37.7	37.5	NA	NA	NA	1	10	

MATRIX SPIKE								
Laboratory ID:	03-198-03							
	MS	MS		MS				
Sulfate	76.0	40.0	37.7	96	69-139	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0318W1							
	SB	SB		SB				
Sulfate	10.1	10.0	NA	101	89-117	NA	NA	



Date of Report: March 31, 2022
 Samples Submitted: March 15, 2022
 Laboratory Reference: 2203-173
 Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH₃ D
QUALITY CONTROL

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Ammonia	ND	0.050	SM 4500-NH3 D	3-22-22	3-22-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-222-02							
	ORIG	DUP						
Ammonia	ND	ND	NA	NA	NA	NA	19	

MATRIX SPIKE								
Laboratory ID:	03-222-02							
	MS	MS		MS				
Ammonia	4.95	5.00	ND	99	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0322W1							
	SB	SB		SB				
Ammonia	4.97	5.00	NA	99	88-110	NA	NA	





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





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OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 03-173

Work Order Number: 2203422

March 31, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 3/17/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

www.fremontanalytical.com



CLIENT: OnSite Environmental Inc
Project: 03-173
Work Order: 2203422

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203422-001	MW7-20220314	03/14/2022 3:30 PM	03/17/2022 2:34 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc
Project: 03-173

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc
Project: 03-173
Lab ID: 2203422-001
Client Sample ID: MW7-20220314

Collection Date: 3/14/2022 3:30:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 35777 Analyst: SB

Dicamba	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
2,4-D	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
2,4-DP	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
2,4,5-TP (Silvex)	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
2,4,5-T	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
Dinoseb	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
Dalapon	ND	1.97		µg/L	1	3/29/2022 12:34:31 AM
2,4-DB	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
MCPP	ND	4.92		µg/L	1	3/29/2022 12:34:31 AM
MCPA	ND	4.92		µg/L	1	3/29/2022 12:34:31 AM
Picloram	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
Bentazon	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
Chloramben	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
Acifluorfen	ND	4.92		µg/L	1	3/29/2022 12:34:31 AM
3,5-Dichlorobenzoic acid	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
4-Nitrophenol	ND	0.984		µg/L	1	3/29/2022 12:34:31 AM
Dacthal (DCPA)	ND	1.97		µg/L	1	3/29/2022 12:34:31 AM
Surr: 2,4-Dichlorophenylacetic acid	109	65.7 - 136		%Rec	1	3/29/2022 12:34:31 AM

Work Order: 2203422
 CLIENT: OnSite Environmental Inc
 Project: 03-173

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-35777	SampType: MBLK	Units: µg/L	Prep Date: 3/18/2022	RunNo: 74378							
Client ID: MBLKW	Batch ID: 35777		Analysis Date: 3/28/2022	SeqNo: 1525417							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	0.980									
2,4-D	ND	0.980									
2,4-DP	ND	0.980									
2,4,5-TP (Silvex)	ND	0.980									
2,4,5-T	ND	0.980									
Dinoseb	ND	0.980									
Dalapon	ND	1.96									
2,4-DB	ND	0.980									
MCPP	ND	4.90									
MCPA	ND	4.90									
Picloram	ND	0.980									
Bentazon	ND	0.980									
Chloramben	ND	0.980									
Acifluorfen	ND	4.90									
3,5-Dichlorobenzoic acid	ND	0.980									
4-Nitrophenol	ND	0.980									
Dacthal (DCPA)	ND	1.96									
Surr: 2,4-Dichlorophenylacetic acid	23.8		19.60		121	65.7	136				

Sample ID: LCS-35777	SampType: LCS	Units: µg/L	Prep Date: 3/18/2022	RunNo: 74378							
Client ID: LCSW	Batch ID: 35777		Analysis Date: 3/28/2022	SeqNo: 1525418							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	4.17	0.988	3.954	0	105	16.6	148				
2,4-D	4.18	0.988	3.954	0	106	50.4	150				
2,4-DP	3.82	0.988	3.954	0	96.7	53	135				
2,4,5-TP (Silvex)	4.07	0.988	3.954	0	103	53.6	140				
2,4,5-T	3.93	0.988	3.954	0	99.3	50	141				
Dinoseb	3.17	0.988	3.954	0	80.3	5	119				
Dalapon	16.1	1.98	19.77	0	81.5	5.65	97.2				

Work Order: 2203422
 CLIENT: OnSite Environmental Inc
 Project: 03-173

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-35777	SampType: LCS	Units: µg/L				Prep Date: 3/18/2022	RunNo: 74378				
Client ID: LCSW	Batch ID: 35777					Analysis Date: 3/28/2022	SeqNo: 1525418				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.75	0.988	3.954	0	94.8	54.9	141				
MCPP	20.9	4.94	19.77	0	106	28.7	166				
MCPA	21.0	4.94	19.77	0	106	20.7	176				
Picloram	2.51	0.988	3.954	0	63.5	9.72	120				
Bentazon	3.68	0.988	3.954	0	93.1	41.2	141				
Chloramben	2.32	0.988	3.954	0	58.8	5	109				
Acifluorfen	2.79	4.94	3.954	0	70.6	7.62	139				
3,5-Dichlorobenzoic acid	3.97	0.988	3.954	0	100	52.4	120				
4-Nitrophenol	2.00	0.988	3.954	0	50.6	5	107				
Dacthal (DCPA)	1.71	1.98	3.954	0	43.3	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	22.5		19.77		114	65.7	136				

Sample ID: 2203364-001ADUP	SampType: DUP	Units: µg/L				Prep Date: 3/18/2022	RunNo: 74378				
Client ID: BATCH	Batch ID: 35777					Analysis Date: 3/29/2022	SeqNo: 1525420				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	1.07						0	0	50	
2,4-D	ND	1.07						0	0	50	
2,4-DP	ND	1.07						0	0	50	
2,4,5-TP (Silvex)	ND	1.07						0	0	50	
2,4,5-T	ND	1.07						0	0	50	
Dinoseb	ND	1.07						0	0	50	
Dalapon	ND	2.14						0	0	50	
2,4-DB	ND	1.07						0	0	50	
MCPP	ND	5.34						0	0	50	
MCPA	ND	5.34						0	0	50	
Picloram	ND	1.07						0	0	50	
Bentazon	ND	1.07						0	0	50	
Chloramben	ND	1.07						0	0	50	
Acifluorfen	ND	5.34						0	0	50	

Work Order: 2203422
 CLIENT: OnSite Environmental Inc
 Project: 03-173

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: 2203364-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/18/2022	RunNo: 74378							
Client ID: BATCH	Batch ID: 35777		Analysis Date: 3/29/2022	SeqNo: 1525420							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

3,5-Dichlorobenzoic acid	ND	1.07						0	0	50	
4-Nitrophenol	ND	1.07						0	0	50	
Dacthal (DCPA)	ND	2.14						0	0	50	
Surr: 2,4-Dichlorophenylacetic acid	26.3		21.37		123	65.7	136		0		

Sample ID: 2203422-001AMS	SampType: MS	Units: µg/L	Prep Date: 3/18/2022	RunNo: 74378							
Client ID: MW7-20220314	Batch ID: 35777		Analysis Date: 3/29/2022	SeqNo: 1525422							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	3.88	0.985	3.941	0	98.5	31	142				
2,4-D	3.84	0.985	3.941	0	97.4	50.3	149				
2,4-DP	3.51	0.985	3.941	0	88.9	49.9	143				
2,4,5-TP (Silvex)	3.78	0.985	3.941	0	95.8	47.7	141				
2,4,5-T	3.62	0.985	3.941	0	91.9	34.4	139				
Dinoseb	2.84	0.985	3.941	0	72.2	27.3	117				
Dalapon	14.4	1.97	19.70	0	72.9	14.2	113				
2,4-DB	3.34	0.985	3.941	0	84.8	31.3	147				
MCPP	19.1	4.93	19.70	0	96.8	30.5	177				
MCPA	19.0	4.93	19.70	0	96.5	36.8	163				
Picloram	2.24	0.985	3.941	0	56.7	18.8	115				
Bentazon	3.38	0.985	3.941	0	85.8	11.9	176				
Chloramben	2.45	0.985	3.941	0	62.3	5	112				
Acifluorfen	2.46	4.93	3.941	0	62.4	28.1	146				
3,5-Dichlorobenzoic acid	3.69	0.985	3.941	0	93.7	36.2	146				
4-Nitrophenol	2.20	0.985	3.941	0	55.9	5	116				
Dacthal (DCPA)	1.44	1.97	3.941	0	36.7	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	20.4		19.70		103	65.7	136				

Client Name: **ONSITE**

 Work Order Number: **2203422**

 Logged by: **Clare Griggs**

 Date Received: **3/17/2022 2:34:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



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

Laboratory Reference #: 03-173

2203422

Laboratory: Fremont Analytical

Turnaround Request

Project Manager: David Baumeister

Attention: Chelsea Ward

1 Day 2 Day 3 Day **Standard**

email: dbaumeister@on-site-env.com

3600 Fremont Avenue N, Seattle, WA 98103

Project Number: 6694-002-05

Phone Number: (206) 352-3790

Other: _____

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses	Signature	Company	Date	Time	Comments/Special Instructions
MW7-20220314		3/14/22	15:30	W	1	Chlorinated Acid Herbicides 8151	<i>Nichelle Bell</i>	OSE	3/17/22	13:08	
							<i>Jean</i>	Sply	3/17/22	14:00	
							<i>Wynne Payne</i>	FAI	3/18/22	14:31	

EDDS
Hold Time
3/21 @ 15:30



OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request (in working days)
 (Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: 03-173

Number of Containers

	NWTPH-HCID	
	NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>	
X	NWTPH-Gx	
X	NWTPH-Dx (Acid / SG Clean-up <input type="checkbox"/>)	
X	Volatiles 8260	
	Halogenated Volatiles 8260	
	EDB EPA 8011 (Waters Only)	
X	Semivolatiles 8270/SIM (with low-level PAHs)	
	PAHs 8270/SIM (low-level)	
X	PCBs 8082	
X	Organochlorine Pesticides 8081	
	Organophosphorus Pesticides 8270/SIM	
X	Chlorinated Acid Herbicides 8151	
	Total RCRA Metals	
	Total MTCA Metals	
	TCLP Metals	
	HEM (oil and grease) 1664	
X	TDS	
X	Total + Dissolved Metals*	
X	Total Alkalinity + Bicarbonate*	
X	Dissolved Ca, K, Na	
X	% Moisture Cl, NO ₃ , NH ₄ , SO ₄	

Date Sampled **Time Sampled** **Matrix**

3/14/22 1520 GWS

18

Sample Identification

~~MT~~ 2220314
 MW T DB

Company: Gen
 Project Number: 66940205
 Project Name: Go East
 Project Manager: Garrett Leaver
 Sampled by: [Signature]

Signature

[Signature]

Company

Gen

Date

3/15/22

Time

1640

Comments/Special Instructions

Garrett will email Go East
 analyzer list X-Added 3/17/22. DB
 (STH)
 * - As, Cd, Cr, Cu, Fe, Pb, Mn, Hg,
 Ni, Se, Zn, Mg

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

Relinquished
 Received
 Relinquished
 Received
 Relinquished
 Received
 Reviewed/Date

Reviewed/Date



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

March 28, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2203-222

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 18, 2022.

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 "D. Baumeister", with a long horizontal flourish 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: March 28, 2022
Samples Submitted: March 18, 2022
Laboratory Reference: 2203-222
Project: 6694-002-05 T700

Case Narrative

Samples were collected on March 17, 2022 and received by the laboratory on March 18, 2022. 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.

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: March 28, 2022
Samples Submitted: March 18, 2022
Laboratory Reference: 2203-222
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Seep 1-220317	03-222-01	Water	3-17-22	3-18-22	
Seep 2-220317	03-222-02	Water	3-17-22	3-18-22	



Date of Report: March 28, 2022
 Samples Submitted: March 18, 2022
 Laboratory Reference: 2203-222
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Seep 1-220317					
Laboratory ID:	03-222-01					
Arsenic	3.8	3.3	EPA 200.8	3-23-22	3-23-22	
Iron	11000	56	EPA 200.7	3-23-22	3-23-22	
Manganese	150	11	EPA 200.7	3-23-22	3-23-22	
Client ID:	Seep 2-220317					
Laboratory ID:	03-222-02					
Arsenic	ND	3.3	EPA 200.8	3-23-22	3-23-22	
Iron	4300	56	EPA 200.7	3-23-22	3-23-22	
Manganese	380	11	EPA 200.7	3-23-22	3-23-22	



Date of Report: March 28, 2022
 Samples Submitted: March 18, 2022
 Laboratory Reference: 2203-222
 Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Seep 1-220317					
Laboratory ID:	03-222-01					
Ammonia	ND	0.050	SM 4500-NH3 D	3-22-22	3-22-22	

Client ID:	Seep 2-220317					
Laboratory ID:	03-222-02					
Ammonia	ND	0.050	SM 4500-NH3 D	3-22-22	3-22-22	



Date of Report: March 28, 2022
 Samples Submitted: March 18, 2022
 Laboratory Reference: 2203-222
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Seep 1-220317					
Laboratory ID:	03-222-01					
Total Dissolved Solids	180	13	SM 2540C	3-21-22	3-22-22	

Client ID:	Seep 2-220317					
Laboratory ID:	03-222-02					
Total Dissolved Solids	130	13	SM 2540C	3-21-22	3-22-22	



Date of Report: March 28, 2022
 Samples Submitted: March 18, 2022
 Laboratory Reference: 2203-222
 Project: 6694-002-05 T700

**TOTAL ORGANIC CARBON
 SM 5310B**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Seep 1-220317					
Laboratory ID:	03-222-01					
Total Organic Carbon	4.3	1.0	SM 5310B	3-21-22	3-21-22	

Client ID:	Seep 2-220317					
Laboratory ID:	03-222-02					
Total Organic Carbon	9.4	1.0	SM 5310B	3-21-22	3-21-22	



Date of Report: March 28, 2022
 Samples Submitted: March 18, 2022
 Laboratory Reference: 2203-222
 Project: 6694-002-05 T700

**TOTAL METALS
 EPA 200.8/200.7
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323WH1					
Iron	ND	56	EPA 200.7	3-23-22	3-23-22	
Manganese	ND	11	EPA 200.7	3-23-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0323WM1					
Arsenic	ND	3.3	EPA 200.8	3-23-22	3-23-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-161-05							
	ORIG	DUP						
Iron	1430	1420	NA	NA	NA	NA	1	20
Manganese	278	270	NA	NA	NA	NA	3	20
DUPLICATE								
Laboratory ID:	03-161-07							
Arsenic	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	03-161-05									
	MS	MSD	MS	MSD	MS	MSD				
Iron	24800	24700	22200	22200	1430	105	105	75-125	0	20
Manganese	903	880	556	556	278	113	108	75-125	3	20
MATRIX SPIKES										
Laboratory ID:	03-161-07									
Arsenic	113	106	111	111	ND	102	96	75-125	6	20



Date of Report: March 28, 2022
 Samples Submitted: March 18, 2022
 Laboratory Reference: 2203-222
 Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH₃ D
QUALITY CONTROL

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Ammonia	ND	0.050	SM 4500-NH3 D	3-22-22	3-22-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-222-02							
	ORIG	DUP						
Ammonia	ND	ND	NA	NA	NA	NA	19	

MATRIX SPIKE								
Laboratory ID:	03-222-02							
	MS	MS		MS				
Ammonia	4.95	5.00	ND	99	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0322W1							
	SB	SB		SB				
Ammonia	4.97	5.00	NA	99	88-110	NA	NA	



Date of Report: March 28, 2022
 Samples Submitted: March 18, 2022
 Laboratory Reference: 2203-222
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0321W1					
Total Dissolved Solids	ND	13	SM 2540C	3-21-22	3-22-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-222-01							
	ORIG	DUP						
Total Dissolved Solids	179	172	NA	NA	NA	4	29	

SPIKE BLANK								
Laboratory ID:	SB0321W1							
	SB	SB		SB				
Total Dissolved Solids	489	500	NA	98	84-110	NA	NA	



Date of Report: March 28, 2022
 Samples Submitted: March 18, 2022
 Laboratory Reference: 2203-222
 Project: 6694-002-05 T700

**TOTAL ORGANIC CARBON
 SM 5310B
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0321W1					
Total Organic Carbon	ND	1.0	SM 5310B	3-21-22	3-21-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-165-01							
	ORIG	DUP						
Total Organic Carbon	481	481	NA	NA	NA	NA	0	12

MATRIX SPIKE

Laboratory ID:	03-165-01							
	MS	MS		MS				
Total Organic Carbon	586	100	481	105	80-125	NA	NA	

SPIKE BLANK

Laboratory ID:	SB0321W1							
	SB	SB		SB				
Total Organic Carbon	11.0	10.0	NA	110	80-119	NA	NA	





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





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

April 4, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2203-233

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 21, 2022.

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 flourish 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.



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 03-233

Work Order Number: 2203532

April 01, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 3/22/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Revision v1

www.fremontanalytical.com



CLIENT: OnSite Environmental Inc
Project: 03-233
Work Order: 2203532

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203532-001	MW2-20220318	03/18/2022 2:30 PM	03/22/2022 12:43 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc

Project: 03-233

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

4/7/2022: Revision 1 includes sample ID change per client request.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc
Project: 03-233
Lab ID: 2203532-001
Client Sample ID: MW2-20220318

Collection Date: 3/18/2022 2:30:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 35867 Analyst: SB

Dicamba	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
2,4-D	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
2,4-DP	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
2,4,5-TP (Silvex)	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
2,4,5-T	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
Dinoseb	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
Dalapon	ND	1.99		µg/L	1	3/28/2022 10:11:51 PM
2,4-DB	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
MCPP	ND	4.99		µg/L	1	3/28/2022 10:11:51 PM
MCPA	ND	4.99		µg/L	1	3/28/2022 10:11:51 PM
Picloram	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
Bentazon	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
Chloramben	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
Acifluorfen	ND	4.99		µg/L	1	3/28/2022 10:11:51 PM
3,5-Dichlorobenzoic acid	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
4-Nitrophenol	ND	0.997		µg/L	1	3/28/2022 10:11:51 PM
Dacthal (DCPA)	ND	1.99		µg/L	1	3/28/2022 10:11:51 PM
Surr: 2,4-Dichlorophenylacetic acid	110	65.7 - 136		%Rec	1	3/28/2022 10:11:51 PM

Work Order: 2203532
 CLIENT: OnSite Environmental Inc
 Project: 03-233

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-35867	SampType: MBLK	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: MBLKW	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525407							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	1.00									
2,4-D	ND	1.00									
2,4-DP	ND	1.00									
2,4,5-TP (Silvex)	ND	1.00									
2,4,5-T	ND	1.00									
Dinoseb	ND	1.00									
Dalapon	ND	2.00									
2,4-DB	ND	1.00									
MCPD	ND	5.00									
MCPA	ND	5.00									
Picloram	ND	1.00									
Bentazon	ND	1.00									
Chloramben	ND	1.00									
Acifluorfen	ND	5.00									
3,5-Dichlorobenzoic acid	ND	1.00									
4-Nitrophenol	ND	1.00									
Dacthal (DCPA)	ND	2.00									
Surr: 2,4-Dichlorophenylacetic acid	16.7		20.00		83.6	65.7	136				

Sample ID: LCS-35867	SampType: LCS	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: LCSW	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525408							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	3.99	1.00	4.000	0	99.8	16.6	148				
2,4-D	3.98	1.00	4.000	0	99.5	50.4	150				
2,4-DP	3.67	1.00	4.000	0	91.7	53	135				
2,4,5-TP (Silvex)	3.87	1.00	4.000	0	96.9	53.6	140				
2,4,5-T	3.76	1.00	4.000	0	94.0	50	141				
Dinoseb	2.32	1.00	4.000	0	58.0	5	119				
Dalapon	15.1	2.00	20.00	0	75.5	5.65	97.2				

Work Order: 2203532
 CLIENT: OnSite Environmental Inc
 Project: 03-233

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-35867	SampType: LCS	Units: µg/L				Prep Date: 3/24/2022	RunNo: 74377				
Client ID: LCSW	Batch ID: 35867					Analysis Date: 3/28/2022	SeqNo: 1525408				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.64	1.00	4.000	0	91.0	54.9	141				
MCPPP	19.7	5.00	20.00	0	98.3	28.7	166				
MCPA	19.7	5.00	20.00	0	98.4	20.7	176				
Picloram	2.34	1.00	4.000	0	58.4	9.72	120				
Bentazon	3.43	1.00	4.000	0	85.8	41.2	141				
Chloramben	2.14	1.00	4.000	0	53.5	5	109				
Acifluorfen	2.00	5.00	4.000	0	50.0	7.62	139				
3,5-Dichlorobenzoic acid	3.73	1.00	4.000	0	93.1	52.4	120				
4-Nitrophenol	2.65	1.00	4.000	0	66.1	5	107				
Dacthal (DCPA)	1.80	2.00	4.000	0	45.0	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	20.7		20.00		104	65.7	136				

Sample ID: 2203531-001AMS	SampType: MS	Units: µg/L				Prep Date: 3/24/2022	RunNo: 74377				
Client ID: BATCH	Batch ID: 35867					Analysis Date: 3/28/2022	SeqNo: 1525411				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	4.28	1.10	4.392	0	97.4	31	142				
2,4-D	4.47	1.10	4.392	0	102	50.3	149				
2,4-DP	3.95	1.10	4.392	0	89.9	49.9	143				
2,4,5-TP (Silvex)	4.36	1.10	4.392	0	99.4	47.7	141				
2,4,5-T	4.34	1.10	4.392	0	98.9	34.4	139				
Dinoseb	3.42	1.10	4.392	0	78.0	27.3	117				
Dalapon	15.9	2.20	21.96	0	72.6	14.2	113				
2,4-DB	4.13	1.10	4.392	0	94.1	31.3	147				
MCPPP	20.8	5.49	21.96	0	94.7	30.5	177				
MCPA	20.6	5.49	21.96	0	93.9	36.8	163				
Picloram	3.29	1.10	4.392	0	74.9	18.8	115				
Bentazon	4.07	1.10	4.392	0	92.7	11.9	176				
Chloramben	2.91	1.10	4.392	0	66.2	5	112				
Acifluorfen	3.07	5.49	4.392	0	70.0	28.1	146				

Work Order: 2203532
 CLIENT: OnSite Environmental Inc
 Project: 03-233

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: 2203531-001AMS	SampType: MS	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: BATCH	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525411							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	4.03	1.10	4.392	0	91.8	36.2	146				
4-Nitrophenol	2.05	1.10	4.392	0	46.6	5	116				
Dacthal (DCPA)	1.74	2.20	4.392	0	39.6	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	23.1		21.96		105	65.7	136				

Sample ID: 2203578-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: BATCH	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525414							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	0.992						0		50	
2,4-D	ND	0.992						0		50	
2,4-DP	ND	0.992						0		50	
2,4,5-TP (Silvex)	ND	0.992						0		50	
2,4,5-T	ND	0.992						0		50	
Dinoseb	ND	0.992						0		50	
Dalapon	ND	1.98						0		50	
2,4-DB	ND	0.992						0		50	
MCPP	ND	4.96						0		50	
MCPA	ND	4.96						0		50	
Picloram	ND	0.992						0		50	
Bentazon	ND	0.992						0		50	
Chloramben	ND	0.992						0		50	
Acifluorfen	ND	4.96						0		50	
3,5-Dichlorobenzoic acid	ND	0.992						0		50	
4-Nitrophenol	ND	0.992						0		50	
Dacthal (DCPA)	ND	1.98						0		50	
Surr: 2,4-Dichlorophenylacetic acid	21.4		19.84		108	65.7	136		0		

Client Name: ONSITE	Work Order Number: 2203532
Logged by: Elisabeth Samoray	Date Received: 3/22/2022 12:43:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	4.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



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

Laboratory Reference #: 03-233

Laboratory: Fremont Analytical

Turnaround Request

Project Manager: David Baumeister

Attention: Chelsea Ward

1 Day 2 Day 3 Day

email: dbaumeister@onsite-env.com

3600 Fremont Avenue N, Seattle, WA 98103

Standard

Project Number: 6694-002-05

Phone Number: (206) 352-3790

Other: _____

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	GW-2-20220318	3/18/22	14:30	w	1	Chlorinated Acid Herbicides 8151A
Signature _____ Company _____ Date _____ Time _____						
Relinquished by: [Signature] Company: COE Date: 3/22/22 Time: 11:00						
Received by: [Signature] Company: alpha Date: 3/22/22 Time: 12:30						
Relinquished by: [Signature] Company: FAI Date: 3/22/22 Time: 12:43						
Received by: _____						
Relinquished by: _____						
Received by: _____						
Comments/Special Instructions EDDS						

Date of Report: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-233
Project: 6694-002-05 T700

Case Narrative

Samples were collected on March 18, 2022 and received by the laboratory on March 21, 2022. 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.

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.

Nitrate (as Nitrogen) EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed outside of the holding time. Immediately after this analysis, an aliquot from each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

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: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-233
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW2-20220318	03-233-01	Water	3-18-22	3-21-22	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Gasoline	ND	100	NWTPH-Gx	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>87</i>	<i>66-117</i>				



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**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:	MW2-20220318					
Laboratory ID:	03-233-01					
Diesel Range Organics	ND	0.21	NWTPH-Dx	3-25-22	3-25-22	
Lube Oil Range Organics	ND	0.21	NWTPH-Dx	3-25-22	3-25-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloromethane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromomethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloroethane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Acetone	ND	5.0	EPA 8260D	3-22-22	3-22-22	
Iodomethane	ND	1.6	EPA 8260D	3-22-22	3-22-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-22-22	3-22-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-22-22	3-22-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Butanone	ND	5.0	EPA 8260D	3-22-22	3-22-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloroform	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Benzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Trichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Dibromomethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-22-22	3-22-22	
Toluene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	



Date of Report: April 4, 2022
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VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Hexanone	ND	2.0	EPA 8260D	3-22-22	3-22-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-22-22	3-22-22	
o-Xylene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Styrene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromoform	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Naphthalene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-125</i>				



Date of Report: April 4, 2022
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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:	MW2-20220318					
Laboratory ID:	03-233-01					
n-Nitrosodimethylamine	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Pyridine	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Phenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Aniline	ND	4.8	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethyl)ether	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2-Chlorophenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
1,3-Dichlorobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
1,4-Dichlorobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Benzyl alcohol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
1,2-Dichlorobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2-Methylphenol (o-Cresol)	ND	0.95	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroisopropyl)ether	ND	0.95	EPA 8270E	3-24-22	3-24-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.95	EPA 8270E	3-24-22	3-24-22	
n-Nitroso-di-n-propylamine	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Hexachloroethane	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Nitrobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Isophorone	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2-Nitrophenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2,4-Dimethylphenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethoxy)methane	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2,4-Dichlorophenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
1,2,4-Trichlorobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Naphthalene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
4-Chloroaniline	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Hexachlorobutadiene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
4-Chloro-3-methylphenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
1-Methylnaphthalene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
Hexachlorocyclopentadiene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2,4,6-Trichlorophenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2,3-Dichloroaniline	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2,4,5-Trichlorophenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2-Chloronaphthalene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2-Nitroaniline	ND	0.95	EPA 8270E	3-24-22	3-24-22	
1,4-Dinitrobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Dimethylphthalate	ND	4.8	EPA 8270E	3-24-22	3-24-22	
1,3-Dinitrobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2,6-Dinitrotoluene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
1,2-Dinitrobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Acenaphthylene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
3-Nitroaniline	ND	0.95	EPA 8270E	3-24-22	3-24-22	



Date of Report: April 4, 2022
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
2,4-Dinitrophenol	ND	4.8	EPA 8270E	3-24-22	3-24-22	
Acenaphthene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
4-Nitrophenol	ND	4.8	EPA 8270E	3-24-22	3-24-22	
2,4-Dinitrotoluene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Dibenzofuran	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2,3,5,6-Tetrachlorophenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
2,3,4,6-Tetrachlorophenol	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Diethylphthalate	ND	0.95	EPA 8270E	3-24-22	3-24-22	
4-Chlorophenyl-phenylether	ND	0.95	EPA 8270E	3-24-22	3-24-22	
4-Nitroaniline	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Fluorene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270E	3-24-22	3-24-22	
n-Nitrosodiphenylamine	ND	0.95	EPA 8270E	3-24-22	3-24-22	
1,2-Diphenylhydrazine	ND	0.95	EPA 8270E	3-24-22	3-24-22	
4-Bromophenyl-phenylether	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Hexachlorobenzene	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Pentachlorophenol	ND	4.8	EPA 8270E	3-24-22	3-24-22	
Phenanthrene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
Anthracene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
Carbazole	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Di-n-butylphthalate	ND	4.8	EPA 8270E	3-24-22	3-24-22	
Fluoranthene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
Pyrene	ND	0.095	EPA 8270E/SIM	3-24-22	3-24-22	
Butylbenzylphthalate	ND	0.95	EPA 8270E	3-24-22	3-24-22	
bis-2-Ethylhexyladipate	ND	4.8	EPA 8270E	3-24-22	3-24-22	
3,3'-Dichlorobenzidine	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Benzo[a]anthracene	ND	0.0095	EPA 8270E/SIM	3-24-22	3-24-22	
Chrysene	ND	0.0095	EPA 8270E/SIM	3-24-22	3-24-22	
bis(2-Ethylhexyl)phthalate	ND	4.8	EPA 8270E	3-24-22	3-24-22	
Di-n-octylphthalate	ND	0.95	EPA 8270E	3-24-22	3-24-22	
Benzo[b]fluoranthene	ND	0.0095	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo(j,k)fluoranthene	ND	0.0095	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[a]pyrene	ND	0.0095	EPA 8270E/SIM	3-24-22	3-24-22	
Indeno[1,2,3-cd]pyrene	ND	0.0095	EPA 8270E/SIM	3-24-22	3-24-22	
Dibenz[a,h]anthracene	ND	0.0095	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[g,h,i]perylene	ND	0.0095	EPA 8270E/SIM	3-24-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>2-Fluorophenol</i>	<i>41</i>	<i>10 - 82</i>				
<i>Phenol-d6</i>	<i>30</i>	<i>10 - 92</i>				
<i>Nitrobenzene-d5</i>	<i>68</i>	<i>32 - 105</i>				
<i>2-Fluorobiphenyl</i>	<i>69</i>	<i>38 - 105</i>				
<i>2,4,6-Tribromophenol</i>	<i>96</i>	<i>25 - 124</i>				
<i>Terphenyl-d14</i>	<i>84</i>	<i>42 - 116</i>				



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Aroclor 1016	ND	0.048	EPA 8082A	3-23-22	3-24-22	
Aroclor 1221	ND	0.048	EPA 8082A	3-23-22	3-24-22	
Aroclor 1232	ND	0.048	EPA 8082A	3-23-22	3-24-22	
Aroclor 1242	ND	0.048	EPA 8082A	3-23-22	3-24-22	
Aroclor 1248	ND	0.048	EPA 8082A	3-23-22	3-24-22	
Aroclor 1254	ND	0.048	EPA 8082A	3-23-22	3-24-22	
Aroclor 1260	ND	0.048	EPA 8082A	3-23-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	98	42-140				



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
alpha-BHC	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
gamma-BHC (Lindane)	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
beta-BHC	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
delta-BHC	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Heptachlor	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Aldrin	ND	0.0019	EPA 8081B	3-23-22	3-23-22	
Heptachlor Epoxide	ND	0.0029	EPA 8081B	3-23-22	3-23-22	
gamma-Chlordane	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
alpha-Chlordane	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
4,4'-DDE	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Endosulfan I	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Dieldrin	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Endrin	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
4,4'-DDD	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Endosulfan II	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
4,4'-DDT	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Endrin Aldehyde	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Methoxychlor	ND	0.0096	EPA 8081B	3-23-22	3-23-22	
Endosulfan Sulfate	ND	0.0048	EPA 8081B	3-23-22	3-23-22	
Endrin Ketone	ND	0.019	EPA 8081B	3-23-22	3-23-22	
Toxaphene	ND	0.048	EPA 8081B	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	65	25-114				
DCB	94	30-137				



Date of Report: April 4, 2022
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 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Arsenic	5.3	3.3	EPA 200.8	3-23-22	3-23-22	
Cadmium	ND	4.4	EPA 200.8	3-23-22	3-23-22	
Chromium	ND	11	EPA 200.8	3-23-22	3-23-22	
Copper	ND	11	EPA 200.8	3-23-22	3-23-22	
Iron	1600	50	EPA 200.7	3-23-22	3-23-22	
Lead	ND	1.1	EPA 200.8	3-23-22	3-23-22	
Magnesium	17000	1000	EPA 200.7	3-23-22	3-23-22	
Manganese	310	10	EPA 200.7	3-23-22	3-23-22	
Mercury	ND	0.025	EPA 7470A	3-23-22	3-23-22	
Nickel	ND	22	EPA 200.8	3-23-22	3-23-22	
Selenium	ND	5.6	EPA 200.8	3-23-22	3-23-22	
Zinc	ND	28	EPA 200.8	3-23-22	3-23-22	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

DISSOLVED METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Arsenic	4.6	3.0	EPA 200.8		3-23-22	
Cadmium	ND	4.0	EPA 200.8		3-23-22	
Calcium	23000	1100	EPA 200.7		3-24-22	
Chromium	ND	10	EPA 200.8		3-23-22	
Copper	ND	10	EPA 200.8		3-23-22	
Iron	ND	56	EPA 200.7		3-24-22	
Lead	ND	1.0	EPA 200.8		3-23-22	
Magnesium	15000	1100	EPA 200.7		3-24-22	
Manganese	250	11	EPA 200.7		3-24-22	
Mercury	ND	0.025	EPA 7470A		3-23-22	
Nickel	ND	20	EPA 200.8		3-23-22	
Potassium	2700	1100	EPA 200.7		3-24-22	
Selenium	ND	5.0	EPA 200.8		3-23-22	
Sodium	6600	1100	EPA 200.7		3-24-22	
Zinc	ND	25	EPA 200.8		3-23-22	



Date of Report: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-233
Project: 6694-002-05 T700

TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Total Alkalinity	120	2.0	SM 2320B	3-24-22	3-24-22	



Date of Report: December 15, 2022
Samples Submitted: December 7, 2022
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

**BICARBONATE
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Bicarbonate Concentration	120	2.0	SM 2320B	3-24-22	3-24-22	



Date of Report: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-233
Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Total Dissolved Solids	160	13	SM 2540C	3-24-22	3-25-22	



Date of Report: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-233
Project: 6694-002-05 T700

CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Chloride	5.1	2.0	SM 4500-Cl E	3-24-22	3-24-22	



Date of Report: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-233
Project: 6694-002-05 T700

NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Nitrate	0.079	0.050	EPA 353.2	3-22-22	3-22-22	



Date of Report: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-233
Project: 6694-002-05 T700

SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Sulfate	10	5.0	ASTM D516-11	3-25-22	3-25-22	



Date of Report: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-233
Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW2-20220318					
Laboratory ID:	03-233-01					
Ammonia	0.11	0.050	SM 4500-NH3 D	3-22-22	3-22-22	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**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:	MB0323W1					
Gasoline	ND	100	NWTPH-Gx	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-206-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				86	86	66-117		



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**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:	MB0325W1					
Diesel Range Organics	ND	0.10	NWTPH-Dx	3-25-22	3-25-22	
Lube Oil Range Organics	ND	0.10	NWTPH-Dx	3-25-22	3-25-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-245-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>			83	80	50-150			



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloromethane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromomethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloroethane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Acetone	ND	5.0	EPA 8260D	3-22-22	3-22-22	
Iodomethane	ND	1.6	EPA 8260D	3-22-22	3-22-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-22-22	3-22-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-22-22	3-22-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Butanone	ND	5.0	EPA 8260D	3-22-22	3-22-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloroform	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Benzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Trichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Dibromomethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-22-22	3-22-22	
Toluene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Hexanone	ND	2.0	EPA 8260D	3-22-22	3-22-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-22-22	3-22-22	
o-Xylene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Styrene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromoform	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Naphthalene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-125</i>				



Date of Report: April 4, 2022
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 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0322W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.8	11.4	10.0	10.0	118	114	78-125	3	19	
Benzene	11.2	10.9	10.0	10.0	112	109	80-119	3	16	
Trichloroethene	11.1	11.2	10.0	10.0	111	112	80-121	1	18	
Toluene	10.6	10.6	10.0	10.0	106	106	80-117	0	18	
Chlorobenzene	11.2	10.8	10.0	10.0	112	108	80-117	4	17	
<i>Surrogate:</i>										
Dibromofluoromethane					93	94	75-127			
Toluene-d8					99	99	80-127			
4-Bromofluorobenzene					95	95	78-125			



Date of Report: April 4, 2022
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 Project: 6694-002-05 T700

**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:	MB0324W2					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Pyridine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Phenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Aniline	ND	5.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-24-22	3-24-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Isophorone	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Dimethylphthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	



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

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W2					
2,4-Dinitrophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4-Nitrophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Pentachlorophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Carbazole	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	50	10 - 82				
Phenol-d6	38	10 - 92				
Nitrobenzene-d5	80	32 - 105				
2-Fluorobiphenyl	74	38 - 105				
2,4,6-Tribromophenol	94	25 - 124				
Terphenyl-d14	82	42 - 116				



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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-268-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	99.1	95.4	160	160	20.8	49	47	20 - 108	4	24	
2-Chlorophenol	96.9	93.4	160	160	ND	61	58	24 - 105	4	32	
1,4-Dichlorobenzene	41.7	42.3	80.0	80.0	ND	52	53	24 - 100	1	36	
n-Nitroso-di-n-propylamine	56.0	56.9	80.0	80.0	ND	70	71	21 - 143	2	30	
1,2,4-Trichlorobenzene	46.0	44.9	80.0	80.0	ND	58	56	34 - 105	2	34	
4-Chloro-3-methylphenol	107	102	160	160	ND	67	64	44 - 113	5	21	
Acenaphthene	59.5	58.6	80.0	80.0	ND	74	73	47 - 106	2	19	
4-Nitrophenol	120	111	160	160	ND	75	69	20 - 127	8	37	
2,4-Dinitrotoluene	54.4	51.5	80.0	80.0	ND	68	64	45 - 106	5	19	
Pentachlorophenol	127	121	160	160	ND	79	76	20 - 136	5	39	
Pyrene	60.9	57.6	80.0	80.0	ND	76	72	47 - 112	6	23	
<i>Surrogate:</i>											
2-Fluorophenol						52	50	10 - 82			
Phenol-d6						57	54	10 - 92			
Nitrobenzene-d5						67	61	32 - 105			
2-Fluorobiphenyl						68	65	38 - 105			
2,4,6-Tribromophenol						78	72	25 - 124			
Terphenyl-d14						66	61	42 - 116			



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 Project: 6694-002-05 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323W1					
Aroclor 1016	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1221	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1232	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1242	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1248	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1254	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1260	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	86		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0323W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.495	0.442	0.500	0.500	N/A	99	88	73-131	11	12	
Surrogate:											
DCB						95	104	42-140			



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323W1					
alpha-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
beta-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
delta-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Heptachlor	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Aldrin	ND	0.0020	EPA 8081B	3-23-22	3-23-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-23-22	3-23-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDE	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endosulfan I	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Dieldrin	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDD	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endosulfan II	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDT	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Methoxychlor	ND	0.010	EPA 8081B	3-23-22	3-23-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-23-22	3-23-22	
Toxaphene	ND	0.050	EPA 8081B	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	63	25-114				
DCB	85	30-137				



Date of Report: April 4, 2022
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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0323W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0878	0.0928	0.100	0.100	N/A	88	93	42-113	6	19	
gamma-BHC (Lindane)	0.0871	0.0918	0.100	0.100	N/A	87	92	45-114	5	15	
beta-BHC	0.0871	0.0845	0.100	0.100	N/A	87	84	40-118	3	15	
delta-BHC	0.0912	0.0934	0.100	0.100	N/A	91	93	20-125	2	15	
Heptachlor	0.0814	0.0833	0.100	0.100	N/A	81	83	41-120	2	16	
Aldrin	0.0878	0.0886	0.100	0.100	N/A	88	89	35-115	1	15	
Heptachlor Epoxide	0.0839	0.0850	0.100	0.100	N/A	84	85	50-118	1	15	
gamma-Chlordane	0.0860	0.0864	0.100	0.100	N/A	86	86	46-110	0	15	
alpha-Chlordane	0.0854	0.0849	0.100	0.100	N/A	85	85	38-112	1	15	
4,4'-DDE	0.0944	0.0888	0.100	0.100	N/A	94	89	41-127	6	15	
Endosulfan I	0.0932	0.0942	0.100	0.100	N/A	93	94	45-119	1	15	
Dieldrin	0.0930	0.0911	0.100	0.100	N/A	93	91	46-115	2	15	
Endrin	0.105	0.104	0.100	0.100	N/A	105	104	52-124	1	15	
4,4'-DDD	0.0948	0.0926	0.100	0.100	N/A	95	93	52-121	2	15	
Endosulfan II	0.0879	0.0883	0.100	0.100	N/A	88	88	44-114	0	15	
4,4'-DDT	0.100	0.0951	0.100	0.100	N/A	100	95	48-123	5	15	
Endrin Aldehyde	0.0884	0.0827	0.100	0.100	N/A	88	83	45-114	7	15	
Methoxychlor	0.0823	0.0756	0.100	0.100	N/A	82	76	49-130	8	15	
Endosulfan Sulfate	0.0878	0.0870	0.100	0.100	N/A	88	87	39-117	1	15	
Endrin Ketone	0.0830	0.0778	0.100	0.100	N/A	83	78	53-119	6	15	
Surrogate:											
TCMX						72	75	25-114			
DCB						99	98	30-137			



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TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323WH1					
Iron	ND	50	EPA 200.7	3-23-22	3-23-22	
Magnesium	ND	1000	EPA 200.7	3-23-22	3-23-22	
Manganese	ND	10	EPA 200.7	3-23-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0323WM1					
Arsenic	ND	3.3	EPA 200.8	3-23-22	3-23-22	
Cadmium	ND	4.4	EPA 200.8	3-23-22	3-23-22	
Chromium	ND	11	EPA 200.8	3-23-22	3-23-22	
Copper	ND	11	EPA 200.8	3-23-22	3-23-22	
Lead	ND	1.1	EPA 200.8	3-23-22	3-23-22	
Nickel	ND	22	EPA 200.8	3-23-22	3-23-22	
Selenium	ND	5.6	EPA 200.8	3-23-22	3-23-22	
Zinc	ND	28	EPA 200.8	3-23-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0323W1					
Mercury	ND	0.025	EPA 7470A	3-23-22	3-23-22	



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TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-161-05									
	ORIG	DUP								
Iron	1430	1420	NA	NA		NA	NA	1	20	
Magnesium	8530	8330	NA	NA		NA	NA	2	20	
Manganese	278	270	NA	NA		NA	NA	3	20	

Laboratory ID:	03-161-07									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	

Laboratory ID:	03-173-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	03-161-05									
	MS	MSD	MS	MSD		MS	MSD			
Iron	24800	24700	22200	22200	1430	105	105	75-125	0	20
Magnesium	32600	31700	22200	22200	8530	108	104	75-125	3	20
Manganese	903	880	556	556	278	113	108	75-125	3	20

Laboratory ID:	03-161-07									
Arsenic	113	106	111	111	ND	102	96	75-125	6	20
Cadmium	104	102	111	111	ND	94	92	75-125	3	20
Chromium	104	99.1	111	111	ND	94	89	75-125	5	20
Copper	101	96.4	111	111	ND	91	87	75-125	5	20
Lead	110	105	111	111	ND	99	94	75-125	5	20
Nickel	101	95.6	111	111	ND	91	86	75-125	5	20
Selenium	115	110	111	111	ND	103	99	75-125	4	20
Zinc	119	114	111	111	13.3	96	91	75-125	4	20

Laboratory ID:	03-173-01									
Mercury	6.18	6.20	6.25	6.25	ND	99	99	75-125	0	20



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 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324D1					
Calcium	ND	1100	EPA 200.7		3-24-22	
Iron	ND	56	EPA 200.7		3-24-22	
Magnesium	ND	1100	EPA 200.7		3-24-22	
Manganese	ND	11	EPA 200.7		3-24-22	
Potassium	ND	1100	EPA 200.7		3-24-22	
Sodium	ND	1100	EPA 200.7		3-24-22	
METHOD BLANK						
Laboratory ID:	MB0318F1					
Arsenic	ND	3.0	EPA 200.8	3-18-22	3-23-22	
Cadmium	ND	4.0	EPA 200.8	3-18-22	3-23-22	
Chromium	ND	10	EPA 200.8	3-18-22	3-23-22	
Copper	ND	10	EPA 200.8	3-18-22	3-23-22	
Lead	ND	1.0	EPA 200.8	3-18-22	3-23-22	
Nickel	ND	20	EPA 200.8	3-18-22	3-23-22	
Selenium	ND	5.0	EPA 200.8	3-18-22	3-23-22	
Zinc	ND	25	EPA 200.8	3-18-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0323D1					
Mercury	ND	0.025	EPA 7470A		3-23-22	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-173-01							
	ORIG	DUP						
Calcium	18200	18400	NA	NA	NA	NA	1	20
Iron	ND	ND	NA	NA	NA	NA	NA	20
Magnesium	11500	11500	NA	NA	NA	NA	0	20
Manganese	61.6	62.9	NA	NA	NA	NA	2	20
Potassium	2230	2260	NA	NA	NA	NA	1	20
Sodium	5970	6020	NA	NA	NA	NA	1	20

Laboratory ID:	03-173-01							
Arsenic	8.84	9.40	NA	NA	NA	NA	6	20
Cadmium	ND	ND	NA	NA	NA	NA	NA	20
Chromium	ND	ND	NA	NA	NA	NA	NA	20
Copper	ND	ND	NA	NA	NA	NA	NA	20
Lead	ND	ND	NA	NA	NA	NA	NA	20
Nickel	ND	ND	NA	NA	NA	NA	NA	20
Selenium	ND	ND	NA	NA	NA	NA	NA	20
Zinc	ND	ND	NA	NA	NA	NA	NA	20

Laboratory ID:	03-173-01							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	03-173-01									
	MS	MSD	MS	MSD	MS	MSD				
Calcium	40800	39000	22200	22200	18200	102	94	75-125	5	20
Iron	24300	22800	22200	22200	ND	110	103	75-125	7	20
Magnesium	34400	32500	22200	22200	11500	103	95	75-125	6	20
Manganese	689	606	556	556	61.6	113	98	75-125	13	20
Potassium	26000	24300	22200	22200	2230	107	100	75-125	7	20
Sodium	30200	28600	22200	22200	5970	109	102	75-125	5	20

Laboratory ID:	03-173-01									
Arsenic	91.6	92.2	80.0	80.0	8.84	103	104	75-125	1	20
Cadmium	79.4	79.0	80.0	80.0	ND	99	99	75-125	1	20
Chromium	79.4	78.2	80.0	80.0	ND	99	98	75-125	2	20
Copper	76.6	75.4	80.0	80.0	ND	96	94	75-125	2	20
Lead	82.4	81.8	80.0	80.0	ND	103	102	75-125	1	20
Nickel	76.8	75.8	80.0	80.0	ND	96	95	75-125	1	20
Selenium	85.8	84.0	80.0	80.0	ND	107	105	75-125	2	20
Zinc	82.0	82.6	80.0	80.0	ND	103	103	75-125	1	20

Laboratory ID:	03-173-01									
Mercury	6.20	6.33	6.25	6.25	ND	99	101	75-125	2	20



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: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Total Alkalinity	ND	2.0	SM 2320B	3-24-22	3-24-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-241-03							
	ORIG	DUP						
Total Alkalinity	92.0	94.0	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Total Alkalinity	106	100	NA	106	89-110	NA	NA	



Date of Report: December 15, 2022
 Samples Submitted: December 7, 2022
 Laboratory Reference: 2112-075
 Project: 6694-002-05 T700

**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Bicarbonate Concentration	ND	2.0	SM 2320B	3-24-22	3-24-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-241-03							
	ORIG	DUP						
Bicarbonate	92.0	94.0	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Bicarbonate	106	100	NA	106	89-110	NA	NA	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Total Dissolved Solids	ND	13	SM 2540C	3-24-22	3-25-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-234-01							
	ORIG	DUP						
Total Dissolved Solids	528	528	NA	NA	NA	0	29	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Total Dissolved Solids	484	500	NA	97	84-110	NA	NA	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**CHLORIDE
 SM 4500-CI E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Chloride	ND	2.0	SM 4500-CI E	3-24-22	3-24-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-233-01							
	ORIG	DUP						
Chloride	5.13	5.05	NA	NA	NA	2	15	

MATRIX SPIKE								
Laboratory ID:	03-233-01							
	MS	MS		MS				
Chloride	56.2	50.0	5.13	102	86-115	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Chloride	51.3	50.0	NA	103	86-115	NA	NA	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Nitrate	ND	0.050	EPA 353.2	3-22-22	3-22-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-173-01							
	ORIG	DUP						
Nitrate	0.117	0.128	NA	NA	NA	9	16	

MATRIX SPIKE								
Laboratory ID:	03-173-01							
	MS	MS		MS				
Nitrate	2.46	2.00	0.117	117	92-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0322W1							
	SB	SB		SB				
Nitrate	2.31	2.00	NA	116	90-121	NA	NA	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W1					
Sulfate	ND	5.0	ASTM D516-11	3-25-22	3-25-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-233-01							
	ORIG	DUP						
Sulfate	10.0	9.89	NA	NA	NA	1	10	

MATRIX SPIKE								
Laboratory ID:	03-233-01							
	MS	MS		MS				
Sulfate	31.2	20.0	10.0	106	69-139	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0325W1							
	SB	SB		SB				
Sulfate	10.2	10.0	NA	102	89-117	NA	NA	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-233
 Project: 6694-002-05 T700

**AMMONIA (as Nitrogen)
 SM 4500-NH₃ D
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Ammonia	ND	0.050	SM 4500-NH3 D	3-22-22	3-22-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-222-02							
	ORIG	DUP						
Ammonia	ND	ND	NA	NA	NA	NA	19	

MATRIX SPIKE								
Laboratory ID:	03-222-02							
	MS	MS		MS				
Ammonia	4.95	5.00	ND	99	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0322W1							
	SB	SB		SB				
Ammonia	4.97	5.00	NA	99	88-110	NA	NA	





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)
 (Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **03-233**

03-233

Company: *Geo Engineers*
 Project Number: *60940200*
 Project Name: *Gr. Exc.*
 Project Manager: *Grant Lopez*
 Sampled by: *[Signature]*

Lab ID: *MW2* Sample Identification: *03 Grant - 20120318*

Date Sampled: *3/18/12* Time Sampled: *1430* Matrix: *GW*

Number of Containers	Matrix	Analysis	Result
18	GW	NWTPH-HCID	
		NWTPH-Gx/BTEX	
		NWTPH-Gx	✓
		NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	✓
		Volatiles 8260D	✓
		Halogenated Volatiles 8260D	
		EDB EPA 8011 (Waters Only)	
		Semivolatiles 8270E/SIM (with low-level PAHs)	✓
		PAHs 8270E/SIM (low-level)	
		PCBs 8082A	✓
		Organochlorine Pesticides 8081B	✓
		Organophosphorus Pesticides 8270E/SIM	
		Chlorinated Acid Herbicides 8151A	✓
		Total RCRA Metals	
		Total MFOA Metals + Dissolved Metals*	✓
		FCRP Metals + Dissolved (Ca, K, Na)	✓
		HEM (oil and grease) 1664A	
		Tot & dis Mercury EPA 215.1 / 1110A	✓
		Alkalinity, bicarb, Chloride, Nitrate, Sulfate, TDS	✓
		Ammonia SIM 4500-NH3	✓
		% Moisture	

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	<i>Geo</i>	<i>3/17/12</i>	<i>1230</i>	<p>See Grant's email for analysis list</p> <p>*As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Zn, Mg</p>
<i>[Signature]</i>	<i>HPH</i>	<i>3/21/12</i>	<i>1230</i>	
<i>[Signature]</i>	<i>HPH</i>	<i>3/21/12</i>	<i>1230</i>	
<i>[Signature]</i>	<i>HPH</i>	<i>3/21/12</i>	<i>1510</i>	
<i>[Signature]</i>	<i>ORF</i>	<i>3/21/12</i>	<i>1510</i>	
Received				
Relinquished				
Relinquished				
Received				
Relinquished				
Reviewed/Date				

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



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

April 4, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2203-234

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 21, 2022.

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 stroke 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: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-234
Project: 6694-002-05 T700

Case Narrative

Samples were collected on March 21, 2022 and received by the laboratory on March 21, 2022. 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.

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: April 4, 2022
Samples Submitted: March 21, 2022
Laboratory Reference: 2203-234
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SWS-1-20220321	03-234-01	Water	3-21-22	3-21-22	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
Gasoline	ND	100	NWTPH-Gx	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>87</i>	<i>66-117</i>				



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

**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:	SWS-1-20220321					
Laboratory ID:	03-234-01					
Diesel Range Organics	ND	0.22	NWTPH-Dx	3-28-22	3-28-22	X1
Lube Oil Range Organics	ND	0.22	NWTPH-Dx	3-28-22	3-28-22	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloromethane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromomethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloroethane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Acetone	ND	5.0	EPA 8260D	3-22-22	3-22-22	
Iodomethane	ND	1.6	EPA 8260D	3-22-22	3-22-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-22-22	3-22-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-22-22	3-22-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Butanone	ND	5.0	EPA 8260D	3-22-22	3-22-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloroform	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Benzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Trichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Dibromomethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-22-22	3-22-22	
Toluene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Hexanone	ND	2.0	EPA 8260D	3-22-22	3-22-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-22-22	3-22-22	
o-Xylene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Styrene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromoform	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Naphthalene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-125</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Pyridine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Phenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Aniline	ND	5.2	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-24-22	3-24-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Isophorone	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Dimethylphthalate	ND	5.2	EPA 8270E	3-24-22	3-24-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
2,4-Dinitrophenol	ND	5.2	EPA 8270E	3-24-22	3-24-22	
Acenaphthene	0.77	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4-Nitrophenol	ND	5.2	EPA 8270E	3-24-22	3-24-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Fluorene	0.21	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4,6-Dinitro-2-methylphenol	ND	5.2	EPA 8270E	3-24-22	3-24-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Pentachlorophenol	ND	5.2	EPA 8270E	3-24-22	3-24-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Carbazole	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Di-n-butylphthalate	ND	5.2	EPA 8270E	3-24-22	3-24-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Ethylhexyl)adipate	ND	5.2	EPA 8270E	3-24-22	3-24-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
bis(2-Ethylhexyl)phthalate	ND	5.2	EPA 8270E	3-24-22	3-24-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	45	10 - 82				
Phenol-d6	33	10 - 92				
Nitrobenzene-d5	73	32 - 105				
2-Fluorobiphenyl	75	38 - 105				
2,4,6-Tribromophenol	89	25 - 124				
Terphenyl-d14	78	42 - 116				



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PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
Aroclor 1016	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1221	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1232	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1242	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1248	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1254	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1260	ND	0.052	EPA 8082A	3-23-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	87	42-140				



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**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
alpha-BHC	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
gamma-BHC (Lindane)	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
beta-BHC	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
delta-BHC	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Heptachlor	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Aldrin	ND	0.0021	EPA 8081B	3-23-22	3-23-22	
Heptachlor Epoxide	ND	0.0031	EPA 8081B	3-23-22	3-23-22	
gamma-Chlordane	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
alpha-Chlordane	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
4,4'-DDE	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endosulfan I	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Dieldrin	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endrin	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
4,4'-DDD	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endosulfan II	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
4,4'-DDT	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endrin Aldehyde	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Methoxychlor	ND	0.010	EPA 8081B	3-23-22	3-23-22	
Endosulfan Sulfate	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endrin Ketone	ND	0.021	EPA 8081B	3-23-22	3-23-22	
Toxaphene	ND	0.052	EPA 8081B	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	58	25-114				
DCB	87	30-137				



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TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
Arsenic	ND	3.3	EPA 200.8	3-23-22	3-23-22	
Cadmium	ND	4.4	EPA 200.8	3-23-22	3-23-22	
Chromium	12	11	EPA 200.8	3-23-22	3-23-22	
Copper	ND	11	EPA 200.8	3-23-22	3-23-22	
Iron	12000	50	EPA 200.7	3-23-22	3-23-22	
Lead	6.2	1.1	EPA 200.8	3-23-22	3-23-22	
Manganese	2000	10	EPA 200.7	3-23-22	3-23-22	
Mercury	ND	0.025	EPA 7470A	3-24-22	3-25-22	
Nickel	ND	22	EPA 200.8	3-23-22	3-23-22	
Selenium	ND	5.6	EPA 200.8	3-23-22	3-23-22	
Zinc	ND	28	EPA 200.8	3-23-22	3-23-22	



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**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
Total Dissolved Solids	530	13	SM 2540C	3-24-22	3-25-22	



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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
Ammonia	2.3	0.050	SM 4500-NH3 D	3-22-22	3-22-22	



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**TOTAL ORGANIC CARBON
SM 5310B**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	SWS-1-20220321					
Laboratory ID:	03-234-01					
Total Organic Carbon	13	1.0	SM 5310B	3-25-22	3-25-22	



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**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:	MB0323W1					
Gasoline	ND	100	NWTPH-Gx	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-206-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				86	86	66-117		



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**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:	MB0328W1					
Diesel Range Organics	ND	0.16	NWTPH-Dx	3-28-22	3-28-22	X1
Lube Oil Range Organics	ND	0.16	NWTPH-Dx	3-28-22	3-28-22	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	110	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0328W1							
	ORIG	DUP		X1				
Diesel Fuel #2	0.545	0.516	NA	NA	X1	NA	5	NA X1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				119	115	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloromethane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromomethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloroethane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Acetone	ND	5.0	EPA 8260D	3-22-22	3-22-22	
Iodomethane	ND	1.6	EPA 8260D	3-22-22	3-22-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-22-22	3-22-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-22-22	3-22-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Butanone	ND	5.0	EPA 8260D	3-22-22	3-22-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chloroform	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Benzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Trichloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Dibromomethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-22-22	3-22-22	
Toluene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-22-22	3-22-22	



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 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Hexanone	ND	2.0	EPA 8260D	3-22-22	3-22-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-22-22	3-22-22	
o-Xylene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Styrene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromoform	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Bromobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-22-22	3-22-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-22-22	3-22-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
Naphthalene	ND	1.0	EPA 8260D	3-22-22	3-22-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-22-22	3-22-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-125</i>				



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0322W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.8	11.4	10.0	10.0	118	114	78-125	3	19	
Benzene	11.2	10.9	10.0	10.0	112	109	80-119	3	16	
Trichloroethene	11.1	11.2	10.0	10.0	111	112	80-121	1	18	
Toluene	10.6	10.6	10.0	10.0	106	106	80-117	0	18	
Chlorobenzene	11.2	10.8	10.0	10.0	112	108	80-117	4	17	
<i>Surrogate:</i>										
Dibromofluoromethane					93	94	75-127			
Toluene-d8					99	99	80-127			
4-Bromofluorobenzene					95	95	78-125			



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

**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:	MB0324W2					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Pyridine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Phenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Aniline	ND	5.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-24-22	3-24-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Isophorone	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Dimethylphthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	



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

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W2					
2,4-Dinitrophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4-Nitrophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Pentachlorophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Carbazole	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	50	10 - 82				
Phenol-d6	38	10 - 92				
Nitrobenzene-d5	80	32 - 105				
2-Fluorobiphenyl	74	38 - 105				
2,4,6-Tribromophenol	94	25 - 124				
Terphenyl-d14	82	42 - 116				



Date of Report: April 4, 2022
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 Project: 6694-002-05 T700

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-268-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	99.1	95.4	160	160	20.8	49	47	20 - 108	4	24	
2-Chlorophenol	96.9	93.4	160	160	ND	61	58	24 - 105	4	32	
1,4-Dichlorobenzene	41.7	42.3	80.0	80.0	ND	52	53	24 - 100	1	36	
n-Nitroso-di-n-propylamine	56.0	56.9	80.0	80.0	ND	70	71	21 - 143	2	30	
1,2,4-Trichlorobenzene	46.0	44.9	80.0	80.0	ND	58	56	34 - 105	2	34	
4-Chloro-3-methylphenol	107	102	160	160	ND	67	64	44 - 113	5	21	
Acenaphthene	59.5	58.6	80.0	80.0	ND	74	73	47 - 106	2	19	
4-Nitrophenol	120	111	160	160	ND	75	69	20 - 127	8	37	
2,4-Dinitrotoluene	54.4	51.5	80.0	80.0	ND	68	64	45 - 106	5	19	
Pentachlorophenol	127	121	160	160	ND	79	76	20 - 136	5	39	
Pyrene	60.9	57.6	80.0	80.0	ND	76	72	47 - 112	6	23	
<i>Surrogate:</i>											
2-Fluorophenol						52	50	10 - 82			
Phenol-d6						57	54	10 - 92			
Nitrobenzene-d5						67	61	32 - 105			
2-Fluorobiphenyl						68	65	38 - 105			
2,4,6-Tribromophenol						78	72	25 - 124			
Terphenyl-d14						66	61	42 - 116			



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323W1					
Aroclor 1016	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1221	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1232	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1242	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1248	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1254	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1260	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	86		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0323W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.495	0.442	0.500	0.500	N/A	99	88	73-131	11	12	
Surrogate:											
DCB						95	104	42-140			



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323W1					
alpha-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
beta-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
delta-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Heptachlor	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Aldrin	ND	0.0020	EPA 8081B	3-23-22	3-23-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-23-22	3-23-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDE	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endosulfan I	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Dieldrin	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDD	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endosulfan II	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDT	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Methoxychlor	ND	0.010	EPA 8081B	3-23-22	3-23-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-23-22	3-23-22	
Toxaphene	ND	0.050	EPA 8081B	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	63	25-114				
DCB	85	30-137				



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 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0323W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0878	0.0928	0.100	0.100	N/A	88	93	42-113	6	19	
gamma-BHC (Lindane)	0.0871	0.0918	0.100	0.100	N/A	87	92	45-114	5	15	
beta-BHC	0.0871	0.0845	0.100	0.100	N/A	87	84	40-118	3	15	
delta-BHC	0.0912	0.0934	0.100	0.100	N/A	91	93	20-125	2	15	
Heptachlor	0.0814	0.0833	0.100	0.100	N/A	81	83	41-120	2	16	
Aldrin	0.0878	0.0886	0.100	0.100	N/A	88	89	35-115	1	15	
Heptachlor Epoxide	0.0839	0.0850	0.100	0.100	N/A	84	85	50-118	1	15	
gamma-Chlordane	0.0860	0.0864	0.100	0.100	N/A	86	86	46-110	0	15	
alpha-Chlordane	0.0854	0.0849	0.100	0.100	N/A	85	85	38-112	1	15	
4,4'-DDE	0.0944	0.0888	0.100	0.100	N/A	94	89	41-127	6	15	
Endosulfan I	0.0932	0.0942	0.100	0.100	N/A	93	94	45-119	1	15	
Dieldrin	0.0930	0.0911	0.100	0.100	N/A	93	91	46-115	2	15	
Endrin	0.105	0.104	0.100	0.100	N/A	105	104	52-124	1	15	
4,4'-DDD	0.0948	0.0926	0.100	0.100	N/A	95	93	52-121	2	15	
Endosulfan II	0.0879	0.0883	0.100	0.100	N/A	88	88	44-114	0	15	
4,4'-DDT	0.100	0.0951	0.100	0.100	N/A	100	95	48-123	5	15	
Endrin Aldehyde	0.0884	0.0827	0.100	0.100	N/A	88	83	45-114	7	15	
Methoxychlor	0.0823	0.0756	0.100	0.100	N/A	82	76	49-130	8	15	
Endosulfan Sulfate	0.0878	0.0870	0.100	0.100	N/A	88	87	39-117	1	15	
Endrin Ketone	0.0830	0.0778	0.100	0.100	N/A	83	78	53-119	6	15	
Surrogate:											
TCMX						72	75	25-114			
DCB						99	98	30-137			



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 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323WH1					
Iron	ND	50	EPA 200.7	3-23-22	3-23-22	
Manganese	ND	10	EPA 200.7	3-23-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0323WM1					
Arsenic	ND	3.3	EPA 200.8	3-23-22	3-23-22	
Cadmium	ND	4.4	EPA 200.8	3-23-22	3-23-22	
Chromium	ND	11	EPA 200.8	3-23-22	3-23-22	
Copper	ND	11	EPA 200.8	3-23-22	3-23-22	
Lead	ND	1.1	EPA 200.8	3-23-22	3-23-22	
Nickel	ND	22	EPA 200.8	3-23-22	3-23-22	
Selenium	ND	5.6	EPA 200.8	3-23-22	3-23-22	
Zinc	ND	28	EPA 200.8	3-23-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0324W1					
Mercury	ND	0.025	EPA 7470A	3-24-22	3-24-22	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-161-05									
	ORIG	DUP								
Iron	1430	1420	NA	NA		NA	NA	1	20	
Manganese	278	270	NA	NA		NA	NA	3	20	
Laboratory ID:	03-161-07									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID:	03-257-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	03-161-05									
	MS	MSD	MS	MSD		MS	MSD			
Iron	24800	24700	22200	22200	1430	105	105	75-125	0	20
Manganese	903	880	556	556	278	113	108	75-125	3	20
Laboratory ID:	03-161-07									
Arsenic	113	106	111	111	ND	102	96	75-125	6	20
Cadmium	104	102	111	111	ND	94	92	75-125	3	20
Chromium	104	99.1	111	111	ND	94	89	75-125	5	20
Copper	101	96.4	111	111	ND	91	87	75-125	5	20
Lead	110	105	111	111	ND	99	94	75-125	5	20
Nickel	101	95.6	111	111	ND	91	86	75-125	5	20
Selenium	115	110	111	111	ND	103	99	75-125	4	20
Zinc	119	114	111	111	13.3	95	91	75-125	4	20
Laboratory ID:	03-257-01									
Mercury	6.13	6.13	6.25	6.25	ND	98	98	75-125	0	20



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Total Dissolved Solids	ND	13	SM 2540C	3-24-22	3-25-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-234-01							
	ORIG	DUP						
Total Dissolved Solids	528	528	NA	NA	NA	0	29	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Total Dissolved Solids	484	500	NA	97	84-110	NA	NA	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH₃ D
QUALITY CONTROL

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Ammonia	ND	0.050	SM 4500-NH3 D	3-22-22	3-22-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-222-02							
	ORIG	DUP						
Ammonia	ND	ND	NA	NA	NA	NA	19	

MATRIX SPIKE								
Laboratory ID:	03-222-02							
	MS	MS		MS				
Ammonia	4.95	5.00	ND	99	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0322W1							
	SB	SB		SB				
Ammonia	4.97	5.00	NA	99	88-110	NA	NA	



Date of Report: April 4, 2022
 Samples Submitted: March 21, 2022
 Laboratory Reference: 2203-234
 Project: 6694-002-05 T700

**TOTAL ORGANIC CARBON
 SM 5310B
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W1					
Total Organic Carbon	ND	1.0	SM 5310B	3-25-22	3-25-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-267-01							
	ORIG	DUP						
Total Organic Carbon	8.32	9.26	NA	NA	NA	11	12	

MATRIX SPIKE								
Laboratory ID:	03-267-01							
	MS	MS		MS				
Total Organic Carbon	19.9	10.0	8.32	116	80-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0325W1							
	SB	SB		SB				
Total Organic Carbon	11.6	10.0	NA	116	80-119	NA	NA	





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 03-234

Work Order Number: 2203531

April 01, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 3/22/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

www.fremontanalytical.com



CLIENT: OnSite Environmental Inc
Project: 03-234
Work Order: 2203531

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203531-001	SWS-1-20220321	03/21/2022 11:30 AM	03/22/2022 12:43 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc

Project: 03-234

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc

Collection Date: 3/21/2022 11:30:00 AM

Project: 03-234

Lab ID: 2203531-001

Matrix: Water

Client Sample ID: SWS-1-20220321

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 35867

Analyst: SB

Dicamba	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
2,4-D	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
2,4-DP	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
2,4,5-TP (Silvex)	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
2,4,5-T	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
Dinoseb	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
Dalapon	ND	2.00		µg/L	1	3/28/2022 9:31:03 PM
2,4-DB	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
MCPP	ND	4.99		µg/L	1	3/28/2022 9:31:03 PM
MCPA	ND	4.99		µg/L	1	3/28/2022 9:31:03 PM
Picloram	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
Bentazon	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
Chloramben	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
Acifluorfen	ND	4.99		µg/L	1	3/28/2022 9:31:03 PM
3,5-Dichlorobenzoic acid	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
4-Nitrophenol	ND	0.998		µg/L	1	3/28/2022 9:31:03 PM
Dacthal (DCPA)	ND	2.00		µg/L	1	3/28/2022 9:31:03 PM
Surr: 2,4-Dichlorophenylacetic acid	111	65.7 - 136		%Rec	1	3/28/2022 9:31:03 PM

Work Order: 2203531
 CLIENT: OnSite Environmental Inc
 Project: 03-234

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-35867	SampType: MBLK	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: MBLKW	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525407							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	1.00									
2,4-D	ND	1.00									
2,4-DP	ND	1.00									
2,4,5-TP (Silvex)	ND	1.00									
2,4,5-T	ND	1.00									
Dinoseb	ND	1.00									
Dalapon	ND	2.00									
2,4-DB	ND	1.00									
MCPD	ND	5.00									
MCPA	ND	5.00									
Picloram	ND	1.00									
Bentazon	ND	1.00									
Chloramben	ND	1.00									
Acifluorfen	ND	5.00									
3,5-Dichlorobenzoic acid	ND	1.00									
4-Nitrophenol	ND	1.00									
Dacthal (DCPA)	ND	2.00									
Surr: 2,4-Dichlorophenylacetic acid	16.7		20.00		83.6	65.7	136				

Sample ID: LCS-35867	SampType: LCS	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: LCSW	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525408							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	3.99	1.00	4.000	0	99.8	16.6	148				
2,4-D	3.98	1.00	4.000	0	99.5	50.4	150				
2,4-DP	3.67	1.00	4.000	0	91.7	53	135				
2,4,5-TP (Silvex)	3.87	1.00	4.000	0	96.9	53.6	140				
2,4,5-T	3.76	1.00	4.000	0	94.0	50	141				
Dinoseb	2.32	1.00	4.000	0	58.0	5	119				
Dalapon	15.1	2.00	20.00	0	75.5	5.65	97.2				

Work Order: 2203531
 CLIENT: OnSite Environmental Inc
 Project: 03-234

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-35867	SampType: LCS	Units: µg/L				Prep Date: 3/24/2022	RunNo: 74377				
Client ID: LCSW	Batch ID: 35867					Analysis Date: 3/28/2022	SeqNo: 1525408				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.64	1.00	4.000	0	91.0	54.9	141				
MCPP	19.7	5.00	20.00	0	98.3	28.7	166				
MCPA	19.7	5.00	20.00	0	98.4	20.7	176				
Picloram	2.34	1.00	4.000	0	58.4	9.72	120				
Bentazon	3.43	1.00	4.000	0	85.8	41.2	141				
Chloramben	2.14	1.00	4.000	0	53.5	5	109				
Acifluorfen	2.00	5.00	4.000	0	50.0	7.62	139				
3,5-Dichlorobenzoic acid	3.73	1.00	4.000	0	93.1	52.4	120				
4-Nitrophenol	2.65	1.00	4.000	0	66.1	5	107				
Dacthal (DCPA)	1.80	2.00	4.000	0	45.0	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	20.7		20.00		104	65.7	136				

Sample ID: 2203531-001AMS	SampType: MS	Units: µg/L				Prep Date: 3/24/2022	RunNo: 74377				
Client ID: SWS-1-20220321	Batch ID: 35867					Analysis Date: 3/28/2022	SeqNo: 1525411				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	4.28	1.10	4.392	0	97.4	31	142				
2,4-D	4.47	1.10	4.392	0	102	50.3	149				
2,4-DP	3.95	1.10	4.392	0	89.9	49.9	143				
2,4,5-TP (Silvex)	4.36	1.10	4.392	0	99.4	47.7	141				
2,4,5-T	4.34	1.10	4.392	0	98.9	34.4	139				
Dinoseb	3.42	1.10	4.392	0	78.0	27.3	117				
Dalapon	15.9	2.20	21.96	0	72.6	14.2	113				
2,4-DB	4.13	1.10	4.392	0	94.1	31.3	147				
MCPP	20.8	5.49	21.96	0	94.7	30.5	177				
MCPA	20.6	5.49	21.96	0	93.9	36.8	163				
Picloram	3.29	1.10	4.392	0	74.9	18.8	115				
Bentazon	4.07	1.10	4.392	0	92.7	11.9	176				
Chloramben	2.91	1.10	4.392	0	66.2	5	112				
Acifluorfen	3.07	5.49	4.392	0	70.0	28.1	146				

Work Order: 2203531
 CLIENT: OnSite Environmental Inc
 Project: 03-234

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: 2203531-001AMS	SampType: MS	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: SWS-1-20220321	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525411							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	4.03	1.10	4.392	0	91.8	36.2	146				
4-Nitrophenol	2.05	1.10	4.392	0	46.6	5	116				
Dacthal (DCPA)	1.74	2.20	4.392	0	39.6	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	23.1		21.96		105	65.7	136				

Sample ID: 2203578-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: BATCH	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525414							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	0.992						0		50	
2,4-D	ND	0.992						0		50	
2,4-DP	ND	0.992						0		50	
2,4,5-TP (Silvex)	ND	0.992						0		50	
2,4,5-T	ND	0.992						0		50	
Dinoseb	ND	0.992						0		50	
Dalapon	ND	1.98						0		50	
2,4-DB	ND	0.992						0		50	
MCPP	ND	4.96						0		50	
MCPA	ND	4.96						0		50	
Picloram	ND	0.992						0		50	
Bentazon	ND	0.992						0		50	
Chloramben	ND	0.992						0		50	
Acifluorfen	ND	4.96						0		50	
3,5-Dichlorobenzoic acid	ND	0.992						0		50	
4-Nitrophenol	ND	0.992						0		50	
Dacthal (DCPA)	ND	1.98						0		50	
Surr: 2,4-Dichlorophenylacetic acid	21.4		19.84		108	65.7	136		0		

Client Name: **ONSITE**

 Work Order Number: **2203531**

 Logged by: **Elisabeth Samoray**

 Date Received: **3/22/2022 12:43:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	4.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Chain of Custody

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: **03-234**

Turnaround Request
(In working days)
(Check One)
 Same Day
 1 Day
 2 Days
 3 Days
 Standard (7 Days)
 _____ (other)

Company: MEI
Project Number: 6694-002-05
Project Name: MO-East
Project Manager: Christy LeVine
Sampled by: Broder D. Steinhilber

Date Sampled: 3/21/22 Time Sampled: 5:15 Matrix: water

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	X
NWTPH-Dx (<input checked="" type="checkbox"/> Acid / SG Clean-up)	X
Volatiles 8260D	X
Halogenated Volatiles 8260D	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270E/SIM (with low-level PAHs)	X
PAHs 8270E/SIM (low-level)	
PCBs 8082A	X
Organochlorine Pesticides 8081B	X
Organophosphorus Pesticides 8270E/SIM	X
Chlorinated Acid Herbicides 8151A	X
Total PCB Metals *	X
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
X NH₃, TDS, TOC	
% Moisture	

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Date	Time	Comments/Special Instructions
1	SIDS-1-20220321	3/21/22	5:15	water	1	3/21/22	1215	Total metals: As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Sc, Zn - No Mg
						3/21/22	1345	
						3/21/22	1510	
						3/21/22	1510	

Relinquished Signature: [Signature]
Received Signature: [Signature]
Relinquished Signature: [Signature]
Received Signature: [Signature]

Company: MEI
ACPTA
ACPTA
OSBE

Reviewed/Date: _____
Data Package: Standard Level III Level IV
Chromatograms with final report Electronic Data Deliverables (EDDs)



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

April 5, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05
Laboratory Reference No. 2203-257

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 23, 2022.

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 stroke 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: April 5, 2022
Samples Submitted: March 23, 2022
Laboratory Reference: 2203-257
Project: 6694-002-05

Case Narrative

Samples were collected on March 22, 2022 and received by the laboratory on March 23, 2022. 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.

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.

Nitrate EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot of each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

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: April 5, 2022
Samples Submitted: March 23, 2022
Laboratory Reference: 2203-257
Project: 6694-002-05

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW8-20220322	03-257-01	Water	3-22-22	3-23-22	



Date of Report: April 5, 2022
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 Laboratory Reference: 2203-257
 Project: 6694-002-05

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Gasoline	ND	100	NWTPH-Gx	3-24-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	66-117				



Date of Report: April 5, 2022
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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:	MW8-20220322					
Laboratory ID:	03-257-01					
Diesel Range Organics	ND	0.21	NWTPH-Dx	3-30-22	3-30-22	
Lube Oil Range Organics	ND	0.21	NWTPH-Dx	3-30-22	3-30-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				



Date of Report: April 5, 2022
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VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Chloromethane	ND	1.0	EPA 8260D	3-23-22	3-23-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Bromomethane	ND	3.3	EPA 8260D	3-23-22	3-23-22	
Chloroethane	ND	1.0	EPA 8260D	3-23-22	3-23-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Acetone	ND	5.0	EPA 8260D	3-23-22	3-23-22	
Iodomethane	ND	8.6	EPA 8260D	3-23-22	3-23-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-23-22	3-23-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-23-22	3-23-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
2-Butanone	ND	5.0	EPA 8260D	3-23-22	3-23-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Chloroform	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Benzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Trichloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Dibromomethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-23-22	3-23-22	
Toluene	ND	1.0	EPA 8260D	3-23-22	3-23-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-23-22	3-23-22	



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
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VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
2-Hexanone	ND	2.0	EPA 8260D	3-23-22	3-23-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-23-22	3-23-22	
o-Xylene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Styrene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Bromoform	ND	1.0	EPA 8260D	3-23-22	3-23-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Bromobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-23-22	3-23-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-23-22	3-23-22	
Naphthalene	ND	1.0	EPA 8260D	3-23-22	3-23-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-125</i>				



Date of Report: April 5, 2022
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 Project: 6694-002-05

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:	MW8-20220322					
Laboratory ID:	03-257-01					
n-Nitrosodimethylamine	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Pyridine	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Phenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Aniline	ND	5.4	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethyl)ether	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2-Chlorophenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
1,3-Dichlorobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
1,4-Dichlorobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Benzyl alcohol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
1,2-Dichlorobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2-Methylphenol (o-Cresol)	ND	1.1	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroisopropyl)ether	ND	1.1	EPA 8270E	3-24-22	3-24-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.1	EPA 8270E	3-24-22	3-24-22	
n-Nitroso-di-n-propylamine	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Hexachloroethane	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Nitrobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Isophorone	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2-Nitrophenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2,4-Dimethylphenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethoxy)methane	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2,4-Dichlorophenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
1,2,4-Trichlorobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Naphthalene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
4-Chloroaniline	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Hexachlorobutadiene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
4-Chloro-3-methylphenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2-Methylnaphthalene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
1-Methylnaphthalene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
Hexachlorocyclopentadiene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2,4,6-Trichlorophenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2,3-Dichloroaniline	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2,4,5-Trichlorophenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2-Chloronaphthalene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2-Nitroaniline	ND	1.1	EPA 8270E	3-24-22	3-24-22	
1,4-Dinitrobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Dimethylphthalate	ND	5.4	EPA 8270E	3-24-22	3-24-22	
1,3-Dinitrobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2,6-Dinitrotoluene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
1,2-Dinitrobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Acenaphthylene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
3-Nitroaniline	ND	1.1	EPA 8270E	3-24-22	3-24-22	



Date of Report: April 5, 2022
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
2,4-Dinitrophenol	ND	5.4	EPA 8270E	3-24-22	3-24-22	
Acenaphthene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
4-Nitrophenol	ND	5.4	EPA 8270E	3-24-22	3-24-22	
2,4-Dinitrotoluene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Dibenzofuran	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2,3,5,6-Tetrachlorophenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
2,3,4,6-Tetrachlorophenol	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Diethylphthalate	ND	1.1	EPA 8270E	3-24-22	3-24-22	
4-Chlorophenyl-phenylether	ND	1.1	EPA 8270E	3-24-22	3-24-22	
4-Nitroaniline	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Fluorene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
4,6-Dinitro-2-methylphenol	ND	5.4	EPA 8270E	3-24-22	3-24-22	
n-Nitrosodiphenylamine	ND	1.1	EPA 8270E	3-24-22	3-24-22	
1,2-Diphenylhydrazine	ND	1.1	EPA 8270E	3-24-22	3-24-22	
4-Bromophenyl-phenylether	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Hexachlorobenzene	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Pentachlorophenol	ND	5.4	EPA 8270E	3-24-22	3-24-22	
Phenanthrene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
Anthracene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
Carbazole	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Di-n-butylphthalate	ND	5.4	EPA 8270E	3-24-22	3-24-22	
Fluoranthene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
Pyrene	ND	0.11	EPA 8270E/SIM	3-24-22	3-24-22	
Butylbenzylphthalate	ND	1.1	EPA 8270E	3-24-22	3-24-22	
bis-2-Ethylhexyladipate	ND	5.4	EPA 8270E	3-24-22	3-24-22	
3,3'-Dichlorobenzidine	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Benzo[a]anthracene	ND	0.011	EPA 8270E/SIM	3-24-22	3-24-22	
Chrysene	ND	0.011	EPA 8270E/SIM	3-24-22	3-24-22	
bis(2-Ethylhexyl)phthalate	ND	5.4	EPA 8270E	3-24-22	3-24-22	
Di-n-octylphthalate	ND	1.1	EPA 8270E	3-24-22	3-24-22	
Benzo[b]fluoranthene	ND	0.011	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo(j,k)fluoranthene	ND	0.011	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[a]pyrene	ND	0.011	EPA 8270E/SIM	3-24-22	3-24-22	
Indeno[1,2,3-cd]pyrene	ND	0.011	EPA 8270E/SIM	3-24-22	3-24-22	
Dibenz[a,h]anthracene	ND	0.011	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[g,h,i]perylene	ND	0.011	EPA 8270E/SIM	3-24-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	49	10 - 82				
Phenol-d6	36	10 - 92				
Nitrobenzene-d5	77	32 - 105				
2-Fluorobiphenyl	74	38 - 105				
2,4,6-Tribromophenol	94	25 - 124				
Terphenyl-d14	80	42 - 116				



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Aroclor 1016	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1221	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1232	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1242	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1248	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1254	ND	0.052	EPA 8082A	3-23-22	3-24-22	
Aroclor 1260	ND	0.052	EPA 8082A	3-23-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>84</i>	<i>42-140</i>				



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
alpha-BHC	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
gamma-BHC (Lindane)	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
beta-BHC	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
delta-BHC	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Heptachlor	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Aldrin	ND	0.0021	EPA 8081B	3-23-22	3-23-22	
Heptachlor Epoxide	ND	0.0031	EPA 8081B	3-23-22	3-23-22	
gamma-Chlordane	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
alpha-Chlordane	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
4,4'-DDE	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endosulfan I	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Dieldrin	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endrin	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
4,4'-DDD	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endosulfan II	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
4,4'-DDT	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endrin Aldehyde	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Methoxychlor	ND	0.010	EPA 8081B	3-23-22	3-23-22	
Endosulfan Sulfate	ND	0.0052	EPA 8081B	3-23-22	3-23-22	
Endrin Ketone	ND	0.021	EPA 8081B	3-23-22	3-23-22	
Toxaphene	ND	0.052	EPA 8081B	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	70	25-114				
DCB	86	30-137				



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TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Arsenic	ND	3.3	EPA 200.8	3-23-22	3-23-22	
Cadmium	ND	4.4	EPA 200.8	3-23-22	3-23-22	
Chromium	ND	11	EPA 200.8	3-23-22	3-23-22	
Copper	ND	11	EPA 200.8	3-23-22	3-23-22	
Iron	2800	50	EPA 200.7	3-24-22	3-24-22	
Lead	ND	1.1	EPA 200.8	3-23-22	3-23-22	
Magnesium	47000	1000	EPA 200.7	3-24-22	3-24-22	
Manganese	2400	20	EPA 200.7	3-24-22	3-24-22	
Mercury	ND	0.025	EPA 7470A	3-24-22	3-25-22	
Nickel	ND	22	EPA 200.8	3-23-22	3-23-22	
Selenium	ND	5.6	EPA 200.8	3-23-22	3-23-22	
Zinc	ND	28	EPA 200.8	3-23-22	3-23-22	



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DISSOLVED METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Arsenic	ND	3.0	EPA 200.8		3-23-22	
Cadmium	ND	4.0	EPA 200.8		3-23-22	
Calcium	40000	1100	EPA 200.7		3-24-22	
Chromium	ND	10	EPA 200.8		3-23-22	
Copper	ND	10	EPA 200.8		3-23-22	
Iron	99	56	EPA 200.7		3-24-22	
Lead	ND	1.0	EPA 200.8		3-23-22	
Magnesium	40000	1100	EPA 200.7		3-24-22	
Manganese	2200	11	EPA 200.7		3-24-22	
Mercury	ND	0.025	EPA 7470A		3-25-22	
Nickel	ND	20	EPA 200.8		3-23-22	
Potassium	4500	1100	EPA 200.7		3-24-22	
Selenium	ND	5.0	EPA 200.8		3-23-22	
Sodium	9800	1100	EPA 200.7		3-24-22	
Zinc	ND	25	EPA 200.8		3-23-22	



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**TOTAL ALKALINITY
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Total Alkalinity	220	2.0	SM 2320B	3-24-22	3-24-22	



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**BICARBONATE
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Bicarbonate Concentration	220	2.0	SM 2320B	3-24-22	3-24-22	



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**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Total Dissolved Solids	320	13	SM 2540C	3-24-22	3-25-22	



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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Chloride	4.6	2.0	SM 4500-Cl E	3-24-22	3-24-22	



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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Nitrate	2.9	0.050	EPA 353.2	3-25-22	3-25-22	



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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Sulfate	69	25	ASTM D516-11	3-25-22	3-25-22	



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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW8-20220322					
Laboratory ID:	03-257-01					
Ammonia	ND	0.050	SM 4500-NH3 D	3-28-22	3-28-22	



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**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:	MB0324W1					
Gasoline	ND	100	NWTPH-Gx	3-24-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-253-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				87	87	66-117		



Date of Report: April 5, 2022
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**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:	MB0330W1					
Diesel Range Organics	ND	0.16	NWTPH-Dx	3-30-22	3-30-22	
Lube Oil Range Organics	ND	0.16	NWTPH-Dx	3-30-22	3-30-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0330W1							
	ORIG	DUP						
Diesel Fuel #2	0.481	0.464	NA	NA	NA	NA	4	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				96	101	50-150		



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Chloromethane	ND	1.0	EPA 8260D	3-23-22	3-23-22	
Vinyl Chloride	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Bromomethane	ND	3.3	EPA 8260D	3-23-22	3-23-22	
Chloroethane	ND	1.0	EPA 8260D	3-23-22	3-23-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Acetone	ND	5.0	EPA 8260D	3-23-22	3-23-22	
Iodomethane	ND	8.6	EPA 8260D	3-23-22	3-23-22	
Carbon Disulfide	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Methylene Chloride	ND	1.0	EPA 8260D	3-23-22	3-23-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Vinyl Acetate	ND	1.0	EPA 8260D	3-23-22	3-23-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
2-Butanone	ND	5.0	EPA 8260D	3-23-22	3-23-22	
Bromochloromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Chloroform	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Benzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Trichloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Dibromomethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Bromodichloromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-23-22	3-23-22	
Toluene	ND	1.0	EPA 8260D	3-23-22	3-23-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-23-22	3-23-22	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Tetrachloroethene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
2-Hexanone	ND	2.0	EPA 8260D	3-23-22	3-23-22	
Dibromochloromethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Chlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Ethylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
m,p-Xylene	ND	0.40	EPA 8260D	3-23-22	3-23-22	
o-Xylene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Styrene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Bromoform	ND	1.0	EPA 8260D	3-23-22	3-23-22	
Isopropylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Bromobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-23-22	3-23-22	
n-Propylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
n-Butylbenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-23-22	3-23-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-23-22	3-23-22	
Naphthalene	ND	1.0	EPA 8260D	3-23-22	3-23-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0323W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.6	10.9	10.0	10.0	116	109	78-125	6	19	
Benzene	11.9	11.2	10.0	10.0	119	112	80-119	6	16	
Trichloroethene	11.8	11.0	10.0	10.0	118	110	80-121	7	18	
Toluene	11.4	10.7	10.0	10.0	114	107	80-117	6	18	
Chlorobenzene	10.9	10.4	10.0	10.0	109	104	80-117	5	17	
<i>Surrogate:</i>										
Dibromofluoromethane					105	105	75-127			
Toluene-d8					102	103	80-127			
4-Bromofluorobenzene					102	104	78-125			



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

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W2					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Pyridine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Phenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Aniline	ND	5.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Chlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzyl alcohol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	3-24-22	3-24-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachloroethane	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Nitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Isophorone	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Nitrophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4-Chloroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Dimethylphthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
3-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	



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

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W2					
2,4-Dinitrophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4-Nitrophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Dibenzofuran	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Diethylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Nitroaniline	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Fluorene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Pentachlorophenol	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Anthracene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Carbazole	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Pyrene	ND	0.10	EPA 8270E/SIM	3-24-22	3-24-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Chrysene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	3-24-22	3-24-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	3-24-22	3-24-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	3-24-22	3-24-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	50	10 - 82				
Phenol-d6	38	10 - 92				
Nitrobenzene-d5	80	32 - 105				
2-Fluorobiphenyl	74	38 - 105				
2,4,6-Tribromophenol	94	25 - 124				
Terphenyl-d14	82	42 - 116				



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: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-268-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	99.1	95.4	160	160	20.8	49	47	20 - 108	4	24	
2-Chlorophenol	96.9	93.4	160	160	ND	61	58	24 - 105	4	32	
1,4-Dichlorobenzene	41.7	42.3	80.0	80.0	ND	52	53	24 - 100	1	36	
n-Nitroso-di-n-propylamine	56.0	56.9	80.0	80.0	ND	70	71	21 - 143	2	30	
1,2,4-Trichlorobenzene	46.0	44.9	80.0	80.0	ND	58	56	34 - 105	2	34	
4-Chloro-3-methylphenol	107	102	160	160	ND	67	64	44 - 113	5	21	
Acenaphthene	59.5	58.6	80.0	80.0	ND	74	73	47 - 106	2	19	
4-Nitrophenol	120	111	160	160	ND	75	69	20 - 127	8	37	
2,4-Dinitrotoluene	54.4	51.5	80.0	80.0	ND	68	64	45 - 106	5	19	
Pentachlorophenol	127	121	160	160	ND	79	76	20 - 136	5	39	
Pyrene	60.9	57.6	80.0	80.0	ND	76	72	47 - 112	6	23	
<i>Surrogate:</i>											
2-Fluorophenol						52	50	10 - 82			
Phenol-d6						57	54	10 - 92			
Nitrobenzene-d5						67	61	32 - 105			
2-Fluorobiphenyl						68	65	38 - 105			
2,4,6-Tribromophenol						78	72	25 - 124			
Terphenyl-d14						66	61	42 - 116			



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323W1					
Aroclor 1016	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1221	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1232	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1242	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1248	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1254	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Aroclor 1260	ND	0.050	EPA 8082A	3-23-22	3-24-22	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	86		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0323W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.495	0.442	0.500	0.500	N/A	99	88	73-131	11	12	
Surrogate:											
DCB						95	104	42-140			



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323W1					
alpha-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
beta-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
delta-BHC	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Heptachlor	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Aldrin	ND	0.0020	EPA 8081B	3-23-22	3-23-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	3-23-22	3-23-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDE	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endosulfan I	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Dieldrin	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDD	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endosulfan II	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
4,4'-DDT	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Methoxychlor	ND	0.010	EPA 8081B	3-23-22	3-23-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	3-23-22	3-23-22	
Endrin Ketone	ND	0.020	EPA 8081B	3-23-22	3-23-22	
Toxaphene	ND	0.050	EPA 8081B	3-23-22	3-23-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	63	25-114				
DCB	85	30-137				



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0323W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0878	0.0928	0.100	0.100	N/A	88	93	42-113	6	19	
gamma-BHC (Lindane)	0.0871	0.0918	0.100	0.100	N/A	87	92	45-114	5	15	
beta-BHC	0.0871	0.0845	0.100	0.100	N/A	87	84	40-118	3	15	
delta-BHC	0.0912	0.0934	0.100	0.100	N/A	91	93	20-125	2	15	
Heptachlor	0.0814	0.0833	0.100	0.100	N/A	81	83	41-120	2	16	
Aldrin	0.0878	0.0886	0.100	0.100	N/A	88	89	35-115	1	15	
Heptachlor Epoxide	0.0839	0.0850	0.100	0.100	N/A	84	85	50-118	1	15	
gamma-Chlordane	0.0860	0.0864	0.100	0.100	N/A	86	86	46-110	0	15	
alpha-Chlordane	0.0854	0.0849	0.100	0.100	N/A	85	85	38-112	1	15	
4,4'-DDE	0.0944	0.0888	0.100	0.100	N/A	94	89	41-127	6	15	
Endosulfan I	0.0932	0.0942	0.100	0.100	N/A	93	94	45-119	1	15	
Dieldrin	0.0930	0.0911	0.100	0.100	N/A	93	91	46-115	2	15	
Endrin	0.105	0.104	0.100	0.100	N/A	105	104	52-124	1	15	
4,4'-DDD	0.0948	0.0926	0.100	0.100	N/A	95	93	52-121	2	15	
Endosulfan II	0.0879	0.0883	0.100	0.100	N/A	88	88	44-114	0	15	
4,4'-DDT	0.100	0.0951	0.100	0.100	N/A	100	95	48-123	5	15	
Endrin Aldehyde	0.0884	0.0827	0.100	0.100	N/A	88	83	45-114	7	15	
Methoxychlor	0.0823	0.0756	0.100	0.100	N/A	82	76	49-130	8	15	
Endosulfan Sulfate	0.0878	0.0870	0.100	0.100	N/A	88	87	39-117	1	15	
Endrin Ketone	0.0830	0.0778	0.100	0.100	N/A	83	78	53-119	6	15	
Surrogate:											
TCMX						72	75	25-114			
DCB						99	98	30-137			



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**TOTAL METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324WH2					
Iron	ND	50	EPA 200.7	3-24-22	3-24-22	
Magnesium	ND	1000	EPA 200.7	3-24-22	3-24-22	
Manganese	ND	20	EPA 200.7	3-24-22	3-24-22	
METHOD BLANK						
Laboratory ID:	MB0323WM1					
Arsenic	ND	3.3	EPA 200.8	3-23-22	3-23-22	
Cadmium	ND	4.4	EPA 200.8	3-23-22	3-23-22	
Chromium	ND	11	EPA 200.8	3-23-22	3-23-22	
Copper	ND	11	EPA 200.8	3-23-22	3-23-22	
Lead	ND	1.1	EPA 200.8	3-23-22	3-23-22	
Nickel	ND	22	EPA 200.8	3-23-22	3-23-22	
Selenium	ND	5.6	EPA 200.8	3-23-22	3-23-22	
Zinc	ND	28	EPA 200.8	3-23-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0324W1					
Mercury	ND	0.025	EPA 7470A	3-24-22	3-25-22	



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-256-01									
	ORIG	DUP								
Iron	ND	165	NA	NA		NA	NA	NA	20	
Magnesium	8840	9460	NA	NA		NA	NA	7	20	
Manganese	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID:	03-161-07									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID:	03-257-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	03-256-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	22200	22000	20000	20000	ND	111	110	75-125	1	20
Magnesium	31300	31100	20000	20000	8840	112	111	75-125	1	20
Manganese	547	543	500	500	ND	109	109	75-125	1	20
Laboratory ID:	03-161-07									
Arsenic	113	106	111	111	ND	102	96	75-125	6	20
Cadmium	104	102	111	111	ND	94	92	75-125	3	20
Chromium	104	99.1	111	111	ND	94	89	75-125	5	20
Copper	101	96.4	111	111	ND	91	87	75-125	5	20
Lead	110	105	111	111	ND	99	94	75-125	5	20
Nickel	101	95.6	111	111	ND	91	86	75-125	5	20
Selenium	115	110	111	111	ND	103	99	75-125	4	20
Zinc	119	114	111	111	13.3	95	91	75-125	4	20
Laboratory ID:	03-257-01									
Mercury	6.13	6.13	6.25	6.25	ND	98	98	75-125	0	20



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324D1					
Calcium	ND	1100	EPA 200.7		3-24-22	
Iron	ND	56	EPA 200.7		3-24-22	
Magnesium	ND	1100	EPA 200.7		3-24-22	
Manganese	ND	11	EPA 200.7		3-24-22	
Potassium	ND	1100	EPA 200.7		3-24-22	
Sodium	ND	1100	EPA 200.7		3-24-22	
METHOD BLANK						
Laboratory ID:	MB0318F1					
Arsenic	ND	3.0	EPA 200.8	3-18-22	3-23-22	
Cadmium	ND	4.0	EPA 200.8	3-18-22	3-23-22	
Chromium	ND	10	EPA 200.8	3-18-22	3-23-22	
Copper	ND	10	EPA 200.8	3-18-22	3-23-22	
Lead	ND	1.0	EPA 200.8	3-18-22	3-23-22	
Nickel	ND	20	EPA 200.8	3-18-22	3-23-22	
Selenium	ND	5.0	EPA 200.8	3-18-22	3-23-22	
Zinc	ND	25	EPA 200.8	3-18-22	3-23-22	
METHOD BLANK						
Laboratory ID:	MB0324D1					
Mercury	ND	0.025	EPA 7470A		3-25-22	



Date of Report: April 5, 2022
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 Laboratory Reference: 2203-257
 Project: 6694-002-05

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-173-01							
	ORIG	DUP						
Calcium	18200	18400	NA	NA	NA	NA	1	20
Iron	ND	ND	NA	NA	NA	NA	NA	20
Magnesium	11500	11500	NA	NA	NA	NA	0	20
Manganese	61.6	62.9	NA	NA	NA	NA	2	20
Potassium	2230	2260	NA	NA	NA	NA	1	20
Sodium	5970	6020	NA	NA	NA	NA	1	20

Laboratory ID:	03-173-01							
Arsenic	8.84	9.40	NA	NA	NA	NA	6	20
Cadmium	ND	ND	NA	NA	NA	NA	NA	20
Chromium	ND	ND	NA	NA	NA	NA	NA	20
Copper	ND	ND	NA	NA	NA	NA	NA	20
Lead	ND	ND	NA	NA	NA	NA	NA	20
Nickel	ND	ND	NA	NA	NA	NA	NA	20
Selenium	ND	ND	NA	NA	NA	NA	NA	20
Zinc	ND	ND	NA	NA	NA	NA	NA	20

Laboratory ID:	03-248-01							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	03-173-01									
	MS	MSD	MS	MSD	MS	MSD				
Calcium	40800	39000	22200	22200	18200	102	94	75-125	5	20
Iron	24300	22800	22200	22200	ND	110	103	75-125	7	20
Magnesium	34400	32500	22200	22200	11500	103	95	75-125	6	20
Manganese	689	606	556	556	61.6	113	98	75-125	13	20
Potassium	26000	24300	22200	22200	2230	107	100	75-125	7	20
Sodium	30200	28600	22200	22200	5970	109	102	75-125	5	20

Laboratory ID:	03-173-01									
Arsenic	91.6	92.2	80.0	80.0	8.84	103	104	75-125	1	20
Cadmium	79.4	79.0	80.0	80.0	ND	99	99	75-125	1	20
Chromium	79.4	78.2	80.0	80.0	ND	99	98	75-125	2	20
Copper	76.6	75.4	80.0	80.0	ND	96	94	75-125	2	20
Lead	82.4	81.8	80.0	80.0	ND	103	102	75-125	1	20
Nickel	76.8	75.8	80.0	80.0	ND	96	95	75-125	1	20
Selenium	85.8	84.0	80.0	80.0	ND	107	105	75-125	2	20
Zinc	82.0	82.6	80.0	80.0	ND	103	103	75-125	1	20

Laboratory ID:	03-248-01									
Mercury	6.23	6.28	6.25	6.25	ND	100	100	75-125	1	20



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Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Total Alkalinity	ND	2.0	SM 2320B	3-24-22	3-24-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-241-03							
	ORIG	DUP						
Total Alkalinity	92.0	94.0	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Total Alkalinity	106	100	NA	106	89-110	NA	NA	



Date of Report: December 15, 2022
 Samples Submitted: December 7, 2022
 Laboratory Reference: 2112-075
 Project: 6694-002-05

**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Bicarbonate Concentration	ND	2.0	SM 2320B	3-24-22	3-24-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-241-03							
	ORIG	DUP						
Bicarbonate	92.0	94.0	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Bicarbonate	106	100	NA	106	89-110	NA	NA	



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Total Dissolved Solids	ND	13	SM 2540C	3-24-22	3-25-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-234-01							
	ORIG	DUP						
Total Dissolved Solids	528	528	NA	NA	NA	0	29	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Total Dissolved Solids	484	500	NA	97	84-110	NA	NA	



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**CHLORIDE
 SM 4500-Cl E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0324W1					
Chloride	ND	2.0	SM 4500-Cl E	3-24-22	3-24-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-233-01							
	ORIG	DUP						
Chloride	5.13	5.05	NA	NA	NA	2	15	

MATRIX SPIKE								
Laboratory ID:	03-233-01							
	MS	MS		MS				
Chloride	56.2	50.0	5.13	102	86-115	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0324W1							
	SB	SB		SB				
Chloride	51.3	50.0	NA	103	86-115	NA	NA	



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**NITRATE (as Nitrogen)
 EPA 353.2
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W1					
Nitrate	ND	0.050	EPA 353.2	3-25-22	3-25-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-278-01							
	ORIG	DUP						
Nitrate	0.0874	0.0769	NA	NA	NA	NA	13	16

MATRIX SPIKE								
Laboratory ID:	03-278-01							
	MS	MS		MS				
Nitrate	2.19	2.00	0.0874	105	92-125	NA	NA	



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W1					
Sulfate	ND	5.0	ASTM D516-11	3-25-22	3-25-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-233-01							
	ORIG	DUP						
Sulfate	10.0	9.89	NA	NA	NA	1	10	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKE								
Laboratory ID:	03-233-01							
	MS	MS		MS				
Sulfate	31.2	20.0	10.0	106	69-139	NA	NA	



Date of Report: April 5, 2022
 Samples Submitted: March 23, 2022
 Laboratory Reference: 2203-257
 Project: 6694-002-05

AMMONIA (as Nitrogen)
SM 4500-NH₃ D
QUALITY CONTROL

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0328W1					
Ammonia	ND	0.050	SM 4500-NH3 D	3-28-22	3-28-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-267-01							
	ORIG	DUP						
Ammonia	ND	ND	NA	NA	NA	NA	19	

MATRIX SPIKE								
Laboratory ID:	03-267-01							
	MS	MS		MS				
Ammonia	5.03	5.00	ND	101	80-113	NA	NA	





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 03-257

Work Order Number: 2203578

April 05, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 3/23/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



CLIENT: OnSite Environmental Inc
Project: 03-257
Work Order: 2203578

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203578-001	MW8-20220322	03/22/2022 2:15 PM	03/23/2022 2:52 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc

Project: 03-257

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc
Project: 03-257
Lab ID: 2203578-001
Client Sample ID: MW8-20220322

Collection Date: 3/22/2022 2:15:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 35867 Analyst: SB

Dicamba	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
2,4-D	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
2,4-DP	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
2,4,5-TP (Silvex)	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
2,4,5-T	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
Dinoseb	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
Dalapon	ND	2.00		µg/L	1	3/28/2022 10:32:18 PM
2,4-DB	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
MCPP	ND	4.99		µg/L	1	3/28/2022 10:32:18 PM
MCPA	ND	4.99		µg/L	1	3/28/2022 10:32:18 PM
Picloram	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
Bentazon	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
Chloramben	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
Acifluorfen	ND	4.99		µg/L	1	3/28/2022 10:32:18 PM
3,5-Dichlorobenzoic acid	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
4-Nitrophenol	ND	0.998		µg/L	1	3/28/2022 10:32:18 PM
Dacthal (DCPA)	ND	2.00		µg/L	1	3/28/2022 10:32:18 PM
Surr: 2,4-Dichlorophenylacetic acid	116	65.7 - 136		%Rec	1	3/28/2022 10:32:18 PM

Work Order: 2203578
 CLIENT: OnSite Environmental Inc
 Project: 03-257

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-35867	SampType: MBLK	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: MBLKW	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525407							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	1.00									
2,4-D	ND	1.00									
2,4-DP	ND	1.00									
2,4,5-TP (Silvex)	ND	1.00									
2,4,5-T	ND	1.00									
Dinoseb	ND	1.00									
Dalapon	ND	2.00									
2,4-DB	ND	1.00									
MCPD	ND	5.00									
MCPA	ND	5.00									
Picloram	ND	1.00									
Bentazon	ND	1.00									
Chloramben	ND	1.00									
Acifluorfen	ND	5.00									
3,5-Dichlorobenzoic acid	ND	1.00									
4-Nitrophenol	ND	1.00									
Dacthal (DCPA)	ND	2.00									
Surr: 2,4-Dichlorophenylacetic acid	16.7		20.00		83.6	65.7	136				

Sample ID: LCS-35867	SampType: LCS	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: LCSW	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525408							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	3.99	1.00	4.000	0	99.8	16.6	148				
2,4-D	3.98	1.00	4.000	0	99.5	50.4	150				
2,4-DP	3.67	1.00	4.000	0	91.7	53	135				
2,4,5-TP (Silvex)	3.87	1.00	4.000	0	96.9	53.6	140				
2,4,5-T	3.76	1.00	4.000	0	94.0	50	141				
Dinoseb	2.32	1.00	4.000	0	58.0	5	119				
Dalapon	15.1	2.00	20.00	0	75.5	5.65	97.2				

Work Order: 2203578
 CLIENT: OnSite Environmental Inc
 Project: 03-257

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-35867	SampType: LCS	Units: µg/L				Prep Date: 3/24/2022	RunNo: 74377				
Client ID: LCSW	Batch ID: 35867					Analysis Date: 3/28/2022	SeqNo: 1525408				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.64	1.00	4.000	0	91.0	54.9	141				
MCPPP	19.7	5.00	20.00	0	98.3	28.7	166				
MCPA	19.7	5.00	20.00	0	98.4	20.7	176				
Picloram	2.34	1.00	4.000	0	58.4	9.72	120				
Bentazon	3.43	1.00	4.000	0	85.8	41.2	141				
Chloramben	2.14	1.00	4.000	0	53.5	5	109				
Acifluorfen	2.00	5.00	4.000	0	50.0	7.62	139				
3,5-Dichlorobenzoic acid	3.73	1.00	4.000	0	93.1	52.4	120				
4-Nitrophenol	2.65	1.00	4.000	0	66.1	5	107				
Dacthal (DCPA)	1.80	2.00	4.000	0	45.0	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	20.7		20.00		104	65.7	136				

Sample ID: 2203531-001AMS	SampType: MS	Units: µg/L				Prep Date: 3/24/2022	RunNo: 74377				
Client ID: BATCH	Batch ID: 35867					Analysis Date: 3/28/2022	SeqNo: 1525411				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	4.28	1.10	4.392	0	97.4	31	142				
2,4-D	4.47	1.10	4.392	0	102	50.3	149				
2,4-DP	3.95	1.10	4.392	0	89.9	49.9	143				
2,4,5-TP (Silvex)	4.36	1.10	4.392	0	99.4	47.7	141				
2,4,5-T	4.34	1.10	4.392	0	98.9	34.4	139				
Dinoseb	3.42	1.10	4.392	0	78.0	27.3	117				
Dalapon	15.9	2.20	21.96	0	72.6	14.2	113				
2,4-DB	4.13	1.10	4.392	0	94.1	31.3	147				
MCPPP	20.8	5.49	21.96	0	94.7	30.5	177				
MCPA	20.6	5.49	21.96	0	93.9	36.8	163				
Picloram	3.29	1.10	4.392	0	74.9	18.8	115				
Bentazon	4.07	1.10	4.392	0	92.7	11.9	176				
Chloramben	2.91	1.10	4.392	0	66.2	5	112				
Acifluorfen	3.07	5.49	4.392	0	70.0	28.1	146				

Work Order: 2203578
 CLIENT: OnSite Environmental Inc
 Project: 03-257

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: 2203531-001AMS	SampType: MS	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: BATCH	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525411							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	4.03	1.10	4.392	0	91.8	36.2	146				
4-Nitrophenol	2.05	1.10	4.392	0	46.6	5	116				
Dacthal (DCPA)	1.74	2.20	4.392	0	39.6	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	23.1		21.96		105	65.7	136				

Sample ID: 2203578-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/24/2022	RunNo: 74377							
Client ID: MW8-20220322	Batch ID: 35867		Analysis Date: 3/28/2022	SeqNo: 1525414							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	0.992						0	0	50	
2,4-D	ND	0.992						0	0	50	
2,4-DP	ND	0.992						0	0	50	
2,4,5-TP (Silvex)	ND	0.992						0	0	50	
2,4,5-T	ND	0.992						0	0	50	
Dinoseb	ND	0.992						0	0	50	
Dalapon	ND	1.98						0	0	50	
2,4-DB	ND	0.992						0	0	50	
MCPP	ND	4.96						0	0	50	
MCPA	ND	4.96						0	0	50	
Picloram	ND	0.992						0	0	50	
Bentazon	ND	0.992						0	0	50	
Chloramben	ND	0.992						0	0	50	
Acifluorfen	ND	4.96						0	0	50	
3,5-Dichlorobenzoic acid	ND	0.992						0	0	50	
4-Nitrophenol	ND	0.992						0	0	50	
Dacthal (DCPA)	ND	1.98						0	0	50	
Surr: 2,4-Dichlorophenylacetic acid	21.4		19.84		108	65.7	136		0		

Client Name: **ONSITE**

 Work Order Number: **2203578**

 Logged by: **Gabrielle Coeulle**

 Date Received: **3/23/2022 2:52:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Environmental Inc.
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

Company: **MEI**
 Project Number: **6094-002-05**
 Project Name: **NO-East**
 Project Manager: **Verrett Legare**

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: **03-257**

Sampled by: **Woodrow D. Strubstad**

Lab ID	Sample Identification	Date Sampled	Time		Matrix	Number of Containers	Laboratory Number:	
			Sampled	Sampled			03-257	
1	WWS-202032C	3/24/22	1415	Water	20	NWTPH-HCID NWTPH-Gx/BTEX NWTPH-Gx NWTPH-Dx Volatiles 8260B Halogenated Volatiles 8260B Semivolatiles 8270D/SIM (with low-level PAHs) PAHs 8270D/SIM (low-level) PCBs 8082 Organochlorine Pesticides 8081A Organophosphorus Pesticides 8270D/SIM Chlorinated Acid Herbicides 8151A Total RCRA/MTGA Metals (circle one) TCLP Metals Dissolved Cu, Pb, Ni HEM (oil and grease) 1664 Total Dissolved Metals NH ₃ , TDS Alkalinity + bicarbonate Cl, NO ₃ , SO ₄	03-257	

Signature:

Company: **MEI**

Date: 3/24/22

Time: 10:36

Comments/Special Instructions: T/D metals; As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, W, Zn

Relinquished
 Received
 Relinquished
 Received
 Relinquished
 Received

Reviewed/Date

Data Package: Level III Level IV Electronic Data Deliverables (EDDs)



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

April 15, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05
Laboratory Reference No. 2203-363

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on March 31, 2022.

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 stroke 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: April 15, 2022
Samples Submitted: March 31, 2022
Laboratory Reference: 2203-363
Project: 6694-002-05

Case Narrative

Samples were collected on March 30, 2022 and received by the laboratory on March 31, 2022. 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.

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.

Semivolatiles EPA 8270E/SIM Analysis

The spike blank and spike blank duplicate both had a high recovery for one analyte indicating a high bias. The associated sample had no detectable recoveries. No further action was taken.

Nitrate EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot from each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: April 15, 2022
Samples Submitted: March 31, 2022
Laboratory Reference: 2203-363
Project: 6694-002-05

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW1-220330	03-363-01	Water	3-30-22	3-31-22	



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Gasoline	ND	100	NWTPH-Gx	4-4-22	4-4-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-117				



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**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:	MW1-220330					
Laboratory ID:	03-363-01					
Diesel Range Organics	ND	0.20	NWTPH-Dx	4-8-22	4-8-22	
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	4-8-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>90</i>	<i>50-150</i>				



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VOLATILE ORGANICS EPA 8260D
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Chloromethane	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Vinyl Chloride	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Bromomethane	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Chloroethane	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Acetone	ND	5.0	EPA 8260D	4-1-22	4-1-22	
Iodomethane	ND	5.0	EPA 8260D	4-1-22	4-1-22	
Carbon Disulfide	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Methylene Chloride	ND	1.0	EPA 8260D	4-1-22	4-1-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Vinyl Acetate	ND	1.0	EPA 8260D	4-1-22	4-1-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
2-Butanone	ND	5.0	EPA 8260D	4-1-22	4-1-22	
Bromochloromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Chloroform	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Benzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Trichloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Dibromomethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Bromodichloromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-1-22	4-1-22	
Toluene	ND	1.0	EPA 8260D	4-1-22	4-1-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-1-22	4-1-22	



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VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Tetrachloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
2-Hexanone	ND	2.0	EPA 8260D	4-1-22	4-1-22	
Dibromochloromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Chlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Ethylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
m,p-Xylene	ND	0.40	EPA 8260D	4-1-22	4-1-22	
o-Xylene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Styrene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Bromoform	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Isopropylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Bromobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
n-Propylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
n-Butylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-1-22	4-1-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Naphthalene	ND	1.0	EPA 8260D	4-1-22	4-1-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-125</i>				



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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:	MW1-220330					
Laboratory ID:	03-363-01					
n-Nitrosodimethylamine	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Pyridine	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Phenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Aniline	ND	4.9	EPA 8270E	4-4-22	4-4-22	
bis(2-Chloroethyl)ether	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2-Chlorophenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
1,3-Dichlorobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
1,4-Dichlorobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Benzyl alcohol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
1,2-Dichlorobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2-Methylphenol (o-Cresol)	ND	0.97	EPA 8270E	4-4-22	4-4-22	
bis(2-Chloroisopropyl)ether	ND	0.97	EPA 8270E	4-4-22	4-4-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.97	EPA 8270E	4-4-22	4-4-22	
n-Nitroso-di-n-propylamine	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Hexachloroethane	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Nitrobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Isophorone	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2-Nitrophenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2,4-Dimethylphenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
bis(2-Chloroethoxy)methane	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2,4-Dichlorophenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
1,2,4-Trichlorobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Naphthalene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
4-Chloroaniline	ND	1.3	EPA 8270E	4-4-22	4-4-22	
Hexachlorobutadiene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
4-Chloro-3-methylphenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2-Methylnaphthalene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
1-Methylnaphthalene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
Hexachlorocyclopentadiene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2,4,6-Trichlorophenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2,3-Dichloroaniline	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2,4,5-Trichlorophenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2-Chloronaphthalene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2-Nitroaniline	ND	0.97	EPA 8270E	4-4-22	4-4-22	
1,4-Dinitrobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Dimethylphthalate	ND	4.9	EPA 8270E	4-4-22	4-4-22	
1,3-Dinitrobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2,6-Dinitrotoluene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
1,2-Dinitrobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Acenaphthylene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
3-Nitroaniline	ND	0.97	EPA 8270E	4-4-22	4-4-22	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
2,4-Dinitrophenol	ND	4.9	EPA 8270E	4-4-22	4-4-22	
Acenaphthene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
4-Nitrophenol	ND	4.9	EPA 8270E	4-4-22	4-4-22	
2,4-Dinitrotoluene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Dibenzofuran	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2,3,5,6-Tetrachlorophenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
2,3,4,6-Tetrachlorophenol	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Diethylphthalate	ND	0.97	EPA 8270E	4-4-22	4-4-22	
4-Chlorophenyl-phenylether	ND	0.97	EPA 8270E	4-4-22	4-4-22	
4-Nitroaniline	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Fluorene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
4,6-Dinitro-2-methylphenol	ND	4.9	EPA 8270E	4-4-22	4-4-22	
n-Nitrosodiphenylamine	ND	0.97	EPA 8270E	4-4-22	4-4-22	
1,2-Diphenylhydrazine	ND	0.97	EPA 8270E	4-4-22	4-4-22	
4-Bromophenyl-phenylether	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Hexachlorobenzene	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Pentachlorophenol	ND	4.9	EPA 8270E	4-4-22	4-4-22	
Phenanthrene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
Anthracene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
Carbazole	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Di-n-butylphthalate	ND	4.9	EPA 8270E	4-4-22	4-4-22	
Fluoranthene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
Pyrene	ND	0.097	EPA 8270E/SIM	4-4-22	4-4-22	
Butylbenzylphthalate	ND	0.97	EPA 8270E	4-4-22	4-4-22	
bis-2-Ethylhexyladipate	ND	4.9	EPA 8270E	4-4-22	4-4-22	
3,3'-Dichlorobenzidine	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Benzo[a]anthracene	ND	0.0097	EPA 8270E/SIM	4-4-22	4-4-22	
Chrysene	ND	0.0097	EPA 8270E/SIM	4-4-22	4-4-22	
bis(2-Ethylhexyl)phthalate	ND	4.9	EPA 8270E	4-4-22	4-4-22	
Di-n-octylphthalate	ND	0.97	EPA 8270E	4-4-22	4-4-22	
Benzo[b]fluoranthene	ND	0.0097	EPA 8270E/SIM	4-4-22	4-4-22	
Benzo(j,k)fluoranthene	ND	0.0097	EPA 8270E/SIM	4-4-22	4-4-22	
Benzo[a]pyrene	ND	0.0097	EPA 8270E/SIM	4-4-22	4-4-22	
Indeno[1,2,3-cd]pyrene	ND	0.0097	EPA 8270E/SIM	4-4-22	4-4-22	
Dibenz[a,h]anthracene	ND	0.0097	EPA 8270E/SIM	4-4-22	4-4-22	
Benzo[g,h,i]perylene	ND	0.0097	EPA 8270E/SIM	4-4-22	4-4-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	37	10 - 82				
Phenol-d6	32	10 - 92				
Nitrobenzene-d5	69	32 - 105				
2-Fluorobiphenyl	74	38 - 105				
2,4,6-Tribromophenol	97	25 - 124				
Terphenyl-d14	83	42 - 116				



Date of Report: April 15, 2022
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 Laboratory Reference: 2203-363
 Project: 6694-002-05

PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Aroclor 1016	ND	0.049	EPA 8082A	4-5-22	4-8-22	
Aroclor 1221	ND	0.049	EPA 8082A	4-5-22	4-8-22	
Aroclor 1232	ND	0.049	EPA 8082A	4-5-22	4-8-22	
Aroclor 1242	ND	0.049	EPA 8082A	4-5-22	4-8-22	
Aroclor 1248	ND	0.049	EPA 8082A	4-5-22	4-8-22	
Aroclor 1254	ND	0.049	EPA 8082A	4-5-22	4-8-22	
Aroclor 1260	ND	0.049	EPA 8082A	4-5-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>95</i>	<i>42-140</i>				



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
alpha-BHC	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
gamma-BHC (Lindane)	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
beta-BHC	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
delta-BHC	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
Heptachlor	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
Aldrin	ND	0.0020	EPA 8081B	4-5-22	4-6-22	
Heptachlor Epoxide	ND	0.0029	EPA 8081B	4-5-22	4-6-22	
gamma-Chlordane	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
alpha-Chlordane	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
4,4'-DDE	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
Endosulfan I	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
Dieldrin	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
Endrin	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
4,4'-DDD	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
Endosulfan II	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
4,4'-DDT	ND	0.0049	EPA 8081B	4-5-22	4-6-22	Y1
Endrin Aldehyde	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
Methoxychlor	ND	0.0098	EPA 8081B	4-5-22	4-6-22	
Endosulfan Sulfate	ND	0.0049	EPA 8081B	4-5-22	4-6-22	
Endrin Ketone	ND	0.020	EPA 8081B	4-5-22	4-6-22	
Toxaphene	ND	0.049	EPA 8081B	4-5-22	4-6-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	66	25-114				
DCB	87	30-137				



Date of Report: April 15, 2022
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 Project: 6694-002-05

TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Arsenic	5.8	3.3	EPA 200.8	4-6-22	4-6-22	
Cadmium	ND	4.4	EPA 200.8	4-6-22	4-6-22	
Chromium	ND	11	EPA 200.8	4-6-22	4-6-22	
Copper	ND	11	EPA 200.8	4-6-22	4-6-22	
Iron	1900	50	EPA 200.7	4-6-22	4-6-22	
Lead	ND	1.1	EPA 200.8	4-6-22	4-6-22	
Magnesium	10000	1000	EPA 200.7	4-6-22	4-6-22	
Manganese	390	10	EPA 200.7	4-6-22	4-6-22	
Mercury	ND	0.025	EPA 7470A	4-4-22	4-4-22	
Nickel	86	22	EPA 200.8	4-6-22	4-6-22	
Selenium	ND	5.6	EPA 200.8	4-6-22	4-6-22	
Zinc	ND	28	EPA 200.8	4-6-22	4-6-22	



Date of Report: April 15, 2022
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 Laboratory Reference: 2203-363
 Project: 6694-002-05

DISSOLVED METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Arsenic	5.0	3.0	EPA 200.8		4-5-22	
Cadmium	ND	4.0	EPA 200.8		4-5-22	
Calcium	18000	1100	EPA 200.7		4-6-22	
Chromium	ND	10	EPA 200.8		4-5-22	
Copper	ND	10	EPA 200.8		4-5-22	
Iron	330	56	EPA 200.7		4-6-22	
Lead	ND	1.0	EPA 200.8		4-5-22	
Magnesium	9200	1100	EPA 200.7		4-6-22	
Manganese	350	11	EPA 200.7		4-6-22	
Mercury	ND	0.025	EPA 7470A		4-4-22	
Nickel	ND	20	EPA 200.8		4-5-22	
Potassium	2500	1100	EPA 200.7		4-6-22	
Selenium	ND	5.0	EPA 200.8		4-5-22	
Sodium	5700	1100	EPA 200.7		4-6-22	
Zinc	ND	25	EPA 200.8		4-5-22	



Date of Report: April 15, 2022
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**TOTAL ALKALINITY
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Total Alkalinity	86	2.0	SM 2320B	4-4-22	4-4-22	



Date of Report: December 15, 2022
Samples Submitted: December 7, 2022
Laboratory Reference: 2112-075
Project: 6694-002-05

**BICARBONATE
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Bicarbonate	86	2.0	SM 2320B	4-4-22	4-4-22	



Date of Report: April 15, 2022
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**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Total Dissolved Solids	100	13	SM 2540C	4-1-22	4-4-22	



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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Chloride	3.9	2.0	SM 4500-Cl E	4-6-22	4-6-22	



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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Nitrate	ND	0.050	EPA 353.2	4-8-22	4-8-22	



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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Sulfate	ND	5.0	ASTM D516-11	4-1-22	4-1-22	



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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW1-220330					
Laboratory ID:	03-363-01					
Ammonia	0.21	0.050	SM 4500-NH3 D	4-5-22	4-5-22	



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**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:	MB0404W1					
Gasoline	ND	100	NWTPH-Gx	4-4-22	4-4-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-361-01							
	ORIG	DUP						
Gasoline	199	192	NA	NA	NA	NA	4	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				92	92	66-117		



Date of Report: April 15, 2022
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 Project: 6694-002-05

**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:	MB0408W1					
Diesel Range Organics	ND	0.16	NWTPH-Dx	4-8-22	4-8-22	
Lube Oil Range Organics	ND	0.16	NWTPH-Dx	4-8-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-017-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				98	90	50-150		



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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0401W2					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Chloromethane	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Vinyl Chloride	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Bromomethane	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Chloroethane	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Acetone	ND	5.0	EPA 8260D	4-1-22	4-1-22	
Iodomethane	ND	5.0	EPA 8260D	4-1-22	4-1-22	
Carbon Disulfide	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Methylene Chloride	ND	1.0	EPA 8260D	4-1-22	4-1-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Vinyl Acetate	ND	1.0	EPA 8260D	4-1-22	4-1-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
2-Butanone	ND	5.0	EPA 8260D	4-1-22	4-1-22	
Bromochloromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Chloroform	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Benzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Trichloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Dibromomethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Bromodichloromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-1-22	4-1-22	
Toluene	ND	1.0	EPA 8260D	4-1-22	4-1-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-1-22	4-1-22	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0401W2					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Tetrachloroethene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
2-Hexanone	ND	2.0	EPA 8260D	4-1-22	4-1-22	
Dibromochloromethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Chlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Ethylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
m,p-Xylene	ND	0.40	EPA 8260D	4-1-22	4-1-22	
o-Xylene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Styrene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Bromoform	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Isopropylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Bromobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-1-22	4-1-22	
n-Propylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
n-Butylbenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-1-22	4-1-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	4-1-22	4-1-22	
Naphthalene	ND	1.0	EPA 8260D	4-1-22	4-1-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	4-1-22	4-1-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-125</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0401W2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.88	10.0	10.0	10.0	99	100	78-125	1	19	
Benzene	10.1	10.1	10.0	10.0	101	101	80-119	0	16	
Trichloroethene	9.97	9.94	10.0	10.0	100	99	80-121	0	18	
Toluene	9.28	9.00	10.0	10.0	93	90	80-117	3	18	
Chlorobenzene	10.2	10.3	10.0	10.0	102	103	80-117	1	17	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					<i>109</i>	<i>108</i>	<i>75-127</i>			
<i>Toluene-d8</i>					<i>100</i>	<i>99</i>	<i>80-127</i>			
<i>4-Bromofluorobenzene</i>					<i>107</i>	<i>106</i>	<i>78-125</i>			



Date of Report: April 15, 2022
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**SEMIVOLATILE ORGANICS EPA 8270E/SIM
 QUALITY CONTROL**

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0404W1					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Pyridine	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Phenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Aniline	ND	5.0	EPA 8270E	4-4-22	4-4-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2-Chlorophenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Benzyl alcohol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	4-4-22	4-4-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	4-4-22	4-4-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	4-4-22	4-4-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Hexachloroethane	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Nitrobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Isophorone	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2-Nitrophenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
4-Chloroaniline	ND	1.3	EPA 8270E	4-4-22	4-4-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2-Nitroaniline	ND	1.0	EPA 8270E	4-4-22	4-4-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Dimethylphthalate	ND	5.0	EPA 8270E	4-4-22	4-4-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
3-Nitroaniline	ND	1.0	EPA 8270E	4-4-22	4-4-22	



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

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0404W1					
2,4-Dinitrophenol	ND	5.0	EPA 8270E	4-4-22	4-4-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
4-Nitrophenol	ND	5.0	EPA 8270E	4-4-22	4-4-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Dibenzofuran	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Diethylphthalate	ND	1.0	EPA 8270E	4-4-22	4-4-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	4-4-22	4-4-22	
4-Nitroaniline	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Fluorene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	4-4-22	4-4-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	4-4-22	4-4-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	4-4-22	4-4-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Pentachlorophenol	ND	5.0	EPA 8270E	4-4-22	4-4-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
Anthracene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
Carbazole	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	4-4-22	4-4-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
Pyrene	ND	0.10	EPA 8270E/SIM	4-4-22	4-4-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	4-4-22	4-4-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	4-4-22	4-4-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	4-4-22	4-4-22	
Chrysene	ND	0.010	EPA 8270E/SIM	4-4-22	4-4-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	4-4-22	4-4-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	4-4-22	4-4-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	4-4-22	4-4-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	4-4-22	4-4-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	4-4-22	4-4-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	4-4-22	4-4-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	4-4-22	4-4-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	4-4-22	4-4-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	43	10 - 82				
Phenol-d6	31	10 - 92				
Nitrobenzene-d5	66	32 - 105				
2-Fluorobiphenyl	71	38 - 105				
2,4,6-Tribromophenol	95	25 - 124				
Terphenyl-d14	82	42 - 116				



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 Laboratory Reference: 2203-363
 Project: 6694-002-05

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0404W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	13.4	15.0	40.0	40.0	34	38	21 - 53	11	26	
2-Chlorophenol	27.7	30.1	40.0	40.0	69	75	38 - 92	8	28	
1,4-Dichlorobenzene	11.8	13.0	20.0	20.0	59	65	30 - 88	10	32	
n-Nitroso-di-n-propylamine	13.0	14.5	20.0	20.0	65	73	40 - 103	11	27	
1,2,4-Trichlorobenzene	12.7	13.8	20.0	20.0	64	69	37 - 95	8	29	
4-Chloro-3-methylphenol	34.7	36.8	40.0	40.0	87	92	50 - 101	6	17	
Acenaphthene	14.4	15.3	20.0	20.0	72	77	46 - 97	6	19	
4-Nitrophenol	19.5	21.8	40.0	40.0	49	55	23 - 64	11	34	
2,4-Dinitrotoluene	14.2	15.0	20.0	20.0	71	75	46 - 100	5	17	
Pentachlorophenol	56.6	58.3	40.0	40.0	142	146	39 - 123	3	29	I,I
Pyrene	17.4	18.3	20.0	20.0	87	92	52 - 107	5	19	
<i>Surrogate:</i>										
2-Fluorophenol					42	48	10 - 82			
Phenol-d6					36	39	10 - 92			
Nitrobenzene-d5					76	80	32 - 105			
2-Fluorobiphenyl					71	79	38 - 105			
2,4,6-Tribromophenol					99	104	25 - 124			
Terphenyl-d14					87	91	42 - 116			



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W2					
Aroclor 1016	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1221	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1232	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1242	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1248	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1254	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1260	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Surrogate:	Percent Recovery		Control Limits			
DCB	103		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0405W2										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.461	0.496	0.500	0.500	N/A	92	99	73-131	7	12	
Surrogate:											
DCB						106	111	42-140			



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W2					
alpha-BHC	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
beta-BHC	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
delta-BHC	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Heptachlor	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Aldrin	ND	0.0020	EPA 8081B	4-5-22	4-6-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	4-5-22	4-6-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
4,4'-DDE	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endosulfan I	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Dieldrin	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endrin	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
4,4'-DDD	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endosulfan II	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
4,4'-DDT	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Methoxychlor	ND	0.010	EPA 8081B	4-5-22	4-6-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endrin Ketone	ND	0.020	EPA 8081B	4-5-22	4-6-22	
Toxaphene	ND	0.050	EPA 8081B	4-5-22	4-6-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	57	25-114				
DCB	97	30-137				



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	SB	SBD	SB	SBD	Result	Recovery	Limits	Limit			
SPIKE BLANKS											
Laboratory ID:	SB0405W3										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0840	0.0856	0.100	0.100	N/A	84	86	42-113	2	19	
gamma-BHC (Lindane)	0.0840	0.0860	0.100	0.100	N/A	84	86	45-114	2	15	
beta-BHC	0.0805	0.0794	0.100	0.100	N/A	81	79	40-118	1	15	
delta-BHC	0.0949	0.0963	0.100	0.100	N/A	95	96	20-125	1	15	
Heptachlor	0.0778	0.0826	0.100	0.100	N/A	78	83	41-120	6	16	
Aldrin	0.0709	0.0770	0.100	0.100	N/A	71	77	35-115	8	15	
Heptachlor Epoxide	0.0822	0.0815	0.100	0.100	N/A	82	82	50-118	1	15	
gamma-Chlordane	0.0788	0.0803	0.100	0.100	N/A	79	80	46-110	2	15	
alpha-Chlordane	0.0763	0.0773	0.100	0.100	N/A	76	77	38-112	1	15	
4,4'-DDE	0.0811	0.0809	0.100	0.100	N/A	81	81	41-127	0	15	
Endosulfan I	0.0885	0.0887	0.100	0.100	N/A	88	89	45-119	0	15	
Dieldrin	0.0864	0.0868	0.100	0.100	N/A	86	87	46-115	0	15	
Endrin	0.0906	0.0912	0.100	0.100	N/A	91	91	52-124	1	15	
4,4'-DDD	0.0967	0.0965	0.100	0.100	N/A	97	96	52-121	0	15	
Endosulfan II	0.0841	0.0838	0.100	0.100	N/A	84	84	44-114	0	15	
4,4'-DDT	0.0892	0.0863	0.100	0.100	N/A	89	86	48-123	3	15	
Endrin Aldehyde	0.0786	0.0777	0.100	0.100	N/A	79	78	45-114	1	15	
Methoxychlor	0.0861	0.0837	0.100	0.100	N/A	86	84	49-130	3	15	
Endosulfan Sulfate	0.0819	0.0813	0.100	0.100	N/A	82	81	39-117	1	15	
Endrin Ketone	0.0796	0.0793	0.100	0.100	N/A	80	79	53-119	0	15	
Surrogate:											
TCMX						53	58	25-114			
DCB						88	88	30-137			



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0406WH1					
Iron	ND	50	EPA 200.7	4-6-22	4-6-22	
Magnesium	ND	1000	EPA 200.7	4-6-22	4-6-22	
Manganese	ND	10	EPA 200.7	4-6-22	4-6-22	
METHOD BLANK						
Laboratory ID:	MB0406WM1					
Arsenic	ND	3.3	EPA 200.8	4-6-22	4-6-22	
Cadmium	ND	4.4	EPA 200.8	4-6-22	4-6-22	
Chromium	ND	11	EPA 200.8	4-6-22	4-6-22	
Copper	ND	11	EPA 200.8	4-6-22	4-6-22	
Lead	ND	1.1	EPA 200.8	4-6-22	4-6-22	
Nickel	ND	22	EPA 200.8	4-6-22	4-6-22	
Selenium	ND	5.6	EPA 200.8	4-6-22	4-6-22	
Zinc	ND	28	EPA 200.8	4-6-22	4-6-22	
METHOD BLANK						
Laboratory ID:	MB0404W1					
Mercury	ND	0.025	EPA 7470A	4-4-22	4-4-22	



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	Result	Result	Result	Result	Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-363-01									
	ORIG	DUP								
Iron	1900	1870	NA	NA		NA	NA	2	20	
Magnesium	10100	10100	NA	NA		NA	NA	0	20	
Manganese	393	392	NA	NA		NA	NA	0	20	
Laboratory ID:	04-007-01									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID:	03-363-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	03-363-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	23700	24000	20000	20000	1900	109	111	75-125	1	20
Magnesium	31200	32000	20000	20000	10100	106	110	75-125	3	20
Manganese	933	958	500	500	393	108	113	75-125	3	20
Laboratory ID:	04-007-01									
Arsenic	117	104	111	111	ND	106	94	75-125	12	20
Cadmium	109	103	111	111	ND	98	93	75-125	6	20
Chromium	109	97.8	111	111	ND	99	88	75-125	11	20
Copper	106	94.2	111	111	ND	95	85	75-125	12	20
Lead	107	101	111	111	ND	96	91	75-125	6	20
Nickel	106	94.9	111	111	ND	95	86	75-125	11	20
Selenium	117	107	111	111	ND	105	96	75-125	9	20
Zinc	118	106	111	111	ND	107	95	75-125	12	20
Laboratory ID:	03-363-01									
Mercury	6.45	6.40	6.25	6.25	ND	103	102	75-125	1	20



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: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0406D1					
Calcium	ND	1100	EPA 200.7		4-6-22	
Iron	ND	56	EPA 200.7		4-6-22	
Magnesium	ND	1100	EPA 200.7		4-6-22	
Manganese	ND	11	EPA 200.7		4-6-22	
Potassium	ND	1100	EPA 200.7		4-6-22	
Sodium	ND	1100	EPA 200.7		4-6-22	
METHOD BLANK						
Laboratory ID:	MB0404F1					
Arsenic	ND	3.0	EPA 200.8		4-5-22	
Cadmium	ND	4.0	EPA 200.8		4-5-22	
Chromium	ND	10	EPA 200.8		4-5-22	
Copper	ND	10	EPA 200.8		4-5-22	
Lead	ND	1.0	EPA 200.8		4-5-22	
Nickel	ND	20	EPA 200.8		4-5-22	
Selenium	ND	5.0	EPA 200.8		4-5-22	
Zinc	ND	25	EPA 200.8		4-5-22	
METHOD BLANK						
Laboratory ID:	MB0401F1					
Mercury	ND	0.025	EPA 7470A	4-4-22	4-4-22	



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
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**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-363-01									
	ORIG	DUP								
Calcium	18400	18900	NA	NA		NA	NA	2	20	
Iron	329	323	NA	NA		NA	NA	2	20	
Magnesium	9200	9300	NA	NA		NA	NA	1	20	
Manganese	349	353	NA	NA		NA	NA	1	20	
Potassium	2500	2490	NA	NA		NA	NA	0	20	
Sodium	5740	5710	NA	NA		NA	NA	1	20	
Laboratory ID:	04-007-01									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID:	03-363-01									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
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**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		
					Result	Recovery	Limits	RPD	Limit	Flags
MATRIX SPIKES										
Laboratory ID:	03-363-01									
	MS	MSD	MS	MSD		MS	MSD			
Calcium	41700	41700	22200	22200	18400	105	105	75-125	0	20
Iron	25100	25000	22200	22200	329	112	111	75-125	0	20
Magnesium	31900	31900	22200	22200	9200	102	102	75-125	0	20
Manganese	918	922	556	556	349	102	103	75-125	0	20
Potassium	27200	27200	22200	22200	2500	111	111	75-125	0	20
Sodium	28700	28700	22200	22200	5740	104	104	75-125	0	20
Laboratory ID:	04-007-01									
Arsenic	81.4	81.8	80.0	80.0	ND	102	102	75-125	0	20
Cadmium	77.4	77.0	80.0	80.0	ND	97	96	75-125	1	20
Chromium	77.8	78.4	80.0	80.0	ND	97	98	75-125	1	20
Copper	76.2	75.6	80.0	80.0	ND	95	95	75-125	1	20
Lead	77.8	77.0	80.0	80.0	ND	97	96	75-125	1	20
Nickel	76.2	77.4	80.0	80.0	ND	95	97	75-125	2	20
Selenium	86.2	82.6	80.0	80.0	ND	108	103	75-125	4	20
Zinc	81.2	81.0	80.0	80.0	ND	102	101	75-125	0	20
Laboratory ID:	03-363-01									
Mercury	6.48	6.45	6.25	6.25	ND	104	103	75-125	0	20



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0404W1					
Total Alkalinity	ND	2.0	SM 2320B	4-4-22	4-4-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Total Alkalinity	86.0	90.0	NA	NA	NA	5	10	

SPIKE BLANK								
Laboratory ID:	SB0404W1							
	SB	SB		SB				
Total Alkalinity	106	100	NA	106	89-110	NA	NA	



Date of Report: December 15, 2022
 Samples Submitted: December 7, 2022
 Laboratory Reference: 2112-075
 Project: 6694-002-05

**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0404W1					
Bicarbonate	ND	2.0	SM 2320B	4-4-22	4-4-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Bicarbonate	86.0	90.0	NA	NA	NA	5	10	

SPIKE BLANK								
Laboratory ID:	SB0404W1							
	SB	SB		SB				
Bicarbonate	106	100	NA	106	89-110	NA	NA	



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
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 Project: 6694-002-05

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0401W1					
Total Dissolved Solids	ND	13	SM 2540C	4-1-22	4-4-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-366-01							
	ORIG	DUP						
Total Dissolved Solids	127	132	NA	NA	NA	4	29	

SPIKE BLANK								
Laboratory ID:	SB0401W1							
	SB	SB		SB				
Total Dissolved Solids	483	500	NA	97	84-110	NA	NA	



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**CHLORIDE
 SM 4500-Cl E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0406W1					
Chloride	ND	2.0	SM 4500-Cl E	4-6-22	4-6-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Chloride	3.87	4.14	NA	NA	NA	7	15	

MATRIX SPIKE

Laboratory ID:	03-363-01							
	MS	MS		MS				
Chloride	56.4	50.0	3.87	105	86-115	NA	NA	

SPIKE BLANK

Laboratory ID:	SB0406W1							
	SB	SB		SB				
Chloride	52.1	50.0	NA	104	86-115	NA	NA	



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**NITRATE (as Nitrogen)
 EPA 353.2
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Nitrate	ND	0.050	EPA 353.2	4-8-22	4-8-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Nitrate	ND	ND	NA	NA	NA	NA	16	

MATRIX SPIKE								
Laboratory ID:	03-363-01							
	MS	MS		MS				
Nitrate	2.24	2.00	ND	112	92-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0408W1							
	SB	SB		SB				
Nitrate	2.08	2.00	NA	104	90-121	NA	NA	



Date of Report: April 15, 2022
 Samples Submitted: March 31, 2022
 Laboratory Reference: 2203-363
 Project: 6694-002-05

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0401W1					
Sulfate	ND	5.0	ASTM D516-11	4-1-22	4-1-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Sulfate	ND	ND	NA	NA	NA	NA	10	

MATRIX SPIKE

Laboratory ID:	03-363-01							
	MS	MS		MS				
Sulfate	12.0	10.0	ND	120	69-139	NA	NA	

SPIKE BLANK

Laboratory ID:	SB0401W1							
	SB	SB		SB				
Sulfate	10.4	10.0	NA	104	89-117	NA	NA	



Date of Report: April 15, 2022
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 Laboratory Reference: 2203-363
 Project: 6694-002-05

**AMMONIA (as Nitrogen)
 SM 4500-NH₃ D
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W1					
Ammonia	ND	0.050	SM 4500-NH3 D	4-5-22	4-5-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Ammonia	0.214	0.238	NA	NA	NA	11	19	

MATRIX SPIKE								
Laboratory ID:	03-363-01							
	MS	MS		MS				
Ammonia	5.18	5.00	0.214	99	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0405W1							
	SB	SB		SB				
Ammonia	5.00	5.00	NA	100	88-110	NA	NA	





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





3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 03-363

Work Order Number: 2204014

April 15, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 4/1/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

www.fremontanalytical.com



CLIENT: OnSite Environmental Inc
Project: 03-363
Work Order: 2204014

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2204014-001	MW1-220330	03/30/2022 3:30 PM	04/01/2022 1:03 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc

Project: 03-363

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc

Collection Date: 3/30/2022 3:30:00 PM

Project: 03-363

Lab ID: 2204014-001

Matrix: Water

Client Sample ID: MW1-220330

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 36002

Analyst: SB

Dicamba	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
2,4-D	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
2,4-DP	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
2,4,5-TP (Silvex)	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
2,4,5-T	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
Dinoseb	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
Dalapon	ND	1.98		µg/L	1	4/7/2022 5:21:54 PM
2,4-DB	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
MCPP	ND	4.96		µg/L	1	4/7/2022 5:21:54 PM
MCPA	ND	4.96		µg/L	1	4/7/2022 5:21:54 PM
Picloram	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
Bentazon	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
Chloramben	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
Acifluorfen	ND	4.96		µg/L	1	4/7/2022 5:21:54 PM
3,5-Dichlorobenzoic acid	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
4-Nitrophenol	ND	0.991		µg/L	1	4/7/2022 5:21:54 PM
Dacthal (DCPA)	ND	1.98		µg/L	1	4/7/2022 5:21:54 PM
Surr: 2,4-Dichlorophenylacetic acid	113	65.7 - 136		%Rec	1	4/7/2022 5:21:54 PM

Work Order: 2204014
 CLIENT: OnSite Environmental Inc
 Project: 03-363

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-36002	SampType: MBLK	Units: µg/L	Prep Date: 4/5/2022	RunNo: 74678							
Client ID: MBLKW	Batch ID: 36002		Analysis Date: 4/7/2022	SeqNo: 1532325							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	1.00									
2,4-D	ND	1.00									
2,4-DP	ND	1.00									
2,4,5-TP (Silvex)	ND	1.00									
2,4,5-T	ND	1.00									
Dinoseb	ND	1.00									
Dalapon	ND	2.00									
2,4-DB	ND	1.00									
MCPP	ND	5.00									
MCPA	ND	5.00									
Picloram	ND	1.00									
Bentazon	ND	1.00									
Chloramben	ND	1.00									
Acifluorfen	ND	5.00									
3,5-Dichlorobenzoic acid	ND	1.00									
4-Nitrophenol	ND	1.00									
Dacthal (DCPA)	ND	2.00									
Surr: 2,4-Dichlorophenylacetic acid	20.8		20.00		104	65.7	136				

Sample ID: LCS-36002	SampType: LCS	Units: µg/L	Prep Date: 4/5/2022	RunNo: 74678							
Client ID: LCSW	Batch ID: 36002		Analysis Date: 4/7/2022	SeqNo: 1532326							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	4.22	1.00	4.000	0	106	16.6	148				
2,4-D	4.30	1.00	4.000	0	108	50.4	150				
2,4-DP	3.83	1.00	4.000	0	95.7	53	135				
2,4,5-TP (Silvex)	4.20	1.00	4.000	0	105	53.6	140				
2,4,5-T	4.13	1.00	4.000	0	103	50	141				
Dinoseb	3.26	1.00	4.000	0	81.5	5	119				
Dalapon	16.2	2.00	20.00	0	81.2	5.65	97.2				

Work Order: 2204014
 CLIENT: OnSite Environmental Inc
 Project: 03-363

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-36002	SampType: LCS	Units: µg/L				Prep Date: 4/5/2022	RunNo: 74678				
Client ID: LCSW	Batch ID: 36002					Analysis Date: 4/7/2022	SeqNo: 1532326				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.74	1.00	4.000	0	93.6	54.9	141				
MCPP	20.8	5.00	20.00	0	104	28.7	166				
MCPA	20.8	5.00	20.00	0	104	20.7	176				
Picloram	2.91	1.00	4.000	0	72.9	9.72	120				
Bentazon	4.12	1.00	4.000	0	103	41.2	141				
Chloramben	2.99	1.00	4.000	0	74.7	5	109				
Acifluorfen	3.42	5.00	4.000	0	85.5	7.62	139				
3,5-Dichlorobenzoic acid	4.27	1.00	4.000	0	107	52.4	120				
4-Nitrophenol	2.97	1.00	4.000	0	74.2	5	107				
Dacthal (DCPA)	2.29	2.00	4.000	0	57.3	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	25.1		20.00		125	65.7	136				

Sample ID: LCS-D-36002	SampType: LCS-D	Units: µg/L				Prep Date: 4/5/2022	RunNo: 74678				
Client ID: LCSW02	Batch ID: 36002					Analysis Date: 4/7/2022	SeqNo: 1532327				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	4.63	1.00	4.000	0	116	16.6	148	4.224	9.20	30	
2,4-D	4.70	1.00	4.000	0	118	50.4	150	4.303	8.86	30	
2,4-DP	4.19	1.00	4.000	0	105	53	135	3.827	9.09	30	
2,4,5-TP (Silvex)	4.60	1.00	4.000	0	115	53.6	140	4.200	9.03	30	
2,4,5-T	4.51	1.00	4.000	0	113	50	141	4.135	8.75	30	
Dinoseb	3.87	1.00	4.000	0	96.7	5	119	3.259	17.1	30	
Dalapon	17.1	2.00	20.00	0	85.4	5.65	97.2	16.23	5.06	30	
2,4-DB	4.09	1.00	4.000	0	102	54.9	141	3.743	8.97	30	
MCPP	23.0	5.00	20.00	0	115	28.7	166	20.84	9.93	30	
MCPA	23.0	5.00	20.00	0	115	20.7	176	20.79	10.1	30	
Picloram	3.01	1.00	4.000	0	75.3	9.72	120	2.914	3.28	30	
Bentazon	4.33	1.00	4.000	0	108	41.2	141	4.124	4.86	30	
Chloramben	2.49	1.00	4.000	0	62.2	5	109	2.986	18.2	30	
Acifluorfen	3.81	5.00	4.000	0	95.3	7.62	139	3.420	10.8	30	

Work Order: 2204014
 CLIENT: OnSite Environmental Inc
 Project: 03-363

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS D-36002	SampType: LCS D	Units: µg/L	Prep Date: 4/5/2022	RunNo: 74678							
Client ID: LCS W02	Batch ID: 36002		Analysis Date: 4/7/2022	SeqNo: 1532327							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	4.56	1.00	4.000	0	114	52.4	120	4.271	6.60	30	
4-Nitrophenol	0.868	1.00	4.000	0	21.7	5	107	2.969	110	30	R
Dacthal (DCPA)	2.38	2.00	4.000	0	59.5	5	65.4	2.292	3.70	30	
Surr: 2,4-Dichlorophenylacetic acid	25.6		20.00		128	65.7	136		0		

NOTES:

R - High RPD observed, spike recovery is within range.

Sample ID: 2204014-001AMS	SampType: MS	Units: µg/L	Prep Date: 4/5/2022	RunNo: 74678							
Client ID: MW1-220330	Batch ID: 36002		Analysis Date: 4/7/2022	SeqNo: 1532329							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.91	0.993	3.973	0	98.5	31	142				
2,4-D	3.94	0.993	3.973	0	99.1	50.3	149				
2,4-DP	3.55	0.993	3.973	0	89.3	49.9	143				
2,4,5-TP (Silvex)	3.83	0.993	3.973	0	96.4	47.7	141				
2,4,5-T	3.83	0.993	3.973	0	96.3	34.4	139				
Dinoseb	3.04	0.993	3.973	0	76.5	27.3	117				
Dalapon	14.2	1.99	19.86	0	71.7	14.2	113				
2,4-DB	3.46	0.993	3.973	0	87.1	31.3	147				
MCP P	18.0	4.97	19.86	0	90.7	30.5	177				
MCP A	17.9	4.97	19.86	0	90.1	36.8	163				
Picloram	2.47	0.993	3.973	0	62.3	18.8	115				
Bentazon	3.72	0.993	3.973	0	93.6	11.9	176				
Chloramben	2.37	0.993	3.973	0	59.5	5	112				
Acifluorfen	3.06	4.97	3.973	0	77.1	28.1	146				
3,5-Dichlorobenzoic acid	3.87	0.993	3.973	0	97.4	36.2	146				
4-Nitrophenol	2.60	0.993	3.973	0	65.5	5	116				
Dacthal (DCPA)	2.00	1.99	3.973	0	50.3	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	22.0		19.86		111	65.7	136				

Client Name: ONSITE	Work Order Number: 2204014
Logged by: Clare Griggs	Date Received: 4/1/2022 1:03:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input style="width: 95%;" type="text"/>	Date:	<input style="width: 95%;" type="text"/>
By Whom:	<input style="width: 95%;" type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input style="width: 95%;" type="text"/>		
Client Instructions:	<input style="width: 95%;" type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



MVA Onsite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3981 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

_____ (other)

Laboratory Number: **03-363**

Company: SEI
 Project Number: 6694-002-05
 Project Name: Gr East
 Project Manager: Garrett Leaver
 Sampled by: [Signature]

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	<u>AW1 - 220330</u>	<u>3/3/12</u>	<u>1530</u>	<u>AW</u>	<u>20</u>

Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>)	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up <input type="checkbox"/>)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	TDS	T/D metals *	Alk, Bicarb	Diss. Ca, Na, K	% Moisture
			X	X	X			X	X	X	X	X						X	X	X	X	X

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>SEI</u>	<u>3/3/12</u>	<u>1400</u>	<u>Grant to email complete list</u>
<u>[Signature]</u>	<u>Alpha</u>	<u>3/3/12</u>	<u>14:00</u>	<u>* Metals: As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Zn, Mg.</u>
<u>[Signature]</u>	<u>Alpha</u>	<u>3/3/12</u>	<u>4:23</u>	<u>x- Added 4/1 NB (STA)</u>
<u>[Signature]</u>	<u>SEI</u>	<u>3/3/12</u>	<u>1623</u>	

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



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

April 13, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2204-036

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on April 5, 2022.

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 stroke 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: April 13, 2022
Samples Submitted: April 5, 2022
Laboratory Reference: 2204-036
Project: 6694-002-05 T700

Case Narrative

Samples were collected on April 4, 2022 and received by the laboratory on April 5, 2022. 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.

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.

Nitrate EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot from each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

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: April 13, 2022
Samples Submitted: April 5, 2022
Laboratory Reference: 2204-036
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW-10-20220404	04-036-01	Water	4-4-22	4-5-22	
MW-9-20220404	04-036-02	Water	4-4-22	4-5-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**GASOLINE RANGE ORGANICS
 NWTPH-Gx**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Gasoline	ND	100	NWTPH-Gx	4-7-22	4-7-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-117				
Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Gasoline	ND	100	NWTPH-Gx	4-7-22	4-7-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-117				



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**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-10-20220404					
Laboratory ID:	04-036-01					
Diesel Range Organics	ND	0.16	NWTPH-Dx	4-8-22	4-8-22	
Lube Oil Range Organics	0.22	0.22	NWTPH-Dx	4-8-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				
Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Diesel Range Organics	0.20	0.16	NWTPH-Dx	4-8-22	4-8-22	
Lube Oil Range Organics	0.25	0.21	NWTPH-Dx	4-8-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Dichlorodifluoromethane	ND	0.29	EPA 8260D	4-5-22	4-5-22	
Chloromethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Vinyl Chloride	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromomethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Chloroethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Acetone	ND	5.0	EPA 8260D	4-5-22	4-5-22	
Iodomethane	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-22	4-5-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-22	4-5-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Butanone	ND	5.0	EPA 8260D	4-5-22	4-5-22	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Chloroform	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Benzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Trichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Dibromomethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Toluene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Hexanone	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-22	4-5-22	
o-Xylene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Styrene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromoform	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Isopropylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
n-Propylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
p-Isopropyltoluene	0.37	0.20	EPA 8260D	4-5-22	4-5-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
n-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Naphthalene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-125</i>				



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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Dichlorodifluoromethane	ND	0.29	EPA 8260D	4-5-22	4-5-22	
Chloromethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Vinyl Chloride	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromomethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Chloroethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Acetone	ND	5.0	EPA 8260D	4-5-22	4-5-22	
Iodomethane	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-22	4-5-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-22	4-5-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Butanone	ND	5.0	EPA 8260D	4-5-22	4-5-22	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Chloroform	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Benzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Trichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Dibromomethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Toluene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Hexanone	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-22	4-5-22	
o-Xylene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Styrene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromoform	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Isopropylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
n-Propylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
n-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Naphthalene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>78-125</i>				



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 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

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-10-20220404					
Laboratory ID:	04-036-01					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Pyridine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Phenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Aniline	ND	5.1	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Chlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzyl alcohol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	4-7-22	4-7-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachloroethane	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Nitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Isophorone	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Nitrophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4-Chloroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Dimethylphthalate	ND	5.1	EPA 8270E	4-7-22	4-7-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
3-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	



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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
2,4-Dinitrophenol	ND	5.1	EPA 8270E	4-7-22	4-7-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4-Nitrophenol	ND	5.1	EPA 8270E	4-7-22	4-7-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Dibenzofuran	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Diethylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Fluorene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4,6-Dinitro-2-methylphenol	ND	5.1	EPA 8270E	4-7-22	4-7-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Pentachlorophenol	ND	5.1	EPA 8270E	4-7-22	4-7-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Anthracene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Carbazole	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Di-n-butylphthalate	ND	5.1	EPA 8270E	4-7-22	4-7-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Pyrene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis-2-Ethylhexyladipate	ND	5.1	EPA 8270E	4-7-22	4-7-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Chrysene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
bis(2-Ethylhexyl)phthalate	ND	5.1	EPA 8270E	4-7-22	4-7-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	42	10 - 82				
Phenol-d6	32	10 - 92				
Nitrobenzene-d5	64	32 - 105				
2-Fluorobiphenyl	70	38 - 105				
2,4,6-Tribromophenol	87	25 - 124				
Terphenyl-d14	72	42 - 116				



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

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-9-20220404					
Laboratory ID:	04-036-02					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Pyridine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Phenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Aniline	ND	5.2	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Chlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzyl alcohol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	4-7-22	4-7-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachloroethane	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Nitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Isophorone	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Nitrophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4-Chloroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Dimethylphthalate	ND	5.2	EPA 8270E	4-7-22	4-7-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
3-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
2,4-Dinitrophenol	ND	5.2	EPA 8270E	4-7-22	4-7-22	
Acenaphthene	0.46	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4-Nitrophenol	ND	5.2	EPA 8270E	4-7-22	4-7-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Dibenzofuran	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Diethylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Fluorene	0.12	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4,6-Dinitro-2-methylphenol	ND	5.2	EPA 8270E	4-7-22	4-7-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Pentachlorophenol	ND	5.2	EPA 8270E	4-7-22	4-7-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Anthracene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Carbazole	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Di-n-butylphthalate	ND	5.2	EPA 8270E	4-7-22	4-7-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Pyrene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis(2-Ethylhexyl)adipate	ND	5.2	EPA 8270E	4-7-22	4-7-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Chrysene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
bis(2-Ethylhexyl)phthalate	ND	5.2	EPA 8270E	4-7-22	4-7-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	44	10 - 82				
Phenol-d6	32	10 - 92				
Nitrobenzene-d5	63	32 - 105				
2-Fluorobiphenyl	69	38 - 105				
2,4,6-Tribromophenol	83	25 - 124				
Terphenyl-d14	72	42 - 116				



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Aroclor 1016	ND	0.054	EPA 8082A	4-5-22	4-8-22	
Aroclor 1221	ND	0.054	EPA 8082A	4-5-22	4-8-22	
Aroclor 1232	ND	0.054	EPA 8082A	4-5-22	4-8-22	
Aroclor 1242	ND	0.054	EPA 8082A	4-5-22	4-8-22	
Aroclor 1248	ND	0.054	EPA 8082A	4-5-22	4-8-22	
Aroclor 1254	ND	0.054	EPA 8082A	4-5-22	4-8-22	
Aroclor 1260	ND	0.054	EPA 8082A	4-5-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	106	42-140				

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Aroclor 1016	ND	0.055	EPA 8082A	4-5-22	4-8-22	
Aroclor 1221	ND	0.055	EPA 8082A	4-5-22	4-8-22	
Aroclor 1232	ND	0.055	EPA 8082A	4-5-22	4-8-22	
Aroclor 1242	ND	0.055	EPA 8082A	4-5-22	4-8-22	
Aroclor 1248	ND	0.055	EPA 8082A	4-5-22	4-8-22	
Aroclor 1254	ND	0.055	EPA 8082A	4-5-22	4-8-22	
Aroclor 1260	ND	0.055	EPA 8082A	4-5-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	111	42-140				



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
alpha-BHC	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
gamma-BHC (Lindane)	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
beta-BHC	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
delta-BHC	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
Heptachlor	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
Aldrin	ND	0.0022	EPA 8081B	4-5-22	4-6-22	
Heptachlor Epoxide	ND	0.0033	EPA 8081B	4-5-22	4-6-22	
gamma-Chlordane	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
alpha-Chlordane	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
4,4'-DDE	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
Endosulfan I	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
Dieldrin	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
Endrin	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
4,4'-DDD	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
Endosulfan II	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
4,4'-DDT	ND	0.0054	EPA 8081B	4-5-22	4-6-22	Y1
Endrin Aldehyde	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
Methoxychlor	0.029	0.011	EPA 8081B	4-5-22	4-6-22	
Endosulfan Sulfate	ND	0.0054	EPA 8081B	4-5-22	4-6-22	
Endrin Ketone	ND	0.022	EPA 8081B	4-5-22	4-6-22	
Toxaphene	ND	0.054	EPA 8081B	4-5-22	4-6-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	68	25-114				
DCB	87	30-137				



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
alpha-BHC	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
gamma-BHC (Lindane)	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
beta-BHC	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
delta-BHC	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
Heptachlor	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
Aldrin	ND	0.0022	EPA 8081B	4-5-22	4-6-22	
Heptachlor Epoxide	ND	0.0033	EPA 8081B	4-5-22	4-6-22	
gamma-Chlordane	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
alpha-Chlordane	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
4,4'-DDE	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
Endosulfan I	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
Dieldrin	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
Endrin	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
4,4'-DDD	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
Endosulfan II	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
4,4'-DDT	ND	0.0055	EPA 8081B	4-5-22	4-6-22	Y1
Endrin Aldehyde	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
Methoxychlor	ND	0.011	EPA 8081B	4-5-22	4-6-22	
Endosulfan Sulfate	ND	0.0055	EPA 8081B	4-5-22	4-6-22	
Endrin Ketone	ND	0.022	EPA 8081B	4-5-22	4-6-22	
Toxaphene	ND	0.055	EPA 8081B	4-5-22	4-6-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	71	25-114				
DCB	89	30-137				



Date of Report: April 13, 2022
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 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Arsenic	4.3	3.3	EPA 200.8	4-6-22	4-6-22	
Cadmium	ND	4.4	EPA 200.8	4-6-22	4-6-22	
Chromium	ND	11	EPA 200.8	4-6-22	4-6-22	
Copper	ND	11	EPA 200.8	4-6-22	4-6-22	
Iron	6800	50	EPA 200.7	4-6-22	4-6-22	
Lead	4.5	1.1	EPA 200.8	4-6-22	4-6-22	
Magnesium	23000	1000	EPA 200.7	4-6-22	4-6-22	
Manganese	320	10	EPA 200.7	4-6-22	4-6-22	
Mercury	ND	0.025	EPA 7470A	4-7-22	4-7-22	
Nickel	ND	22	EPA 200.8	4-6-22	4-6-22	
Selenium	ND	5.6	EPA 200.8	4-6-22	4-6-22	
Zinc	ND	28	EPA 200.8	4-6-22	4-6-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Arsenic	ND	3.3	EPA 200.8	4-6-22	4-6-22	
Cadmium	ND	4.4	EPA 200.8	4-6-22	4-6-22	
Chromium	ND	11	EPA 200.8	4-6-22	4-6-22	
Copper	ND	11	EPA 200.8	4-6-22	4-6-22	
Iron	5100	50	EPA 200.7	4-6-22	4-6-22	
Lead	2.5	1.1	EPA 200.8	4-6-22	4-6-22	
Magnesium	30000	1000	EPA 200.7	4-6-22	4-6-22	
Manganese	1500	10	EPA 200.7	4-6-22	4-6-22	
Mercury	ND	0.025	EPA 7470A	4-7-22	4-7-22	
Nickel	ND	22	EPA 200.8	4-6-22	4-6-22	
Selenium	ND	5.6	EPA 200.8	4-6-22	4-6-22	
Zinc	ND	28	EPA 200.8	4-6-22	4-6-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

DISSOLVED METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Arsenic	ND	3.0	EPA 200.8	4-5-22	4-5-22	
Cadmium	ND	4.0	EPA 200.8	4-5-22	4-5-22	
Calcium	48000	1100	EPA 200.7	4-5-22	4-6-22	
Chromium	ND	10	EPA 200.8	4-5-22	4-5-22	
Copper	ND	10	EPA 200.8	4-5-22	4-5-22	
Iron	100	56	EPA 200.7	4-5-22	4-6-22	
Lead	ND	1.0	EPA 200.8	4-5-22	4-5-22	
Magnesium	18000	1100	EPA 200.7	4-5-22	4-6-22	
Manganese	200	11	EPA 200.7	4-5-22	4-6-22	
Mercury	ND	0.025	EPA 7470A	4-5-22	4-7-22	
Nickel	ND	20	EPA 200.8	4-5-22	4-5-22	
Potassium	4300	1100	EPA 200.7	4-5-22	4-6-22	
Selenium	ND	5.0	EPA 200.8	4-5-22	4-5-22	
Sodium	8200	1100	EPA 200.7	4-5-22	4-6-22	
Zinc	ND	25	EPA 200.8	4-5-22	4-5-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Arsenic	ND	3.0	EPA 200.8	4-5-22	4-5-22	
Cadmium	ND	4.0	EPA 200.8	4-5-22	4-5-22	
Calcium	110000	5000	EPA 200.7	4-5-22	4-6-22	
Chromium	ND	10	EPA 200.8	4-5-22	4-5-22	
Copper	ND	10	EPA 200.8	4-5-22	4-5-22	
Iron	ND	56	EPA 200.7	4-5-22	4-6-22	
Lead	ND	1.0	EPA 200.8	4-5-22	4-5-22	
Magnesium	26000	1100	EPA 200.7	4-5-22	4-6-22	
Manganese	1300	11	EPA 200.7	4-5-22	4-6-22	
Mercury	ND	0.025	EPA 7470A	4-5-22	4-7-22	
Nickel	ND	20	EPA 200.8	4-5-22	4-5-22	
Potassium	6900	1100	EPA 200.7	4-5-22	4-6-22	
Selenium	ND	5.0	EPA 200.8	4-5-22	4-5-22	
Sodium	14000	1100	EPA 200.7	4-5-22	4-6-22	
Zinc	ND	25	EPA 200.8	4-5-22	4-5-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**TOTAL ALKALINITY
 SM 2320B**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Total Alkalinity	170	2.0	SM 2320B	4-7-22	4-7-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Total Alkalinity	390	2.0	SM 2320B	4-7-22	4-7-22	



Date of Report: December 15, 2022
 Samples Submitted: December 7, 2022
 Laboratory Reference: 2112-075
 Project: 6694-002-05 T700

**BICARBONATE
 SM 2320B**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Bicarbonate	170	2.0	SM 2320B	4-7-22	4-7-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Bicarbonate	390	2.0	SM 2320B	4-7-22	4-7-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Total Dissolved Solids	270	13	SM 2540C	4-6-22	4-7-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Total Dissolved Solids	460	13	SM 2540C	4-6-22	4-7-22	



Date of Report: April 13, 2022
Samples Submitted: April 5, 2022
Laboratory Reference: 2204-036
Project: 6694-002-05 T700

**CHLORIDE
SM 4500-Cl E**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Chloride	6.1	2.0	SM 4500-Cl E	4-6-22	4-6-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Chloride	6.7	2.0	SM 4500-Cl E	4-6-22	4-6-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Nitrate	0.18	0.050	EPA 353.2	4-8-22	4-8-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Nitrate	0.066	0.050	EPA 353.2	4-8-22	4-8-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
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SULFATE
ASTM D516-11

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Sulfate	48	10	ASTM D516-11	4-8-22	4-8-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Sulfate	25	10	ASTM D516-11	4-8-22	4-8-22	



Date of Report: April 13, 2022
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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-10-20220404					
Laboratory ID:	04-036-01					
Ammonia	ND	0.050	SM 4500-NH3 D	4-5-22	4-5-22	

Client ID:	MW-9-20220404					
Laboratory ID:	04-036-02					
Ammonia	1.8	0.050	SM 4500-NH3 D	4-5-22	4-5-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**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:	MB0407W1					
Gasoline	ND	100	NWTPH-Gx	4-7-22	4-7-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-036-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				95	95	66-117		



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**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:	MB0408W1					
Diesel Range Organics	ND	0.080	NWTPH-Dx	4-8-22	4-8-22	
Lube Oil Range Organics	ND	0.16	NWTPH-Dx	4-8-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-017-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				98	90	50-150		



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W1					
Dichlorodifluoromethane	ND	0.29	EPA 8260D	4-5-22	4-5-22	
Chloromethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Vinyl Chloride	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromomethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Chloroethane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Acetone	ND	5.0	EPA 8260D	4-5-22	4-5-22	
Iodomethane	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-22	4-5-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-22	4-5-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Butanone	ND	5.0	EPA 8260D	4-5-22	4-5-22	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Chloroform	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Benzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Trichloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Dibromomethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Toluene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-22	4-5-22	



Date of Report: April 13, 2022
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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Hexanone	ND	2.0	EPA 8260D	4-5-22	4-5-22	
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-22	4-5-22	
o-Xylene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Styrene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromoform	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Isopropylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Bromobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-22	4-5-22	
n-Propylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
n-Butylbenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-22	4-5-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
Naphthalene	ND	1.0	EPA 8260D	4-5-22	4-5-22	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	4-5-22	4-5-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-125</i>				



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0405W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.1	10.1	10.0	10.0	101	101	78-125	0	19	
Benzene	10.4	10.5	10.0	10.0	104	105	80-119	1	16	
Trichloroethene	10.3	10.0	10.0	10.0	103	100	80-121	3	18	
Toluene	8.92	9.16	10.0	10.0	89	92	80-117	3	18	
Chlorobenzene	10.4	10.2	10.0	10.0	104	102	80-117	2	17	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					106	112	75-127			
<i>Toluene-d8</i>					99	101	80-127			
<i>4-Bromofluorobenzene</i>					88	106	78-125			



Date of Report: April 13, 2022
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 Project: 6694-002-05 T700

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

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0407W1					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Pyridine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Phenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Aniline	ND	5.0	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Chlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzyl alcohol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	4-7-22	4-7-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachloroethane	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Nitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Isophorone	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Nitrophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4-Chloroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Dimethylphthalate	ND	5.0	EPA 8270E	4-7-22	4-7-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
3-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	



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

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0407W1					
2,4-Dinitrophenol	ND	5.0	EPA 8270E	4-7-22	4-7-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4-Nitrophenol	ND	5.0	EPA 8270E	4-7-22	4-7-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Dibenzofuran	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Diethylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Nitroaniline	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Fluorene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	4-7-22	4-7-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Pentachlorophenol	ND	5.0	EPA 8270E	4-7-22	4-7-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Anthracene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Carbazole	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	4-7-22	4-7-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Pyrene	ND	0.10	EPA 8270E/SIM	4-7-22	4-7-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	4-7-22	4-7-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Chrysene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	4-7-22	4-7-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	4-7-22	4-7-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	4-7-22	4-7-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	48	10 - 82				
Phenol-d6	36	10 - 92				
Nitrobenzene-d5	67	32 - 105				
2-Fluorobiphenyl	71	38 - 105				
2,4,6-Tribromophenol	93	25 - 124				
Terphenyl-d14	75	42 - 116				



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limit			
SPIKE BLANKS										
Laboratory ID:	SB0407W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	14.1	13.2	40.0	40.0	35	33	21 - 53	7	26	
2-Chlorophenol	24.9	22.1	40.0	40.0	62	55	38 - 92	12	28	
1,4-Dichlorobenzene	11.5	8.41	20.0	20.0	58	42	30 - 88	31	32	
n-Nitroso-di-n-propylamine	13.8	11.5	20.0	20.0	69	58	40 - 103	18	27	
1,2,4-Trichlorobenzene	13.1	10.9	20.0	20.0	66	55	37 - 95	18	29	
4-Chloro-3-methylphenol	29.0	29.7	40.0	40.0	73	74	50 - 101	2	17	
Acenaphthene	15.3	14.6	20.0	20.0	77	73	46 - 97	5	19	
4-Nitrophenol	18.0	17.8	40.0	40.0	45	45	23 - 64	1	34	
2,4-Dinitrotoluene	16.7	16.3	20.0	20.0	84	82	46 - 100	2	17	
Pentachlorophenol	40.7	39.6	40.0	40.0	102	99	39 - 123	3	29	
Pyrene	15.4	15.9	20.0	20.0	77	80	52 - 107	3	19	
<i>Surrogate:</i>										
2-Fluorophenol					42	36	10 - 82			
Phenol-d6					34	32	10 - 92			
Nitrobenzene-d5					67	54	32 - 105			
2-Fluorobiphenyl					73	69	38 - 105			
2,4,6-Tribromophenol					91	89	25 - 124			
Terphenyl-d14					73	76	42 - 116			



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W2					
Aroclor 1016	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1221	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1232	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1242	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1248	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1254	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Aroclor 1260	ND	0.050	EPA 8082A	4-5-22	4-6-22	
Surrogate:	Percent Recovery		Control Limits			
DCB	103		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0405W2										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.461	0.496	0.500	0.500	N/A	92	99	73-131	7	12	
Surrogate:											
DCB						106	111	42-140			



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W2					
alpha-BHC	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
beta-BHC	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
delta-BHC	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Heptachlor	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Aldrin	ND	0.0020	EPA 8081B	4-5-22	4-6-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	4-5-22	4-6-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
4,4'-DDE	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endosulfan I	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Dieldrin	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endrin	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
4,4'-DDD	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endosulfan II	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
4,4'-DDT	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Methoxychlor	ND	0.010	EPA 8081B	4-5-22	4-6-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	4-5-22	4-6-22	
Endrin Ketone	ND	0.020	EPA 8081B	4-5-22	4-6-22	
Toxaphene	ND	0.050	EPA 8081B	4-5-22	4-6-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	57	25-114				
DCB	97	30-137				



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent		Recovery	RPD	RPD	Flags
	SB	SBD	SB	SBD	Result	Recovery	Limits	Limit			
SPIKE BLANKS											
Laboratory ID:	SB0405W3										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0840	0.0856	0.100	0.100	N/A	84	86	42-113	2	19	
gamma-BHC (Lindane)	0.0840	0.0860	0.100	0.100	N/A	84	86	45-114	2	15	
beta-BHC	0.0805	0.0794	0.100	0.100	N/A	81	79	40-118	1	15	
delta-BHC	0.0949	0.0963	0.100	0.100	N/A	95	96	20-125	1	15	
Heptachlor	0.0778	0.0826	0.100	0.100	N/A	78	83	41-120	6	16	
Aldrin	0.0709	0.0770	0.100	0.100	N/A	71	77	35-115	8	15	
Heptachlor Epoxide	0.0822	0.0815	0.100	0.100	N/A	82	82	50-118	1	15	
gamma-Chlordane	0.0788	0.0803	0.100	0.100	N/A	79	80	46-110	2	15	
alpha-Chlordane	0.0763	0.0773	0.100	0.100	N/A	76	77	38-112	1	15	
4,4'-DDE	0.0811	0.0809	0.100	0.100	N/A	81	81	41-127	0	15	
Endosulfan I	0.0885	0.0887	0.100	0.100	N/A	88	89	45-119	0	15	
Dieldrin	0.0864	0.0868	0.100	0.100	N/A	86	87	46-115	0	15	
Endrin	0.0906	0.0912	0.100	0.100	N/A	91	91	52-124	1	15	
4,4'-DDD	0.0967	0.0965	0.100	0.100	N/A	97	96	52-121	0	15	
Endosulfan II	0.0841	0.0838	0.100	0.100	N/A	84	84	44-114	0	15	
4,4'-DDT	0.0892	0.0863	0.100	0.100	N/A	89	86	48-123	3	15	
Endrin Aldehyde	0.0786	0.0777	0.100	0.100	N/A	79	78	45-114	1	15	
Methoxychlor	0.0861	0.0837	0.100	0.100	N/A	86	84	49-130	3	15	
Endosulfan Sulfate	0.0819	0.0813	0.100	0.100	N/A	82	81	39-117	1	15	
Endrin Ketone	0.0796	0.0793	0.100	0.100	N/A	80	79	53-119	0	15	
Surrogate:											
TCMX						53	58	25-114			
DCB						88	88	30-137			



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0406WH1					
Iron	ND	50	EPA 200.7	4-6-22	4-6-22	
Magnesium	ND	1000	EPA 200.7	4-6-22	4-6-22	
Manganese	ND	10	EPA 200.7	4-6-22	4-6-22	
METHOD BLANK						
Laboratory ID:	MB0406WM1					
Arsenic	ND	3.3	EPA 200.8	4-6-22	4-6-22	
Cadmium	ND	4.4	EPA 200.8	4-6-22	4-6-22	
Chromium	ND	11	EPA 200.8	4-6-22	4-6-22	
Copper	ND	11	EPA 200.8	4-6-22	4-6-22	
Lead	ND	1.1	EPA 200.8	4-6-22	4-6-22	
Nickel	ND	22	EPA 200.8	4-6-22	4-6-22	
Selenium	ND	5.6	EPA 200.8	4-6-22	4-6-22	
Zinc	ND	28	EPA 200.8	4-6-22	4-6-22	
METHOD BLANK						
Laboratory ID:	MB0407W1					
Mercury	ND	0.025	EPA 7470A	4-7-22	4-7-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID:	03-363-01									
	ORIG	DUP								
Iron	1900	1870	NA	NA		NA	NA	2	20	
Magnesium	10100	10100	NA	NA		NA	NA	0	20	
Manganese	393	392	NA	NA		NA	NA	0	20	
Laboratory ID:	04-007-01									
Arsenic	ND	ND	NA	NA		NA	NA	NA	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID:	04-036-02									
Mercury	ND	ND	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	03-363-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	23700	24000	20000	20000	1900	109	111	75-125	1	20
Magnesium	31200	32000	20000	20000	10100	106	110	75-125	3	20
Manganese	933	958	500	500	393	108	113	75-125	3	20
Laboratory ID:	04-007-01									
Arsenic	117	104	111	111	ND	106	94	75-125	12	20
Cadmium	109	103	111	111	ND	98	93	75-125	6	20
Chromium	109	97.8	111	111	ND	99	88	75-125	11	20
Copper	106	94.2	111	111	ND	95	85	75-125	12	20
Lead	107	101	111	111	ND	96	91	75-125	6	20
Nickel	106	94.9	111	111	ND	95	86	75-125	11	20
Selenium	117	107	111	111	ND	105	96	75-125	9	20
Zinc	118	106	111	111	ND	107	95	75-125	12	20
Laboratory ID:	04-036-02									
Mercury	6.55	6.63	6.25	6.25	ND	105	106	75-125	1	20



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

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Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405F1					
Calcium	ND	1100	EPA 200.7	4-5-22	4-6-22	
Iron	ND	56	EPA 200.7	4-5-22	4-6-22	
Magnesium	ND	1100	EPA 200.7	4-5-22	4-6-22	
Manganese	ND	11	EPA 200.7	4-5-22	4-6-22	
Potassium	ND	1100	EPA 200.7	4-5-22	4-6-22	
Sodium	ND	1100	EPA 200.7	4-5-22	4-6-22	
METHOD BLANK						
Laboratory ID:	MB0405F1					
Arsenic	ND	3.0	EPA 200.8	4-5-22	4-5-22	
Cadmium	ND	4.0	EPA 200.8	4-5-22	4-5-22	
Chromium	ND	10	EPA 200.8	4-5-22	4-5-22	
Copper	ND	10	EPA 200.8	4-5-22	4-5-22	
Lead	ND	1.0	EPA 200.8	4-5-22	4-5-22	
Nickel	ND	20	EPA 200.8	4-5-22	4-5-22	
Selenium	ND	5.0	EPA 200.8	4-5-22	4-5-22	
Zinc	ND	25	EPA 200.8	4-5-22	4-5-22	
METHOD BLANK						
Laboratory ID:	MB0405F1					
Mercury	ND	0.025	EPA 7470A	4-5-22	4-7-22	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Calcium	18400	18900	NA	NA	NA	NA	2	20
Iron	329	323	NA	NA	NA	NA	2	20
Magnesium	9200	9320	NA	NA	NA	NA	1	20
Manganese	349	353	NA	NA	NA	NA	1	20
Potassium	2500	2490	NA	NA	NA	NA	0	20
Sodium	5740	5710	NA	NA	NA	NA	1	20

Laboratory ID:	04-007-01							
Arsenic	ND	ND	NA	NA	NA	NA	NA	20
Cadmium	ND	ND	NA	NA	NA	NA	NA	20
Chromium	ND	ND	NA	NA	NA	NA	NA	20
Copper	ND	ND	NA	NA	NA	NA	NA	20
Lead	ND	ND	NA	NA	NA	NA	NA	20
Nickel	ND	ND	NA	NA	NA	NA	NA	20
Selenium	ND	ND	NA	NA	NA	NA	NA	20
Zinc	ND	ND	NA	NA	NA	NA	NA	20

Laboratory ID:	04-010-06							
Mercury	ND	ND	NA	NA	NA	NA	NA	20

MATRIX SPIKES

Laboratory ID:	03-363-01									
	MS	MSD	MS	MSD	MS	MSD				
Calcium	41700	41700	22200	22200	21800	90	90	75-125	0	20
Iron	25100	25000	22200	22200	329	112	111	75-125	0	20
Magnesium	31900	31900	22200	22200	9200	102	102	75-125	0	20
Manganese	918	922	556	556	349	102	103	75-125	0	20
Potassium	27200	27200	22200	22200	2500	111	111	75-125	0	20
Sodium	28700	28700	22200	22200	5740	104	104	75-125	0	20

Laboratory ID:	04-007-01									
Arsenic	81.4	81.8	80.0	80.0	ND	102	102	75-125	0	20
Cadmium	77.4	77.0	80.0	80.0	ND	97	96	75-125	1	20
Chromium	77.8	78.4	80.0	80.0	ND	97	98	75-125	1	20
Copper	76.2	75.6	80.0	80.0	ND	95	95	75-125	1	20
Lead	77.8	77.0	80.0	80.0	ND	97	96	75-125	1	20
Nickel	76.2	77.4	80.0	80.0	ND	95	97	75-125	2	20
Selenium	86.2	82.6	80.0	80.0	ND	108	103	75-125	4	20
Zinc	81.2	81.0	80.0	80.0	ND	102	101	75-125	0	20

Laboratory ID:	04-010-06									
Mercury	6.45	6.48	6.25	6.25	ND	103	104	75-125	0	20



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Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0407W1					
Total Alkalinity	ND	2.0	SM 2320B	4-7-22	4-7-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-036-01							
	ORIG	DUP						
Total Alkalinity	174	172	NA	NA	NA	1	10	

SPIKE BLANK								
Laboratory ID:	SB0407W1							
	SB	SB		SB				
Total Alkalinity	104	100	NA	104	89-110	NA	NA	



Date of Report: December 15, 2022
 Samples Submitted: December 7, 2022
 Laboratory Reference: 2112-075
 Project: 6694-002-05 T700

**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0407W1					
Bicarbonate	ND	2.0	SM 2320B	4-7-22	4-7-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-036-01							
	ORIG	DUP						
Bicarbonate	174	172	NA	NA	NA	1	10	

SPIKE BLANK								
Laboratory ID:	SB0407W1							
	SB	SB		SB				
Bicarbonate	104	100	NA	104	89-110	NA	NA	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0406W1					
Total Dissolved Solids	ND	13	SM 2540C	4-6-22	4-7-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-036-02							
	ORIG	DUP						
Total Dissolved Solids	459	456	NA	NA	NA	1	29	

SPIKE BLANK								
Laboratory ID:	SB0406W1							
	SB	SB		SB				
Total Dissolved Solids	467	500	NA	93	84-110	NA	NA	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**CHLORIDE
 SM 4500-Cl E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0406W1					
Chloride	ND	2.0	SM 4500-Cl E	4-6-22	4-6-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Chloride	3.87	4.14	NA	NA	NA	7	15	

MATRIX SPIKE								
Laboratory ID:	03-363-01							
	MS	MS		MS				
Chloride	56.4	50.0	3.87	105	86-115	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0406W1							
	SB	SB		SB				
Chloride	52.1	50.0	NA	104	86-115	NA	NA	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Nitrate	ND	0.050	EPA 353.2	4-8-22	4-8-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Nitrate	ND	ND	NA	NA	NA	NA	16	

MATRIX SPIKE								
Laboratory ID:	03-363-01							
	MS	MS		MS				
Nitrate	2.24	2.00	ND	112	92-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0408W1							
	SB	SB		SB				
Nitrate	2.08	2.00	NA	104	90-121	NA	NA	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Sulfate	ND	5.0	ASTM D516-11	4-8-22	4-8-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-036-02							
	ORIG	DUP						
Sulfate	25.3	25.3	NA	NA	NA	0	10	

MATRIX SPIKE								
Laboratory ID:	04-036-02							
	MS	MS		MS				
Sulfate	44.0	20.0	25.3	94	69-139	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0408W1							
	SB	SB		SB				
Sulfate	10.2	10.0	NA	102	89-117	NA	NA	



Date of Report: April 13, 2022
 Samples Submitted: April 5, 2022
 Laboratory Reference: 2204-036
 Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH₃ D
QUALITY CONTROL

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W1					
Ammonia	ND	0.050	SM 4500-NH3 D	4-5-22	4-5-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Ammonia	0.214	0.238	NA	NA	NA	NA	11	19

MATRIX SPIKE								
Laboratory ID:	03-363-01							
	MS		MS		MS			
Ammonia	5.18		5.00	0.214	99	80-113	NA	NA

SPIKE BLANK								
Laboratory ID:	SB0405W1							
	SB		SB		SB			
Ammonia	5.00		5.00	NA	100	88-110	NA	NA





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 04-036

Work Order Number: 2204113

April 13, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 2 sample(s) on 4/6/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



Date: 04/13/2022

CLIENT: OnSite Environmental Inc
Project: 04-036
Work Order: 2204113

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2204113-001	MW-10-20220404	04/04/2022 2:45 PM	04/06/2022 3:23 PM
2204113-002	MW-9-20220404	04/04/2022 12:55 PM	04/06/2022 3:23 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: OnSite Environmental Inc

Project: 04-036

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc

Collection Date: 4/4/2022 2:45:00 PM

Project: 04-036

Lab ID: 2204113-001

Matrix: Water

Client Sample ID: MW-10-20220404

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 36035

Analyst: SB

Dicamba	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
2,4-D	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
2,4-DP	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
2,4,5-TP (Silvex)	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
2,4,5-T	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
Dinoseb	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
Dalapon	ND	1.98		µg/L	1	4/8/2022 3:20:00 PM
2,4-DB	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
MCPP	ND	4.96		µg/L	1	4/8/2022 3:20:00 PM
MCPA	ND	4.96		µg/L	1	4/8/2022 3:20:00 PM
Picloram	ND	0.991	Q	µg/L	1	4/8/2022 3:20:00 PM
Bentazon	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
Chloramben	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
Acifluorfen	ND	4.96		µg/L	1	4/8/2022 3:20:00 PM
3,5-Dichlorobenzoic acid	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
4-Nitrophenol	ND	0.991		µg/L	1	4/8/2022 3:20:00 PM
Dacthal (DCPA)	ND	1.98		µg/L	1	4/8/2022 3:20:00 PM
Surr: 2,4-Dichlorophenylacetic acid	120	65.7 - 136		%Rec	1	4/8/2022 3:20:00 PM

NOTES:

Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.



Client: OnSite Environmental Inc

Collection Date: 4/4/2022 12:55:00 PM

Project: 04-036

Lab ID: 2204113-002

Matrix: Water

Client Sample ID: MW-9-20220404

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 36035

Analyst: SB

Dicamba	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
2,4-D	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
2,4-DP	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
2,4,5-TP (Silvex)	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
2,4,5-T	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
Dinoseb	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
Dalapon	ND	1.97		µg/L	1	4/8/2022 3:40:43 PM
2,4-DB	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
MCPP	ND	4.93		µg/L	1	4/8/2022 3:40:43 PM
MCPA	ND	4.93		µg/L	1	4/8/2022 3:40:43 PM
Picloram	ND	0.987	Q	µg/L	1	4/8/2022 3:40:43 PM
Bentazon	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
Chloramben	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
Acifluorfen	ND	4.93		µg/L	1	4/8/2022 3:40:43 PM
3,5-Dichlorobenzoic acid	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
4-Nitrophenol	ND	0.987		µg/L	1	4/8/2022 3:40:43 PM
Dacthal (DCPA)	ND	1.97		µg/L	1	4/8/2022 3:40:43 PM
Surr: 2,4-Dichlorophenylacetic acid	112	65.7 - 136		%Rec	1	4/8/2022 3:40:43 PM

NOTES:

Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Work Order: 2204113
 CLIENT: OnSite Environmental Inc
 Project: 04-036

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-36035	SampType: MBLK	Units: µg/L	Prep Date: 4/7/2022	RunNo: 74639							
Client ID: MBLKW	Batch ID: 36035		Analysis Date: 4/8/2022	SeqNo: 1531455							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	1.00									
2,4-D	ND	1.00									
2,4-DP	ND	1.00									
2,4,5-TP (Silvex)	ND	1.00									
2,4,5-T	ND	1.00									
Dinoseb	ND	1.00									
Dalapon	ND	2.00									
2,4-DB	ND	1.00									
MCPD	ND	5.00									
MCPA	ND	5.00									
Picloram	ND	1.00									Q
Bentazon	ND	1.00									
Chloramben	ND	1.00									
Acifluorfen	ND	5.00									
3,5-Dichlorobenzoic acid	ND	1.00									
4-Nitrophenol	ND	1.00									
Dacthal (DCPA)	ND	2.00									
Surr: 2,4-Dichlorophenylacetic acid	27.4		20.00		137	65.7	136				S

NOTES:

S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.
 Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: LCS-36035	SampType: LCS	Units: µg/L	Prep Date: 4/7/2022	RunNo: 74639							
Client ID: LCSW	Batch ID: 36035		Analysis Date: 4/8/2022	SeqNo: 1531456							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	3.84	1.00	4.000	0	96.0	16.6	148				
2,4-D	3.88	1.00	4.000	0	96.9	50.4	150				
2,4-DP	3.54	1.00	4.000	0	88.5	53	135				
2,4,5-TP (Silvex)	3.85	1.00	4.000	0	96.3	53.6	140				
2,4,5-T	3.71	1.00	4.000	0	92.7	50	141				

Work Order: 2204113
 CLIENT: OnSite Environmental Inc
 Project: 04-036

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-36035	SampType: LCS	Units: µg/L	Prep Date: 4/7/2022	RunNo: 74639							
Client ID: LCSW	Batch ID: 36035		Analysis Date: 4/8/2022	SeqNo: 1531456							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dinoseb	1.60	1.00	4.000	0	40.0	5	119				
Dalapon	13.7	2.00	20.00	0	68.5	5.65	97.2				
2,4-DB	3.40	1.00	4.000	0	85.1	54.9	141				
MCPPP	21.1	5.00	20.00	0	106	28.7	166				
MCPA	20.9	5.00	20.00	0	105	20.7	176				
Picloram	2.12	1.00	4.000	0	52.9	9.72	120				
Bentazon	3.59	1.00	4.000	0	89.8	41.2	141				
Chloramben	1.59	1.00	4.000	0	39.7	5	109				
Acifluorfen	1.74	5.00	4.000	0	43.5	7.62	139				
3,5-Dichlorobenzoic acid	3.86	1.00	4.000	0	96.4	52.4	120				
4-Nitrophenol	1.45	1.00	4.000	0	36.1	5	107				
Dacthal (DCPA)	1.45	2.00	4.000	0	36.4	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	22.5		20.00		112	65.7	136				

Sample ID: 2204077-002EMS	SampType: MS	Units: µg/L	Prep Date: 4/7/2022	RunNo: 74639							
Client ID: BATCH	Batch ID: 36035		Analysis Date: 4/8/2022	SeqNo: 1531459							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	4.43	0.995	3.982	0	111	31	142				
2,4-D	4.56	0.995	3.982	0	114	50.3	149				
2,4-DP	4.05	0.995	3.982	0	102	49.9	143				
2,4,5-TP (Silvex)	4.37	0.995	3.982	0	110	47.7	141				
2,4,5-T	4.26	0.995	3.982	0	107	34.4	139				
Dinoseb	2.89	0.995	3.982	0	72.5	27.3	117				
Dalapon	15.2	1.99	19.91	0	76.5	14.2	113				
2,4-DB	3.94	0.995	3.982	0	98.8	31.3	147				
MCPPP	23.9	4.98	19.91	0	120	30.5	177				
MCPA	24.0	4.98	19.91	0	121	36.8	163				
Picloram	2.33	0.995	3.982	0	58.6	18.8	115				
Bentazon	3.95	0.995	3.982	0	99.2	11.9	176				

Work Order: 2204113
 CLIENT: OnSite Environmental Inc
 Project: 04-036

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: 2204077-002EMS	SampType: MS	Units: µg/L				Prep Date: 4/7/2022	RunNo: 74639				
Client ID: BATCH	Batch ID: 36035					Analysis Date: 4/8/2022	SeqNo: 1531459				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloramben	1.51	0.995	3.982	0	38.0	5	112				
Acifluorfen	2.74	1.99	3.982	0	68.9	28.1	146				
3,5-Dichlorobenzoic acid	4.31	0.995	3.982	0	108	36.2	146				
4-Nitrophenol	1.53	0.995	3.982	0	38.5	5	116				
Dacthal (DCPA)	1.53	0.995	3.982	0	38.3	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	25.3		19.91		127	65.7	136				

Sample ID: 2204077-002EMSD	SampType: MSD	Units: µg/L				Prep Date: 4/7/2022	RunNo: 74639				
Client ID: BATCH	Batch ID: 36035					Analysis Date: 4/8/2022	SeqNo: 1531460				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	4.04	0.991	3.962	0	102	31	142	4.425	9.01	50	
2,4-D	4.05	0.991	3.962	0	102	50.3	149	4.558	11.9	50	
2,4-DP	3.67	0.991	3.962	0	92.7	49.9	143	4.052	9.84	50	
2,4,5-TP (Silvex)	3.97	0.991	3.962	0	100	47.7	141	4.374	9.77	50	
2,4,5-T	3.79	0.991	3.962	0	95.8	34.4	139	4.259	11.5	50	
Dinoseb	2.76	0.991	3.962	0	69.6	27.3	117	2.887	4.62	50	
Dalapon	14.4	1.98	19.81	0	72.9	14.2	113	15.23	5.35	50	
2,4-DB	3.51	0.991	3.962	0	88.6	31.3	147	3.935	11.4	50	
MCPP	25.6	4.95	19.81	0	129	30.5	177	23.92	6.84	50	
MCPA	25.7	4.95	19.81	0	130	36.8	163	23.99	6.92	50	
Picloram	2.15	0.991	3.962	0	54.2	18.8	115	2.332	8.23	50	
Bentazon	3.73	0.991	3.962	0	94.1	11.9	176	3.949	5.72	50	
Chloramben	1.52	0.991	3.962	0	38.2	5	112	1.514	0.0939	50	
Acifluorfen	2.61	1.98	3.962	0	65.8	28.1	146	2.743	5.04	50	
3,5-Dichlorobenzoic acid	4.11	0.991	3.962	0	104	36.2	146	4.308	4.62	50	
4-Nitrophenol	1.12	0.991	3.962	0	28.3	5	116	1.533	31.1	50	
Dacthal (DCPA)	1.39	0.991	3.962	0	35.2	5	84.6	1.527	9.05	50	
Surr: 2,4-Dichlorophenylacetic acid	23.3		19.81		118	65.7	136		0		

Client Name: ONSITE	Work Order Number: 2204113
Logged by: Gabrielle Coeuille	Date Received: 4/6/2022 3:23:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Unknown prior to receipt Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	8.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



MVA Onsite Environmental Inc.
 Analytical Laboratory/Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(In working days)

Laboratory Number:

04-036

Company:

MEI

Project Number:

6694-002-05

Project Name:

No-East

Project Manager:

Harriet Legue

Sampled by:

Madison D. Stehlsrud

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

(other)

Lab ID

Sample Identification

Date Sampled

Time Sampled

Matrix

Number of Containers

NWTPH-HCID

NWTPH-Gx/BTEX (8021 8260

NWTPH-Gx

NWTPH-Dx (Acid / SG Clean-up

Volatiles 8260

Halogenated Volatiles 8260

EDB EPA 8011 (Waters Only)

Semivolatiles 8270/SIM (with low-level PAHs)

PAHs 8270/SIM (low-level)

PCBs 8082

Organochlorine Pesticides 8081

Organophosphorus Pesticides 8270/SIM

Chlorinated Acid Herbicides 8151

Total RCRA Metals

Total MTCA Metals

TCLP Metals

HEM (oil and grease) 1664

TDS

Total and Dissolved (Lab #14648) Metals

alkalinity + bicarbonate sm 2008

Ca, K, Na, 200.7 / 200.8

% Moisture Cl, NO₃, SO₄, NH₃

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up <input type="checkbox"/>	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	TDS	Total and Dissolved (Lab #14648) Metals	alkalinity + bicarbonate sm 2008	Ca, K, Na, 200.7 / 200.8	% Moisture Cl, NO ₃ , SO ₄ , NH ₃
1	MW-10-20220404	4/14/22	14:55	water	18			X	X	X			X		X	X		X					X	X	X	X	X
2	MW-10-9-20220404	4/14/22	15:05	water	18			X	X	X			X		X	X		X					X	X	X	X	X

Signature

[Signature]

#17 #17

[Signature]

Company

MEI

Speedy & PL-4/5/22

Speedy & PL-4/5/22

Date

4/14/22

4/15/22

4/15/22

Time

16:10

10:05

11:07

Comments/Special Instructions

Total and Dissolved metals
 As, Cd, Cr, Cu, Fe, Pb, Mn, Hg,
 Ni, Se, Zn, Mo
 Please refer to search for full list

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)

Reviewed/Date

Reviewed/Date



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

April 22, 2022

Garrett Leque
GeoEngineers, Inc.
554 West Bakerview Road
Bellingham, WA 98226

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2204-103

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on April 8, 2022.

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 flourish 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: April 22, 2022
Samples Submitted: April 8, 2022
Laboratory Reference: 2204-103
Project: 6694-002-05 T700

Case Narrative

Samples were collected on April 7, 2022 and received by the laboratory on April 8, 2022. 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.

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: April 22, 2022
Samples Submitted: April 8, 2022
Laboratory Reference: 2204-103
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW5-20220407	04-103-01	Water	4-7-22	4-8-22	



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Gasoline	ND	100	NWTPH-Gx	4-8-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	94	66-117				



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

**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:	MW5-20220407					
Laboratory ID:	04-103-01					
Diesel Range Organics	ND	0.10	NWTPH-Dx	4-12-22	4-12-22	
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	4-12-22	4-12-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>105</i>	<i>50-150</i>				



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	4-13-22	4-13-22	
Chloromethane	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Vinyl Chloride	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Bromomethane	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Chloroethane	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Acetone	ND	5.0	EPA 8260D	4-13-22	4-13-22	
Iodomethane	ND	5.0	EPA 8260D	4-13-22	4-13-22	
Carbon Disulfide	ND	0.27	EPA 8260D	4-13-22	4-13-22	
Methylene Chloride	ND	1.0	EPA 8260D	4-13-22	4-13-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Vinyl Acetate	ND	1.0	EPA 8260D	4-13-22	4-13-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
2-Butanone	ND	5.0	EPA 8260D	4-13-22	4-13-22	
Bromochloromethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Chloroform	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Benzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Trichloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Dibromomethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Bromodichloromethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-13-22	4-13-22	
Toluene	ND	1.0	EPA 8260D	4-13-22	4-13-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-13-22	4-13-22	



Date of Report: April 22, 2022
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 Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Tetrachloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
2-Hexanone	ND	2.0	EPA 8260D	4-13-22	4-13-22	
Dibromochloromethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Chlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Ethylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
m,p-Xylene	ND	0.40	EPA 8260D	4-13-22	4-13-22	
o-Xylene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Styrene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Bromoform	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Isopropylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Bromobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
n-Propylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
n-Butylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-13-22	4-13-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Naphthalene	ND	1.0	EPA 8260D	4-13-22	4-13-22	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	4-13-22	4-13-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-125</i>				



Date of Report: April 22, 2022
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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:	MW5-20220407					
Laboratory ID:	04-103-01					
n-Nitrosodimethylamine	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Pyridine	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Phenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Aniline	ND	4.8	EPA 8270E	4-14-22	4-14-22	
bis(2-Chloroethyl)ether	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2-Chlorophenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
1,3-Dichlorobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
1,4-Dichlorobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Benzyl alcohol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
1,2-Dichlorobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2-Methylphenol (o-Cresol)	ND	0.96	EPA 8270E	4-14-22	4-14-22	
bis(2-Chloroisopropyl)ether	ND	0.96	EPA 8270E	4-14-22	4-14-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.96	EPA 8270E	4-14-22	4-14-22	
n-Nitroso-di-n-propylamine	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Hexachloroethane	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Nitrobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Isophorone	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2-Nitrophenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2,4-Dimethylphenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
bis(2-Chloroethoxy)methane	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2,4-Dichlorophenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
1,2,4-Trichlorobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Naphthalene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
4-Chloroaniline	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Hexachlorobutadiene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
4-Chloro-3-methylphenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2-Methylnaphthalene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
1-Methylnaphthalene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
Hexachlorocyclopentadiene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2,4,6-Trichlorophenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2,3-Dichloroaniline	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2,4,5-Trichlorophenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2-Chloronaphthalene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2-Nitroaniline	ND	0.96	EPA 8270E	4-14-22	4-14-22	
1,4-Dinitrobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Dimethylphthalate	ND	4.8	EPA 8270E	4-14-22	4-14-22	
1,3-Dinitrobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2,6-Dinitrotoluene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
1,2-Dinitrobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Acenaphthylene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
3-Nitroaniline	ND	0.96	EPA 8270E	4-14-22	4-14-22	



Date of Report: April 22, 2022
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SEMIVOLATILE ORGANICS EPA 8270E/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
2,4-Dinitrophenol	ND	4.8	EPA 8270E	4-14-22	4-14-22	
Acenaphthene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
4-Nitrophenol	ND	4.8	EPA 8270E	4-14-22	4-14-22	
2,4-Dinitrotoluene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Dibenzofuran	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2,3,5,6-Tetrachlorophenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
2,3,4,6-Tetrachlorophenol	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Diethylphthalate	ND	0.96	EPA 8270E	4-14-22	4-14-22	
4-Chlorophenyl-phenylether	ND	0.96	EPA 8270E	4-14-22	4-14-22	
4-Nitroaniline	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Fluorene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
4,6-Dinitro-2-methylphenol	ND	4.8	EPA 8270E	4-14-22	4-14-22	
n-Nitrosodiphenylamine	ND	0.96	EPA 8270E	4-14-22	4-14-22	
1,2-Diphenylhydrazine	ND	0.96	EPA 8270E	4-14-22	4-14-22	
4-Bromophenyl-phenylether	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Hexachlorobenzene	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Pentachlorophenol	ND	4.8	EPA 8270E	4-14-22	4-14-22	
Phenanthrene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
Anthracene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
Carbazole	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Di-n-butylphthalate	ND	4.8	EPA 8270E	4-14-22	4-14-22	
Fluoranthene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
Pyrene	ND	0.096	EPA 8270E/SIM	4-14-22	4-14-22	
Butylbenzylphthalate	ND	0.96	EPA 8270E	4-14-22	4-14-22	
bis(2-Ethylhexyl)adipate	ND	4.8	EPA 8270E	4-14-22	4-14-22	
3,3'-Dichlorobenzidine	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Benzo[a]anthracene	ND	0.0096	EPA 8270E/SIM	4-14-22	4-14-22	
Chrysene	ND	0.0096	EPA 8270E/SIM	4-14-22	4-14-22	
bis(2-Ethylhexyl)phthalate	ND	4.8	EPA 8270E	4-14-22	4-14-22	
Di-n-octylphthalate	ND	0.96	EPA 8270E	4-14-22	4-14-22	
Benzo[b]fluoranthene	ND	0.0096	EPA 8270E/SIM	4-14-22	4-14-22	
Benzo(j,k)fluoranthene	ND	0.0096	EPA 8270E/SIM	4-14-22	4-14-22	
Benzo[a]pyrene	ND	0.0096	EPA 8270E/SIM	4-14-22	4-14-22	
Indeno[1,2,3-cd]pyrene	ND	0.0096	EPA 8270E/SIM	4-14-22	4-14-22	
Dibenz[a,h]anthracene	ND	0.0096	EPA 8270E/SIM	4-14-22	4-14-22	
Benzo[g,h,i]perylene	ND	0.0096	EPA 8270E/SIM	4-14-22	4-14-22	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	52	10 - 82				
Phenol-d6	38	10 - 92				
Nitrobenzene-d5	73	32 - 105				
2-Fluorobiphenyl	77	38 - 105				
2,4,6-Tribromophenol	88	25 - 124				
Terphenyl-d14	80	42 - 116				



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

PCBs EPA 8082A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Aroclor 1016	ND	0.048	EPA 8082A	4-8-22	4-11-22	
Aroclor 1221	ND	0.048	EPA 8082A	4-8-22	4-11-22	
Aroclor 1232	ND	0.048	EPA 8082A	4-8-22	4-11-22	
Aroclor 1242	ND	0.048	EPA 8082A	4-8-22	4-11-22	
Aroclor 1248	ND	0.048	EPA 8082A	4-8-22	4-11-22	
Aroclor 1254	ND	0.048	EPA 8082A	4-8-22	4-11-22	
Aroclor 1260	ND	0.048	EPA 8082A	4-8-22	4-11-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	103	42-140				



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
alpha-BHC	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
gamma-BHC (Lindane)	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
beta-BHC	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
delta-BHC	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Heptachlor	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Aldrin	ND	0.0019	EPA 8081B	4-8-22	4-13-22	
Heptachlor Epoxide	ND	0.0029	EPA 8081B	4-8-22	4-13-22	
gamma-Chlordane	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
alpha-Chlordane	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
4,4'-DDE	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Endosulfan I	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Dieldrin	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Endrin	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
4,4'-DDD	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Endosulfan II	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
4,4'-DDT	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Endrin Aldehyde	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Methoxychlor	ND	0.0097	EPA 8081B	4-8-22	4-13-22	
Endosulfan Sulfate	ND	0.0048	EPA 8081B	4-8-22	4-13-22	
Endrin Ketone	ND	0.019	EPA 8081B	4-8-22	4-13-22	
Toxaphene	ND	0.048	EPA 8081B	4-8-22	4-13-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	71	25-114				
DCB	95	30-137				



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TOTAL METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Arsenic	6.6	3.3	EPA 200.8	4-12-22	4-12-22	
Cadmium	ND	4.4	EPA 200.8	4-12-22	4-12-22	
Chromium	ND	11	EPA 200.8	4-12-22	4-12-22	
Copper	ND	11	EPA 200.8	4-12-22	4-12-22	
Iron	200	50	EPA 200.7	4-13-22	4-13-22	
Lead	ND	1.1	EPA 200.8	4-12-22	4-12-22	
Magnesium	15000	1000	EPA 200.7	4-13-22	4-13-22	
Manganese	230	10	EPA 200.7	4-13-22	4-13-22	
Mercury	ND	0.025	EPA 7470A	4-13-22	4-13-22	
Nickel	ND	22	EPA 200.8	4-12-22	4-12-22	
Selenium	ND	5.6	EPA 200.8	4-12-22	4-12-22	
Zinc	ND	28	EPA 200.8	4-12-22	4-12-22	



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DISSOLVED METALS
EPA 200.8/200.7/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Arsenic	4.9	3.0	EPA 200.8		4-12-22	
Cadmium	ND	4.0	EPA 200.8		4-12-22	
Calcium	24000	1100	EPA 200.7		4-14-22	
Chromium	ND	10	EPA 200.8		4-12-22	
Copper	ND	10	EPA 200.8		4-12-22	
Iron	ND	56	EPA 200.7		4-14-22	
Lead	ND	1.0	EPA 200.8		4-12-22	
Magnesium	12000	1100	EPA 200.7		4-14-22	
Manganese	190	11	EPA 200.7		4-14-22	
Mercury	ND	0.025	EPA 7470A		4-13-22	
Nickel	ND	20	EPA 200.8		4-12-22	
Potassium	2400	1100	EPA 200.7		4-14-22	
Selenium	ND	5.0	EPA 200.8		4-12-22	
Sodium	6700	1100	EPA 200.7		4-18-22	
Zinc	ND	25	EPA 200.8		4-12-22	



Date of Report: April 22, 2022
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TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Total Alkalinity	120	2.0	SM 2320B	4-11-22	4-11-22	



Date of Report: December 15, 2022
Samples Submitted: December 7, 2022
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

**BICARBONATE
SM 2320B**

Matrix: Water
Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Bicarbonate	120	2.0	SM 2320B	4-11-22	4-11-22	



Date of Report: April 22, 2022
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**TOTAL DISSOLVED SOLIDS
SM 2540C**

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Total Dissolved Solids	160	13	SM 2540C	4-11-22	4-12-22	



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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Chloride	6.7	2.0	SM 4500-Cl E	4-14-22	4-14-22	



Date of Report: April 22, 2022
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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Nitrate	ND	0.050	EPA 353.2	4-8-22	4-8-22	



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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Sulfate	14	5.0	ASTM D516-11	4-8-22	4-8-22	



Date of Report: April 22, 2022
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AMMONIA (as Nitrogen)
SM 4500-NH₃ D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW5-20220407					
Laboratory ID:	04-103-01					
Ammonia	ND	0.050	SM 4500-NH3 D	4-12-22	4-12-22	



Date of Report: April 22, 2022
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**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:	MB0408W1					
Gasoline	ND	100	NWTPH-Gx	4-8-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-103-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				94	94	66-117		



Date of Report: April 22, 2022
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**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:	MB0412W1					
Diesel Range Organics	ND	0.080	NWTPH-Dx	4-12-22	4-12-22	
Lube Oil Range Organics	ND	0.16	NWTPH-Dx	4-12-22	4-12-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>94</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-077-03							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				94	90	50-150		



Date of Report: April 22, 2022
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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0413W1					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	4-13-22	4-13-22	
Chloromethane	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Vinyl Chloride	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Bromomethane	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Chloroethane	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Acetone	ND	5.0	EPA 8260D	4-13-22	4-13-22	
Iodomethane	ND	5.0	EPA 8260D	4-13-22	4-13-22	
Carbon Disulfide	ND	0.27	EPA 8260D	4-13-22	4-13-22	
Methylene Chloride	ND	1.0	EPA 8260D	4-13-22	4-13-22	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Vinyl Acetate	ND	1.0	EPA 8260D	4-13-22	4-13-22	
2,2-Dichloropropane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
2-Butanone	ND	5.0	EPA 8260D	4-13-22	4-13-22	
Bromochloromethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Chloroform	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1-Dichloropropene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Benzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Trichloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Dibromomethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Bromodichloromethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-13-22	4-13-22	
Toluene	ND	1.0	EPA 8260D	4-13-22	4-13-22	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-13-22	4-13-22	



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0413W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Tetrachloroethene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,3-Dichloropropane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
2-Hexanone	ND	2.0	EPA 8260D	4-13-22	4-13-22	
Dibromochloromethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dibromoethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Chlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Ethylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
m,p-Xylene	ND	0.40	EPA 8260D	4-13-22	4-13-22	
o-Xylene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Styrene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Bromoform	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Isopropylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Bromobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-13-22	4-13-22	
n-Propylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
2-Chlorotoluene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
4-Chlorotoluene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
tert-Butylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
sec-Butylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
p-Isopropyltoluene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
n-Butylbenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-13-22	4-13-22	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	4-13-22	4-13-22	
Hexachlorobutadiene	ND	1.0	EPA 8260D	4-13-22	4-13-22	
Naphthalene	ND	1.0	EPA 8260D	4-13-22	4-13-22	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	4-13-22	4-13-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-125</i>				



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**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0413W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.47	10.5	10.0	10.0	95	105	78-125	10	19	
Benzene	9.25	10.4	10.0	10.0	93	104	80-119	12	16	
Trichloroethene	9.94	11.2	10.0	10.0	99	112	80-121	12	18	
Toluene	9.43	10.6	10.0	10.0	94	106	80-117	12	18	
Chlorobenzene	9.74	11.2	10.0	10.0	97	112	80-117	14	17	
<i>Surrogate:</i>										
Dibromofluoromethane					100	101	75-127			
Toluene-d8					100	99	80-127			
4-Bromofluorobenzene					103	102	78-125			



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

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Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0414W2					
n-Nitrosodimethylamine	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Pyridine	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Phenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Aniline	ND	5.0	EPA 8270E	4-14-22	4-14-22	
bis(2-Chloroethyl)ether	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2-Chlorophenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
1,3-Dichlorobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
1,4-Dichlorobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Benzyl alcohol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
1,2-Dichlorobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2-Methylphenol (o-Cresol)	ND	1.0	EPA 8270E	4-14-22	4-14-22	
bis(2-Chloroisopropyl)ether	ND	1.0	EPA 8270E	4-14-22	4-14-22	
(3+4)-Methylphenol (m,p-Cresol)	ND	1.0	EPA 8270E	4-14-22	4-14-22	
n-Nitroso-di-n-propylamine	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Hexachloroethane	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Nitrobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Isophorone	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2-Nitrophenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2,4-Dimethylphenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
bis(2-Chloroethoxy)methane	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2,4-Dichlorophenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Naphthalene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
4-Chloroaniline	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Hexachlorobutadiene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
4-Chloro-3-methylphenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
1-Methylnaphthalene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
Hexachlorocyclopentadiene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2,4,6-Trichlorophenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2,3-Dichloroaniline	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2,4,5-Trichlorophenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2-Chloronaphthalene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2-Nitroaniline	ND	1.0	EPA 8270E	4-14-22	4-14-22	
1,4-Dinitrobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Dimethylphthalate	ND	5.0	EPA 8270E	4-14-22	4-14-22	
1,3-Dinitrobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2,6-Dinitrotoluene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
1,2-Dinitrobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Acenaphthylene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
3-Nitroaniline	ND	1.0	EPA 8270E	4-14-22	4-14-22	



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

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0414W2					
2,4-Dinitrophenol	ND	5.0	EPA 8270E	4-14-22	4-14-22	
Acenaphthene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
4-Nitrophenol	ND	5.0	EPA 8270E	4-14-22	4-14-22	
2,4-Dinitrotoluene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Dibenzofuran	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2,3,5,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
2,3,4,6-Tetrachlorophenol	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Diethylphthalate	ND	1.0	EPA 8270E	4-14-22	4-14-22	
4-Chlorophenyl-phenylether	ND	1.0	EPA 8270E	4-14-22	4-14-22	
4-Nitroaniline	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Fluorene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
4,6-Dinitro-2-methylphenol	ND	5.0	EPA 8270E	4-14-22	4-14-22	
n-Nitrosodiphenylamine	ND	1.0	EPA 8270E	4-14-22	4-14-22	
1,2-Diphenylhydrazine	ND	1.0	EPA 8270E	4-14-22	4-14-22	
4-Bromophenyl-phenylether	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Hexachlorobenzene	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Pentachlorophenol	ND	5.0	EPA 8270E	4-14-22	4-14-22	
Phenanthrene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
Anthracene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
Carbazole	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Di-n-butylphthalate	ND	5.0	EPA 8270E	4-14-22	4-14-22	
Fluoranthene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
Pyrene	ND	0.10	EPA 8270E/SIM	4-14-22	4-14-22	
Butylbenzylphthalate	ND	1.0	EPA 8270E	4-14-22	4-14-22	
bis-2-Ethylhexyladipate	ND	5.0	EPA 8270E	4-14-22	4-14-22	
3,3'-Dichlorobenzidine	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	4-14-22	4-14-22	
Chrysene	ND	0.010	EPA 8270E/SIM	4-14-22	4-14-22	
bis(2-Ethylhexyl)phthalate	ND	5.0	EPA 8270E	4-14-22	4-14-22	
Di-n-octylphthalate	ND	1.0	EPA 8270E	4-14-22	4-14-22	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	4-14-22	4-14-22	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	4-14-22	4-14-22	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	4-14-22	4-14-22	
Indeno[1,2,3-cd]pyrene	ND	0.010	EPA 8270E/SIM	4-14-22	4-14-22	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	4-14-22	4-14-22	
Benzo[g,h,i]perylene	ND	0.010	EPA 8270E/SIM	4-14-22	4-14-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
2-Fluorophenol	43	10 - 82				
Phenol-d6	34	10 - 92				
Nitrobenzene-d5	58	32 - 105				
2-Fluorobiphenyl	66	38 - 105				
2,4,6-Tribromophenol	87	25 - 124				
Terphenyl-d14	74	42 - 116				



Date of Report: April 22, 2022
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 Project: 6694-002-05 T700

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Source	Percent		Recovery		RPD	RPD	Limit	Flags
					Result	Recovery	Limits	RPD	Limit				
MATRIX SPIKES													
Laboratory ID:	04-150-01												
	MS	MSD	MS	MSD		MS	MSD						
Phenol	89.1	109	160	160	ND	56	68	20 - 108	20			24	
2-Chlorophenol	84.5	107	160	160	ND	53	67	24 - 105	23			32	
1,4-Dichlorobenzene	35.9	45.7	80.0	80.0	ND	45	57	24 - 100	24			36	
n-Nitroso-di-n-propylamine	43.8	55.7	80.0	80.0	ND	55	70	21 - 143	24			30	
1,2,4-Trichlorobenzene	40.7	51.7	80.0	80.0	ND	51	65	34 - 105	24			34	
4-Chloro-3-methylphenol	111	129	160	160	ND	69	81	44 - 113	15			21	
Acenaphthene	50.7	58.7	80.0	80.0	ND	63	73	47 - 106	15			19	
4-Nitrophenol	108	126	160	160	ND	68	79	20 - 127	15			37	
2,4-Dinitrotoluene	50.9	57.7	80.0	80.0	ND	64	72	45 - 106	13			19	
Pentachlorophenol	94.4	111	160	160	ND	59	69	20 - 136	16			39	
Pyrene	55.2	63.0	80.0	80.0	ND	69	79	47 - 112	13			23	
<i>Surrogate:</i>													
2-Fluorophenol						48	61	10 - 82					
Phenol-d6						53	64	10 - 92					
Nitrobenzene-d5						53	67	32 - 105					
2-Fluorobiphenyl						61	71	38 - 105					
2,4,6-Tribromophenol						68	78	25 - 124					
Terphenyl-d14						67	76	42 - 116					



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**PCBs EPA 8082A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Aroclor 1016	ND	0.050	EPA 8082A	4-8-22	4-11-22	
Aroclor 1221	ND	0.050	EPA 8082A	4-8-22	4-11-22	
Aroclor 1232	ND	0.050	EPA 8082A	4-8-22	4-11-22	
Aroclor 1242	ND	0.050	EPA 8082A	4-8-22	4-11-22	
Aroclor 1248	ND	0.050	EPA 8082A	4-8-22	4-11-22	
Aroclor 1254	ND	0.050	EPA 8082A	4-8-22	4-11-22	
Aroclor 1260	ND	0.050	EPA 8082A	4-8-22	4-11-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	110		42-140			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0408W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.448	0.463	0.500	0.500	N/A	90	93	73-131	3	12	
<i>Surrogate:</i>											
DCB						106	109	42-140			



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
alpha-BHC	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
gamma-BHC (Lindane)	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
beta-BHC	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
delta-BHC	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Heptachlor	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Aldrin	ND	0.0020	EPA 8081B	4-8-22	4-8-22	
Heptachlor Epoxide	ND	0.0030	EPA 8081B	4-8-22	4-8-22	
gamma-Chlordane	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
alpha-Chlordane	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
4,4'-DDE	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Endosulfan I	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Dieldrin	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Endrin	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
4,4'-DDD	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Endosulfan II	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
4,4'-DDT	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Endrin Aldehyde	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Methoxychlor	ND	0.010	EPA 8081B	4-8-22	4-8-22	
Endosulfan Sulfate	ND	0.0050	EPA 8081B	4-8-22	4-8-22	
Endrin Ketone	ND	0.020	EPA 8081B	4-8-22	4-8-22	
Toxaphene	ND	0.050	EPA 8081B	4-8-22	4-8-22	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
TCMX	81	25-114				
DCB	95	30-137				



Date of Report: April 22, 2022
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**ORGANOCHLORINE
 PESTICIDES EPA 8081B
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0408W1										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	0.0869	0.0867	0.100	0.100	N/A	87	87	42-113	0	19	
gamma-BHC (Lindane)	0.0918	0.0913	0.100	0.100	N/A	92	91	45-114	1	15	
beta-BHC	0.0836	0.0826	0.100	0.100	N/A	84	83	40-118	1	15	
delta-BHC	0.102	0.102	0.100	0.100	N/A	102	102	20-125	0	15	
Heptachlor	0.0868	0.0887	0.100	0.100	N/A	87	89	41-120	2	16	
Aldrin	0.0810	0.0826	0.100	0.100	N/A	81	83	35-115	2	15	
Heptachlor Epoxide	0.0858	0.0853	0.100	0.100	N/A	86	85	50-118	1	15	
gamma-Chlordane	0.0831	0.0867	0.100	0.100	N/A	83	87	46-110	4	15	
alpha-Chlordane	0.0802	0.0790	0.100	0.100	N/A	80	79	38-112	2	15	
4,4'-DDE	0.0806	0.0818	0.100	0.100	N/A	81	82	41-127	1	15	
Endosulfan I	0.0938	0.0925	0.100	0.100	N/A	94	92	45-119	1	15	
Dieldrin	0.0928	0.0917	0.100	0.100	N/A	93	92	46-115	1	15	
Endrin	0.101	0.100	0.100	0.100	N/A	101	100	52-124	1	15	
4,4'-DDD	0.105	0.104	0.100	0.100	N/A	105	104	52-121	1	15	
Endosulfan II	0.0902	0.0889	0.100	0.100	N/A	90	89	44-114	1	15	
4,4'-DDT	0.0929	0.0913	0.100	0.100	N/A	93	91	48-123	2	15	
Endrin Aldehyde	0.0803	0.0790	0.100	0.100	N/A	80	79	45-114	2	15	
Methoxychlor	0.0884	0.0835	0.100	0.100	N/A	88	83	49-130	6	15	
Endosulfan Sulfate	0.0870	0.0848	0.100	0.100	N/A	87	85	39-117	3	15	
Endrin Ketone	0.0875	0.0852	0.100	0.100	N/A	87	85	53-119	3	15	
Surrogate:											
TCMX						73	84	25-114			
DCB						94	91	30-137			



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0413WH1					
Iron	ND	50	EPA 200.7	4-13-22	4-13-22	
Magnesium	ND	1000	EPA 200.7	4-13-22	4-13-22	
Manganese	ND	10	EPA 200.7	4-13-22	4-13-22	
METHOD BLANK						
Laboratory ID:	MB0412WM1					
Arsenic	ND	3.3	EPA 200.8	4-12-22	4-12-22	
Cadmium	ND	4.4	EPA 200.8	4-12-22	4-12-22	
Chromium	ND	11	EPA 200.8	4-12-22	4-12-22	
Copper	ND	11	EPA 200.8	4-12-22	4-12-22	
Lead	ND	1.1	EPA 200.8	4-12-22	4-12-22	
Nickel	ND	22	EPA 200.8	4-12-22	4-12-22	
Selenium	ND	5.6	EPA 200.8	4-12-22	4-12-22	
Zinc	ND	28	EPA 200.8	4-12-22	4-12-22	
METHOD BLANK						
Laboratory ID:	MB0413W1					
Mercury	ND	0.025	EPA 7470A	4-13-22	4-13-22	



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 Project: 6694-002-05 T700

TOTAL METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
					Result	Recovery	Limits	RPD	Limit	
DUPLICATE										
Laboratory ID: 04-036-02										
	ORIG	DUP								
Iron	3040	3020	NA	NA		NA	NA	1	20	
Magnesium	29800	29800	NA	NA		NA	NA	0	20	
Manganese	1380	1380	NA	NA		NA	NA	0	20	
Laboratory ID: 04-103-01										
Arsenic	6.62	5.93	NA	NA		NA	NA	11	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID: 04-133-04										
Mercury	ND	ND	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID: 04-036-02										
	MS	MSD	MS	MSD		MS	MSD			
Iron	23400	23600	20000	20000	3040	102	103	75-125	1	20
Magnesium	50600	50700	20000	20000	29800	104	105	75-125	0	20
Manganese	1880	1820	500	500	1380	100	88	75-125	3	20
Laboratory ID: 04-103-01										
Arsenic	122	118	111	111	6.62	104	100	75-125	3	20
Cadmium	113	109	111	111	ND	102	98	75-125	3	20
Chromium	105	102	111	111	ND	94	92	75-125	3	20
Copper	114	110	111	111	ND	103	99	75-125	4	20
Lead	112	110	111	111	ND	101	99	75-125	1	20
Nickel	103	102	111	111	ND	93	92	75-125	0	20
Selenium	112	112	111	111	ND	101	101	75-125	0	20
Zinc	111	110	111	111	ND	100	99	75-125	1	20
Laboratory ID: 04-133-04										
Mercury	6.30	6.33	6.25	6.25	ND	101	101	75-125	0	20



Date of Report: April 22, 2022
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 Project: 6694-002-05 T700

**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0414D1					
Calcium	ND	1100	EPA 200.7		4-14-22	
Iron	ND	56	EPA 200.7		4-14-22	
Magnesium	ND	1100	EPA 200.7		4-14-22	
Manganese	ND	11	EPA 200.7		4-14-22	
Potassium	ND	1100	EPA 200.7		4-14-22	
Laboratory ID:	MB0412D1					
Arsenic	ND	3.0	EPA 200.8		4-12-22	
Cadmium	ND	4.0	EPA 200.8		4-12-22	
Chromium	ND	10	EPA 200.8		4-12-22	
Copper	ND	10	EPA 200.8		4-12-22	
Lead	ND	1.0	EPA 200.8		4-12-22	
Nickel	ND	20	EPA 200.8		4-12-22	
Selenium	ND	5.0	EPA 200.8		4-12-22	
Zinc	ND	25	EPA 200.8		4-12-22	
Laboratory ID:	MB0413D1					
Mercury	ND	0.025	EPA 7470A		4-13-22	
Laboratory ID:	MB0418D1					
Sodium	ND	1100	EPA 200.7		4-18-22	



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DISSOLVED METALS
EPA 200.8/200.7/7470A
QUALITY CONTROL

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	04-153-10									
	ORIG	DUP								
Calcium	23400	23500	NA	NA		NA	NA	0	20	
Iron	936	922	NA	NA		NA	NA	1	20	
Magnesium	12100	12100	NA	NA		NA	NA	0	20	
Manganese	225	225	NA	NA		NA	NA	0	20	
Potassium	11000	11000	NA	NA		NA	NA	0	20	
Laboratory ID: 04-103-01										
Arsenic	4.88	5.80	NA	NA		NA	NA	17	20	
Cadmium	ND	ND	NA	NA		NA	NA	NA	20	
Chromium	ND	ND	NA	NA		NA	NA	NA	20	
Copper	ND	ND	NA	NA		NA	NA	NA	20	
Lead	ND	ND	NA	NA		NA	NA	NA	20	
Nickel	ND	ND	NA	NA		NA	NA	NA	20	
Selenium	ND	ND	NA	NA		NA	NA	NA	20	
Zinc	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID: 04-133-04										
Mercury	ND	ND	NA	NA		NA	NA	NA	20	
Laboratory ID: 04-103-01										
	ORIG	DUP								
Sodium	6740	6800	NA	NA		NA	NA	1	20	



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**DISSOLVED METALS
 EPA 200.8/200.7/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		
					Result	Recovery	Limits	RPD	Limit	Flags
MATRIX SPIKES										
Laboratory ID: 04-153-10										
	MS	MSD	MS	MSD		MS	MSD			
Calcium	43800	43600	22200	22200	23400	92	91	75-125	1	20
Iron	23300	23400	22200	22200	936	101	101	75-125	0	20
Magnesium	32300	32300	22200	22200	12100	91	91	75-125	0	20
Manganese	722	720	556	556	225	89	89	75-125	0	20
Potassium	33000	33100	22200	22200	11000	99	100	75-125	0	20
Laboratory ID: 04-103-01										
Arsenic	87.0	86.2	80.0	80.0	4.88	103	102	75-125	1	20
Cadmium	77.8	79.6	80.0	80.0	ND	97	100	75-125	2	20
Chromium	74.6	73.6	80.0	80.0	ND	93	92	75-125	1	20
Copper	78.4	77.6	80.0	80.0	ND	98	97	75-125	1	20
Lead	77.8	77.6	80.0	80.0	ND	97	97	75-125	0	20
Nickel	73.8	72.8	80.0	80.0	ND	92	91	75-125	1	20
Selenium	80.8	80.4	80.0	80.0	ND	101	101	75-125	0	20
Zinc	78.2	76.0	80.0	80.0	ND	98	95	75-125	3	20
Laboratory ID: 04-133-04										
Mercury	6.38	6.18	6.25	6.25	ND	102	99	75-125	3	20
Laboratory ID: 04-103-01										
	MS	MSD	MS	MSD		MS	MSD			
Sodium	30600	29900	22200	22200	6740	108	104	75-125	3	20



Date of Report: April 22, 2022
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 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

**TOTAL ALKALINITY
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0411W1					
Total Alkalinity	ND	2.0	SM 2320B	4-11-22	4-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-103-01							
	ORIG	DUP						
Total Alkalinity	122	120	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0411W1							
	SB	SB		SB				
Total Alkalinity	106	100	NA	106	89-110	NA	NA	



Date of Report: December 15, 2022
 Samples Submitted: December 7, 2022
 Laboratory Reference: 2112-075
 Project: 6694-002-05 T700

**BICARBONATE
 SM 2320B
 QUALITY CONTROL**

Matrix: Water
 Units: mg CaCO₃/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0411W1					
Bicarbonate	ND	2.0	SM 2320B	4-11-22	4-11-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-103-01							
	ORIG	DUP						
Bicarbonate	122	120	NA	NA	NA	2	10	

SPIKE BLANK								
Laboratory ID:	SB0411W1							
	SB	SB		SB				
Bicarbonate	106	100	NA	106	89-110	NA	NA	



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

**TOTAL DISSOLVED SOLIDS
 SM 2540C
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0411W1					
Total Dissolved Solids	ND	13	SM 2540C	4-11-22	4-12-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-103-01							
	ORIG	DUP						
Total Dissolved Solids	159	139	NA	NA	NA	13	29	

SPIKE BLANK								
Laboratory ID:	SB0411W1							
	SB	SB		SB				
Total Dissolved Solids	473	500	NA	95	84-110	NA	NA	



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

**CHLORIDE
 SM 4500-Cl E
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0414W1					
Chloride	ND	2.0	SM 4500-Cl E	4-14-22	4-14-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-103-01							
	ORIG	DUP						
Chloride	6.65	6.67	NA	NA	NA	0	15	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKE								
Laboratory ID:	04-103-01							
	MS	MS		MS				
Chloride	57.4	50.0	6.65	102	86-115	NA	NA	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANK								
Laboratory ID:	SB0414W1							
	SB	SB		SB				
Chloride	52.1	50.0	NA	104	86-115	NA	NA	



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
 Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Nitrate	ND	0.050	EPA 353.2	4-8-22	4-8-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-363-01							
	ORIG	DUP						
Nitrate	ND	ND	NA	NA	NA	NA	16	

MATRIX SPIKE								
Laboratory ID:	03-363-01							
	MS	MS		MS				
Nitrate	2.24	2.00	ND	112	92-125	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0408W1							
	SB	SB		SB				
Nitrate	2.08	2.00	NA	104	90-121	NA	NA	



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

**SULFATE
 ASTM D516-11
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Sulfate	ND	5.0	ASTM D516-11	4-8-22	4-8-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-036-02							
	ORIG	DUP						
Sulfate	25.3	25.3	NA	NA	NA	0	10	

MATRIX SPIKE								
Laboratory ID:	04-036-02							
	MS	MS		MS				
Sulfate	44.0	20.0	25.3	94	69-139	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0408W1							
	SB	SB		SB				
Sulfate	10.2	10.0	NA	102	89-117	NA	NA	



Date of Report: April 22, 2022
 Samples Submitted: April 8, 2022
 Laboratory Reference: 2204-103
 Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH₃ D
QUALITY CONTROL

Matrix: Water
 Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0412W1					
Ammonia	ND	0.050	SM 4500-NH3 D	4-12-22	4-12-22	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-103-01							
	ORIG	DUP						
Ammonia	ND	ND	NA	NA	NA	NA	19	

MATRIX SPIKE								
Laboratory ID:	04-103-01							
	MS	MS		MS				
Ammonia	5.20	5.00	ND	104	80-113	NA	NA	

SPIKE BLANK								
Laboratory ID:	SB0412W1							
	SB	SB		SB				
Ammonia	5.18	5.00	NA	104	88-110	NA	NA	





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.
 - 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.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference





3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

OnSite Environmental Inc

David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 04-103

Work Order Number: 2204150

April 22, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 4/8/2022 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (GC/MS)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



CLIENT: OnSite Environmental Inc
Project: 04-103
Work Order: 2204150

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2204150-001	MW5-20220407	04/07/2022 3:00 PM	04/08/2022 4:01 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: OnSite Environmental Inc
Project: 04-103

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: OnSite Environmental Inc

Collection Date: 4/7/2022 3:00:00 PM

Project: 04-103

Lab ID: 2204150-001

Matrix: Water

Client Sample ID: MW5-20220407

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 36109

Analyst: SB

Dicamba	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
2,4-D	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
2,4-DP	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
2,4,5-TP (Silvex)	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
2,4,5-T	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
Dinoseb	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
Dalapon	ND	1.99		µg/L	1	4/21/2022 12:07:49 PM
2,4-DB	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
MCPP	ND	4.98		µg/L	1	4/21/2022 12:07:49 PM
MCPA	ND	4.98		µg/L	1	4/21/2022 12:07:49 PM
Picloram	ND	0.996	Q	µg/L	1	4/21/2022 12:07:49 PM
Bentazon	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
Chloramben	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
Acifluorfen	ND	4.98		µg/L	1	4/21/2022 12:07:49 PM
3,5-Dichlorobenzoic acid	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
4-Nitrophenol	ND	0.996		µg/L	1	4/21/2022 12:07:49 PM
Dacthal (DCPA)	ND	1.99		µg/L	1	4/21/2022 12:07:49 PM
Surr: 2,4-Dichlorophenylacetic acid	139	65.7 - 136	S	%Rec	1	4/21/2022 12:07:49 PM

NOTES:

S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.

Q - Associated calibration verification is below acceptance criteria (recovery 74%, limit 80%). Result may be low-biased.

Work Order: 2204150
 CLIENT: OnSite Environmental Inc
 Project: 04-103

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: MB-36109	SampType: MBLK	Units: µg/L	Prep Date: 4/14/2022	RunNo: 74925							
Client ID: MBLKW	Batch ID: 36109		Analysis Date: 4/21/2022	SeqNo: 1537346							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	1.00									
2,4-D	ND	1.00									
2,4-DP	ND	1.00									
2,4,5-TP (Silvex)	ND	1.00									
2,4,5-T	ND	1.00									
Dinoseb	ND	1.00									
Dalapon	ND	2.00									
2,4-DB	ND	1.00									
MCPP	ND	5.00									
MCPA	ND	5.00									
Picloram	ND	1.00									Q
Bentazon	ND	1.00									
Chloramben	ND	1.00									
Acifluorfen	ND	5.00									
3,5-Dichlorobenzoic acid	ND	1.00									
4-Nitrophenol	ND	1.00									
Dacthal (DCPA)	ND	2.00									
Surr: 2,4-Dichlorophenylacetic acid	24.9		20.00		124	65.7	136				

NOTES:

Q - Associated calibration verification is below acceptance criteria (recovery 74%, limit 80%). Result may be low-biased.

Sample ID: LCS-36109	SampType: LCS	Units: µg/L	Prep Date: 4/14/2022	RunNo: 74925							
Client ID: LCSW	Batch ID: 36109		Analysis Date: 4/21/2022	SeqNo: 1537347							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	4.84	1.00	4.000	0	121	16.6	148				
2,4-D	4.86	1.00	4.000	0	121	50.4	150				
2,4-DP	4.53	1.00	4.000	0	113	53	135				
2,4,5-TP (Silvex)	5.01	1.00	4.000	0	125	53.6	140				
2,4,5-T	4.87	1.00	4.000	0	122	50	141				
Dinoseb	2.22	1.00	4.000	0	55.5	5	119				

Work Order: 2204150
 CLIENT: OnSite Environmental Inc
 Project: 04-103

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS-36109	SampType: LCS	Units: µg/L				Prep Date: 4/14/2022	RunNo: 74925				
Client ID: LCSW	Batch ID: 36109					Analysis Date: 4/21/2022	SeqNo: 1537347				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dalapon	17.1	2.00	20.00	0	85.4	5.65	97.2				
2,4-DB	4.50	1.00	4.000	0	112	54.9	141				
MCPP	24.3	5.00	20.00	0	121	28.7	166				
MCPA	24.5	5.00	20.00	0	123	20.7	176				
Picloram	3.33	1.00	4.000	0	83.1	9.72	120				
Bentazon	4.62	1.00	4.000	0	116	41.2	141				
Chloramben	2.34	1.00	4.000	0	58.5	5	109				
Acifluorfen	2.77	2.00	4.000	0	69.3	7.62	139				
3,5-Dichlorobenzoic acid	4.64	1.00	4.000	0	116	52.4	120				
4-Nitrophenol	2.15	1.00	4.000	0	53.8	5	107				
Dacthal (DCPA)	2.53	2.00	4.000	0	63.3	5	65.4				
Surr: 2,4-Dichlorophenylacetic acid	28.6		20.00		143	65.7	136				S

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample ID: LCS-36109	SampType: LCS	Units: µg/L				Prep Date: 4/14/2022	RunNo: 74925				
Client ID: LCSW02	Batch ID: 36109					Analysis Date: 4/21/2022	SeqNo: 1537348				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	4.52	1.00	4.000	0	113	16.6	148	4.838	6.80	30	
2,4-D	4.53	1.00	4.000	0	113	50.4	150	4.859	6.90	30	
2,4-DP	4.15	1.00	4.000	0	104	53	135	4.526	8.62	30	
2,4,5-TP (Silvex)	4.52	1.00	4.000	0	113	53.6	140	5.011	10.3	30	
2,4,5-T	4.42	1.00	4.000	0	110	50	141	4.870	9.79	30	
Dinoseb	3.10	1.00	4.000	0	77.6	5	119	2.219	33.3	30	
Dalapon	16.8	2.00	20.00	0	84.1	5.65	97.2	17.09	1.61	30	
2,4-DB	4.04	1.00	4.000	0	101	54.9	141	4.499	10.7	30	
MCPP	22.6	5.00	20.00	0	113	28.7	166	24.25	7.19	30	
MCPA	22.6	5.00	20.00	0	113	20.7	176	24.51	8.00	30	
Picloram	2.90	1.00	4.000	0	72.6	9.72	120	3.325	13.6	30	
Bentazon	4.22	1.00	4.000	0	106	41.2	141	4.625	9.07	30	

Work Order: 2204150
 CLIENT: OnSite Environmental Inc
 Project: 04-103

QC SUMMARY REPORT
Herbicides by EPA Method 8151A (GC/MS)

Sample ID: LCS D-36109	SampType: LCS D	Units: µg/L	Prep Date: 4/14/2022	RunNo: 74925							
Client ID: LCS W02	Batch ID: 36109		Analysis Date: 4/21/2022	SeqNo: 1537348							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloramben	2.19	1.00	4.000	0	54.7	5	109	2.338	6.61	30	
Acifluorfen	3.46	2.00	4.000	0	86.6	7.62	139	2.771	22.2	30	
3,5-Dichlorobenzoic acid	4.31	1.00	4.000	0	108	52.4	120	4.642	7.34	30	
4-Nitrophenol	1.26	1.00	4.000	0	31.4	5	107	2.151	52.5	30	
Dacthal (DCPA)	2.33	2.00	4.000	0	58.2	5	65.4	2.532	8.34	30	
Surr: 2,4-Dichlorophenylacetic acid	25.7		20.00		129	65.7	136		0		

Sample ID: 2204150-001AMS	SampType: MS	Units: µg/L	Prep Date: 4/14/2022	RunNo: 74925							
Client ID: MW5-20220407	Batch ID: 36109		Analysis Date: 4/21/2022	SeqNo: 1537350							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	4.11	0.908	3.632	0	113	31	142				
2,4-D	4.16	0.908	3.632	0	115	50.3	149				
2,4-DP	3.78	0.908	3.632	0	104	49.9	143				
2,4,5-TP (Silvex)	4.15	0.908	3.632	0	114	47.7	141				
2,4,5-T	4.06	0.908	3.632	0	112	34.4	139				
Dinoseb	2.69	0.908	3.632	0	74.0	27.3	117				
Dalapon	13.9	1.82	18.16	0	76.4	14.2	113				
2,4-DB	3.67	0.908	3.632	0	101	31.3	147				
MCPPP	20.6	4.54	18.16	0	114	30.5	177				
MCPA	20.7	4.54	18.16	0	114	36.8	163				
Picloram	2.53	0.908	3.632	0	69.8	18.8	115				
Bentazon	3.86	0.908	3.632	0	106	11.9	176				
Chloramben	1.79	0.908	3.632	0	49.3	5	112				
Acifluorfen	2.85	4.54	3.632	0	78.5	28.1	146				
3,5-Dichlorobenzoic acid	3.98	0.908	3.632	0	110	36.2	146				
4-Nitrophenol	1.51	0.908	3.632	0	41.6	5	116				
Dacthal (DCPA)	1.73	1.82	3.632	0	47.6	5	84.6				
Surr: 2,4-Dichlorophenylacetic acid	23.7		18.16		130	65.7	136				

Client Name: ONSITE

Work Order Number: 2204150

Logged by: Brianna Barnes

Date Received: 4/8/2022 4:01:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



MVA Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: **GRE**

Project Number: **02-05
0694-05-02**

Project Name: **Bo East**

Project Manager: **Garnett Legue**

Sampled by: **Dexter Chan**

Lab ID: **1**

Sample Identification: **MW5-20220407/08**

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)

~~24~~ ~~48~~ (other)

Date Sampled: **4/1/22**

Time Sampled: **1500**

Matrix: **W**

Number of Containers: **18**

Laboratory Number: 04-103

NWTPH-HCID	
NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/>)	
NWTPH-Gx	X
NWTPH-Dx (Acid / SG Clean-up <input type="checkbox"/>)	X
Volatiles 8260	X
Halogenated Volatiles 8260	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270/SIM (with low-level PAHs)	X
PAHs 8270/SIM (low-level)	
PCBs 8082	X
Organochlorine Pesticides 8081	X
Organophosphorus Pesticides 8270/SIM	
Chlorinated Acid Herbicides 8151	X
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664	
TDS	X
tot + Diss Metals *	X
Alk + Bicarbonate	X
diss. Ca, K, Na	X
% Moisture Cl, NO ₃ , NH ₃ , SO ₄	X

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	GRE	4/1/22	12:00	See Garnett for full list of analytes
<i>[Signature]</i>	ALPHA	4/1/22	11:00 AM	
<i>[Signature]</i>	ALPHA	4/1/22	11:00 AM	
<i>[Signature]</i>	GRE	4/8/22	13:02	

Received _____

Relinquished _____

Received _____

Relinquished _____

Received _____

Relinquished _____

Reviewed/Date _____

Reviewed/Date _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)