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Memorandum

To:	Alan Noell, PhD, PE; Tim O'Connor, LG, LHG
From:	Garrett R. Leque, LG; Terry R. McPhetridge, LG, LHG
Date:	March 11, 2022
File:	6694-002-05
Subject:	Go East Landfill Q1 Data

As requested, attached are the draft results of the first quarter sampling at the Go East Landfill located at 4330 108th Street in Everett, Washington. The sampling was performed on December 6 to December 13, 2021, in accordance with the *Remedial Investigation Work Plan, Go East Corp Landfill Site*, dated June 30, 2020.

The following samples were collected during the Q1 sampling event:

- Groundwater samples from monitoring wells MW2, MW3, MW5, MW6, MW7, and MW8. Note that MW1 was not sampled because the well was damaged. MW4 was previously decommissioned as planned. MW9 and MW10 were not yet installed as of the Q1 sampling event.
- Surface water sample SWS-1 and groundwater seep sample Seep-1. Note that the weir box was not installed at the time of the Q1 sampling event. Therefore, the actual sample location was moved closer to where water was emanating from the toe of the slope. Note further that the Work Plan specifies to collect two seep samples per quarter. However, only one location was observed to have flowing water at the time of sampling.

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

Draft Groundwater Results

Go East Corp Landfill Site

Everett, Washington

			Location ID	MW2	MW3	MW5	MW6	MW7	MW8	
			Sample ID	MW2-211208	MW3-211206	MW5-211207	MW6-211209	MW7-211209	MW8-211213	DUP-211213
			Sample Date	12/8/2021	12/6/2021	12/7/2021	12/9/2021	12/9/2021	12/13/2021	12/13/2021
Method	**Analyte/Parameter**	**Groundwater Screening Level[1]**	**Units**							
Field Parameters	Temperature	--	Degrees C	9.8	10	10.5	14.3	10.5	12.0	
	Dissolved Oxygen	--	mg/L	0.32	0.08	10.03	1.52	4.22	0.47	
	Specific Conductance	--	uS/cm	273.6	264.4	294.3	451.0	237.8	597.8	
	pH	--	pH units	8.18	8.24	8.02	6.69	7.99	6.07	
	Oxidation reduction potential	--	mV	-280.2	-308.5	-119.3	-177.7	-136.5	-191.6	
	Turbidity	--	NTU	9.95	2.97	6.66	9.82	98.7	9.63	
	Alkalinity as CaCO3	NE	mg/L as CaCO3	**120**	**110**	--	**190**	**100**	**230**	**220**
	Ammonia (Total as N)	NE	mg/L as N	**0.097**	**0.059**	0.050 U	**0.10**	0.050 U	0.050 U	0.050 U
	Bicarbonate Ion (HCO3)	NE	mg/L as CaCO3	**120**	**110**	--	**190**	**100**	**230**	**220**
	Total Dissolved Solids	NE	mg/L	**150**	**140**	**160**	**250**	**120**	**320**	**320**
	Chloride	NE	mg/L	**5.7**	**6.3**	**7.3**	**5.3**	**9.0**	**4.5**	**4.5**
	Nitrate (Total as N)	NE	mg/L as N	0.050 U	0.050 U	**0.21**	**0.62**	**0.22**	**0.10**	**0.65**
	Sulfate	NE	mg/L	**12**	**14**	**14**	**26**	**8.5**	**73**	**71**
NWTPH-GX	Gasoline-range hydrocarbons	0.8/1	mg/L	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
NWTPH-DX	Diesel-range hydrocarbons	0.50	mg/L	0.20 U	0.20 U	0.15 U	0.21 U	0.20 U	0.21 U	0.20 U
	Lube oil-range hydrocarbons	0.50	mg/L	0.20 U	0.20 U	0.20 U	0.21 U	0.20 U	0.21 U	0.20 U
Total Metals	Arsenic	5.0	µg/L	**4.8**	**3.6**	**5.1**	**3.5**	**11**	3.3 U	3.3 U
	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
	Chromium	50	µg/L	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
	Iron	300	µg/L	**370**	**110**	**360**	**420**	**6,900**	**1,300**	**1,400**
	Lead	1.1	µg/L	1.1 U	1.1 U	1.1 U	1.1 U	**3.2**	1.1 U	1.1 U
	Magnesium	NE	µg/L	**18,000**	**15,000**	**17,000**	**23,000**	**18,000**	**50,000**	**50,000**
	Manganese	50	µg/L	**300**	**190**	**390**	**1,800**	**680**	**2,100**	**2,200**
	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
	Nickel	26	µg/L	22 U	22 U	22 U	22 U	**42**	**39**	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
	Zinc	100	µg/L	28 U	28 U	28 U	28 U	28 U	28 U	28 U
Dissolved Metals	Arsenic	5.0	µg/L	**4.2**	**3.4**	**4.2**	**3.0**	**8.5**	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
	Calcium	NE	µg/L	**22,000**	**23,000**	**27,000**	**41,000**	**20,000**	**37,000**	**38,000**
	Chromium	50	µg/L	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
	Iron	300	µg/L	56 U	56 U	56 U	**62**	56 U	**120**	**110**
	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
	Magnesium	NE	µg/L	**16,000**	**14,000**	**15,000**	**22,000**	**14,000**	**41,000**	**42,000**
	Manganese	50	µg/L	**270**	**170**	**330**	**1,800**	**250**	**1,900**	**1,900**
	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
	Nickel	26	µg/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U
	Potassium	NE	µg/L	**2,000**	**1,900**	**2,000**	**2,400**	**1,900**	**4,100**	**4,500**
	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
	Sodium	NE	µg/L	**7,000**	**8,200**	**7,400**	**18,000**	**7,600**	**11,000**	**11,000**
	Zinc	100	µg/L	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Organochlorine Pesticides	4,4'-DDD	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	4,4'-DDE	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	4,4'-DDT	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Aldrin	0.0050	µg/L	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
	Alpha-BHC	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Beta-BHC	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	cis-Chlordane	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Delta-BHC	NE	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Dieldrin	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Endosulfan I	0.056	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Endosulfan II	0.056	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Endosulfan Sulfate	9.0	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Endrin	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Endrin Aldehyde	0.034	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Endrin Ketone	NE	µg/L	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
	Gamma-BHC	0.060	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Heptachlor	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
	Heptachlor Epoxide	0.0050	µg/L	0.0028 U	0.0028 U	0.0029 U	0.0029 U	0.0028 U	0.0029 U	0.0029 U
	Methoxychlor	0.020	µg/L	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0097 U	0.0097 U
	Toxaphene	0.050	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 U
	trans-Chlordane	0.0050	µg/L	0.0047 U	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0049 U	0.0049 U
Herbicides	2,4,5-T	160	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	2,4,5-TP	10	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	2,4-D	70	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	2,4-DB	480	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	3,5-Dichlorobenzoic Acid	NE	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	4-Nitrophenol	NE	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	Acifluorfen	NE	µg/L	4.92 U	4.99 U	4.93 U	4.99 U	4.94 U	4.97 U	5.0 U
	Bentazon	NE	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	Chloramben	NE	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	Chlorthal-dimethyl (DACTHAL)	NE	µg/L	1.97 U	1.99 U	1.97 U	1.99 U	1.98 U	1.99 U	2.0 U
	Dalapon	200	µg/L	1.97 U	1.99 U	1.97 U	1.99 U	1.98 U	1.99 U	2.0 U

			Location ID	MW2	MW3	MW5	MW6	MW7	MW8	
			Sample ID	MW2-211208	MW3-211206	MW5-211207	MW6-211209	MW7-211209	MW8-211213	DUP-211213
			Sample Date	12/8/2021	12/6/2021	12/7/2021	12/9/2021	12/9/2021	12/13/2021	12/13/2021
Method	**Analyte/Parameter**	**Groundwater Screening Level[1]**	**Units**							
Herbicides (continued)	Dicamba	480	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	Dichlorprop	NE	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	Dinoseb	7.0	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
	MCPA	23	µg/L	4.92 U	4.99 U	4.93 U	4.99 U	4.94 U	4.97 U	5.0 U
	MCPP	16	µg/L	4.92 U	4.99 U	4.93 U	4.99 U	4.94 U	4.97 U	5.0 U
	Picloram	NE	µg/L	0.983 U	0.997 U	0.986 U	0.997 U	0.988 U	0.994 U	1.0 U
VOCs	1,1,1,2-Tetrachloroethane	1.7	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,1,1-Trichloroethane	200	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,1,2,2-Tetrachloroethane	0.20	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,1,2-Trichloroethane	0.35	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,1-Dichloroethane	1.0	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,1-Dichloroethylene	7.0	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,1-Dichloropropene	NE	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,2,3-Trichlorobenzene	NE	µg/L	0.27 U	0.25 U	0.25 U	0.27 U	0.27 U	0.20 U	0.20 U
	1,2,3-Trichloropropane	0.20	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,2,4-Trichlorobenzene	NE	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,2,4-Trimethylbenzene	80	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,2-Dibromo-3-Chloropropane	1.0	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dibromoethane	0.20	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,2-Dichlorobenzene	NE	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,2-Dichloroethane	0.50	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,2-Dichloropropane	0.60	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,3,5-Trimethylbenzene	80	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	1,3-Dichlorobenzene	NE	µg/L	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	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	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	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	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	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	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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Acetone	7,200	µg/L	5.0 U	**86**	5.0 U	5.0 U	5.0 U	6.6 U	6.6 U
	Benzene	0.44	µg/L	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromomethane	11	µg/L	0.33 U	0.27 U	0.20 U	0.33 U	0.33 U	0.20 U	0.20 U
	Carbon Disulfide	400	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.26 U	0.26 U
	Carbon Tetrachloride	0.20	µg/L	0.20 U	0.20 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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Chloroethane	19,000	µg/L	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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Chloromethane	150	µg/L	1.3 U	1.0 U	1.3 U	1.3 U	1.3 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	16	µg/L	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	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	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	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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Dichlorodifluoromethane	5.6	µg/L	0.31 U	0.26 U	0.30 U	0.31 U	0.31 U	0.20 U	0.20 U
	Ethylbenzene	29	µg/L	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	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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Methyl ethyl ketone (MEK)	4,800	µg/L	5.0 U	**12**	5.0 U	5.0 U	5.0 U	6.3 U	6.3 U
	Methyl Iodide	NE	µg/L	1.4 U	1.3 U	1.5 U	1.4 U	1.4 U	5.0 U	5.0 U
	Methyl isobutyl ketone	640	µg/L	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	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Naphthalene	NE	µg/L	1.3 U	1.0 U	1.0 U	1.3 U	1.3 U	1.3 U	1.3 U
	n-Butylbenzene	400	µg/L	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	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	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	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	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	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	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	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	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	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	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Vinyl Acetate	7,800	µg/L	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	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	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	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	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
SVOCs	1,2,4-Trichlorobenzene	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	1,2-Dichlorobenzene	600	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	1,2-Dinitrobenzene	1.6	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	1,2-Diphenylhydrazine	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	1,3-Dichlorobenzene	2.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	1,3-Dinitrobenzene	1.6	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U

				Location ID	MW2	MW3	MW5	MW6	MW7	MW8	
				Sample ID	MW2-211208	MW3-211206	MW5-211207	MW6-211209	MW7-211209	MW8-211213	DUP-211213
				Sample Date	12/8/2021	12/6/2021	12/7/2021	12/9/2021	12/9/2021	12/13/2021	12/13/2021
Method	**Analyte/Parameter**	**Groundwater Screening Level[1]**	**Units**								
SVOCs (continued)	1,4-Dichlorobenzene	4.9	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	1,4-Dinitrobenzene	1.6	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,2'-Oxybis[1-chloropropane]	NE	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,3,4,6-Tetrachlorophenol	480	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,3,5,6-Tetrachlorophenol	NE	µg/L	1.1 U	0.95 U	1.1 U	1.2 U	1.2 U	0.99 U	1.0 U
	2,3-Dichloroaniline	NE	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,4,5-Trichlorophenol	300	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,4,6-Trichlorophenol	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,4-Dichlorophenol	10	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,4-Dimethylphenol	85	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,4-Dinitrophenol	10	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	2,4-Dinitrotoluene	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2,6-Dinitrotoluene	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2-Chloronaphthalene	100	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2-Chlorophenol	15	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2-methylphenol	400	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2-Nitroaniline	160	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	2-Nitrophenol	NE	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	3&4-Methylphenol	400	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	3,3'-Dichlorobenzidine	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	3-Nitroaniline	NE	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	4,6-Dinitro-2-Methylphenol	5.0	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	4-Bromophenyl phenyl ether	NE	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	4-Chloro-3-Methylphenol	36	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	4-Chloroaniline	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	4-Chlorophenyl phenyl ether	NE	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	4-Nitroaniline	64	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	4-Nitrophenol	NE	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	Aniline	7.7	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	Benzidine	NE	µg/L	--	4.7 U	--	--	--	--	--
	Benzyl Alcohol	800	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Bis(2-Chloroethoxy)Methane	NE	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Bis(2-Chloroethyl)Ether	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Bis(2-Ethylhexyl) Phthalate	1.0	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	Butyl benzyl Phthalate	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Carbazole	5.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Di(2-ethylhexyl)adipate	NE	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	Dibenzofuran	NE	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Dibutyl Phthalate	8.0	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	Diethyl Phthalate	200	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	**4.7**	1.0 U
	Dimethyl Phthalate	600	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	Di-N-Octyl Phthalate	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Hexachlorobenzene	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Hexachlorobutadiene	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Hexachlorocyclopentadiene	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Hexachloroethane	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Isophorone	27	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Nitrobenzene	10	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	N-Nitrosodimethylamine	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	N-Nitrosodi-n-propylamine	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	N-Nitrosodiphenylamine	1.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Pentachlorophenol	5.0	µg/L	4.7 U	4.7 U	4.7 U	4.9 U	5.1 U	4.9 U	5.0 U
	Phenol	160	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
	Pyridine	8.0	µg/L	0.95 U	0.95 U	0.95 U	0.98 U	1.0 U	0.99 U	1.0 U
PAHs	1-Methylnaphthalene	1.5	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	2-Methylnaphthalene	32	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	Acenaphthene	30	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	Acenaphthylene	NE	µg/L	0.21 U	0.095 U	0.21 U	0.22 U	0.22 U	0.099 U	0.10 U
	Anthracene	100	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	Benzo(a)anthracene	NE	µg/L	0.0095 U	0.0095 U	0.0095 U	0.0098 U	0.010 U	0.0099 U	0.010 U
	Benzo(a)pyrene	NE	µg/L	0.0095 U	0.0095 U	0.0095 U	0.0098 U	0.010 U	0.0099 U	0.010 U
	Benzo(b)fluoranthene	NE	µg/L	0.0095 U	0.0095 U	0.0095 U	0.0098 U	0.010 U	0.0099 U	0.010 U
	Benzo(g,h,i)perylene	NE	µg/L	0.0095 U	0.0095 U	0.0095 U	0.0098 U	0.010 U	0.0099 U	0.010 U
	Benzo(j,k)fluoranthene	NE	µg/L	0.0095 U	0.0095 U	0.0095 U	**0.018**	**0.016**	0.0099 U	0.010 U
	Chrysene	NE	µg/L	0.0095 U	0.0095 U	0.0095 U	0.0098 U	0.010 U	0.0099 U	0.010 U
	Dibenzo(a,h)anthracene	NE	µg/L	0.0095 U	0.0095 U	0.0095 U	0.0098 U	0.010 U	0.0099 U	0.010 U
	Fluoranthene	0.10	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	Fluorene	10	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	Indeno(1,2,3-c,d)pyrene	NE	µg/L	0.0095 U	0.0095 U	0.0095 U	0.0098 U	0.010 U	0.0099 U	0.010 U
	Naphthalene	8.9	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	Phenanthrene	NE	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	Pyrene	0.10	µg/L	0.095 U	0.095 U	0.095 U	0.098 U	0.10 U	0.099 U	0.10 U
	Total cPAH TEQ (ND=0.5RL)	0.0076	µg/L	0.00717 U	0.00717 U	0.00717 U	**0.00871**	**0.00865**	0.00747 U	0.00755 U

			Location ID	MW2	MW3	MW5	MW6	MW7	MW8	
			Sample ID	MW2-211208	MW3-211206	MW5-211207	MW6-211209	MW7-211209	MW8-211213	DUP-211213
			Sample Date	12/8/2021	12/6/2021	12/7/2021	12/9/2021	12/9/2021	12/13/2021	12/13/2021
Method	**Analyte/Parameter**	**Groundwater Screening Level[1]**	**Units**							
PCB Aroclors	PCB-Aroclor 1016	NE	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 U
	PCB-Aroclor 1221	NE	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 U
	PCB-Aroclor 1232	NE	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 U
	PCB-Aroclor 1242	NE	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 U
	PCB-Aroclor 1248	NE	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 U
	PCB-Aroclor 1254	NE	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 U
	PCB-Aroclor 1260	NE	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 U
	Total PCB Aroclors	0.050	µg/L	0.047 U	0.047 U	0.048 U	0.048 U	0.047 U	0.049 U	0.049 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

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

Draft Seep and Surface Water Results

Go East Corp Landfill Site

Everett, Washington

			Location ID	SEEP-1	SWS-1
			Sample ID	SEEP-1-211208	SWS-1-211208
			Sample Date	12/8/2021	12/8/2021
Method	**Analyte**	**Surface Water Screening Level[1]**	**Units**		
Conventionals	Total Organic Carbon	NE	mg/L	**6.8**	**11**
	Ammonia (Total as N)	NE	mg/L as N	0.050 U	**2.5**
	Total Dissolved Solids	NE	mg/L	**160**	**490**
NWTPH-GX	Gasoline-range hydrocarbons	1	mg/L	--	0.100 U
NWTPH-DX	Diesel-range hydrocarbons	3	mg/L	--	**0.34**
	Lube oil-range hydrocarbons	3	mg/L	--	**0.30**
NWTPH-DXSG	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	3.3 U	3.3 U
	Cadmium	4.4	µg/L	--	4.4 U
	Chromium	NE	µg/L	--	11 U
	Copper	11	µg/L	--	11 U
	Iron	1,000	µg/L	**990**	**8,000**
	Lead	1.1	µg/L	--	1.1 U
	Manganese	50	µg/L	**15**	**1,800**
	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
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
Herbicides	2,4,5-T	NE	µg/L	--	0.987 U
	2,4,5-TP	100	µg/L	--	0.987 U
	2,4-D	1,300	µg/L	--	0.987 U
	2,4-DB	NE	µg/L	--	0.987 U
	3,5-Dichlorobenzoic Acid	NE	µg/L	--	0.987 U
	4-Nitrophenol	NE	µg/L	--	0.987 U
	Acifluorfen	NE	µg/L	--	4.93 U
	Bentazon	NE	µg/L	--	0.987 U
	Chloramben	NE	µg/L	--	0.987 U
	Chlorthal-dimethyl (DACTHAL)	NE	µg/L	--	1.97 U
	Dalapon	NE	µg/L	--	1.97 U
	Dicamba	NE	µg/L	--	0.987 U
	Dichlorprop	NE	µg/L	--	0.987 U
	Dinoseb	NE	µg/L	--	0.987 U
	MCPA	NE	µg/L	--	4.93 U
	MCPP	NE	µg/L	--	4.93 U
	Picloram	NE	µg/L	--	0.987 U
VOCs	1,1,1,2-Tetrachloroethane	NE	µg/L	--	0.20 U
	1,1,1-Trichloroethane	10,000	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	--	0.25 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

		Location ID	SEEP-1	SWS-1
		Sample ID	SEEP-1-211208	SWS-1-211208
		Sample Date	12/8/2021	12/8/2021
Method	**Analyte**	**Surface Water Screening Level[1]**	**Units**		
VOCs (continued)	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	--	1.3 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	--	0.30 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	--	1.5 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
	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
	2,2'-Oxybis[1-chloropropane]	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	--	1.2 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	--	5.1 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	8,000,000	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	--	5.1 U

		Location ID	SEEP-1	SWS-1
		Sample ID	SEEP-1-211208	SWS-1-211208
		Sample Date	12/8/2021	12/8/2021
Method	**Analyte**	**Surface Water Screening Level[1]**	**Units**		
SVOCs (continued)	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	4,600	µg/L	--	1.0 U
	4-Nitrophenol	NE	µg/L	--	5.1 U
	Aniline	NE	µg/L	--	5.1 U
	Benzidine	NE	µg/L	--	--
	Benzyl Alcohol	NE	µg/L	--	1.0 U
	Bis(2-Chloroethoxy)Methane	NE	µg/L	--	1.0 U
	Bis(2-Chloroethyl)Ether	1.0	µg/L	--	1.0 U
	Bis(2-Ethylhexyl) Phthalate	1.0	µg/L	--	5.1 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	--	5.1 U
	Dibenzofuran	NE	µg/L	--	1.0 U
	Dibutyl Phthalate	8.0	µg/L	--	5.1 U
	Diethyl Phthalate	200	µg/L	--	1.0 U
	Dimethyl Phthalate	600	µg/L	--	5.1 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	--	**5.7**
	Phenol	160	µg/L	--	1.0 U
	Pyridine	NE	µg/L	--	1.0 U
PAHs	1-Methylnaphthalene	NE	µg/L	--	0.10 U
	2-Methylnaphthalene	NE	µg/L	--	0.10 U
	Acenaphthene	30	µg/L	--	**1.3**
	Acenaphthylene	NE	µg/L	--	0.22 U
	Anthracene	100	µg/L	--	**0.13**
	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	--	**0.22**
	Fluorene	10	µg/L	--	**0.46**
	Indeno(1,2,3-c,d)pyrene	NE	µg/L	--	0.010 U
	Naphthalene	1,400	µg/L	--	0.10 U
	Phenanthrene	NE	µg/L	--	0.10 U
	Pyrene	0.10	µg/L	--	**0.15**
	Total cPAH TEQ (ND=0.5RL)	0.0076	µg/L	--	0.00755 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

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

NWTPH-DXSG = Northwest total petroleum hydrocarbons - diesel range passed through a silica gel column

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

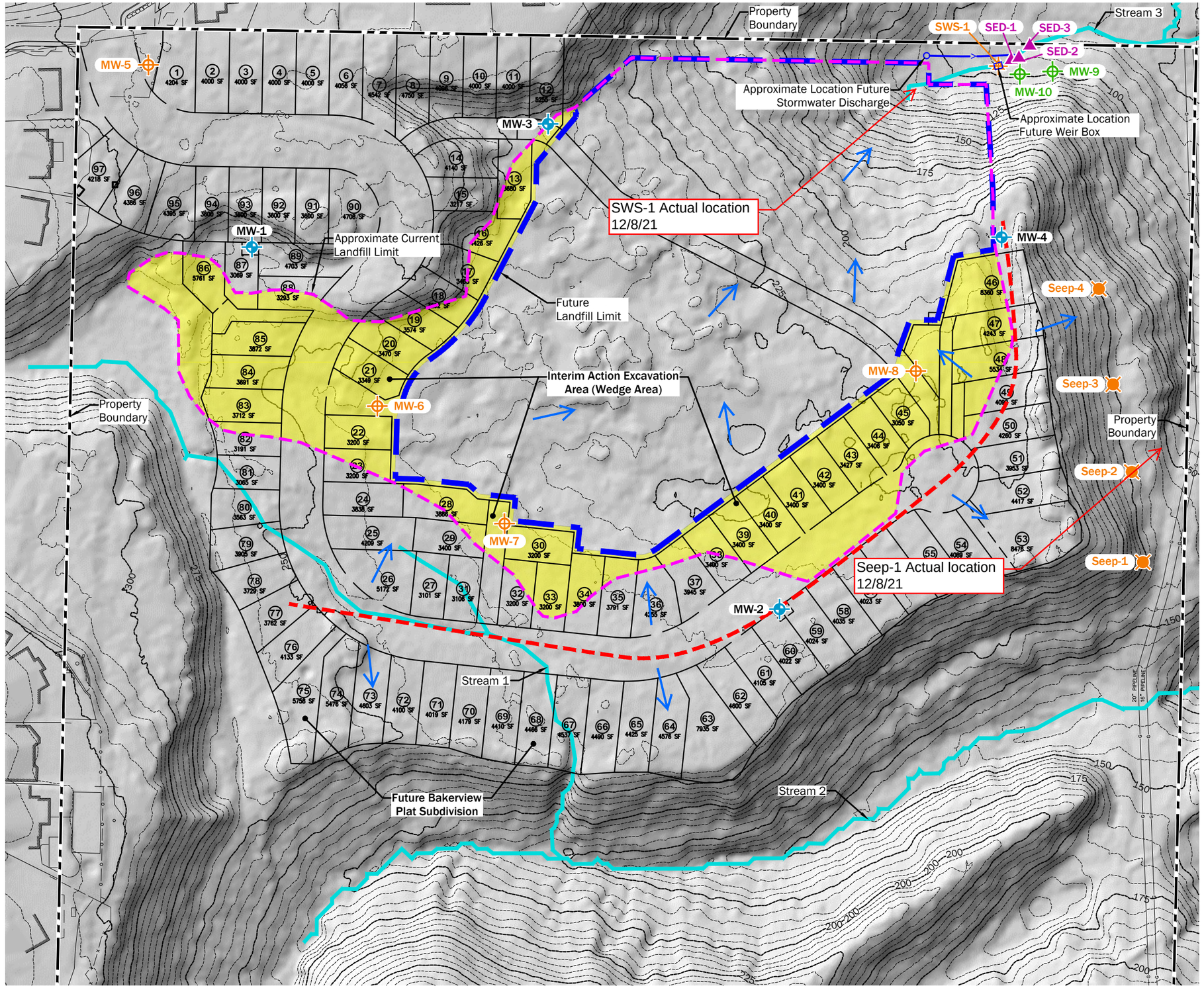
-- = Not applicable

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



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:

1. The locations of all features shown are approximate.
2. 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.
3. 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

N W E S

120 0 120
Feet

Remedial Investigation Sampling Locations

Go East Corp Landfill Site
Everett, Washington

GeoEngineers

Figure 1

APPENDIX A
Laboratory Data Deliverables

MW-3

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

December 17, 2021

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

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2112-075

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on December 7, 2021.

Please note that the data for the subcontracted analyses will follow in the final report.

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,

David Baumeister
Project Manager

Enclosures

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

Case Narrative

Samples were collected on December 6, 2021 and received by the laboratory on December 7, 2021. 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) Analysis EPA 353.2

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. 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: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW3-211206	12-075-01	Water	12-6-21	12-7-21	
TB-211206	12-075-02	Water	12-6-21	12-7-21	

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Gasoline	**ND**	100	NWTPH-Gx	12-8-21	12-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*66-117*				

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-8-21	12-9-21	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-8-21	12-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*87*	*50-150*				

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	12-8-21	12-8-21	
Chloromethane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromomethane	ND	0.27	EPA 8260D	12-8-21	12-8-21	
Chloroethane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Acetone	86	5.0	EPA 8260D	12-8-21	12-8-21	
Iodomethane	ND	1.3	EPA 8260D	12-8-21	12-8-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-8-21	12-8-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-8-21	12-8-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Butanone	12	5.0	EPA 8260D	12-8-21	12-8-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Chloroform	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Benzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Trichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Dibromomethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-8-21	12-8-21	
Toluene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW3-211206**					
Laboratory ID:	12-075-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Hexanone	ND	2.0	EPA 8260D	12-8-21	12-8-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-8-21	12-8-21	
o-Xylene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Styrene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromoform	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Naphthalene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	12-8-21	12-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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:	**TB-211206**					
Laboratory ID:	12-075-02					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	12-8-21	12-8-21	
Chloromethane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromomethane	ND	0.27	EPA 8260D	12-8-21	12-8-21	
Chloroethane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Acetone	ND	5.0	EPA 8260D	12-8-21	12-8-21	
Iodomethane	ND	1.3	EPA 8260D	12-8-21	12-8-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-8-21	12-8-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-8-21	12-8-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Butanone	ND	5.0	EPA 8260D	12-8-21	12-8-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Chloroform	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Benzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Trichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Dibromomethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-8-21	12-8-21	
Toluene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-211206**					
Laboratory ID:	12-075-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Hexanone	ND	2.0	EPA 8260D	12-8-21	12-8-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-8-21	12-8-21	
o-Xylene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Styrene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromoform	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Naphthalene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	12-8-21	12-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW3-211206**					
Laboratory ID:	12-075-01					
n-Nitrosodimethylamine	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Pyridine	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Phenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Aniline	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
bis(2-Chloroethyl)ether	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2-Chlorophenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
1,3-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
1,4-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Benzyl alcohol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
1,2-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2-Methylphenol (o-Cresol)	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
bis(2-Chloroisopropyl)ether	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
n-Nitroso-di-n-propylamine	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Hexachloroethane	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Nitrobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Isophorone	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2-Nitrophenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2,4-Dimethylphenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
bis(2-Chloroethoxy)methane	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2,4-Dichlorophenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
1,2,4-Trichlorobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Naphthalene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
4-Chloroaniline	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Hexachlorobutadiene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
4-Chloro-3-methylphenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2-Methylnaphthalene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
1-Methylnaphthalene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
Hexachlorocyclopentadiene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2,4,6-Trichlorophenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2,3-Dichloroaniline	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2,4,5-Trichlorophenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2-Chloronaphthalene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2-Nitroaniline	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
1,4-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Dimethylphthalate	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
1,3-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2,6-Dinitrotoluene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
1,2-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Acenaphthylene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
3-Nitroaniline	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW3-211206**					
Laboratory ID:	12-075-01					
2,4-Dinitrophenol	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
Acenaphthene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
4-Nitrophenol	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
2,4-Dinitrotoluene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Dibenzofuran	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2,3,5,6-Tetrachlorophenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
2,3,4,6-Tetrachlorophenol	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Diethylphthalate	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
4-Chlorophenyl-phenylether	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
4-Nitroaniline	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Fluorene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
4,6-Dinitro-2-methylphenol	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
n-Nitrosodiphenylamine	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
1,2-Diphenylhydrazine	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
4-Bromophenyl-phenylether	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Hexachlorobenzene	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Pentachlorophenol	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
Phenanthrene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
Anthracene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
Carbazole	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Di-n-butylphthalate	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
Fluoranthene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
Benzidine	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
Pyrene	**ND**	0.095	EPA 8270E/SIM	12-8-21	12-8-21	
Butylbenzylphthalate	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
bis-2-Ethylhexyladipate	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
3,3'-Dichlorobenzidine	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Benzo[a]anthracene	**ND**	0.0095	EPA 8270E/SIM	12-8-21	12-8-21	
Chrysene	**ND**	0.0095	EPA 8270E/SIM	12-8-21	12-8-21	
bis(2-Ethylhexyl)phthalate	**ND**	4.7	EPA 8270E	12-8-21	12-8-21	
Di-n-octylphthalate	**ND**	0.95	EPA 8270E	12-8-21	12-8-21	
Benzo[b]fluoranthene	**ND**	0.0095	EPA 8270E/SIM	12-8-21	12-8-21	
Benzo(j,k)fluoranthene	**ND**	0.0095	EPA 8270E/SIM	12-8-21	12-8-21	
Benzo[a]pyrene	**ND**	0.0095	EPA 8270E/SIM	12-8-21	12-8-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.0095	EPA 8270E/SIM	12-8-21	12-8-21	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270E/SIM	12-8-21	12-8-21	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270E/SIM	12-8-21	12-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*38*	*10 - 82*				
Phenol-d6	*28*	*10 - 92*				
Nitrobenzene-d5	*59*	*32 - 105*				
2-Fluorobiphenyl	*64*	*38 - 105*				
2,4,6-Tribromophenol	*77*	*25 - 124*				
Terphenyl-d14	*69*	*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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Aroclor 1016	**ND**	0.047	EPA 8082A	12-9-21	12-15-21	
Aroclor 1221	**ND**	0.047	EPA 8082A	12-9-21	12-15-21	
Aroclor 1232	**ND**	0.047	EPA 8082A	12-9-21	12-15-21	
Aroclor 1242	**ND**	0.047	EPA 8082A	12-9-21	12-15-21	
Aroclor 1248	**ND**	0.047	EPA 8082A	12-9-21	12-15-21	
Aroclor 1254	**ND**	0.047	EPA 8082A	12-9-21	12-15-21	
Aroclor 1260	**ND**	0.047	EPA 8082A	12-9-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*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:	**MW3-211206**					
Laboratory ID:	12-075-01					
alpha-BHC	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
beta-BHC	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
delta-BHC	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Heptachlor	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Aldrin	**ND**	0.0019	EPA 8081B	12-9-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0028	EPA 8081B	12-9-21	12-13-21	
gamma-Chlordane	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
alpha-Chlordane	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
4,4'-DDE	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Endosulfan I	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Dieldrin	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Endrin	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
4,4'-DDD	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Endosulfan II	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
4,4'-DDT	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Endrin Aldehyde	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Methoxychlor	**ND**	0.0095	EPA 8081B	12-9-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0047	EPA 8081B	12-9-21	12-13-21	
Endrin Ketone	**ND**	0.019	EPA 8081B	12-9-21	12-13-21	
Toxaphene	**ND**	0.047	EPA 8081B	12-9-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*50*	*25-114*				
DCB	*66*	*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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Arsenic	**3.6**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Iron	**110**	56	EPA 200.7	12-13-21	12-13-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Magnesium	**15000**	1100	EPA 200.7	12-13-21	12-13-21	
Manganese	**190**	11	EPA 200.7	12-13-21	12-13-21	
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	

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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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Arsenic	**3.4**	3.0	EPA 200.8		12-10-21	
Cadmium	**ND**	4.0	EPA 200.8		12-10-21	
Calcium	**23000**	1100	EPA 200.7		12-10-21	
Chromium	**ND**	10	EPA 200.8		12-10-21	
Copper	**ND**	10	EPA 200.8		12-10-21	
Iron	**ND**	56	EPA 200.7		12-10-21	
Lead	**ND**	1.0	EPA 200.8		12-10-21	
Magnesium	**14000**	1100	EPA 200.7		12-10-21	
Manganese	**170**	11	EPA 200.7		12-10-21	
Mercury	**ND**	0.025	EPA 7470A		12-17-21	
Nickel	**ND**	20	EPA 200.8		12-10-21	
Potassium	**1900**	1100	EPA 200.7		12-10-21	
Selenium	**ND**	5.0	EPA 200.8		12-10-21	
Sodium	**8200**	1100	EPA 200.7		12-10-21	
Zinc	**ND**	25	EPA 200.8		12-10-21	

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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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Total Alkalinity	**110**	2.0	SM 2320B	12-10-21	12-10-21	

Date of Report: December 17, 2021
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BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW3-211206**					
Laboratory ID:	12-075-01					
Bicarbonate Concentration	**110**	2.0	SM 2320B	12-10-21	12-10-21	

Date of Report: December 17, 2021
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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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Total Dissolved Solids	**140**	13	SM 2540C	12-13-21	12-14-21	

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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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Chloride	**6.3**	2.0	SM 4500-Cl E	12-14-21	12-14-21	

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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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:	**MW3-211206**					
Laboratory ID:	12-075-01					
Nitrate	**ND**	0.050	EPA 353.2	12-10-21	12-10-21	

Date of Report: December 17, 2021
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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW3-211206**					
Laboratory ID:	12-075-01					
Sulfate	**14**	5.0	ASTM D516-11	12-10-21	12-10-21	

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW3-211206**					
Laboratory ID:	12-075-01					
Ammonia	**0.059**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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:	MB1208W1					
Gasoline	**ND**	100	NWTPH-Gx	12-8-21	12-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-075-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*95*	*66-117*			

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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:	MB1208W1					
Diesel Range Organics	**ND**	0.15	NWTPH-Dx	12-8-21	12-8-21	
Lube Oil Range Organics	**ND**	0.15	NWTPH-Dx	12-8-21	12-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB1208W1										
	ORIG	DUP									
Diesel Fuel #2	**0.424**	**0.352**	NA	NA		NA		NA	19	NA	
Surrogate:											
o-Terphenyl						*90*	*83*	*50-150*			

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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:	MB1208W1					
Dichlorodifluoromethane	ND	0.26	EPA 8260D	12-8-21	12-8-21	
Chloromethane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromomethane	ND	0.27	EPA 8260D	12-8-21	12-8-21	
Chloroethane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Acetone	ND	5.0	EPA 8260D	12-8-21	12-8-21	
Iodomethane	ND	1.3	EPA 8260D	12-8-21	12-8-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-8-21	12-8-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-8-21	12-8-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Butanone	ND	5.0	EPA 8260D	12-8-21	12-8-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Chloroform	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Benzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Trichloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Dibromomethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-8-21	12-8-21	
Toluene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-8-21	12-8-21	

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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:	MB1208W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Hexanone	ND	2.0	EPA 8260D	12-8-21	12-8-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-8-21	12-8-21	
o-Xylene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Styrene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromoform	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Bromobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-8-21	12-8-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-8-21	12-8-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-8-21	12-8-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
Naphthalene	ND	1.0	EPA 8260D	12-8-21	12-8-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	12-8-21	12-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1208W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.5**	**10.6**	10.0	10.0	105	106	78-125	1	19	
Benzene	**10.7**	**10.6**	10.0	10.0	107	106	80-119	1	16	
Trichloroethene	**10.5**	**10.4**	10.0	10.0	105	104	80-121	1	18	
Toluene	**10.3**	**10.3**	10.0	10.0	103	103	80-117	0	18	
Chlorobenzene	**9.77**	**9.71**	10.0	10.0	98	97	80-117	1	17	
Surrogate:										
Dibromofluoromethane					*101*	*100*	*75-127*			
Toluene-d8					*100*	*100*	*80-127*			
4-Bromofluorobenzene					*103*	*102*	*78-125*			

Date of Report: December 17, 2021
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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:	MB1208W1					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Pyridine	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Phenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Aniline	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Isophorone	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Dimethylphthalate	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Acenaphthylene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	

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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:	MB1208W1					
2,4-Dinitrophenol	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
Acenaphthene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
4-Nitrophenol	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Fluorene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Pentachlorophenol	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
Anthracene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
Carbazole	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Di-n-butylphthalate	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
Fluoranthene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
Benzidine	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
Pyrene	**ND**	0.10	EPA 8270E/SIM	12-8-21	12-8-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
bis-2-Ethylhexyladipate	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-8-21	12-8-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-8-21	12-8-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.0	EPA 8270E	12-8-21	12-8-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-8-21	12-8-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-8-21	12-8-21	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-8-21	12-8-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-8-21	12-8-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-8-21	12-8-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-8-21	12-8-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-8-21	12-8-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*44*	*10 - 82*				
Phenol-d6	*32*	*10 - 92*				
Nitrobenzene-d5	*63*	*32 - 105*				
2-Fluorobiphenyl	*66*	*38 - 105*				
2,4,6-Tribromophenol	*80*	*25 - 124*				
Terphenyl-d14	*68*	*42 - 116*				

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
Laboratory Reference: 2112-075
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:	12-069-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**97.4**	**108**	160	160	ND	61	68	20 - 108	10	24	
2-Chlorophenol	**125**	**124**	160	160	ND	78	78	24 - 105	1	32	
1,4-Dichlorobenzene	**57.5**	**56.3**	80.0	80.0	ND	72	70	24 - 100	2	36	
n-Nitroso-di-n-propylamine	**87.7**	**89.8**	80.0	80.0	ND	110	112	21 - 143	2	30	
1,2,4-Trichlorobenzene	**60.2**	**59.8**	80.0	80.0	ND	75	75	34 - 105	1	34	
4-Chloro-3-methylphenol	**130**	**133**	160	160	ND	81	83	44 - 113	2	21	
Acenaphthene	**63.4**	**63.4**	80.0	80.0	ND	79	79	47 - 106	0	19	
4-Nitrophenol	**133**	**140**	160	160	ND	83	88	20 - 127	5	37	
2,4-Dinitrotoluene	**60.1**	**59.5**	80.0	80.0	ND	75	74	45 - 106	1	19	
Pentachlorophenol	**153**	**156**	160	160	ND	96	98	20 - 136	2	39	
Pyrene	**62.5**	**62.9**	80.0	80.0	ND	78	79	47 - 112	1	23	
Surrogate:											
2-Fluorophenol						*56*	*59*	*10 - 82*			
Phenol-d6						*54*	*60*	*10 - 92*			
Nitrobenzene-d5						*64*	*64*	*32 - 105*			
2-Fluorobiphenyl						*70*	*69*	*38 - 105*			
2,4,6-Tribromophenol						*75*	*77*	*25 - 124*			
Terphenyl-d14						*68*	*67*	*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:	MB1209W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-9-21	12-13-21	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-9-21	12-13-21	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-9-21	12-13-21	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-9-21	12-13-21	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-9-21	12-13-21	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-9-21	12-13-21	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-9-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*42-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1209W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.449**	**0.468**	0.500	0.500	N/A	**90**	**94**	73-131	4	12	
Surrogate:											
DCB						*93*	*91*	*42-140*			

Date of Report: December 17, 2021
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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:	MB1209W1					
alpha-BHC	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
gamma-BHC (Lindane)	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
beta-BHC	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
delta-BHC	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Heptachlor	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Aldrin	**ND**	0.0020	EPA 8081B	12-9-21	12-9-21	
Heptachlor Epoxide	**ND**	0.0030	EPA 8081B	12-9-21	12-9-21	
gamma-Chlordane	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
alpha-Chlordane	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
4,4'-DDE	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Endosulfan I	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Dieldrin	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Endrin	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
4,4'-DDD	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Endosulfan II	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
4,4'-DDT	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Endrin Aldehyde	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Methoxychlor	**ND**	0.010	EPA 8081B	12-9-21	12-9-21	
Endosulfan Sulfate	**ND**	0.0050	EPA 8081B	12-9-21	12-9-21	
Endrin Ketone	**ND**	0.020	EPA 8081B	12-9-21	12-9-21	
Toxaphene	**ND**	0.050	EPA 8081B	12-9-21	12-9-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*60*	*25-114*				
DCB	*79*	*30-137*				

Date of Report: December 17, 2021
Samples Submitted: December 7, 2021
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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:	SB1209W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	**0.0734**	**0.0743**	0.100	0.100	N/A	**73**	**74**	42-113	1	19	
gamma-BHC (Lindane)	**0.0735**	**0.0767**	0.100	0.100	N/A	**74**	**77**	45-114	4	15	
beta-BHC	**0.0725**	**0.0745**	0.100	0.100	N/A	**73**	**74**	40-118	3	15	
delta-BHC	**0.0608**	**0.0624**	0.100	0.100	N/A	**61**	**62**	20-125	3	15	
Heptachlor	**0.0723**	**0.0779**	0.100	0.100	N/A	**72**	**78**	41-120	7	16	
Aldrin	**0.0720**	**0.0751**	0.100	0.100	N/A	**72**	**75**	35-115	4	15	
Heptachlor Epoxide	**0.0780**	**0.0817**	0.100	0.100	N/A	**78**	**82**	50-118	5	15	
gamma-Chlordane	**0.0738**	**0.0746**	0.100	0.100	N/A	**74**	**75**	46-110	1	15	
alpha-Chlordane	**0.0739**	**0.0744**	0.100	0.100	N/A	**74**	**74**	38-112	1	15	
4,4'-DDE	**0.0765**	**0.0794**	0.100	0.100	N/A	**76**	**79**	41-127	4	15	
Endosulfan I	**0.0773**	**0.0804**	0.100	0.100	N/A	**77**	**80**	45-119	4	15	
Dieldrin	**0.0833**	**0.0831**	0.100	0.100	N/A	**83**	**83**	46-115	0	15	
Endrin	**0.0836**	**0.0848**	0.100	0.100	N/A	**84**	**85**	52-124	1	15	
4,4'-DDD	**0.0845**	**0.0892**	0.100	0.100	N/A	**85**	**89**	52-121	5	15	
Endosulfan II	**0.0781**	**0.0814**	0.100	0.100	N/A	**78**	**81**	44-114	4	15	
4,4'-DDT	**0.0888**	**0.0891**	0.100	0.100	N/A	**89**	**89**	48-123	0	15	
Endrin Aldehyde	**0.0931**	**0.0973**	0.100	0.100	N/A	**93**	**97**	45-114	4	15	
Methoxychlor	**0.102**	**0.105**	0.100	0.100	N/A	**102**	**105**	49-130	3	15	
Endosulfan Sulfate	**0.0733**	**0.0784**	0.100	0.100	N/A	**73**	**78**	39-117	7	15	
Endrin Ketone	**0.0740**	**0.0793**	0.100	0.100	N/A	**74**	**79**	53-119	7	15	
Surrogate:											
TCMX						*56*	*58*	*25-114*			
DCB						*66*	*70*	*30-137*			

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Project: 6694-002-05 T700

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:	MB1213WH1					
Iron	**ND**	56	EPA 200.7	12-13-21	12-13-21	
Magnesium	**ND**	1100	EPA 200.7	12-13-21	12-13-21	
Manganese	**ND**	11	EPA 200.7	12-13-21	12-13-21	
Laboratory ID:	MB1213WM1					
Arsenic	**ND**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	
Laboratory ID:	MB1215W2					
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	

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TOTAL METALS
EPA 200.7/200.8/7470A
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:	12-084-01									
	ORIG	DUP								
Iron	**8040**	**8100**	NA	NA		NA	NA	1	20	
Magnesium	**32900**	**33700**	NA	NA		NA	NA	2	20	
Manganese	**1810**	**1840**	NA	NA		NA	NA	2	20	
Laboratory ID:	12-089-01									
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:	12-108-01									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	12-084-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	**33800**	**34400**	22200	22200	8040	**116**	**119**	75-125	2	20
Magnesium	**58700**	**59300**	22200	22200	32900	**116**	**119**	75-125	1	20
Manganese	**2380**	**2370**	556	556	1810	**102**	**100**	75-125	0	20
Laboratory ID:	12-089-01									
Arsenic	**128**	**132**	111	111	ND	**116**	**119**	75-125	3	20
Cadmium	**124**	**130**	111	111	ND	**112**	**117**	75-125	5	20
Chromium	**118**	**124**	111	111	ND	**107**	**112**	75-125	5	20
Copper	**112**	**117**	111	111	ND	**101**	**105**	75-125	4	20
Lead	**116**	**120**	111	111	ND	**104**	**108**	75-125	4	20
Nickel	**115**	**121**	111	111	ND	**104**	**109**	75-125	5	20
Selenium	**126**	**133**	111	111	ND	**114**	**120**	75-125	5	20
Zinc	**116**	**122**	111	111	ND	**105**	**110**	75-125	5	20
Laboratory ID:	12-108-01									
Mercury	**5.60**	**5.58**	6.25	6.25	ND	**90**	**89**	75-125	0	20

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Project: 6694-002-05 T700

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:	MB1210D1					
Calcium	**ND**	1100	EPA 200.7		12-10-21	
Iron	**ND**	56	EPA 200.7		12-10-21	
Magnesium	**ND**	1100	EPA 200.7		12-10-21	
Manganese	**ND**	11	EPA 200.7		12-10-21	
Potassium	**ND**	1100	EPA 200.7		12-10-21	
Sodium	**ND**	1100	EPA 200.7		12-10-21	
Laboratory ID:	MB1209F1					
Arsenic	**ND**	3.0	EPA 200.8	12-9-21	12-10-21	
Cadmium	**ND**	4.0	EPA 200.8	12-9-21	12-10-21	
Chromium	**ND**	10	EPA 200.8	12-9-21	12-10-21	
Copper	**ND**	10	EPA 200.8	12-9-21	12-10-21	
Lead	**ND**	1.0	EPA 200.8	12-9-21	12-10-21	
Nickel	**ND**	20	EPA 200.8	12-9-21	12-10-21	
Selenium	**ND**	5.0	EPA 200.8	12-9-21	12-10-21	
Zinc	**ND**	25	EPA 200.8	12-9-21	12-10-21	
Laboratory ID:	MB1217D1					
Mercury	**ND**	0.025	EPA 7470A		12-17-21	

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DISSOLVED METALS
EPA 200.7/200.8/7470A
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:	12-104-01										
	ORIG	DUP									
Calcium	**4460**	**4440**	NA	NA		NA		NA	0	20	
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Magnesium	**2740**	**2720**	NA	NA		NA		NA	1	20	
Manganese	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Potassium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Sodium	**2780**	**2120**	NA	NA		NA		NA	27	20	C
Laboratory ID:	12-104-01										
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	**13.9**	**15.6**	NA	NA		NA		NA	11	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:	12-108-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	12-104-01										
	MS	MSD	MS	MSD		MS	MSD				
Calcium	**27800**	**27600**	22200	22200	4460	**105**	**104**	75-125	0	20	
Iron	**25100**	**25100**	22200	22200	ND	**113**	**113**	75-125	0	20	
Magnesium	**27800**	**27900**	22200	22200	2740	**113**	**113**	75-125	0	20	
Manganese	**583**	**581**	556	556	ND	**105**	**104**	75-125	0	20	
Potassium	**23300**	**23200**	22200	22200	ND	**105**	**105**	75-125	0	20	
Sodium	**28400**	**28000**	22200	22200	2780	**116**	**114**	75-125	2	20	
Laboratory ID:	12-104-01										
Arsenic	**83.8**	**76.2**	80.0	80.0	ND	**105**	**95**	75-125	9	20	
Cadmium	**79.2**	**78.0**	80.0	80.0	ND	**99**	**98**	75-125	2	20	
Chromium	**77.4**	**73.6**	80.0	80.0	ND	**97**	**92**	75-125	5	20	
Copper	**91.0**	**87.8**	80.0	80.0	13.9	**96**	**92**	75-125	4	20	
Lead	**76.6**	**76.0**	80.0	80.0	ND	**96**	**95**	75-125	1	20	
Nickel	**75.6**	**72.4**	80.0	80.0	ND	**95**	**91**	75-125	4	20	
Selenium	**76.2**	**75.4**	80.0	80.0	ND	**95**	**94**	75-125	1	20	
Zinc	**94.6**	**91.0**	80.0	80.0	14.1	**101**	**96**	75-125	4	20	
Laboratory ID:	12-108-01										
Mercury	**5.78**	**5.75**	6.25	6.25	ND	**92**	**92**	75-125	0	20	

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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:	MB1210W1					
Total Alkalinity	**ND**	2.0	SM 2320B	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-075-01								
	ORIG	DUP							
Total Alkalinity	**108**	**108**	NA	NA	NA	NA	0	10	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Total Alkalinity	**94.0**		100	NA	94	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:	MB1210W1					
Bicarbonate Concentration	**ND**	2.0	SM 2320B	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-075-01								
	ORIG	DUP							
Total Alkalinity	**108**	**108**	NA	NA	NA	NA	0	10	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Total Alkalinity	**94.0**		100	NA	94	89-110	NA	NA	

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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:	MB1213W1					
Total Dissolved Solids	**ND**	13	SM 2540C	12-13-21	12-14-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-085-01								
	ORIG	DUP							
Total Dissolved Solids	**159**	**153**	NA	NA	NA	NA	4	29	
SPIKE BLANK									
Laboratory ID:	SB1213W1								
	SB		SB		SB				
Total Dissolved Solids	**477**		500	NA	95	84-110	NA	NA	

Date of Report: December 17, 2021
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Laboratory Reference: 2112-075
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:	MB1214W1					
Chloride	**ND**	2.0	SM 4500-Cl E	12-14-21	12-14-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-086-01								
	ORIG	DUP							
Chloride	**4.05**	**4.11**	NA	NA	NA	NA	1	15	
MATRIX SPIKE									
Laboratory ID:	12-086-01								
	MS		MS		MS				
Chloride	**58.8**		50.0	4.05	110	86-115	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1214W1								
	SB		SB		SB				
Chloride	**55.9**		50.0	NA	112	86-115	NA	NA	

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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:	MB1210W1					
Nitrate	**ND**	0.050	EPA 353.2	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-086-01								
	ORIG	DUP							
Nitrate	**0.460**	**0.450**	NA	NA	NA	NA	2	16	
MATRIX SPIKE									
Laboratory ID:	12-086-01								
	MS		MS		MS				
Nitrate	**2.92**		2.00	0.460	123	92-125	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Nitrate	**2.15**		2.00	NA	108	90-121	NA	NA	

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SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1210W1					
Sulfate	**ND**	5.0	ASTM D516-11	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-075-01								
	ORIG	DUP							
Sulfate	**13.9**	**13.9**	NA	NA	NA	NA	0	10	
MATRIX SPIKE									
Laboratory ID:	12-075-01								
	MS		MS		MS				
Sulfate	**22.5**		10.0	13.9	86	69-139	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Sulfate	**10.0**		10.0	NA	100	89-117	NA	NA	

Date of Report: December 17, 2021
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Laboratory Reference: 2112-075
Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1213W1					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-086-01							
	ORIG DUP							
Ammonia	**ND** **ND**	NA	NA	NA	NA	NA	19	
MATRIX SPIKE								
Laboratory ID:	12-086-01							
	MS	MS		MS				
Ammonia	**4.82**	5.00	ND	96	80-113	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB1213W1							
	SB	SB		SB				
Ammonia	**4.99**	5.00	NA	100	88-110	NA	NA	

OnSite Environmental Inc.

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

Chain of Custody

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

Page _____ of _____

Laboratory Number: 12-075

Company:	GeoEngineers
Project Number:	6694600205
Project Name:	Go East
Project Manager:	Garrett League
Sampled by:	Dexter Chan

Turnaround Request (in working days)

(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	NWTPH-Gx	NWTPH-Dx (☐ 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	TCLP Metals	HEM (oil and grease) 1664A ~~TDS~~	T/D Metals by EPA 200.7/200.8 3/245.1/7470A *	diss. metals *	Alkalinity & bicarbonate SM 2320B	Ca, K, ~~Mg~~, Na 200.7/200.8 -Dissolved	%Moisture Cl, NO3, SO4, NH3
1	MW3-211206	12/6/21	1545	W	~~17~~ 8			X	X	X			X		X	X		X				X	X	X	X	X	X
2	TB-211206	—	—	W	1					X																		

	Signature	Company	Date	Time
Relinquished		GeoEngineers	12/7/21	
Received		Alpha Courier	12.7.21	11:33
Relinquished		Alpha Courier	12-7-21	1602
Received			12/7/21	1621
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

please refer to Garrett for full list
* T/D metals - 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) ☐

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

SWS-1
Seep-1

December 21, 2021

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

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2112-084

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on December 8, 2021.

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,

David Baumeister
Project Manager

Enclosures

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
Project: 6694-002-05 T700

Case Narrative

Samples were collected on December 8, 2021 and received by the laboratory on December 8, 2021. 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: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SWS-1-211208	12-084-01	Water	12-8-21	12-8-21	
Seep-1-211208	12-084-02	Water	12-8-21	12-8-21	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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-1-211208**					
Laboratory ID:	12-084-01					
Gasoline	**ND**	100	NWTPH-Gx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*66-117*				

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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-1-211208**					
Laboratory ID:	12-084-01					
Diesel Range Organics	**0.34**	0.22	NWTPH-Dx	12-13-21	12-16-21	
Lube Oil Range Organics	**0.30**	0.22	NWTPH-Dx	12-13-21	12-16-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**SWS-1-211208**					
Laboratory ID:	12-084-01					
Diesel Range Organics	**ND**	0.22	NWTPH-Dx	12-13-21	12-16-21	X1
Lube Oil Range Organics	**ND**	0.22	NWTPH-Dx	12-13-21	12-16-21	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*100*	*50-150*				

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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-1-211208**					
Laboratory ID:	12-084-01					
Dichlorodifluoromethane	ND	0.30	EPA 8260D	12-10-21	12-10-21	
Chloromethane	ND	1.3	EPA 8260D	12-10-21	12-10-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromomethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chloroethane	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Acetone	ND	5.0	EPA 8260D	12-10-21	12-10-21	
Iodomethane	ND	1.5	EPA 8260D	12-10-21	12-10-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-10-21	12-10-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-10-21	12-10-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Butanone	ND	5.0	EPA 8260D	12-10-21	12-10-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chloroform	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Benzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Trichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Dibromomethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-10-21	12-10-21	
Toluene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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-1-211208**					
Laboratory ID:	12-084-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Hexanone	ND	2.0	EPA 8260D	12-10-21	12-10-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-10-21	12-10-21	
o-Xylene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Styrene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromoform	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-10-21	12-10-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Naphthalene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	12-10-21	12-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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:	**SWS-1-211208**					
Laboratory ID:	12-084-01					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pyridine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Phenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Aniline	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Isophorone	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dimethylphthalate	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Acenaphthylene	**ND**	0.22	EPA 8270E/SIM	12-14-21	12-14-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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:	**SWS-1-211208**					
Laboratory ID:	12-084-01					
2,4-Dinitrophenol	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
Acenaphthene	**1.3**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Nitrophenol	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.2	EPA 8270E	12-14-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Fluorene	**0.46**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4,6-Dinitro-2-methylphenol	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pentachlorophenol	**5.7**	5.1	EPA 8270E	12-14-21	12-17-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Anthracene	**0.13**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Carbazole	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Di-n-butylphthalate	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
Fluoranthene	**0.22**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Pyrene	**0.15**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*42*	*10 - 82*				
Phenol-d6	*31*	*10 - 92*				
Nitrobenzene-d5	*62*	*32 - 105*				
2-Fluorobiphenyl	*69*	*38 - 105*				
2,4,6-Tribromophenol	*94*	*25 - 124*				
Terphenyl-d14	*71*	*42 - 116*				

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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:	**SWS-1-211208**					
Laboratory ID:	12-084-01					
Aroclor 1016	**ND**	0.052	EPA 8082A	12-13-21	12-15-21	
Aroclor 1221	**ND**	0.052	EPA 8082A	12-13-21	12-15-21	
Aroclor 1232	**ND**	0.052	EPA 8082A	12-13-21	12-15-21	
Aroclor 1242	**ND**	0.052	EPA 8082A	12-13-21	12-15-21	
Aroclor 1248	**ND**	0.052	EPA 8082A	12-13-21	12-15-21	
Aroclor 1254	**ND**	0.052	EPA 8082A	12-13-21	12-15-21	
Aroclor 1260	**ND**	0.052	EPA 8082A	12-13-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*42-140*				

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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:	**SWS-1-211208**					
Laboratory ID:	12-084-01					
alpha-BHC	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
beta-BHC	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
delta-BHC	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Heptachlor	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Aldrin	**ND**	0.0021	EPA 8081B	12-13-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0031	EPA 8081B	12-13-21	12-13-21	
gamma-Chlordane	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
alpha-Chlordane	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
4,4'-DDE	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Endosulfan I	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Dieldrin	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Endrin	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
4,4'-DDD	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Endosulfan II	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
4,4'-DDT	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Endrin Aldehyde	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Methoxychlor	**ND**	0.010	EPA 8081B	12-13-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0052	EPA 8081B	12-13-21	12-13-21	
Endrin Ketone	**ND**	0.021	EPA 8081B	12-13-21	12-13-21	
Toxaphene	**ND**	0.052	EPA 8081B	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*55*	*25-114*				
DCB	*64*	*30-137*				

Date of Report: December 21, 2021
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Project: 6694-002-05 T700

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:	**SWS-1-211208**					
Laboratory ID:	12-084-01					
Arsenic	**ND**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Iron	**8000**	56	EPA 200.7	12-13-21	12-13-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Manganese	**1800**	11	EPA 200.7	12-13-21	12-13-21	
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	
Client ID:	**Seep-1-211208**					
Laboratory ID:	12-084-02					
Arsenic	**ND**	3.3	EPA 200.8	12-13-21	12-13-21	
Iron	**990**	56	EPA 200.7	12-13-21	12-13-21	
Manganese	**15**	11	EPA 200.7	12-13-21	12-13-21	

Date of Report: December 21, 2021
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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-1-211208**					
Laboratory ID:	12-084-01					
Total Dissolved Solids	**490**	13	SM 2540C	12-13-21	12-14-21	
Client ID:	**Seep-1-211208**					
Laboratory ID:	12-084-02					
Total Dissolved Solids	**160**	13	SM 2540C	12-13-21	12-14-21	

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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-1-211208**					
Laboratory ID:	12-084-01					
Total Organic Carbon	**11**	1.0	SM 5310B	12-15-21	12-15-21	
Client ID:	**Seep-1-211208**					
Laboratory ID:	12-084-02					
Total Organic Carbon	**6.8**	1.0	SM 5310B	12-15-21	12-15-21	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
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Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SWS-1-211208**					
Laboratory ID:	12-084-01					
Ammonia	**2.5**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	
Client ID:	**Seep-1-211208**					
Laboratory ID:	12-084-02					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
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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:	MB1213W1					
Gasoline	**ND**	100	NWTPH-Gx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-084-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*89*	*66-117*			

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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:	MB1213W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	12-13-21	12-13-21	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*96*	*50-150*				
Laboratory ID:	MB1213W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	12-13-21	12-13-21	X1
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	12-13-21	12-13-21	X1
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*119*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB1213W1										
	ORIG	DUP									
Diesel Fuel #2	**0.381**	**0.373**	NA	NA		NA		NA	2	NA	
Surrogate:											
o-Terphenyl						*94*	*93*	*50-150*			
Laboratory ID:	SB1213W1										
	ORIG	DUP									
Diesel Fuel #2	**0.442**	**0.357**	NA	NA		NA		NA	21	NA	X1
Surrogate:											
o-Terphenyl						*116*	*100*	*50-150*			

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-084
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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:	MB1210W1					
Dichlorodifluoromethane	ND	0.30	EPA 8260D	12-10-21	12-10-21	
Chloromethane	ND	1.3	EPA 8260D	12-10-21	12-10-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromomethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chloroethane	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Acetone	ND	5.0	EPA 8260D	12-10-21	12-10-21	
Iodomethane	ND	1.5	EPA 8260D	12-10-21	12-10-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-10-21	12-10-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-10-21	12-10-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Butanone	ND	5.0	EPA 8260D	12-10-21	12-10-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chloroform	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Benzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Trichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Dibromomethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-10-21	12-10-21	
Toluene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	

Date of Report: December 21, 2021
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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:	MB1210W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Hexanone	ND	2.0	EPA 8260D	12-10-21	12-10-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-10-21	12-10-21	
o-Xylene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Styrene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromoform	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-10-21	12-10-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Naphthalene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	12-10-21	12-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: December 21, 2021
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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 Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1210W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.4**	**10.3**	10.0	10.0	104	103	78-125	1	19	
Benzene	**10.6**	**10.5**	10.0	10.0	106	105	80-119	1	16	
Trichloroethene	**10.7**	**10.7**	10.0	10.0	107	107	80-121	0	18	
Toluene	**10.5**	**10.3**	10.0	10.0	105	103	80-117	2	18	
Chlorobenzene	**9.85**	**9.70**	10.0	10.0	99	97	80-117	2	17	
Surrogate:										
Dibromofluoromethane					*96*	*96*	*75-127*			
Toluene-d8					*100*	*100*	*80-127*			
4-Bromofluorobenzene					*103*	*103*	*78-125*			

Date of Report: December 21, 2021
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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:	MB1214W1					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pyridine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Phenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Aniline	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Isophorone	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dimethylphthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Acenaphthylene	**ND**	0.22	EPA 8270E/SIM	12-14-21	12-14-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	

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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:	MB1214W1					
2,4-Dinitrophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Acenaphthene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Nitrophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.2	EPA 8270E	12-14-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Fluorene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pentachlorophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Anthracene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Carbazole	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Di-n-butylphthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Fluoranthene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Pyrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*10 - 82*				
Phenol-d6	*30*	*10 - 92*				
Nitrobenzene-d5	*59*	*32 - 105*				
2-Fluorobiphenyl	*67*	*38 - 105*				
2,4,6-Tribromophenol	*88*	*25 - 124*				
Terphenyl-d14	*72*	*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 Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1214W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.8**	**13.4**	40.0	40.0	40	34	21 - 53	16	26	
2-Chlorophenol	**30.7**	**27.4**	40.0	40.0	77	69	38 - 92	11	28	
1,4-Dichlorobenzene	**13.4**	**11.7**	20.0	20.0	67	59	30 - 88	14	32	
n-Nitroso-di-n-propylamine	**15.7**	**14.2**	20.0	20.0	79	71	40 - 103	10	27	
1,2,4-Trichlorobenzene	**14.5**	**12.8**	20.0	20.0	73	64	37 - 95	12	29	
4-Chloro-3-methylphenol	**33.6**	**29.6**	40.0	40.0	84	74	50 - 101	13	17	
Acenaphthene	**16.7**	**14.7**	20.0	20.0	84	74	46 - 97	13	19	
4-Nitrophenol	**25.0**	**21.7**	40.0	40.0	63	54	23 - 64	14	34	
2,4-Dinitrotoluene	**17.6**	**15.3**	20.0	20.0	88	77	46 - 100	14	17	
Pentachlorophenol	**39.8**	**32.9**	40.0	40.0	100	82	39 - 123	19	29	
Pyrene	**17.0**	**15.8**	20.0	20.0	85	79	52 - 107	7	19	
Surrogate:										
2-Fluorophenol					*46*	*40*	*10 - 82*			
Phenol-d6					*36*	*30*	*10 - 92*			
Nitrobenzene-d5					*63*	*56*	*32 - 105*			
2-Fluorobiphenyl					*70*	*64*	*38 - 105*			
2,4,6-Tribromophenol					*92*	*82*	*25 - 124*			
Terphenyl-d14					*71*	*67*	*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:	MB1213W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*42-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1213W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.451**	**0.485**	0.500	0.500	N/A	**90**	**97**	73-131	7	12	
Surrogate:											
DCB						*90*	*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:	MB1213W1					
alpha-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
beta-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
delta-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Heptachlor	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Aldrin	**ND**	0.0020	EPA 8081B	12-13-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0030	EPA 8081B	12-13-21	12-13-21	
gamma-Chlordane	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
alpha-Chlordane	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDE	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endosulfan I	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Dieldrin	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDD	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endosulfan II	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDT	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin Aldehyde	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Methoxychlor	**ND**	0.010	EPA 8081B	12-13-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin Ketone	**ND**	0.020	EPA 8081B	12-13-21	12-13-21	
Toxaphene	**ND**	0.050	EPA 8081B	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*48*	*25-114*				
DCB	*74*	*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:	SB1213W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	**0.0790**	**0.0764**	0.100	0.100	N/A	**79**	**76**	42-113	3	19	
gamma-BHC (Lindane)	**0.0790**	**0.0774**	0.100	0.100	N/A	**79**	**77**	45-114	2	15	
beta-BHC	**0.0771**	**0.0746**	0.100	0.100	N/A	**77**	**75**	40-118	3	15	
delta-BHC	**0.0652**	**0.0634**	0.100	0.100	N/A	**65**	**63**	20-125	3	15	
Heptachlor	**0.0690**	**0.0659**	0.100	0.100	N/A	**69**	**66**	41-120	5	16	
Aldrin	**0.0630**	**0.0597**	0.100	0.100	N/A	**63**	**60**	35-115	5	15	
Heptachlor Epoxide	**0.0820**	**0.0805**	0.100	0.100	N/A	**82**	**80**	50-118	2	15	
gamma-Chlordane	**0.0754**	**0.0730**	0.100	0.100	N/A	**75**	**73**	46-110	3	15	
alpha-Chlordane	**0.0769**	**0.0742**	0.100	0.100	N/A	**77**	**74**	38-112	4	15	
4,4'-DDE	**0.0772**	**0.0773**	0.100	0.100	N/A	**77**	**77**	41-127	0	15	
Endosulfan I	**0.0858**	**0.0846**	0.100	0.100	N/A	**86**	**85**	45-119	1	15	
Dieldrin	**0.0900**	**0.0867**	0.100	0.100	N/A	**90**	**87**	46-115	4	15	
Endrin	**0.0877**	**0.0847**	0.100	0.100	N/A	**88**	**85**	52-124	3	15	
4,4'-DDD	**0.0884**	**0.0884**	0.100	0.100	N/A	**88**	**88**	52-121	0	15	
Endosulfan II	**0.0853**	**0.0847**	0.100	0.100	N/A	**85**	**85**	44-114	1	15	
4,4'-DDT	**0.0975**	**0.0987**	0.100	0.100	N/A	**98**	**99**	48-123	1	15	
Endrin Aldehyde	**0.108**	**0.106**	0.100	0.100	N/A	**108**	**106**	45-114	2	15	
Methoxychlor	**0.101**	**0.102**	0.100	0.100	N/A	**101**	**102**	49-130	1	15	
Endosulfan Sulfate	**0.0879**	**0.0868**	0.100	0.100	N/A	**88**	**87**	39-117	1	15	
Endrin Ketone	**0.0903**	**0.0881**	0.100	0.100	N/A	**90**	**88**	53-119	2	15	
Surrogate:											
TCMX						*52*	*49*	*25-114*			
DCB						*66*	*61*	*30-137*			

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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:	MB1213WH1					
Iron	**ND**	56	EPA 200.7	12-13-21	12-13-21	
Manganese	**ND**	11	EPA 200.7	12-13-21	12-13-21	
Laboratory ID:	MB1213WM1					
Arsenic	**ND**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	
Laboratory ID:	MB1215W2					
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	

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TOTAL METALS
EPA 200.7/200.8/7470A
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:	12-084-01										
	ORIG	DUP									
Iron	**8040**	**8100**	NA	NA		NA		NA	1	20	
Manganese	**1810**	**1840**	NA	NA		NA		NA	2	20	
Laboratory ID:	12-089-01										
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:	12-108-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	12-084-01										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**33800**	**34400**	22200	22200	8040	**116**	**119**	75-125	2	20	
Manganese	**2380**	**2370**	556	556	1810	**102**	**100**	75-125	0	20	
Laboratory ID:	12-089-01										
Arsenic	**128**	**132**	111	111	ND	**116**	**119**	75-125	3	20	
Cadmium	**124**	**130**	111	111	ND	**112**	**117**	75-125	5	20	
Chromium	**118**	**124**	111	111	ND	**107**	**112**	75-125	5	20	
Copper	**112**	**117**	111	111	ND	**101**	**105**	75-125	4	20	
Lead	**116**	**120**	111	111	ND	**104**	**108**	75-125	4	20	
Nickel	**115**	**121**	111	111	ND	**104**	**109**	75-125	5	20	
Selenium	**126**	**133**	111	111	ND	**114**	**120**	75-125	5	20	
Zinc	**116**	**122**	111	111	ND	**105**	**110**	75-125	5	20	
Laboratory ID:	12-108-01										
Mercury	**5.60**	**5.58**	6.25	6.25	ND	**90**	**89**	75-125	0	20	

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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:	MB1213W1					
Total Dissolved Solids	**ND**	13	SM 2540C	12-13-21	12-14-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-085-01								
	ORIG	DUP							
Total Dissolved Solids	**159**	**153**	NA	NA	NA	NA	4	29	
SPIKE BLANK									
Laboratory ID:	SB1213W1								
	SB		SB		SB				
Total Dissolved Solids	**477**		500	NA	95	84-110	NA	NA	

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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:	MB1215W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	12-15-21	12-15-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-086-01								
	ORIG	DUP							
Total Organic Carbon	**2.16**	**2.27**	NA	NA	NA	NA	5	12	
MATRIX SPIKE									
Laboratory ID:	12-086-01								
	MS		MS		MS				
Total Organic Carbon	**11.6**		10.0	2.16	94	80-125	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1215W1								
	SB		SB		SB				
Total Organic Carbon	**10.7**		10.0	NA	107	80-119	NA	NA	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1213W1					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-086-01								
	ORIG	DUP							
Ammonia	**ND**	**ND**	NA	NA	NA	NA	NA	19	
MATRIX SPIKE									
Laboratory ID:	12-086-01								
	MS		MS		MS				
Ammonia	**4.82**		5.00	ND	96	80-113	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1213W1								
	SB		SB		SB				
Ammonia	**4.99**		5.00	NA	100	88-110	NA	NA	

OnSite Environmental Inc.

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: 12-084
Work Order Number: 2112178

December 20, 2021

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 12/10/2021 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

Date: *12/20/2021*

CLIENT: OnSite Environmental Inc
Project: 12-084
Work Order: 2112178

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2112178-001	SWS-1-211208	12/08/2021 9:20 AM	12/10/2021 12:21 PM

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

Original

Case Narrative

WO#: **2112178**
Date: **12/20/2021**

CLIENT: OnSite Environmental Inc
Project: 12-084

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

Analytical Report

Work Order: **2112178**
Date Reported: **12/20/2021**

Client: OnSite Environmental Inc
Collection Date: 12/8/2021 9:20:00 AM
Project: 12-084
Lab ID: 2112178-001
Matrix: Water
Client Sample ID: SWS-1-211208

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Herbicides by EPA Method 8151A (GC/MS)				Batch ID: 34715		Analyst: SB
Dicamba	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
2,4-D	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
2,4-DP	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
2,4,5-TP (Silvex)	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
2,4,5-T	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
Dinoseb	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
Dalapon	ND	1.97		µg/L	1	12/17/2021 1:57:50 PM
2,4-DB	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
MCPP	ND	4.93		µg/L	1	12/17/2021 1:57:50 PM
MCPA	ND	4.93		µg/L	1	12/17/2021 1:57:50 PM
Picloram	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
Bentazon	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
Chloramben	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
Acifluorfen	ND	4.93		µg/L	1	12/17/2021 1:57:50 PM
3,5-Dichlorobenzoic acid	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
4-Nitrophenol	ND	0.987		µg/L	1	12/17/2021 1:57:50 PM
Dacthal (DCPA)	ND	1.97		µg/L	1	12/17/2021 1:57:50 PM
Surr: 2,4-Dichlorophenylacetic acid	110	62.3 - 134		%Rec	1	12/17/2021 1:57:50 PM

Work Order: 2112178
CLIENT: OnSite Environmental Inc
Project: 12-084

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **MB-34715** SampType: **MBLK** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **MBLKW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470518**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	0.988									
2,4-D	ND	0.988									
2,4-DP	ND	0.988									
2,4,5-TP (Silvex)	ND	0.988									
2,4,5-T	ND	0.988									
Dinoseb	ND	0.988									
Dalapon	ND	1.98									
2,4-DB	ND	0.988									
MCPP	ND	4.94									
MCPA	ND	4.94									
Picloram	ND	0.988									
Bentazon	ND	0.988									
Chloramben	ND	0.988									
Acifluorfen	ND	4.94									
3,5-Dichlorobenzoic acid	ND	0.988									
4-Nitrophenol	ND	0.988									
Dacthal (DCPA)	ND	1.98									
Surr: 2,4-Dichlorophenylacetic acid	26.5		19.76		134	62.3	134				

Sample ID: **LCS-34715** SampType: **LCS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.59	0.991	3.963	0	90.6	12.4	143				
2,4-D	4.29	0.991	3.963	0	108	43.3	143				
2,4-DP	3.92	0.991	3.963	0	98.9	49.7	129				
2,4,5-TP (Silvex)	4.00	0.991	3.963	0	101	45.2	134				
2,4,5-T	4.09	0.991	3.963	0	103	43.8	133				
Dinoseb	2.72	0.991	3.963	0	68.6	5	135				
Dalapon	13.3	1.98	19.81	0	67.3	6.92	95.8				

Work Order: 2112178
CLIENT: OnSite Environmental Inc
Project: 12-084

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCS-34715** SampType: **LCS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.67	0.991	3.963	0	92.7	42	141				
MCPP	23.4	4.95	19.81	0	118	35	163				
MCPA	23.6	4.95	19.81	0	119	19	171				
Picloram	3.60	0.991	3.963	0	90.9	5	110				
Bentazon	3.43	0.991	3.963	0	86.5	36.1	139				
Chloramben	1.89	0.991	3.963	0	47.7	5	116				
Acifluorfen	2.81	4.95	3.963	0	70.8	8.43	153				
3,5-Dichlorobenzoic acid	3.20	0.991	3.963	0	80.7	56	122				
4-Nitrophenol	1.66	0.991	3.963	0	41.9	9.06	113				
Dacthal (DCPA)	1.34	1.98	3.963	0	34.5	5	54.3				
Surr: 2,4-Dichlorophenylacetic acid	26.6		19.81		134	62.3	134				

Sample ID: **LCSD-34715** SampType: **LCSD** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW02** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470520**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.08	0.990	3.961	0	77.7	12.4	143	3.592	15.4	30	
2,4-D	3.55	0.990	3.961	0	89.7	43.3	143	4.288	18.7	30	
2,4-DP	3.35	0.990	3.961	0	84.6	49.7	129	3.921	15.6	30	
2,4,5-TP (Silvex)	3.33	0.990	3.961	0	84.2	45.2	134	4.003	18.2	30	
2,4,5-T	3.50	0.990	3.961	0	88.5	43.8	133	4.085	15.3	30	
Dinoseb	2.00	0.990	3.961	0	50.4	5	135	2.717	30.6	30	
Dalapon	11.5	1.98	19.81	0	57.8	6.92	95.8	13.34	15.2	30	
2,4-DB	3.27	0.990	3.961	0	82.6	42	141	3.672	11.5	30	
MCPP	17.3	4.95	19.81	0	87.4	35	163	23.37	29.8	30	R
MCPA	17.7	4.95	19.81	0	89.3	19	171	23.63	28.8	30	R
Picloram	3.06	0.990	3.961	0	77.3	5	110	3.603	16.3	30	
Bentazon	2.96	0.990	3.961	0	74.7	36.1	139	3.427	14.6	30	
Chloramben	1.77	0.990	3.961	0	44.6	5	116	1.889	6.74	30	
Acifluorfen	2.62	4.95	3.961	0	66.2	8.43	153	2.807	6.76	30	

Work Order: 2112178
CLIENT: OnSite Environmental Inc
Project: 12-084

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCSD-34715** SampType: **LCSD** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW02** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470520**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	2.80	0.990	3.961	0	70.7	56	122	3.198	13.3	30	
4-Nitrophenol	1.47	0.990	3.961	0	37.0	9.06	113	1.661	12.3	30	
Dacthal (DCPA)	1.17	1.98	3.961	0	29.5	5	54.3	1.369	15.8	30	
Surr: 2,4-Dichlorophenylacetic acid	22.7		19.81		115	62.3	134		0		

NOTES:
R - High RPD observed, spike recovery is within range.

Sample ID: **2112120-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **BATCH** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470522**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.19	0.996	3.985	0	80.0	32.5	139				
2,4-D	3.73	0.996	3.985	0	93.5	45.9	150				
2,4-DP	3.44	0.996	3.985	0	86.3	44.1	144				
2,4,5-TP (Silvex)	3.53	0.996	3.985	0	88.5	46.3	136				
2,4,5-T	3.58	0.996	3.985	0	89.8	37	145				
Dinoseb	2.38	0.996	3.985	0	59.7	32.1	115				
Dalapon	12.3	1.99	19.92	0	62.0	17.7	108				
2,4-DB	3.27	0.996	3.985	0	82.0	37.6	153				
MCPP	17.7	4.98	19.92	0	88.9	41.3	186				
MCPA	18.1	4.98	19.92	0	90.9	48.9	173				
Picloram	3.52	0.996	3.985	0	88.4	23.2	104				
Bentazon	3.22	0.996	3.985	0	80.8	13.2	186				
Chloramben	1.85	0.996	3.985	0	46.4	5	115				
Acifluorfen	2.59	4.98	3.985	0	65.0	27.1	141				
3,5-Dichlorobenzoic acid	2.99	0.996	3.985	0	75.1	35.3	149				
4-Nitrophenol	1.49	0.996	3.985	0	37.3	5	118				
Dacthal (DCPA)	1.14	1.99	3.985	0	28.7	5	92.5				
Surr: 2,4-Dichlorophenylacetic acid	24.1		19.92		121	62.3	134				

Sample Log-In Check List

Client Name:	**ONSITE**	Work Order Number:	**2112178**
Logged by:	**Gabrielle Coeuille**	Date Received:	**12/10/2021 12:21:00 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: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	5.7

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

2112178

OnSite Environmental Inc.

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

Laboratory Reference #: 12-084

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: 669400205

Phone Number: (206) 352-3790

Other: _____

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	SWS-1-211208	12/8/21	9:20	W	1	Chlorinated Acid Herbicides 8151A

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:		OSE	12/10/21	10:40	EDDs
Received by:		alpha	12/10/21	10:40	
Relinquished by:		alpha	12/10/21	12:15	
Received by:		OTAI	12/10/21	1224	
Relinquished by:					
Received by:					

Chain of Custody

Page 1 of 1

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

Company: Geo Engineers
Project Number: 669-40-208
Project Name: Go East
Project Manager: Garrett League
Sampled by: Dexter Chan

Turnaround Request (in working days)

(Check One)

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

Laboratory Number: 12-084

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx ~~X~~ Acid / SG Clean-up) With Envirotrack	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 ~~+ Dissolved~~ *	Total ~~MTCA~~ Metals **	TCLP Metals	HEM (oil and grease) 1664A	TDS, TOC	Cl, NO_3, SO_4, NH_3	Dissolved Ca, K, Na	% Moisture
1	SWS-1-211208	12/8/21	0920	SW	16			X	X	X			X		X	X		X	X				X	X	*20	
2	Seep-1-211208	12/8/21	1040	SW	4															X			X	X		
3	TB-1-211208	12/8/21			1																					

	Signature	Company	Date	Time
Relinquished		GEO	12/8/21	
Received		OSE	12/8/21	1345
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

See Garrett for full list of analytes
* Total metals - As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Zn
** Total metals - As, Fe, Mn
X - 12/9/21 NB-Added (STA)

Data Package: Standard ☐ Level III ☐ Level IV ☐

Reviewed/Date | Reviewed/Date

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

MW-5

December 21, 2021

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

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2112-085

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on December 8, 2021.

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,

David Baumeister
Project Manager

Enclosures

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
Project: 6694-002-05 T700

Case Narrative

Samples were collected on December 7, 2021 and received by the laboratory on December 8, 2021. 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) Analysis EPA 353.2

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. 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: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW5-211207	12-085-01	Water	12-7-21	12-8-21	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Gasoline	**ND**	100	NWTPH-Gx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-117*				

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Diesel Range Organics	**ND**	0.15	NWTPH-Dx	12-10-21	12-10-21	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-10-21	12-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Dichlorodifluoromethane	ND	0.30	EPA 8260D	12-10-21	12-10-21	
Chloromethane	ND	1.3	EPA 8260D	12-10-21	12-10-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromomethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chloroethane	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Acetone	ND	5.0	EPA 8260D	12-10-21	12-10-21	
Iodomethane	ND	1.5	EPA 8260D	12-10-21	12-10-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-10-21	12-10-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-10-21	12-10-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Butanone	ND	5.0	EPA 8260D	12-10-21	12-10-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chloroform	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Benzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Trichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Dibromomethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-10-21	12-10-21	
Toluene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW5-211207**					
Laboratory ID:	12-085-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Hexanone	ND	2.0	EPA 8260D	12-10-21	12-10-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-10-21	12-10-21	
o-Xylene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Styrene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromoform	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-10-21	12-10-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Naphthalene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	12-10-21	12-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW5-211207**					
Laboratory ID:	12-085-01					
n-Nitrosodimethylamine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Pyridine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Phenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Aniline	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Chlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,3-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,4-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Benzyl alcohol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,2-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Hexachloroethane	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Nitrobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Isophorone	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Nitrophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,4-Dimethylphenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,4-Dichlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Naphthalene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
4-Chloroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Hexachlorobutadiene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Methylnaphthalene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
1-Methylnaphthalene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Hexachlorocyclopentadiene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,3-Dichloroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Chloronaphthalene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Nitroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,4-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Dimethylphthalate	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
1,3-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,6-Dinitrotoluene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,2-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Acenaphthylene	**ND**	0.21	EPA 8270E/SIM	12-14-21	12-14-21	
3-Nitroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW5-211207**					
Laboratory ID:	12-085-01					
2,4-Dinitrophenol	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
Acenaphthene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
4-Nitrophenol	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
2,4-Dinitrotoluene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Dibenzofuran	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.1	EPA 8270E	12-14-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Diethylphthalate	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
4-Nitroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Fluorene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
4,6-Dinitro-2-methylphenol	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Hexachlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Pentachlorophenol	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
Phenanthrene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Anthracene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Carbazole	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Di-n-butylphthalate	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
Fluoranthene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Pyrene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Butylbenzylphthalate	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Benzo[a]anthracene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Chrysene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
bis(2-Ethylhexyl)phthalate	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
Di-n-octylphthalate	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo(j,k)fluoranthene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[a]pyrene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*38*	*10 - 82*				
Phenol-d6	*28*	*10 - 92*				
Nitrobenzene-d5	*60*	*32 - 105*				
2-Fluorobiphenyl	*67*	*38 - 105*				
2,4,6-Tribromophenol	*89*	*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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Aroclor 1016	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1221	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1232	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1242	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1248	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1254	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1260	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*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:	**MW5-211207**					
Laboratory ID:	12-085-01					
alpha-BHC	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
beta-BHC	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
delta-BHC	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Heptachlor	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Aldrin	**ND**	0.0019	EPA 8081B	12-13-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0029	EPA 8081B	12-13-21	12-13-21	
gamma-Chlordane	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
alpha-Chlordane	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
4,4'-DDE	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endosulfan I	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Dieldrin	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endrin	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
4,4'-DDD	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endosulfan II	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
4,4'-DDT	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endrin Aldehyde	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Methoxychlor	**ND**	0.0095	EPA 8081B	12-13-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endrin Ketone	**ND**	0.019	EPA 8081B	12-13-21	12-13-21	
Toxaphene	**ND**	0.048	EPA 8081B	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*66*	*25-114*				
DCB	*69*	*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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Arsenic	**5.1**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Iron	**360**	56	EPA 200.7	12-13-21	12-13-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Magnesium	**17000**	1100	EPA 200.7	12-13-21	12-13-21	
Manganese	**390**	11	EPA 200.7	12-13-21	12-13-21	
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	

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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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Arsenic	**4.2**	3.0	EPA 200.8		12-10-21	
Cadmium	**ND**	4.0	EPA 200.8		12-10-21	
Calcium	**27000**	1100	EPA 200.7		12-10-21	
Chromium	**ND**	10	EPA 200.8		12-10-21	
Copper	**ND**	10	EPA 200.8		12-10-21	
Iron	**ND**	56	EPA 200.7		12-10-21	
Lead	**ND**	1.0	EPA 200.8		12-10-21	
Magnesium	**15000**	1100	EPA 200.7		12-10-21	
Manganese	**330**	11	EPA 200.7		12-10-21	
Mercury	**ND**	0.025	EPA 7470A		12-17-21	
Nickel	**ND**	20	EPA 200.8		12-10-21	
Potassium	**2000**	1100	EPA 200.7		12-10-21	
Selenium	**ND**	5.0	EPA 200.8		12-10-21	
Sodium	**7400**	1100	EPA 200.7		12-10-21	
Zinc	**ND**	25	EPA 200.8		12-10-21	

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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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Total Dissolved Solids	**160**	13	SM 2540C	12-13-21	12-14-21	

Date of Report: December 21, 2021
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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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Chloride	**7.3**	2.0	SM 4500-Cl E	12-14-21	12-14-21	

Date of Report: December 21, 2021
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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:	**MW5-211207**					
Laboratory ID:	12-085-01					
Nitrate	**0.21**	0.050	EPA 353.2	12-10-21	12-10-21	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW5-211207**					
Laboratory ID:	12-085-01					
Sulfate	**14**	5.0	ASTM D516-11	12-10-21	12-10-21	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
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AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW5-211207**					
Laboratory ID:	12-085-01					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	

Date of Report: December 21, 2021
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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:	MB1213W1					
Gasoline	**ND**	100	NWTPH-Gx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-084-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*89*	*66-117*			

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
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:	MB1210W1					
Diesel Range Organics	**ND**	0.12	NWTPH-Dx	12-10-21	12-10-21	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	12-10-21	12-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*92*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-085-01									
	ORIG	DUP								
Diesel Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						*105* *102*	*50-150*			

Date of Report: December 21, 2021
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Laboratory Reference: 2112-085
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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:	MB1210W1					
Dichlorodifluoromethane	ND	0.30	EPA 8260D	12-10-21	12-10-21	
Chloromethane	ND	1.3	EPA 8260D	12-10-21	12-10-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromomethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chloroethane	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Acetone	ND	5.0	EPA 8260D	12-10-21	12-10-21	
Iodomethane	ND	1.5	EPA 8260D	12-10-21	12-10-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-10-21	12-10-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-10-21	12-10-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Butanone	ND	5.0	EPA 8260D	12-10-21	12-10-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chloroform	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Benzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Trichloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Dibromomethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-10-21	12-10-21	
Toluene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-10-21	12-10-21	

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QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1210W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Hexanone	ND	2.0	EPA 8260D	12-10-21	12-10-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-10-21	12-10-21	
o-Xylene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Styrene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromoform	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Bromobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-10-21	12-10-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-10-21	12-10-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-10-21	12-10-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
Naphthalene	ND	1.0	EPA 8260D	12-10-21	12-10-21	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260D	12-10-21	12-10-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1210W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.4**	**10.3**	10.0	10.0	104	103	78-125	1	19	
Benzene	**10.6**	**10.5**	10.0	10.0	106	105	80-119	1	16	
Trichloroethene	**10.7**	**10.7**	10.0	10.0	107	107	80-121	0	18	
Toluene	**10.5**	**10.3**	10.0	10.0	105	103	80-117	2	18	
Chlorobenzene	**9.85**	**9.70**	10.0	10.0	99	97	80-117	2	17	
Surrogate:										
Dibromofluoromethane					*96*	*96*	*75-127*			
Toluene-d8					*100*	*100*	*80-127*			
4-Bromofluorobenzene					*103*	*103*	*78-125*			

Date of Report: December 21, 2021
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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:	MB1214W1					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pyridine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Phenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Aniline	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Isophorone	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dimethylphthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Acenaphthylene	**ND**	0.22	EPA 8270E/SIM	12-14-21	12-14-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	

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QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1214W1					
2,4-Dinitrophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Acenaphthene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Nitrophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.2	EPA 8270E	12-14-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Fluorene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pentachlorophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Anthracene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Carbazole	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Di-n-butylphthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Fluoranthene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Pyrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*10 - 82*				
Phenol-d6	*30*	*10 - 92*				
Nitrobenzene-d5	*59*	*32 - 105*				
2-Fluorobiphenyl	*67*	*38 - 105*				
2,4,6-Tribromophenol	*88*	*25 - 124*				
Terphenyl-d14	*72*	*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 Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1214W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.8**	**13.4**	40.0	40.0	40	34	21 - 53	16	26	
2-Chlorophenol	**30.7**	**27.4**	40.0	40.0	77	69	38 - 92	11	28	
1,4-Dichlorobenzene	**13.4**	**11.7**	20.0	20.0	67	59	30 - 88	14	32	
n-Nitroso-di-n-propylamine	**15.7**	**14.2**	20.0	20.0	79	71	40 - 103	10	27	
1,2,4-Trichlorobenzene	**14.5**	**12.8**	20.0	20.0	73	64	37 - 95	12	29	
4-Chloro-3-methylphenol	**33.6**	**29.6**	40.0	40.0	84	74	50 - 101	13	17	
Acenaphthene	**16.7**	**14.7**	20.0	20.0	84	74	46 - 97	13	19	
4-Nitrophenol	**25.0**	**21.7**	40.0	40.0	63	54	23 - 64	14	34	
2,4-Dinitrotoluene	**17.6**	**15.3**	20.0	20.0	88	77	46 - 100	14	17	
Pentachlorophenol	**39.8**	**32.9**	40.0	40.0	100	82	39 - 123	19	29	
Pyrene	**17.0**	**15.8**	20.0	20.0	85	79	52 - 107	7	19	
Surrogate:										
2-Fluorophenol					*46*	*40*	*10 - 82*			
Phenol-d6					*36*	*30*	*10 - 92*			
Nitrobenzene-d5					*63*	*56*	*32 - 105*			
2-Fluorobiphenyl					*70*	*64*	*38 - 105*			
2,4,6-Tribromophenol					*92*	*82*	*25 - 124*			
Terphenyl-d14					*71*	*67*	*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:	MB1213W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*42-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1213W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.451**	**0.485**	0.500	0.500	N/A	**90**	**97**	73-131	7	12	
Surrogate:											
DCB						*90*	*91*	*42-140*			

Date of Report: December 21, 2021
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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:	MB1213W1					
alpha-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
beta-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
delta-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Heptachlor	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Aldrin	**ND**	0.0020	EPA 8081B	12-13-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0030	EPA 8081B	12-13-21	12-13-21	
gamma-Chlordane	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
alpha-Chlordane	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDE	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endosulfan I	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Dieldrin	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDD	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endosulfan II	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDT	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin Aldehyde	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Methoxychlor	**ND**	0.010	EPA 8081B	12-13-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin Ketone	**ND**	0.020	EPA 8081B	12-13-21	12-13-21	
Toxaphene	**ND**	0.050	EPA 8081B	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*48*	*25-114*				
DCB	*74*	*30-137*				

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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:	SB1213W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	**0.0790**	**0.0764**	0.100	0.100	N/A	**79**	**76**	42-113	3	19	
gamma-BHC (Lindane)	**0.0790**	**0.0774**	0.100	0.100	N/A	**79**	**77**	45-114	2	15	
beta-BHC	**0.0771**	**0.0746**	0.100	0.100	N/A	**77**	**75**	40-118	3	15	
delta-BHC	**0.0652**	**0.0634**	0.100	0.100	N/A	**65**	**63**	20-125	3	15	
Heptachlor	**0.0690**	**0.0659**	0.100	0.100	N/A	**69**	**66**	41-120	5	16	
Aldrin	**0.0630**	**0.0597**	0.100	0.100	N/A	**63**	**60**	35-115	5	15	
Heptachlor Epoxide	**0.0820**	**0.0805**	0.100	0.100	N/A	**82**	**80**	50-118	2	15	
gamma-Chlordane	**0.0754**	**0.0730**	0.100	0.100	N/A	**75**	**73**	46-110	3	15	
alpha-Chlordane	**0.0769**	**0.0742**	0.100	0.100	N/A	**77**	**74**	38-112	4	15	
4,4'-DDE	**0.0772**	**0.0773**	0.100	0.100	N/A	**77**	**77**	41-127	0	15	
Endosulfan I	**0.0858**	**0.0846**	0.100	0.100	N/A	**86**	**85**	45-119	1	15	
Dieldrin	**0.0900**	**0.0867**	0.100	0.100	N/A	**90**	**87**	46-115	4	15	
Endrin	**0.0877**	**0.0847**	0.100	0.100	N/A	**88**	**85**	52-124	3	15	
4,4'-DDD	**0.0884**	**0.0884**	0.100	0.100	N/A	**88**	**88**	52-121	0	15	
Endosulfan II	**0.0853**	**0.0847**	0.100	0.100	N/A	**85**	**85**	44-114	1	15	
4,4'-DDT	**0.0975**	**0.0987**	0.100	0.100	N/A	**98**	**99**	48-123	1	15	
Endrin Aldehyde	**0.108**	**0.106**	0.100	0.100	N/A	**108**	**106**	45-114	2	15	
Methoxychlor	**0.101**	**0.102**	0.100	0.100	N/A	**101**	**102**	49-130	1	15	
Endosulfan Sulfate	**0.0879**	**0.0868**	0.100	0.100	N/A	**88**	**87**	39-117	1	15	
Endrin Ketone	**0.0903**	**0.0881**	0.100	0.100	N/A	**90**	**88**	53-119	2	15	
Surrogate:											
TCMX						*52*	*49*	*25-114*			
DCB						*66*	*61*	*30-137*			

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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:	MB1213WH1					
Iron	**ND**	56	EPA 200.7	12-13-21	12-13-21	
Magnesium	**ND**	1100	EPA 200.7	12-13-21	12-13-21	
Manganese	**ND**	11	EPA 200.7	12-13-21	12-13-21	
Laboratory ID:	MB1213WM1					
Arsenic	**ND**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	
Laboratory ID:	MB1215W2					
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	

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TOTAL METALS
EPA 200.7/200.8/7470A
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:	12-084-01										
	ORIG	DUP									
Iron	**8040**	**8100**	NA	NA		NA		NA	1	20	
Magnesium	**32900**	**33700**	NA	NA		NA		NA	2	20	
Manganese	**1810**	**1840**	NA	NA		NA		NA	2	20	
Laboratory ID:	12-089-01										
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:	12-108-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	12-084-01										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**33800**	**34400**	22200	22200	8040	**116**	**119**	75-125	2	20	
Magnesium	**58700**	**59300**	22200	22200	32900	**116**	**119**	75-125	1	20	
Manganese	**2380**	**2370**	556	556	1810	**102**	**100**	75-125	0	20	
Laboratory ID:	12-089-01										
Arsenic	**128**	**132**	111	111	ND	**116**	**119**	75-125	3	20	
Cadmium	**124**	**130**	111	111	ND	**112**	**117**	75-125	5	20	
Chromium	**118**	**124**	111	111	ND	**107**	**112**	75-125	5	20	
Copper	**112**	**117**	111	111	ND	**101**	**105**	75-125	4	20	
Lead	**116**	**120**	111	111	ND	**104**	**108**	75-125	4	20	
Nickel	**115**	**121**	111	111	ND	**104**	**109**	75-125	5	20	
Selenium	**126**	**133**	111	111	ND	**114**	**120**	75-125	5	20	
Zinc	**116**	**122**	111	111	ND	**105**	**110**	75-125	5	20	
Laboratory ID:	12-108-01										
Mercury	**5.60**	**5.58**	6.25	6.25	ND	**90**	**89**	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:	MB1210D1					
Calcium	**ND**	1100	EPA 200.7		12-10-21	
Iron	**ND**	56	EPA 200.7		12-10-21	
Magnesium	**ND**	1100	EPA 200.7		12-10-21	
Manganese	**ND**	11	EPA 200.7		12-10-21	
Potassium	**ND**	1100	EPA 200.7		12-10-21	
Sodium	**ND**	1100	EPA 200.7		12-10-21	
Laboratory ID:	MB1209F1					
Arsenic	**ND**	3.0	EPA 200.8	12-9-21	12-10-21	
Cadmium	**ND**	4.0	EPA 200.8	12-9-21	12-10-21	
Chromium	**ND**	10	EPA 200.8	12-9-21	12-10-21	
Copper	**ND**	10	EPA 200.8	12-9-21	12-10-21	
Lead	**ND**	1.0	EPA 200.8	12-9-21	12-10-21	
Nickel	**ND**	20	EPA 200.8	12-9-21	12-10-21	
Selenium	**ND**	5.0	EPA 200.8	12-9-21	12-10-21	
Zinc	**ND**	25	EPA 200.8	12-9-21	12-10-21	
Laboratory ID:	MB1217D1					
Mercury	**ND**	0.025	EPA 7470A		12-17-21	

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DISSOLVED METALS
EPA 200.7/200.8/7470A
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:	12-104-01										
	ORIG	DUP									
Calcium	**4460**	**4440**	NA	NA		NA		NA	0	20	
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Magnesium	**2740**	**2720**	NA	NA		NA		NA	1	20	
Manganese	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Potassium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Sodium	**2780**	**2120**	NA	NA		NA		NA	27	20	C
Laboratory ID:	12-104-01										
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	**13.9**	**15.6**	NA	NA		NA		NA	11	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:	12-108-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	12-104-01										
	MS	MSD	MS	MSD		MS	MSD				
Calcium	**27800**	**27600**	22200	22200	4460	**105**	**104**	75-125	0	20	
Iron	**25100**	**25100**	22200	22200	ND	**113**	**113**	75-125	0	20	
Magnesium	**27800**	**27900**	22200	22200	2740	**113**	**113**	75-125	0	20	
Manganese	**583**	**581**	556	556	ND	**105**	**104**	75-125	0	20	
Potassium	**23300**	**23200**	22200	22200	ND	**105**	**105**	75-125	0	20	
Sodium	**28400**	**28000**	22200	22200	2780	**116**	**114**	75-125	2	20	
Laboratory ID:	12-104-01										
Arsenic	**83.8**	**76.2**	80.0	80.0	ND	**105**	**95**	75-125	9	20	
Cadmium	**79.2**	**78.0**	80.0	80.0	ND	**99**	**98**	75-125	2	20	
Chromium	**77.4**	**73.6**	80.0	80.0	ND	**97**	**92**	75-125	5	20	
Copper	**91.0**	**87.8**	80.0	80.0	13.9	**96**	**92**	75-125	4	20	
Lead	**76.6**	**76.0**	80.0	80.0	ND	**96**	**95**	75-125	1	20	
Nickel	**75.6**	**72.4**	80.0	80.0	ND	**95**	**91**	75-125	4	20	
Selenium	**76.2**	**75.4**	80.0	80.0	ND	**95**	**94**	75-125	1	20	
Zinc	**94.6**	**91.0**	80.0	80.0	14.1	**101**	**96**	75-125	4	20	
Laboratory ID:	12-108-01										
Mercury	**5.78**	**5.75**	6.25	6.25	ND	**92**	**92**	75-125	0	20	

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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:	MB1213W1					
Total Dissolved Solids	**ND**	13	SM 2540C	12-13-21	12-14-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-085-01								
	ORIG	DUP							
Total Dissolved Solids	**159**	**153**	NA	NA	NA	NA	4	29	
SPIKE BLANK									
Laboratory ID:	SB1213W1								
	SB		SB		SB				
Total Dissolved Solids	**477**		500	NA	95	84-110	NA	NA	

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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:	MB1214W1					
Chloride	**ND**	2.0	SM 4500-Cl E	12-14-21	12-14-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-086-01								
	ORIG	DUP							
Chloride	**4.05**	**4.11**	NA	NA	NA	NA	1	15	
MATRIX SPIKE									
Laboratory ID:	12-086-01								
	MS		MS		MS				
Chloride	**58.8**		50.0	4.05	110	86-115	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1214W1								
	SB		SB		SB				
Chloride	**55.9**		50.0	NA	112	86-115	NA	NA	

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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:	MB1210W1					
Nitrate	**ND**	0.050	EPA 353.2	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-086-01								
	ORIG	DUP							
Nitrate	**0.460**	**0.450**	NA	NA	NA	NA	2	16	
MATRIX SPIKE									
Laboratory ID:	12-086-01								
	MS		MS		MS				
Nitrate	**2.92**		2.00	0.460	123	92-125	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Nitrate	**2.15**		2.00	NA	108	90-121	NA	NA	

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SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1210W1					
Sulfate	**ND**	5.0	ASTM D516-11	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-075-01								
	ORIG	DUP							
Sulfate	**13.9**	**13.9**	NA	NA	NA	NA	0	10	
MATRIX SPIKE									
Laboratory ID:	12-075-01								
	MS		MS		MS				
Sulfate	**22.5**		10.0	13.9	86	69-139	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Sulfate	**10.0**		10.0	NA	100	89-117	NA	NA	

Date of Report: December 21, 2021
Samples Submitted: December 8, 2021
Laboratory Reference: 2112-085
Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1213W1					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-086-01							
	ORIG DUP							
Ammonia	**ND** **ND**	NA	NA	NA	NA	NA	19	
MATRIX SPIKE								
Laboratory ID:	12-086-01							
	MS	MS		MS				
Ammonia	**4.82**	5.00	ND	96	80-113	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB1213W1							
	SB	SB		SB				
Ammonia	**4.99**	5.00	NA	100	88-110	NA	NA	

OnSite Environmental Inc.

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: 12-085
Work Order Number: 2112177

December 20, 2021

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 12/10/2021 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

Date: *12/20/2021*

CLIENT: OnSite Environmental Inc
Project: 12-085
Work Order: 2112177

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2112177-001	MW5-211207	12/07/2021 12:10 PM	12/10/2021 12:21 PM

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

Original

Case Narrative

WO#: **2112177**
Date: **12/20/2021**

CLIENT: OnSite Environmental Inc
Project: 12-085

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

Analytical Report

Work Order: **2112177**

Date Reported: **12/20/2021**

Client: OnSite Environmental Inc

Collection Date: 12/7/2021 12:10:00 PM

Project: 12-085

Lab ID: 2112177-001

Matrix: Water

Client Sample ID: MW5-211207

Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 34715 Analyst: SB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dicamba	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
2,4-D	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
2,4-DP	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
2,4,5-TP (Silvex)	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
2,4,5-T	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
Dinoseb	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
Dalapon	ND	1.97		µg/L	1	12/17/2021 1:37:11 PM
2,4-DB	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
MCPP	ND	4.93		µg/L	1	12/17/2021 1:37:11 PM
MCPA	ND	4.93		µg/L	1	12/17/2021 1:37:11 PM
Picloram	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
Bentazon	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
Chloramben	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
Acifluorfen	ND	4.93		µg/L	1	12/17/2021 1:37:11 PM
3,5-Dichlorobenzoic acid	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
4-Nitrophenol	ND	0.986		µg/L	1	12/17/2021 1:37:11 PM
Dacthal (DCPA)	ND	1.97		µg/L	1	12/17/2021 1:37:11 PM
Surr: 2,4-Dichlorophenylacetic acid	95.1	62.3 - 134		%Rec	1	12/17/2021 1:37:11 PM

Work Order: 2112177
CLIENT: OnSite Environmental Inc
Project: 12-085

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **MB-34715** SampType: **MBLK** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **MBLKW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470518**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	0.988									
2,4-D	ND	0.988									
2,4-DP	ND	0.988									
2,4,5-TP (Silvex)	ND	0.988									
2,4,5-T	ND	0.988									
Dinoseb	ND	0.988									
Dalapon	ND	1.98									
2,4-DB	ND	0.988									
MCPP	ND	4.94									
MCPA	ND	4.94									
Picloram	ND	0.988									
Bentazon	ND	0.988									
Chloramben	ND	0.988									
Acifluorfen	ND	4.94									
3,5-Dichlorobenzoic acid	ND	0.988									
4-Nitrophenol	ND	0.988									
Dacthal (DCPA)	ND	1.98									
Surr: 2,4-Dichlorophenylacetic acid	26.5		19.76		134	62.3	134				

Sample ID: **LCS-34715** SampType: **LCS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.59	0.991	3.963	0	90.6	12.4	143				
2,4-D	4.29	0.991	3.963	0	108	43.3	143				
2,4-DP	3.92	0.991	3.963	0	98.9	49.7	129				
2,4,5-TP (Silvex)	4.00	0.991	3.963	0	101	45.2	134				
2,4,5-T	4.09	0.991	3.963	0	103	43.8	133				
Dinoseb	2.72	0.991	3.963	0	68.6	5	135				
Dalapon	13.3	1.98	19.81	0	67.3	6.92	95.8				

Work Order: 2112177
CLIENT: OnSite Environmental Inc
Project: 12-085

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCS-34715** SampType: **LCS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.67	0.991	3.963	0	92.7	42	141				
MCPP	23.4	4.95	19.81	0	118	35	163				
MCPA	23.6	4.95	19.81	0	119	19	171				
Picloram	3.60	0.991	3.963	0	90.9	5	110				
Bentazon	3.43	0.991	3.963	0	86.5	36.1	139				
Chloramben	1.89	0.991	3.963	0	47.7	5	116				
Acifluorfen	2.81	4.95	3.963	0	70.8	8.43	153				
3,5-Dichlorobenzoic acid	3.20	0.991	3.963	0	80.7	56	122				
4-Nitrophenol	1.66	0.991	3.963	0	41.9	9.06	113				
Dacthal (DCPA)	1.34	1.98	3.963	0	34.5	5	54.3				
Surr: 2,4-Dichlorophenylacetic acid	26.6		19.81		134	62.3	134				

Sample ID: **LCSD-34715** SampType: **LCSD** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW02** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470520**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.08	0.990	3.961	0	77.7	12.4	143	3.592	15.4	30	
2,4-D	3.55	0.990	3.961	0	89.7	43.3	143	4.288	18.7	30	
2,4-DP	3.35	0.990	3.961	0	84.6	49.7	129	3.921	15.6	30	
2,4,5-TP (Silvex)	3.33	0.990	3.961	0	84.2	45.2	134	4.003	18.2	30	
2,4,5-T	3.50	0.990	3.961	0	88.5	43.8	133	4.085	15.3	30	
Dinoseb	2.00	0.990	3.961	0	50.4	5	135	2.717	30.6	30	
Dalapon	11.5	1.98	19.81	0	57.8	6.92	95.8	13.34	15.2	30	
2,4-DB	3.27	0.990	3.961	0	82.6	42	141	3.672	11.5	30	
MCPP	17.3	4.95	19.81	0	87.4	35	163	23.37	29.8	30	R
MCPA	17.7	4.95	19.81	0	89.3	19	171	23.63	28.8	30	R
Picloram	3.06	0.990	3.961	0	77.3	5	110	3.603	16.3	30	
Bentazon	2.96	0.990	3.961	0	74.7	36.1	139	3.427	14.6	30	
Chloramben	1.77	0.990	3.961	0	44.6	5	116	1.889	6.74	30	
Acifluorfen	2.62	4.95	3.961	0	66.2	8.43	153	2.807	6.76	30	

Work Order: 2112177
CLIENT: OnSite Environmental Inc
Project: 12-085

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCSD-34715** SampType: **LCSD** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW02** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470520**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	2.80	0.990	3.961	0	70.7	56	122	3.198	13.3	30	
4-Nitrophenol	1.47	0.990	3.961	0	37.0	9.06	113	1.661	12.3	30	
Dacthal (DCPA)	1.17	1.98	3.961	0	29.5	5	54.3	1.369	15.8	30	
Surr: 2,4-Dichlorophenylacetic acid	22.7		19.81		115	62.3	134		0		

NOTES:
R - High RPD observed, spike recovery is within range.

Sample ID: **2112120-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **BATCH** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470522**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.19	0.996	3.985	0	80.0	32.5	139				
2,4-D	3.73	0.996	3.985	0	93.5	45.9	150				
2,4-DP	3.44	0.996	3.985	0	86.3	44.1	144				
2,4,5-TP (Silvex)	3.53	0.996	3.985	0	88.5	46.3	136				
2,4,5-T	3.58	0.996	3.985	0	89.8	37	145				
Dinoseb	2.38	0.996	3.985	0	59.7	32.1	115				
Dalapon	12.3	1.99	19.92	0	62.0	17.7	108				
2,4-DB	3.27	0.996	3.985	0	82.0	37.6	153				
MCPP	17.7	4.98	19.92	0	88.9	41.3	186				
MCPA	18.1	4.98	19.92	0	90.9	48.9	173				
Picloram	3.52	0.996	3.985	0	88.4	23.2	104				
Bentazon	3.22	0.996	3.985	0	80.8	13.2	186				
Chloramben	1.85	0.996	3.985	0	46.4	5	115				
Acifluorfen	2.59	4.98	3.985	0	65.0	27.1	141				
3,5-Dichlorobenzoic acid	2.99	0.996	3.985	0	75.1	35.3	149				
4-Nitrophenol	1.49	0.996	3.985	0	37.3	5	118				
Dacthal (DCPA)	1.14	1.99	3.985	0	28.7	5	92.5				
Surr: 2,4-Dichlorophenylacetic acid	24.1		19.92		121	62.3	134				

Sample Log-In Check List

Client Name:	**ONSITE**	Work Order Number:	**2112177**
Logged by:	**Gabrielle Coeuille**	Date Received:	**12/10/2021 12:21:00 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: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	5.7

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

2112177

OnSite Environmental Inc.

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

Laboratory Reference #: 12-085

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: 669400205

Phone Number: (206) 352-3790

Other: _____

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	MW5-211207	12/7/21	12:10	W	1	Chlorinated Acid Herbicides 8151A

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:	OSE	12/10/21	10:40	EDDs
Received by:	a/ph	12/10/21	10:40	
Relinquished by:	a/ph	12/10/21	12:45	
Received by:	FAI	12/10/21	1221	
Relinquished by:				
Received by:				

Chain of Custody

Page 1 of 1

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

Company: GeoEngineers
Project Number: 6694002.05
Project Name: Go East
Project Manager: Garrett Leque
Sampled by: Dexter Chen

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 12-085

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ 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 + Dissolved * FF	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	TDS	Cl, NO3, SO4, NH3	Dissolved Ca, K, Na		% Moisture
1	MW5-211207	12/7/21	1210	GW	3			X	X	X			X		X	X		X	X				X	X	X		
2	TB-1-211207				1																						

	Signature	Company	Date	Time
Relinquished		GE	12/7/21	
Received		OSE	12/8/21	1345
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

See Garrett for full list of analytes
* Total + Dissolved Metals - As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Zn, Mg
X - Added 12/9/21 NB (STA)

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

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

MW-2
MW-6
MW-7

December 22, 2021

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

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2112-108

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on December 10, 2021.

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,

David Baumeister
Project Manager

Enclosures

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

Case Narrative

Samples were collected on December 8 and 9, 2021 and received by the laboratory on December 10, 2021. 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: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW2-211208	12-108-01	Water	12-8-21	12-10-21	
TB-2-211208	12-108-02	Water	12-8-21	12-10-21	
MW6-211209	12-108-03	Water	12-9-21	12-10-21	
MW7-211209	12-108-04	Water	12-9-21	12-10-21	
TB-1-211209	12-108-05	Water	12-9-21	12-10-21	
TB-2-211209	12-108-06	Water	12-9-21	12-10-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Gasoline	**ND**	100	NWTPH-Gx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-117*				
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Gasoline	**ND**	100	NWTPH-Gx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-117*				
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Gasoline	**ND**	100	NWTPH-Gx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*66-117*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-14-21	12-14-21	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*50-150*				
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	12-14-21	12-14-21	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*111*	*50-150*				
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-14-21	12-14-21	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*84*	*50-150*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW2-211208**					
Laboratory ID:	12-108-01					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	12-13-21	12-13-21	
Chloromethane	ND	1.3	EPA 8260D	12-13-21	12-13-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromomethane	ND	0.33	EPA 8260D	12-13-21	12-13-21	
Chloroethane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Acetone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Iodomethane	ND	1.4	EPA 8260D	12-13-21	12-13-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-13-21	12-13-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Butanone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chloroform	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Benzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Trichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Dibromomethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Toluene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW2-211208**					
Laboratory ID:	12-108-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Hexanone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-13-21	12-13-21	
o-Xylene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Styrene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromoform	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Naphthalene	ND	1.3	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichlorobenzene	ND	0.27	EPA 8260D	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-2-211208**					
Laboratory ID:	12-108-02					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	12-13-21	12-13-21	
Chloromethane	ND	1.3	EPA 8260D	12-13-21	12-13-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromomethane	ND	0.33	EPA 8260D	12-13-21	12-13-21	
Chloroethane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Acetone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Iodomethane	ND	1.4	EPA 8260D	12-13-21	12-13-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-13-21	12-13-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Butanone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chloroform	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Benzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Trichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Dibromomethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Toluene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	

Date of Report: December 22, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-2-211208**					
Laboratory ID:	12-108-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Hexanone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-13-21	12-13-21	
o-Xylene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Styrene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromoform	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Naphthalene	ND	1.3	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichlorobenzene	ND	0.27	EPA 8260D	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	12-13-21	12-13-21	
Chloromethane	ND	1.3	EPA 8260D	12-13-21	12-13-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromomethane	ND	0.33	EPA 8260D	12-13-21	12-13-21	
Chloroethane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Acetone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Iodomethane	ND	1.4	EPA 8260D	12-13-21	12-13-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-13-21	12-13-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Butanone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chloroform	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Benzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Trichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Dibromomethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Toluene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Hexanone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-13-21	12-13-21	
o-Xylene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Styrene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromoform	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Naphthalene	ND	1.3	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichlorobenzene	ND	0.27	EPA 8260D	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	12-13-21	12-13-21	
Chloromethane	ND	1.3	EPA 8260D	12-13-21	12-13-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromomethane	ND	0.33	EPA 8260D	12-13-21	12-13-21	
Chloroethane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Acetone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Iodomethane	ND	1.4	EPA 8260D	12-13-21	12-13-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-13-21	12-13-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Butanone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chloroform	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Benzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Trichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Dibromomethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Toluene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Hexanone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-13-21	12-13-21	
o-Xylene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Styrene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromoform	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Naphthalene	ND	1.3	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichlorobenzene	ND	0.27	EPA 8260D	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-1-211209**					
Laboratory ID:	12-108-05					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	12-13-21	12-13-21	
Chloromethane	ND	1.3	EPA 8260D	12-13-21	12-13-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromomethane	ND	0.33	EPA 8260D	12-13-21	12-13-21	
Chloroethane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Acetone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Iodomethane	ND	1.4	EPA 8260D	12-13-21	12-13-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-13-21	12-13-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Butanone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chloroform	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Benzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Trichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Dibromomethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Toluene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-1-211209**					
Laboratory ID:	12-108-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Hexanone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-13-21	12-13-21	
o-Xylene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Styrene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromoform	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Naphthalene	ND	1.3	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichlorobenzene	ND	0.27	EPA 8260D	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-2-211209**					
Laboratory ID:	12-108-06					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	12-13-21	12-13-21	
Chloromethane	ND	1.3	EPA 8260D	12-13-21	12-13-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromomethane	ND	0.33	EPA 8260D	12-13-21	12-13-21	
Chloroethane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Acetone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Iodomethane	ND	1.4	EPA 8260D	12-13-21	12-13-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-13-21	12-13-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Butanone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chloroform	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Benzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Trichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Dibromomethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Toluene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-2-211209**					
Laboratory ID:	12-108-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Hexanone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-13-21	12-13-21	
o-Xylene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Styrene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromoform	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Naphthalene	ND	1.3	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichlorobenzene	ND	0.27	EPA 8260D	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW2-211208**					
Laboratory ID:	12-108-01					
n-Nitrosodimethylamine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Pyridine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Phenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Aniline	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Chlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,3-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,4-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Benzyl alcohol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,2-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Hexachloroethane	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Nitrobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Isophorone	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Nitrophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,4-Dimethylphenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,4-Dichlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Naphthalene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
4-Chloroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Hexachlorobutadiene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Methylnaphthalene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
1-Methylnaphthalene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Hexachlorocyclopentadiene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,3-Dichloroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Chloronaphthalene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2-Nitroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,4-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Dimethylphthalate	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
1,3-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,6-Dinitrotoluene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,2-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Acenaphthylene	**ND**	0.21	EPA 8270E/SIM	12-14-21	12-14-21	
3-Nitroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW2-211208**					
Laboratory ID:	12-108-01					
2,4-Dinitrophenol	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
Acenaphthene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
4-Nitrophenol	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
2,4-Dinitrotoluene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Dibenzofuran	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.1	EPA 8270E	12-14-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Diethylphthalate	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
4-Nitroaniline	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Fluorene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
4,6-Dinitro-2-methylphenol	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Hexachlorobenzene	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Pentachlorophenol	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
Phenanthrene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Anthracene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Carbazole	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Di-n-butylphthalate	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
Fluoranthene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Pyrene	**ND**	0.095	EPA 8270E/SIM	12-14-21	12-14-21	
Butylbenzylphthalate	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Benzo[a]anthracene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Chrysene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
bis(2-Ethylhexyl)phthalate	**ND**	4.7	EPA 8270E	12-14-21	12-17-21	
Di-n-octylphthalate	**ND**	0.95	EPA 8270E	12-14-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo(j,k)fluoranthene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[a]pyrene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270E/SIM	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*37*	*10 - 82*				
Phenol-d6	*26*	*10 - 92*				
Nitrobenzene-d5	*61*	*32 - 105*				
2-Fluorobiphenyl	*67*	*38 - 105*				
2,4,6-Tribromophenol	*83*	*25 - 124*				
Terphenyl-d14	*64*	*42 - 116*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
n-Nitrosodimethylamine	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Pyridine	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Phenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Aniline	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2-Chlorophenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
1,3-Dichlorobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
1,4-Dichlorobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Benzyl alcohol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
1,2-Dichlorobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Hexachloroethane	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Nitrobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Isophorone	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2-Nitrophenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2,4-Dimethylphenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2,4-Dichlorophenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Naphthalene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
4-Chloroaniline	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Hexachlorobutadiene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2-Methylnaphthalene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
1-Methylnaphthalene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
Hexachlorocyclopentadiene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2,3-Dichloroaniline	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2-Chloronaphthalene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2-Nitroaniline	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
1,4-Dinitrobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Dimethylphthalate	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
1,3-Dinitrobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2,6-Dinitrotoluene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
1,2-Dinitrobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Acenaphthylene	**ND**	0.22	EPA 8270E/SIM	12-14-21	12-14-21	
3-Nitroaniline	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
2,4-Dinitrophenol	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
Acenaphthene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
4-Nitrophenol	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
2,4-Dinitrotoluene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Dibenzofuran	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.2	EPA 8270E	12-14-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Diethylphthalate	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
4-Nitroaniline	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Fluorene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
4,6-Dinitro-2-methylphenol	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Hexachlorobenzene	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Pentachlorophenol	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
Phenanthrene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
Anthracene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
Carbazole	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Di-n-butylphthalate	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
Fluoranthene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
Pyrene	**ND**	0.098	EPA 8270E/SIM	12-14-21	12-14-21	
Butylbenzylphthalate	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270E/SIM	12-14-21	12-14-21	
Chrysene	**ND**	0.0098	EPA 8270E/SIM	12-14-21	12-14-21	
bis(2-Ethylhexyl)phthalate	**ND**	4.9	EPA 8270E	12-14-21	12-17-21	
Di-n-octylphthalate	**ND**	0.98	EPA 8270E	12-14-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo(j,k)fluoranthene	**0.018**	0.0098	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270E/SIM	12-14-21	12-14-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.0098	EPA 8270E/SIM	12-14-21	12-14-21	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270E/SIM	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*44*	*10 - 82*				
Phenol-d6	*31*	*10 - 92*				
Nitrobenzene-d5	*65*	*32 - 105*				
2-Fluorobiphenyl	*72*	*38 - 105*				
2,4,6-Tribromophenol	*86*	*25 - 124*				
Terphenyl-d14	*68*	*42 - 116*				

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pyridine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Phenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Aniline	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Isophorone	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dimethylphthalate	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Acenaphthylene	**ND**	0.22	EPA 8270E/SIM	12-14-21	12-14-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
2,4-Dinitrophenol	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
Acenaphthene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Nitrophenol	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.2	EPA 8270E	12-14-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Fluorene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4,6-Dinitro-2-methylphenol	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pentachlorophenol	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Anthracene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Carbazole	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Di-n-butylphthalate	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
Fluoranthene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Pyrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.1	EPA 8270E	12-14-21	12-17-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo(j,k)fluoranthene	**0.016**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*40*	*10 - 82*				
Phenol-d6	*28*	*10 - 92*				
Nitrobenzene-d5	*60*	*32 - 105*				
2-Fluorobiphenyl	*67*	*38 - 105*				
2,4,6-Tribromophenol	*82*	*25 - 124*				
Terphenyl-d14	*63*	*42 - 116*				

Date of Report: December 22, 2021
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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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Aroclor 1016	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1221	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1232	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1242	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1248	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1254	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1260	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*42-140*				
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Aroclor 1016	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1221	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1232	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1242	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1248	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1254	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Aroclor 1260	**ND**	0.048	EPA 8082A	12-13-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*42-140*				
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Aroclor 1016	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1221	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1232	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1242	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1248	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1254	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Aroclor 1260	**ND**	0.047	EPA 8082A	12-13-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*42-140*				

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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:	**MW2-211208**					
Laboratory ID:	12-108-01					
alpha-BHC	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
beta-BHC	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
delta-BHC	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Heptachlor	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Aldrin	**ND**	0.0019	EPA 8081B	12-13-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0028	EPA 8081B	12-13-21	12-13-21	
gamma-Chlordane	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
alpha-Chlordane	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
4,4'-DDE	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endosulfan I	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Dieldrin	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endrin	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
4,4'-DDD	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endosulfan II	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
4,4'-DDT	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endrin Aldehyde	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Methoxychlor	**ND**	0.0095	EPA 8081B	12-13-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endrin Ketone	**ND**	0.019	EPA 8081B	12-13-21	12-13-21	
Toxaphene	**ND**	0.047	EPA 8081B	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*64*	*25-114*				
DCB	*75*	*30-137*				

Date of Report: December 22, 2021
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Laboratory Reference: 2112-108
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:	**MW6-211209**					
Laboratory ID:	12-108-03					
alpha-BHC	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
beta-BHC	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
delta-BHC	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Heptachlor	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Aldrin	**ND**	0.0019	EPA 8081B	12-13-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0029	EPA 8081B	12-13-21	12-13-21	
gamma-Chlordane	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
alpha-Chlordane	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
4,4'-DDE	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endosulfan I	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Dieldrin	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endrin	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
4,4'-DDD	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endosulfan II	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
4,4'-DDT	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endrin Aldehyde	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Methoxychlor	**ND**	0.0095	EPA 8081B	12-13-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0048	EPA 8081B	12-13-21	12-13-21	
Endrin Ketone	**ND**	0.019	EPA 8081B	12-13-21	12-13-21	
Toxaphene	**ND**	0.048	EPA 8081B	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*63*	*25-114*				
DCB	*63*	*30-137*				

Date of Report: December 22, 2021
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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:	**MW7-211209**					
Laboratory ID:	12-108-04					
alpha-BHC	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
beta-BHC	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
delta-BHC	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Heptachlor	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Aldrin	**ND**	0.0019	EPA 8081B	12-13-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0028	EPA 8081B	12-13-21	12-13-21	
gamma-Chlordane	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
alpha-Chlordane	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
4,4'-DDE	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endosulfan I	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Dieldrin	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endrin	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
4,4'-DDD	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endosulfan II	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
4,4'-DDT	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endrin Aldehyde	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Methoxychlor	**ND**	0.0095	EPA 8081B	12-13-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0047	EPA 8081B	12-13-21	12-13-21	
Endrin Ketone	**ND**	0.019	EPA 8081B	12-13-21	12-13-21	
Toxaphene	**ND**	0.047	EPA 8081B	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*68*	*25-114*				
DCB	*64*	*30-137*				

Date of Report: December 22, 2021
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Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Arsenic	**4.8**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Iron	**370**	56	EPA 200.7	12-16-21	12-16-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Magnesium	**18000**	1100	EPA 200.7	12-16-21	12-16-21	
Manganese	**300**	11	EPA 200.7	12-16-21	12-16-21	
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Arsenic	**3.5**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Iron	**420**	56	EPA 200.7	12-16-21	12-16-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Magnesium	**23000**	1100	EPA 200.7	12-16-21	12-16-21	
Manganese	**1800**	11	EPA 200.7	12-16-21	12-16-21	
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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:	**MW7-211209**					
Laboratory ID:	12-108-04					
Arsenic	**11**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Iron	**6900**	56	EPA 200.7	12-16-21	12-16-21	
Lead	**3.2**	1.1	EPA 200.8	12-13-21	12-13-21	
Magnesium	**18000**	1100	EPA 200.7	12-16-21	12-16-21	
Manganese	**680**	11	EPA 200.7	12-16-21	12-16-21	
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	
Nickel	**42**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Arsenic	**4.2**	3.0	EPA 200.8		12-10-21	
Cadmium	**ND**	4.0	EPA 200.8		12-10-21	
Calcium	**22000**	1100	EPA 200.7		12-10-21	
Chromium	**ND**	10	EPA 200.8		12-10-21	
Copper	**ND**	10	EPA 200.8		12-10-21	
Iron	**ND**	56	EPA 200.7		12-10-21	
Lead	**ND**	1.0	EPA 200.8		12-10-21	
Magnesium	**16000**	1100	EPA 200.7		12-10-21	
Manganese	**270**	11	EPA 200.7		12-10-21	
Mercury	**ND**	0.025	EPA 7470A		12-17-21	
Nickel	**ND**	20	EPA 200.8		12-10-21	
Potassium	**2000**	1100	EPA 200.7		12-10-21	
Selenium	**ND**	5.0	EPA 200.8		12-10-21	
Sodium	**7000**	1100	EPA 200.7		12-10-21	
Zinc	**ND**	25	EPA 200.8		12-10-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Arsenic	**3.0**	3.0	EPA 200.8		12-10-21	
Cadmium	**ND**	4.0	EPA 200.8		12-10-21	
Calcium	**41000**	1100	EPA 200.7		12-10-21	
Chromium	**ND**	10	EPA 200.8		12-10-21	
Copper	**ND**	10	EPA 200.8		12-10-21	
Iron	**62**	56	EPA 200.7		12-10-21	
Lead	**ND**	1.0	EPA 200.8		12-10-21	
Magnesium	**22000**	1100	EPA 200.7		12-10-21	
Manganese	**1800**	11	EPA 200.7		12-10-21	
Mercury	**ND**	0.025	EPA 7470A		12-17-21	
Nickel	**ND**	20	EPA 200.8		12-10-21	
Potassium	**2400**	1100	EPA 200.7		12-10-21	
Selenium	**ND**	5.0	EPA 200.8		12-10-21	
Sodium	**18000**	1100	EPA 200.7		12-10-21	
Zinc	**ND**	25	EPA 200.8		12-10-21	

Date of Report: December 22, 2021
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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:	**MW7-211209**					
Laboratory ID:	12-108-04					
Arsenic	**8.5**	3.0	EPA 200.8		12-10-21	
Cadmium	**ND**	4.0	EPA 200.8		12-10-21	
Calcium	**20000**	1100	EPA 200.7		12-10-21	
Chromium	**ND**	10	EPA 200.8		12-10-21	
Copper	**ND**	10	EPA 200.8		12-10-21	
Iron	**ND**	56	EPA 200.7		12-10-21	
Lead	**ND**	1.0	EPA 200.8		12-10-21	
Magnesium	**14000**	1100	EPA 200.7		12-10-21	
Manganese	**250**	11	EPA 200.7		12-10-21	
Mercury	**ND**	0.025	EPA 7470A		12-17-21	
Nickel	**ND**	20	EPA 200.8		12-10-21	
Potassium	**1900**	1100	EPA 200.7		12-10-21	
Selenium	**ND**	5.0	EPA 200.8		12-10-21	
Sodium	**7600**	1100	EPA 200.7		12-10-21	
Zinc	**ND**	25	EPA 200.8		12-10-21	

Date of Report: December 22, 2021
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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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Total Dissolved Solids	**150**	13	SM 2540C	12-13-21	12-14-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Total Dissolved Solids	**250**	13	SM 2540C	12-13-21	12-14-21	
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Total Dissolved Solids	**120**	13	SM 2540C	12-13-21	12-14-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Total Alkalinity	**120**	2.0	SM 2320B	12-10-21	12-10-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Total Alkalinity	**190**	2.0	SM 2320B	12-10-21	12-10-21	
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Total Alkalinity	**100**	2.0	SM 2320B	12-10-21	12-10-21	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Bicarbonate Concentration	**120**	2.0	SM 2320B	12-10-21	12-10-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Bicarbonate Concentration	**190**	2.0	SM 2320B	12-10-21	12-10-21	
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Bicarbonate Concentration	**100**	2.0	SM 2320B	12-10-21	12-10-21	

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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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Chloride	**5.7**	2.0	SM 4500-Cl E	12-14-21	12-14-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Chloride	**5.3**	2.0	SM 4500-Cl E	12-14-21	12-14-21	
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Chloride	**9.0**	2.0	SM 4500-Cl E	12-14-21	12-14-21	

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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:	**MW2-211208**					
Laboratory ID:	12-108-01					
Nitrate	**ND**	0.050	EPA 353.2	12-10-21	12-10-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Nitrate	**0.62**	0.050	EPA 353.2	12-10-21	12-10-21	
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Nitrate	**0.22**	0.050	EPA 353.2	12-10-21	12-10-21	

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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW2-211208**					
Laboratory ID:	12-108-01					
Sulfate	**12**	5.0	ASTM D516-11	12-10-21	12-10-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Sulfate	**26**	10	ASTM D516-11	12-10-21	12-10-21	
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Sulfate	**8.5**	5.0	ASTM D516-11	12-10-21	12-10-21	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW2-211208**					
Laboratory ID:	12-108-01					
Ammonia	**0.097**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	
Client ID:	**MW6-211209**					
Laboratory ID:	12-108-03					
Ammonia	**0.10**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	
Client ID:	**MW7-211209**					
Laboratory ID:	12-108-04					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	

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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:	MB1213W1					
Gasoline	**ND**	100	NWTPH-Gx	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-084-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*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:	MB1214W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	12-14-21	12-14-21	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-107-04										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*93*	*92*	*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:	MB1213W1					
Dichlorodifluoromethane	ND	0.31	EPA 8260D	12-13-21	12-13-21	
Chloromethane	ND	1.3	EPA 8260D	12-13-21	12-13-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromomethane	ND	0.33	EPA 8260D	12-13-21	12-13-21	
Chloroethane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Acetone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Iodomethane	ND	1.4	EPA 8260D	12-13-21	12-13-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-13-21	12-13-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Butanone	ND	5.0	EPA 8260D	12-13-21	12-13-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chloroform	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Benzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Trichloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Dibromomethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Toluene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-13-21	12-13-21	

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QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1213W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Hexanone	ND	2.0	EPA 8260D	12-13-21	12-13-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-13-21	12-13-21	
o-Xylene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Styrene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromoform	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Bromobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-13-21	12-13-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-13-21	12-13-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-13-21	12-13-21	
Naphthalene	ND	1.3	EPA 8260D	12-13-21	12-13-21	
1,2,3-Trichlorobenzene	ND	0.27	EPA 8260D	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1213W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.7**	**10.7**	10.0	10.0	107	107	78-125	0	19	
Benzene	**10.9**	**10.9**	10.0	10.0	109	109	80-119	0	16	
Trichloroethene	**10.9**	**11.1**	10.0	10.0	109	111	80-121	2	18	
Toluene	**10.7**	**10.9**	10.0	10.0	107	109	80-117	2	18	
Chlorobenzene	**10.1**	**10.1**	10.0	10.0	101	101	80-117	0	17	
Surrogate:										
Dibromofluoromethane					*97*	*94*	*75-127*			
Toluene-d8					*101*	*101*	*80-127*			
4-Bromofluorobenzene					*103*	*102*	*78-125*			

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QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1214W1					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pyridine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Phenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Aniline	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Isophorone	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dimethylphthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Acenaphthylene	**ND**	0.22	EPA 8270E/SIM	12-14-21	12-14-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1214W1					
2,4-Dinitrophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Acenaphthene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4-Nitrophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.2	EPA 8270E	12-14-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Fluorene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Pentachlorophenol	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Anthracene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Carbazole	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Di-n-butylphthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Fluoranthene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Pyrene	**ND**	0.10	EPA 8270E/SIM	12-14-21	12-14-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.0	EPA 8270E	12-14-21	12-17-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-14-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-14-21	12-14-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*10 - 82*				
Phenol-d6	*30*	*10 - 92*				
Nitrobenzene-d5	*59*	*32 - 105*				
2-Fluorobiphenyl	*67*	*38 - 105*				
2,4,6-Tribromophenol	*88*	*25 - 124*				
Terphenyl-d14	*72*	*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 Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1214W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.8**	**13.4**	40.0	40.0	40	34	21 - 53	16	26	
2-Chlorophenol	**30.7**	**27.4**	40.0	40.0	77	69	38 - 92	11	28	
1,4-Dichlorobenzene	**13.4**	**11.7**	20.0	20.0	67	59	30 - 88	14	32	
n-Nitroso-di-n-propylamine	**15.7**	**14.2**	20.0	20.0	79	71	40 - 103	10	27	
1,2,4-Trichlorobenzene	**14.5**	**12.8**	20.0	20.0	73	64	37 - 95	12	29	
4-Chloro-3-methylphenol	**33.6**	**29.6**	40.0	40.0	84	74	50 - 101	13	17	
Acenaphthene	**16.7**	**14.7**	20.0	20.0	84	74	46 - 97	13	19	
4-Nitrophenol	**25.0**	**21.7**	40.0	40.0	63	54	23 - 64	14	34	
2,4-Dinitrotoluene	**17.6**	**15.3**	20.0	20.0	88	77	46 - 100	14	17	
Pentachlorophenol	**39.8**	**32.9**	40.0	40.0	100	82	39 - 123	19	29	
Pyrene	**17.0**	**15.8**	20.0	20.0	85	79	52 - 107	7	19	
Surrogate:										
2-Fluorophenol					*46*	*40*	*10 - 82*			
Phenol-d6					*36*	*30*	*10 - 92*			
Nitrobenzene-d5					*63*	*56*	*32 - 105*			
2-Fluorobiphenyl					*70*	*64*	*38 - 105*			
2,4,6-Tribromophenol					*92*	*82*	*25 - 124*			
Terphenyl-d14					*71*	*67*	*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:	MB1213W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*42-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1213W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.451**	**0.485**	0.500	0.500	N/A	**90**	**97**	73-131	7	12	
Surrogate:											
DCB						*90*	*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:	MB1213W1					
alpha-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
gamma-BHC (Lindane)	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
beta-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
delta-BHC	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Heptachlor	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Aldrin	**ND**	0.0020	EPA 8081B	12-13-21	12-13-21	
Heptachlor Epoxide	**ND**	0.0030	EPA 8081B	12-13-21	12-13-21	
gamma-Chlordane	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
alpha-Chlordane	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDE	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endosulfan I	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Dieldrin	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDD	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endosulfan II	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
4,4'-DDT	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin Aldehyde	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Methoxychlor	**ND**	0.010	EPA 8081B	12-13-21	12-13-21	
Endosulfan Sulfate	**ND**	0.0050	EPA 8081B	12-13-21	12-13-21	
Endrin Ketone	**ND**	0.020	EPA 8081B	12-13-21	12-13-21	
Toxaphene	**ND**	0.050	EPA 8081B	12-13-21	12-13-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*48*	*25-114*				
DCB	*74*	*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:	SB1213W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	**0.0790**	**0.0764**	0.100	0.100	N/A	**79**	**76**	42-113	3	19	
gamma-BHC (Lindane)	**0.0790**	**0.0774**	0.100	0.100	N/A	**79**	**77**	45-114	2	15	
beta-BHC	**0.0771**	**0.0746**	0.100	0.100	N/A	**77**	**75**	40-118	3	15	
delta-BHC	**0.0652**	**0.0634**	0.100	0.100	N/A	**65**	**63**	20-125	3	15	
Heptachlor	**0.0690**	**0.0659**	0.100	0.100	N/A	**69**	**66**	41-120	5	16	
Aldrin	**0.0630**	**0.0597**	0.100	0.100	N/A	**63**	**60**	35-115	5	15	
Heptachlor Epoxide	**0.0820**	**0.0805**	0.100	0.100	N/A	**82**	**80**	50-118	2	15	
gamma-Chlordane	**0.0754**	**0.0730**	0.100	0.100	N/A	**75**	**73**	46-110	3	15	
alpha-Chlordane	**0.0769**	**0.0742**	0.100	0.100	N/A	**77**	**74**	38-112	4	15	
4,4'-DDE	**0.0772**	**0.0773**	0.100	0.100	N/A	**77**	**77**	41-127	0	15	
Endosulfan I	**0.0858**	**0.0846**	0.100	0.100	N/A	**86**	**85**	45-119	1	15	
Dieldrin	**0.0900**	**0.0867**	0.100	0.100	N/A	**90**	**87**	46-115	4	15	
Endrin	**0.0877**	**0.0847**	0.100	0.100	N/A	**88**	**85**	52-124	3	15	
4,4'-DDD	**0.0884**	**0.0884**	0.100	0.100	N/A	**88**	**88**	52-121	0	15	
Endosulfan II	**0.0853**	**0.0847**	0.100	0.100	N/A	**85**	**85**	44-114	1	15	
4,4'-DDT	**0.0975**	**0.0987**	0.100	0.100	N/A	**98**	**99**	48-123	1	15	
Endrin Aldehyde	**0.108**	**0.106**	0.100	0.100	N/A	**108**	**106**	45-114	2	15	
Methoxychlor	**0.101**	**0.102**	0.100	0.100	N/A	**101**	**102**	49-130	1	15	
Endosulfan Sulfate	**0.0879**	**0.0868**	0.100	0.100	N/A	**88**	**87**	39-117	1	15	
Endrin Ketone	**0.0903**	**0.0881**	0.100	0.100	N/A	**90**	**88**	53-119	2	15	
Surrogate:											
TCMX						*52*	*49*	*25-114*			
DCB						*66*	*61*	*30-137*			

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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:	MB1216WH1					
Iron	**ND**	56	EPA 200.7	12-16-21	12-16-21	
Magnesium	**ND**	1100	EPA 200.7	12-16-21	12-16-21	
Manganese	**ND**	11	EPA 200.7	12-16-21	12-16-21	
Laboratory ID:	MB1213WM1					
Arsenic	**ND**	3.3	EPA 200.8	12-13-21	12-13-21	
Cadmium	**ND**	4.4	EPA 200.8	12-13-21	12-13-21	
Chromium	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Copper	**ND**	11	EPA 200.8	12-13-21	12-13-21	
Lead	**ND**	1.1	EPA 200.8	12-13-21	12-13-21	
Nickel	**ND**	22	EPA 200.8	12-13-21	12-13-21	
Selenium	**ND**	5.6	EPA 200.8	12-13-21	12-13-21	
Zinc	**ND**	28	EPA 200.8	12-13-21	12-13-21	
Laboratory ID:	MB1215W2					
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	

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TOTAL METALS
EPA 200.7/200.8/7470A
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:	12-131-01									
	ORIG	DUP								
Iron	**1280**	**1310**	NA	NA		NA	NA	3	20	
Magnesium	**50000**	**47300**	NA	NA		NA	NA	6	20	
Manganese	**2100**	**2020**	NA	NA		NA	NA	4	20	
Laboratory ID:	12-089-01									
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:	12-108-01									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	12-131-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	**25000**	**24900**	22200	22200	1310	**107**	**106**	75-125	0	20
Magnesium	**76700**	**75600**	22200	22200	50000	**120**	**115**	75-125	1	20
Manganese	**2590**	**2660**	556	556	2020	**102**	**114**	75-125	3	20
Laboratory ID:	12-089-01									
Arsenic	**128**	**132**	111	111	ND	**116**	**119**	75-125	3	20
Cadmium	**124**	**130**	111	111	ND	**112**	**117**	75-125	5	20
Chromium	**118**	**124**	111	111	ND	**107**	**112**	75-125	5	20
Copper	**112**	**117**	111	111	ND	**101**	**105**	75-125	4	20
Lead	**116**	**120**	111	111	ND	**104**	**108**	75-125	4	20
Nickel	**115**	**121**	111	111	ND	**104**	**109**	75-125	5	20
Selenium	**126**	**133**	111	111	ND	**114**	**120**	75-125	5	20
Zinc	**116**	**122**	111	111	ND	**105**	**110**	75-125	5	20
Laboratory ID:	12-108-01									
Mercury	**5.60**	**5.58**	6.25	6.25	ND	**90**	**89**	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:	MB1210D1					
Calcium	**ND**	1100	EPA 200.7		12-10-21	
Iron	**ND**	56	EPA 200.7		12-10-21	
Magnesium	**ND**	1100	EPA 200.7		12-10-21	
Manganese	**ND**	11	EPA 200.7		12-10-21	
Potassium	**ND**	1100	EPA 200.7		12-10-21	
Sodium	**ND**	1100	EPA 200.7		12-10-21	
Laboratory ID:	MB1209F1					
Arsenic	**ND**	3.0	EPA 200.8	12-9-21	12-10-21	
Cadmium	**ND**	4.0	EPA 200.8	12-9-21	12-10-21	
Chromium	**ND**	10	EPA 200.8	12-9-21	12-10-21	
Copper	**ND**	10	EPA 200.8	12-9-21	12-10-21	
Lead	**ND**	1.0	EPA 200.8	12-9-21	12-10-21	
Nickel	**ND**	20	EPA 200.8	12-9-21	12-10-21	
Selenium	**ND**	5.0	EPA 200.8	12-9-21	12-10-21	
Zinc	**ND**	25	EPA 200.8	12-9-21	12-10-21	
Laboratory ID:	MB1217D1					
Mercury	**ND**	0.025	EPA 7470A		12-17-21	

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DISSOLVED METALS
EPA 200.7/200.8/7470A
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:	12-104-01										
	ORIG	DUP									
Calcium	**4460**	**4440**	NA	NA		NA		NA	0	20	
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Magnesium	**2740**	**2720**	NA	NA		NA		NA	1	20	
Manganese	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Potassium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Sodium	**2780**	**2120**	NA	NA		NA		NA	27	20	C
Laboratory ID:	12-104-01										
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	**13.9**	**15.6**	NA	NA		NA		NA	11	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:	12-108-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	12-104-01										
	MS	MSD	MS	MSD		MS	MSD				
Calcium	**27800**	**27600**	22200	22200	4460	**105**	**104**	75-125	0	20	
Iron	**25100**	**25100**	22200	22200	ND	**113**	**113**	75-125	0	20	
Magnesium	**27800**	**27900**	22200	22200	2740	**113**	**113**	75-125	0	20	
Manganese	**583**	**581**	556	556	ND	**105**	**104**	75-125	0	20	
Potassium	**23300**	**23200**	22200	22200	ND	**105**	**105**	75-125	0	20	
Sodium	**28400**	**28000**	22200	22200	2780	**116**	**114**	75-125	2	20	
Laboratory ID:	12-104-01										
Arsenic	**83.8**	**76.2**	80.0	80.0	ND	**105**	**95**	75-125	9	20	
Cadmium	**79.2**	**78.0**	80.0	80.0	ND	**99**	**98**	75-125	2	20	
Chromium	**77.4**	**73.6**	80.0	80.0	ND	**97**	**92**	75-125	5	20	
Copper	**91.0**	**87.8**	80.0	80.0	13.9	**96**	**92**	75-125	4	20	
Lead	**76.6**	**76.0**	80.0	80.0	ND	**96**	**95**	75-125	1	20	
Nickel	**75.6**	**72.4**	80.0	80.0	ND	**95**	**91**	75-125	4	20	
Selenium	**76.2**	**75.4**	80.0	80.0	ND	**95**	**94**	75-125	1	20	
Zinc	**94.6**	**91.0**	80.0	80.0	14.1	**101**	**96**	75-125	4	20	
Laboratory ID:	12-108-01										
Mercury	**5.78**	**5.75**	6.25	6.25	ND	**92**	**92**	75-125	0	20	

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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:	MB1213W1					
Total Dissolved Solids	**ND**	13	SM 2540C	12-13-21	12-14-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-085-01								
	ORIG	DUP							
Total Dissolved Solids	**159**	**153**	NA	NA	NA	NA	4	29	
SPIKE BLANK									
Laboratory ID:	SB1213W1								
	SB		SB		SB				
Total Dissolved Solids	**477**		500	NA	95	84-110	NA	NA	

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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:	MB1210W1					
Total Alkalinity	**ND**	2.0	SM 2320B	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-075-01								
	ORIG	DUP							
Total Alkalinity	**108**	**108**	NA	NA	NA	NA	0	10	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Total Alkalinity	**94.0**		100	NA	94	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:	MB1210W1					
Bicarbonate Concentration	**ND**	2.0	SM 2320B	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-075-01								
	ORIG	DUP							
Total Alkalinity	**108**	**108**	NA	NA	NA	NA	0	10	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Total Alkalinity	**94.0**		100	NA	94	89-110	NA	NA	

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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:	MB1214W1					
Chloride	**ND**	2.0	SM 4500-Cl E	12-14-21	12-14-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-086-01								
	ORIG	DUP							
Chloride	**4.05**	**4.11**	NA	NA	NA	NA	1	15	
MATRIX SPIKE									
Laboratory ID:	12-086-01								
	MS		MS		MS				
Chloride	**58.8**		50.0	4.05	110	86-115	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1214W1								
	SB		SB		SB				
Chloride	**55.9**		50.0	NA	112	86-115	NA	NA	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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:	MB1210W1					
Nitrate	**ND**	0.050	EPA 353.2	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-086-01								
	ORIG	DUP							
Nitrate	**0.460**	**0.450**	NA	NA	NA	NA	2	16	
MATRIX SPIKE									
Laboratory ID:	12-086-01								
	MS		MS		MS				
Nitrate	**2.92**		2.00	0.460	123	92-125	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Nitrate	**2.15**		2.00	NA	108	90-121	NA	NA	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
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:	MB1210W1					
Sulfate	**ND**	5.0	ASTM D516-11	12-10-21	12-10-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-075-01								
	ORIG	DUP							
Sulfate	**13.9**	**13.9**	NA	NA	NA	NA	0	10	
MATRIX SPIKE									
Laboratory ID:	12-075-01								
	MS		MS		MS				
Sulfate	**22.5**		10.0	13.9	86	69-139	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1210W1								
	SB		SB		SB				
Sulfate	**10.0**		10.0	NA	100	89-117	NA	NA	

Date of Report: December 22, 2021
Samples Submitted: December 10, 2021
Laboratory Reference: 2112-108
Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1213W1					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-13-21	12-13-21	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-086-01							
	ORIG DUP							
Ammonia	**ND** **ND**	NA	NA	NA	NA	NA	19	
MATRIX SPIKE								
Laboratory ID:	12-086-01							
	MS	MS		MS				
Ammonia	**4.82**	5.00	ND	96	80-113	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB1213W1							
	SB	SB		SB				
Ammonia	**4.99**	5.00	NA	100	88-110	NA	NA	

OnSite Environmental Inc.

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: 12-108
Work Order Number: 2112185

December 22, 2021

Attention David Baumeister:

Fremont Analytical, Inc. received 3 sample(s) on 12/10/2021 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

Date: *12/22/2021*

CLIENT: OnSite Environmental Inc
Project: 12-108
Work Order: 2112185

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2112185-001	MW2-211208	12/08/2021 3:00 PM	12/10/2021 3:19 PM
2112185-002	MW6-211209	12/09/2021 12:10 PM	12/10/2021 3:19 PM
2112185-003	MW7-211209	12/09/2021 3:00 PM	12/10/2021 3:19 PM

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

Case Narrative

WO#: **2112185**
Date: **12/22/2021**

CLIENT: OnSite Environmental Inc
Project: 12-108

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

Analytical Report

Work Order: **2112185**
Date Reported: **12/22/2021**

Client: OnSite Environmental Inc
Collection Date: 12/8/2021 3:00:00 PM
Project: 12-108
Lab ID: 2112185-001
Matrix: Water
Client Sample ID: **MW2-211208**

Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 34715 Analyst: SB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dicamba	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
2,4-D	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
2,4-DP	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
2,4,5-TP (Silvex)	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
2,4,5-T	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
Dinoseb	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
Dalapon	ND	1.97		µg/L	1	12/17/2021 2:18:27 PM
2,4-DB	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
MCPP	ND	4.92		µg/L	1	12/17/2021 2:18:27 PM
MCPA	ND	4.92		µg/L	1	12/17/2021 2:18:27 PM
Picloram	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
Bentazon	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
Chloramben	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
Acifluorfen	ND	4.92		µg/L	1	12/17/2021 2:18:27 PM
3,5-Dichlorobenzoic acid	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
4-Nitrophenol	ND	0.983		µg/L	1	12/17/2021 2:18:27 PM
Dacthal (DCPA)	ND	1.97		µg/L	1	12/17/2021 2:18:27 PM
Surr: 2,4-Dichlorophenylacetic acid	113	62.3 - 134		%Rec	1	12/17/2021 2:18:27 PM

Analytical Report

Work Order: **2112185**
Date Reported: **12/22/2021**

Client: OnSite Environmental Inc
Collection Date: 12/9/2021 12:10:00 PM
Project: 12-108
Lab ID: 2112185-002
Matrix: Water
Client Sample ID: **MW6-211209**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Herbicides by EPA Method 8151A (GC/MS)				Batch ID: 34715		Analyst: SB
Dicamba	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
2,4-D	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
2,4-DP	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
2,4,5-TP (Silvex)	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
2,4,5-T	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
Dinoseb	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
Dalapon	ND	1.99		µg/L	1	12/17/2021 2:39:03 PM
2,4-DB	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
MCPP	ND	4.99		µg/L	1	12/17/2021 2:39:03 PM
MCPA	ND	4.99		µg/L	1	12/17/2021 2:39:03 PM
Picloram	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
Bentazon	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
Chloramben	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
Acifluorfen	ND	4.99		µg/L	1	12/17/2021 2:39:03 PM
3,5-Dichlorobenzoic acid	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
4-Nitrophenol	ND	0.997		µg/L	1	12/17/2021 2:39:03 PM
Dacthal (DCPA)	ND	1.99		µg/L	1	12/17/2021 2:39:03 PM
Surr: 2,4-Dichlorophenylacetic acid	119	62.3 - 134		%Rec	1	12/17/2021 2:39:03 PM

Analytical Report

Work Order: **2112185**
Date Reported: **12/22/2021**

Client: OnSite Environmental Inc
Collection Date: 12/9/2021 3:00:00 PM
Project: 12-108
Lab ID: 2112185-003
Matrix: Water
Client Sample ID: **MW7-211209**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Herbicides by EPA Method 8151A (GC/MS)				Batch ID: 34715		Analyst: SB
Dicamba	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
2,4-D	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
2,4-DP	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
2,4,5-TP (Silvex)	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
2,4,5-T	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
Dinoseb	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
Dalapon	ND	1.98		µg/L	1	12/17/2021 4:00:35 PM
2,4-DB	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
MCPP	ND	4.94		µg/L	1	12/17/2021 4:00:35 PM
MCPA	ND	4.94		µg/L	1	12/17/2021 4:00:35 PM
Picloram	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
Bentazon	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
Chloramben	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
Acifluorfen	ND	4.94		µg/L	1	12/17/2021 4:00:35 PM
3,5-Dichlorobenzoic acid	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
4-Nitrophenol	ND	0.988		µg/L	1	12/17/2021 4:00:35 PM
Dacthal (DCPA)	ND	1.98		µg/L	1	12/17/2021 4:00:35 PM
Surr: 2,4-Dichlorophenylacetic acid	109	62.3 - 134		%Rec	1	12/17/2021 4:00:35 PM

Work Order: 2112185
CLIENT: OnSite Environmental Inc
Project: 12-108

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **MB-34715** SampType: **MBLK** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **MBLKW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470518**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	0.988									
2,4-D	ND	0.988									
2,4-DP	ND	0.988									
2,4,5-TP (Silvex)	ND	0.988									
2,4,5-T	ND	0.988									
Dinoseb	ND	0.988									
Dalapon	ND	1.98									
2,4-DB	ND	0.988									
MCPP	ND	4.94									
MCPA	ND	4.94									
Picloram	ND	0.988									
Bentazon	ND	0.988									
Chloramben	ND	0.988									
Acifluorfen	ND	4.94									
3,5-Dichlorobenzoic acid	ND	0.988									
4-Nitrophenol	ND	0.988									
Dacthal (DCPA)	ND	1.98									
Surr: 2,4-Dichlorophenylacetic acid	26.5		19.76		134	62.3	134				

Sample ID: **LCS-34715** SampType: **LCS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.59	0.991	3.963	0	90.6	12.4	143				
2,4-D	4.29	0.991	3.963	0	108	43.3	143				
2,4-DP	3.92	0.991	3.963	0	98.9	49.7	129				
2,4,5-TP (Silvex)	4.00	0.991	3.963	0	101	45.2	134				
2,4,5-T	4.09	0.991	3.963	0	103	43.8	133				
Dinoseb	2.72	0.991	3.963	0	68.6	5	135				
Dalapon	13.3	1.98	19.81	0	67.3	6.92	95.8				

Work Order: 2112185
CLIENT: OnSite Environmental Inc
Project: 12-108

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCS-34715** SampType: **LCS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470519**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.67	0.991	3.963	0	92.7	42	141				
MCPP	23.4	4.95	19.81	0	118	35	163				
MCPA	23.6	4.95	19.81	0	119	19	171				
Picloram	3.60	0.991	3.963	0	90.9	5	110				
Bentazon	3.43	0.991	3.963	0	86.5	36.1	139				
Chloramben	1.89	0.991	3.963	0	47.7	5	116				
Acifluorfen	2.81	4.95	3.963	0	70.8	8.43	153				
3,5-Dichlorobenzoic acid	3.20	0.991	3.963	0	80.7	56	122				
4-Nitrophenol	1.66	0.991	3.963	0	41.9	9.06	113				
Dacthal (DCPA)	1.34	1.98	3.963	0	34.5	5	54.3				
Surr: 2,4-Dichlorophenylacetic acid	26.6		19.81		134	62.3	134				

Sample ID: **LCSD-34715** SampType: **LCSD** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW02** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470520**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.08	0.990	3.961	0	77.7	12.4	143	3.592	15.4	30	
2,4-D	3.55	0.990	3.961	0	89.7	43.3	143	4.288	18.7	30	
2,4-DP	3.35	0.990	3.961	0	84.6	49.7	129	3.921	15.6	30	
2,4,5-TP (Silvex)	3.33	0.990	3.961	0	84.2	45.2	134	4.003	18.2	30	
2,4,5-T	3.50	0.990	3.961	0	88.5	43.8	133	4.085	15.3	30	
Dinoseb	2.00	0.990	3.961	0	50.4	5	135	2.717	30.6	30	
Dalapon	11.5	1.98	19.81	0	57.8	6.92	95.8	13.34	15.2	30	
2,4-DB	3.27	0.990	3.961	0	82.6	42	141	3.672	11.5	30	
MCPP	17.3	4.95	19.81	0	87.4	35	163	23.37	29.8	30	R
MCPA	17.7	4.95	19.81	0	89.3	19	171	23.63	28.8	30	R
Picloram	3.06	0.990	3.961	0	77.3	5	110	3.603	16.3	30	
Bentazon	2.96	0.990	3.961	0	74.7	36.1	139	3.427	14.6	30	
Chloramben	1.77	0.990	3.961	0	44.6	5	116	1.889	6.74	30	
Acifluorfen	2.62	4.95	3.961	0	66.2	8.43	153	2.807	6.76	30	

Work Order: 2112185
CLIENT: OnSite Environmental Inc
Project: 12-108

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCSD-34715** SampType: **LCSD** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **LCSW02** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470520**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	2.80	0.990	3.961	0	70.7	56	122	3.198	13.3	30	
4-Nitrophenol	1.47	0.990	3.961	0	37.0	9.06	113	1.661	12.3	30	
Dacthal (DCPA)	1.17	1.98	3.961	0	29.5	5	54.3	1.369	15.8	30	
Surr: 2,4-Dichlorophenylacetic acid	22.7		19.81		115	62.3	134		0		

NOTES:
R - High RPD observed, spike recovery is within range.

Sample ID: **2112120-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **12/10/2021** RunNo: **72079**
Client ID: **BATCH** Batch ID: **34715** Analysis Date: **12/17/2021** SeqNo: **1470522**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.19	0.996	3.985	0	80.0	32.5	139				
2,4-D	3.73	0.996	3.985	0	93.5	45.9	150				
2,4-DP	3.44	0.996	3.985	0	86.3	44.1	144				
2,4,5-TP (Silvex)	3.53	0.996	3.985	0	88.5	46.3	136				
2,4,5-T	3.58	0.996	3.985	0	89.8	37	145				
Dinoseb	2.38	0.996	3.985	0	59.7	32.1	115				
Dalapon	12.3	1.99	19.92	0	62.0	17.7	108				
2,4-DB	3.27	0.996	3.985	0	82.0	37.6	153				
MCPP	17.7	4.98	19.92	0	88.9	41.3	186				
MCPA	18.1	4.98	19.92	0	90.9	48.9	173				
Picloram	3.52	0.996	3.985	0	88.4	23.2	104				
Bentazon	3.22	0.996	3.985	0	80.8	13.2	186				
Chloramben	1.85	0.996	3.985	0	46.4	5	115				
Acifluorfen	2.59	4.98	3.985	0	65.0	27.1	141				
3,5-Dichlorobenzoic acid	2.99	0.996	3.985	0	75.1	35.3	149				
4-Nitrophenol	1.49	0.996	3.985	0	37.3	5	118				
Dacthal (DCPA)	1.14	1.99	3.985	0	28.7	5	92.5				
Surr: 2,4-Dichlorophenylacetic acid	24.1		19.92		121	62.3	134				

Sample Log-In Check List

Client Name:	**ONSITE**	Work Order Number:	**2112185**
Logged by:	**Gabrielle Coeuille**	Date Received:	**12/10/2021 3:19:00 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:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	5.3

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

2112185

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

Laboratory: Fremont Analytical
Attention: Chelsea Ward
3600 Fremont Avenue N, Seattle, WA 98103
Phone Number: (206) 352-3790

Turnaround Request
1 Day 2 Day 3 Day
Standard
Other: ______

Laboratory Reference #: 12-108
Project Manager: David Baumeister
email: dbaumeister@onsite-env.com
Project Number: 669400205
Project Name: ______

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	MW2-211208	12/8/21	15:00	W	1	Chlorinated Acid Herbicides
	MW6-211209	12/9/21	12:10	W	1	Chlorinated Acid Herbicides
	MW7-211209	12/9/21	15:00	W	1	Chlorinated Acid Herbicides

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by: [signature]	OSE	12/10/21	1400	**EDDs**
Received by: J. Isaacson	ALPHA	12/10/21	1400	
Relinquished by: J. Isaacson	ALPHA	12/10/21	1515	
Received by: [signature]	FAI	12/10/21	1519	
Relinquished by:				
Received by:				

Chain of Custody

Page 1 of 1

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

Company: GeoEngineers
Project Number: 6694-00205
Project Name: Go East
Project Manager: Garrett Leque
Sampled by: Dexter Chan

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 12-108

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ 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	TCLP Metals	HEM (oil and grease) 1664A	TDS	tot & diss Metals	Alkalinity & bicarbonate SM2320B	Diss Ca, K, Na 200.7/200.8	% Moisture Cl, NO3, SO4, NH4
1	MW2-211208	12/8/21	1500	GW	18			X	X	X			X		X	X		X					X	X	X	X	X
2	TB-2-211208	12/8/21	—	W	1					X																		
3	MW6-211209	12/9/21	1210	W	18			X	X	X			X		X	X		X					X	X	X	X	X
4	MW7-211209	12/9/21	1500	W	15			X	X	X			X		X	X	X						X	X	X	X	X
5	TB-1-211209	12/9/21	—	W	1					X																		
6	TB-2-211209	12/9/21	—	W	1					X																		

	Signature	Company	Date	Time
Relinquished		GeoEngineers	12/9/21	
Received				
Relinquished				
Received		COSE	12/10/21	0945
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

See Garrett for full list

tot & diss. metals:
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) ☐

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

MW-8 and DUP

December 27, 2021

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

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2112-131

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on December 14, 2021.

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,

David Baumeister
Project Manager

Enclosures

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
Project: 6694-002-05 T700

Case Narrative

Samples were collected on December 13, 2021 and received by the laboratory on December 14, 2021. 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) Analysis EPA 353.2

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: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW8-211213	12-131-01	Water	12-13-21	12-14-21	
TB-1-211213	12-131-02	Water	12-13-21	12-14-21	
DUP-211213	12-131-03	Water	12-13-21	12-14-21	

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Gasoline	**ND**	100	NWTPH-Gx	12-15-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*66-117*				
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Gasoline	**ND**	100	NWTPH-Gx	12-15-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*66-117*				

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	12-16-21	12-16-21	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	12-16-21	12-16-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	12-16-21	12-16-21	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-16-21	12-16-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*115*	*50-150*				

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloromethane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromomethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloroethane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Acetone	ND	6.6	EPA 8260D	12-15-21	12-15-21	
Iodomethane	ND	5.0	EPA 8260D	12-15-21	12-15-21	
Carbon Disulfide	ND	0.26	EPA 8260D	12-15-21	12-15-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-15-21	12-15-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-15-21	12-15-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Butanone	ND	6.3	EPA 8260D	12-15-21	12-15-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloroform	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Benzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Trichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Dibromomethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-15-21	12-15-21	
Toluene	ND	1.0	EPA 8260D	12-15-21	12-15-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW8-211213**					
Laboratory ID:	12-131-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Hexanone	ND	2.0	EPA 8260D	12-15-21	12-15-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-15-21	12-15-21	
o-Xylene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Styrene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromoform	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Naphthalene	ND	1.3	EPA 8260D	12-15-21	12-15-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*93*	*78-125*				

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	**TB-1-211213**					
Laboratory ID:	12-131-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloromethane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromomethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloroethane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Acetone	ND	6.6	EPA 8260D	12-15-21	12-15-21	
Iodomethane	ND	5.0	EPA 8260D	12-15-21	12-15-21	
Carbon Disulfide	ND	0.26	EPA 8260D	12-15-21	12-15-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-15-21	12-15-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-15-21	12-15-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Butanone	ND	6.3	EPA 8260D	12-15-21	12-15-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloroform	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Benzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Trichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Dibromomethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-15-21	12-15-21	
Toluene	ND	1.0	EPA 8260D	12-15-21	12-15-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-1-211213**					
Laboratory ID:	12-131-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Hexanone	ND	2.0	EPA 8260D	12-15-21	12-15-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-15-21	12-15-21	
o-Xylene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Styrene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromoform	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Naphthalene	ND	1.3	EPA 8260D	12-15-21	12-15-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
Project: 6694-002-05 T700

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloromethane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromomethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloroethane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Acetone	ND	6.6	EPA 8260D	12-15-21	12-15-21	
Iodomethane	ND	5.0	EPA 8260D	12-15-21	12-15-21	
Carbon Disulfide	ND	0.26	EPA 8260D	12-15-21	12-15-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-15-21	12-15-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-15-21	12-15-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Butanone	ND	6.3	EPA 8260D	12-15-21	12-15-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloroform	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Benzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Trichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Dibromomethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-15-21	12-15-21	
Toluene	ND	1.0	EPA 8260D	12-15-21	12-15-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Hexanone	ND	2.0	EPA 8260D	12-15-21	12-15-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-15-21	12-15-21	
o-Xylene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Styrene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromoform	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Naphthalene	ND	1.3	EPA 8260D	12-15-21	12-15-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*93*	*78-125*				

Date of Report: December 27, 2021
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW8-211213**					
Laboratory ID:	12-131-01					
n-Nitrosodimethylamine	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Pyridine	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Phenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Aniline	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2-Chlorophenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
1,3-Dichlorobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
1,4-Dichlorobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Benzyl alcohol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
1,2-Dichlorobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Hexachloroethane	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Nitrobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Isophorone	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2-Nitrophenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2,4-Dimethylphenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2,4-Dichlorophenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Naphthalene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
4-Chloroaniline	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Hexachlorobutadiene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2-Methylnaphthalene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
1-Methylnaphthalene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
Hexachlorocyclopentadiene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2,3-Dichloroaniline	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2-Chloronaphthalene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2-Nitroaniline	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
1,4-Dinitrobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Dimethylphthalate	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
1,3-Dinitrobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2,6-Dinitrotoluene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
1,2-Dinitrobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Acenaphthylene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
3-Nitroaniline	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW8-211213**					
Laboratory ID:	12-131-01					
2,4-Dinitrophenol	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
Acenaphthene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
4-Nitrophenol	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
2,4-Dinitrotoluene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Dibenzofuran	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Diethylphthalate	**4.7**	0.99	EPA 8270E	12-17-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
4-Nitroaniline	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Fluorene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
4,6-Dinitro-2-methylphenol	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Hexachlorobenzene	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Pentachlorophenol	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
Phenanthrene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
Anthracene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
Carbazole	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Di-n-butylphthalate	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
Fluoranthene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
Pyrene	**ND**	0.099	EPA 8270E/SIM	12-17-21	12-17-21	
Butylbenzylphthalate	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Benzo[a]anthracene	**ND**	0.0099	EPA 8270E/SIM	12-17-21	12-17-21	
Chrysene	**ND**	0.0099	EPA 8270E/SIM	12-17-21	12-17-21	
bis(2-Ethylhexyl)phthalate	**ND**	4.9	EPA 8270E	12-17-21	12-17-21	
Di-n-octylphthalate	**ND**	0.99	EPA 8270E	12-17-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.0099	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo(j,k)fluoranthene	**ND**	0.0099	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo[a]pyrene	**ND**	0.0099	EPA 8270E/SIM	12-17-21	12-17-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.0099	EPA 8270E/SIM	12-17-21	12-17-21	
Dibenz[a,h]anthracene	**ND**	0.0099	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo[g,h,i]perylene	**ND**	0.0099	EPA 8270E/SIM	12-17-21	12-17-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*34*	*10 - 82*				
Phenol-d6	*25*	*10 - 92*				
Nitrobenzene-d5	*64*	*32 - 105*				
2-Fluorobiphenyl	*70*	*38 - 105*				
2,4,6-Tribromophenol	*83*	*25 - 124*				
Terphenyl-d14	*59*	*42 - 116*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Pyridine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Phenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Aniline	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Isophorone	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Dimethylphthalate	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Acenaphthylene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	

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Laboratory Reference: 2112-131
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
2,4-Dinitrophenol	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
Acenaphthene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
4-Nitrophenol	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Fluorene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Pentachlorophenol	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Anthracene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Carbazole	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Di-n-butylphthalate	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
Fluoranthene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Pyrene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*33*	*10 - 82*				
Phenol-d6	*24*	*10 - 92*				
Nitrobenzene-d5	*62*	*32 - 105*				
2-Fluorobiphenyl	*66*	*38 - 105*				
2,4,6-Tribromophenol	*82*	*25 - 124*				
Terphenyl-d14	*60*	*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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Aroclor 1016	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1221	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1232	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1242	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1248	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1254	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1260	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*42-140*				
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Aroclor 1016	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1221	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1232	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1242	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1248	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1254	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Aroclor 1260	**ND**	0.049	EPA 8082A	12-16-21	12-17-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*42-140*				

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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:	**MW8-211213**					
Laboratory ID:	12-131-01					
alpha-BHC	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
gamma-BHC (Lindane)	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
beta-BHC	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
delta-BHC	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Heptachlor	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Aldrin	**ND**	0.0019	EPA 8081B	12-16-21	12-16-21	
Heptachlor Epoxide	**ND**	0.0029	EPA 8081B	12-16-21	12-16-21	
gamma-Chlordane	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
alpha-Chlordane	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
4,4'-DDE	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endosulfan I	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Dieldrin	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endrin	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
4,4'-DDD	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endosulfan II	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
4,4'-DDT	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endrin Aldehyde	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Methoxychlor	**ND**	0.0097	EPA 8081B	12-16-21	12-16-21	
Endosulfan Sulfate	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endrin Ketone	**ND**	0.019	EPA 8081B	12-16-21	12-16-21	
Toxaphene	**ND**	0.049	EPA 8081B	12-16-21	12-16-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*62*	*25-114*				
DCB	*66*	*30-137*				

Date of Report: December 27, 2021
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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:	**DUP-211213**					
Laboratory ID:	12-131-03					
alpha-BHC	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
gamma-BHC (Lindane)	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
beta-BHC	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
delta-BHC	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Heptachlor	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Aldrin	**ND**	0.0019	EPA 8081B	12-16-21	12-16-21	
Heptachlor Epoxide	**ND**	0.0029	EPA 8081B	12-16-21	12-16-21	
gamma-Chlordane	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
alpha-Chlordane	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
4,4'-DDE	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endosulfan I	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Dieldrin	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endrin	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
4,4'-DDD	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endosulfan II	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
4,4'-DDT	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endrin Aldehyde	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Methoxychlor	**ND**	0.0097	EPA 8081B	12-16-21	12-16-21	
Endosulfan Sulfate	**ND**	0.0049	EPA 8081B	12-16-21	12-16-21	
Endrin Ketone	**ND**	0.019	EPA 8081B	12-16-21	12-16-21	
Toxaphene	**ND**	0.049	EPA 8081B	12-16-21	12-16-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*47*	*25-114*				
DCB	*61*	*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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Arsenic	**ND**	3.3	EPA 200.8	12-16-21	12-16-21	
Cadmium	**ND**	4.4	EPA 200.8	12-16-21	12-16-21	
Chromium	**ND**	11	EPA 200.8	12-16-21	12-16-21	
Copper	**ND**	11	EPA 200.8	12-16-21	12-16-21	
Iron	**1300**	56	EPA 200.7	12-16-21	12-16-21	
Lead	**ND**	1.1	EPA 200.8	12-16-21	12-16-21	
Magnesium	**50000**	5600	EPA 200.7	12-16-21	12-16-21	
Manganese	**2100**	11	EPA 200.7	12-16-21	12-16-21	
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	
Nickel	**39**	22	EPA 200.8	12-16-21	12-16-21	
Selenium	**ND**	5.6	EPA 200.8	12-16-21	12-16-21	
Zinc	**ND**	28	EPA 200.8	12-16-21	12-16-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Arsenic	**ND**	3.3	EPA 200.8	12-16-21	12-16-21	
Cadmium	**ND**	4.4	EPA 200.8	12-16-21	12-16-21	
Chromium	**ND**	11	EPA 200.8	12-16-21	12-16-21	
Copper	**ND**	11	EPA 200.8	12-16-21	12-16-21	
Iron	**1400**	56	EPA 200.7	12-16-21	12-16-21	
Lead	**ND**	1.1	EPA 200.8	12-16-21	12-16-21	
Magnesium	**50000**	1100	EPA 200.7	12-16-21	12-16-21	
Manganese	**2200**	11	EPA 200.7	12-16-21	12-16-21	
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	
Nickel	**ND**	22	EPA 200.8	12-16-21	12-16-21	
Selenium	**ND**	5.6	EPA 200.8	12-16-21	12-16-21	
Zinc	**ND**	28	EPA 200.8	12-16-21	12-16-21	

Date of Report: December 27, 2021
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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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Arsenic	**ND**	3.0	EPA 200.8		12-15-21	
Cadmium	**ND**	4.0	EPA 200.8		12-15-21	
Calcium	**37000**	1100	EPA 200.7		12-15-21	
Chromium	**ND**	10	EPA 200.8		12-15-21	
Copper	**ND**	10	EPA 200.8		12-15-21	
Iron	**120**	56	EPA 200.7		12-15-21	
Lead	**ND**	1.0	EPA 200.8		12-15-21	
Magnesium	**41000**	1100	EPA 200.7		12-15-21	
Manganese	**1900**	11	EPA 200.7		12-15-21	
Mercury	**ND**	0.025	EPA 7470A		12-17-21	
Nickel	**ND**	20	EPA 200.8		12-15-21	
Potassium	**4100**	1100	EPA 200.7		12-15-21	
Selenium	**ND**	5.0	EPA 200.8		12-15-21	
Sodium	**11000**	1100	EPA 200.7		12-15-21	
Zinc	**ND**	25	EPA 200.8		12-15-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Arsenic	**ND**	3.0	EPA 200.8		12-15-21	
Cadmium	**ND**	4.0	EPA 200.8		12-15-21	
Calcium	**38000**	1100	EPA 200.7		12-15-21	
Chromium	**ND**	10	EPA 200.8		12-15-21	
Copper	**ND**	10	EPA 200.8		12-15-21	
Iron	**110**	56	EPA 200.7		12-15-21	
Lead	**ND**	1.0	EPA 200.8		12-15-21	
Magnesium	**42000**	1100	EPA 200.7		12-15-21	
Manganese	**1900**	11	EPA 200.7		12-15-21	
Mercury	**ND**	0.025	EPA 7470A		12-17-21	
Nickel	**ND**	20	EPA 200.8		12-15-21	
Potassium	**4500**	1100	EPA 200.7		12-15-21	
Selenium	**ND**	5.0	EPA 200.8		12-15-21	
Sodium	**11000**	1100	EPA 200.7		12-15-21	
Zinc	**ND**	25	EPA 200.8		12-15-21	

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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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Total Alkalinity	**230**	2.0	SM 2320B	12-15-21	12-15-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Total Alkalinity	**220**	2.0	SM 2320B	12-15-21	12-15-21	

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TOTAL BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW8-211213**					
Laboratory ID:	12-131-01					
Bicarbonate Concentration	**230**	2.0	SM 2320B	12-15-21	12-15-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Bicarbonate Concentration	**220**	2.0	SM 2320B	12-15-21	12-15-21	

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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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Total Dissolved Solids	**320**	13	SM 2540C	12-17-21	12-20-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Total Dissolved Solids	**320**	13	SM 2540C	12-17-21	12-20-21	

Date of Report: December 27, 2021
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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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Chloride	**4.5**	2.0	SM 4500-Cl E	12-20-21	12-20-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Chloride	**4.5**	2.0	SM 4500-Cl E	12-20-21	12-20-21	

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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:	**MW8-211213**					
Laboratory ID:	12-131-01					
Nitrate	**0.10**	0.050	EPA 353.2	12-17-21	12-17-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Nitrate	**0.65**	0.050	EPA 353.2	12-17-21	12-17-21	

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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW8-211213**					
Laboratory ID:	12-131-01					
Sulfate	**73**	25	ASTM D516-11	12-16-21	12-16-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Sulfate	**71**	25	ASTM D516-11	12-16-21	12-16-21	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW8-211213**					
Laboratory ID:	12-131-01					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-17-21	12-17-21	
Client ID:	**DUP-211213**					
Laboratory ID:	12-131-03					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-17-21	12-17-21	

Date of Report: December 27, 2021
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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:	MB1215W2					
Gasoline	**ND**	100	NWTPH-Gx	12-15-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-123-02										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*97*	*97*	*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:	MB1216W1					
Diesel Range Organics	**ND**	0.15	NWTPH-Dx	12-16-21	12-16-21	
Lube Oil Range Organics	**ND**	0.15	NWTPH-Dx	12-16-21	12-16-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-144-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*99*	*99*	*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:	MB1215W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloromethane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromomethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloroethane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Acetone	ND	6.6	EPA 8260D	12-15-21	12-15-21	
Iodomethane	ND	5.0	EPA 8260D	12-15-21	12-15-21	
Carbon Disulfide	ND	0.26	EPA 8260D	12-15-21	12-15-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-15-21	12-15-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-15-21	12-15-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Butanone	ND	6.3	EPA 8260D	12-15-21	12-15-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chloroform	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Benzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Trichloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Dibromomethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-15-21	12-15-21	
Toluene	ND	1.0	EPA 8260D	12-15-21	12-15-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-15-21	12-15-21	

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Laboratory Reference: 2112-131
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:	MB1215W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Hexanone	ND	2.0	EPA 8260D	12-15-21	12-15-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-15-21	12-15-21	
o-Xylene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Styrene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromoform	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Bromobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-15-21	12-15-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-15-21	12-15-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-15-21	12-15-21	
Naphthalene	ND	1.3	EPA 8260D	12-15-21	12-15-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-15-21	12-15-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

Date of Report: December 27, 2021
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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 Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1215W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.17**	**9.30**	10.0	10.0	92	93	78-125	1	19	
Benzene	**9.17**	**9.26**	10.0	10.0	92	93	80-119	1	16	
Trichloroethene	**9.46**	**9.51**	10.0	10.0	95	95	80-121	1	18	
Toluene	**8.99**	**9.11**	10.0	10.0	90	91	80-117	1	18	
Chlorobenzene	**9.95**	**9.91**	10.0	10.0	100	99	80-117	0	17	
Surrogate:										
Dibromofluoromethane					*95*	*99*	*75-127*			
Toluene-d8					*98*	*99*	*80-127*			
4-Bromofluorobenzene					*96*	*98*	*78-125*			

Date of Report: December 27, 2021
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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:	MB1217W2					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Pyridine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Phenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Aniline	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Isophorone	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Dimethylphthalate	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Acenaphthylene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	

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QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1217W2					
2,4-Dinitrophenol	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
Acenaphthene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
4-Nitrophenol	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Fluorene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Pentachlorophenol	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Anthracene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Carbazole	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Di-n-butylphthalate	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
Fluoranthene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Pyrene	**ND**	0.10	EPA 8270E/SIM	12-17-21	12-17-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
bis-2-Ethylhexyladipate	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.0	EPA 8270E	12-17-21	12-17-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-17-21	12-17-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-17-21	12-17-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*45*	*10 - 82*				
Phenol-d6	*31*	*10 - 92*				
Nitrobenzene-d5	*63*	*32 - 105*				
2-Fluorobiphenyl	*64*	*38 - 105*				
2,4,6-Tribromophenol	*84*	*25 - 124*				
Terphenyl-d14	*63*	*42 - 116*				

Date of Report: December 27, 2021
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Laboratory Reference: 2112-131
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:	12-151-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**118**	**112**	160	160	20.6	61	57	20 - 108	5	24	
2-Chlorophenol	**124**	**116**	160	160	ND	78	73	24 - 105	7	32	
1,4-Dichlorobenzene	**58.6**	**54.1**	80.0	80.0	ND	73	68	24 - 100	8	36	
n-Nitroso-di-n-propylamine	**97.6**	**97.7**	80.0	80.0	ND	122	122	21 - 143	0	30	
1,2,4-Trichlorobenzene	**61.3**	**58.1**	80.0	80.0	ND	77	73	34 - 105	5	34	
4-Chloro-3-methylphenol	**129**	**124**	160	160	ND	81	78	44 - 113	4	21	
Acenaphthene	**68.0**	**64.1**	80.0	80.0	ND	85	80	47 - 106	6	19	
4-Nitrophenol	**153**	**142**	160	160	ND	96	89	20 - 127	7	37	
2,4-Dinitrotoluene	**62.1**	**59.6**	80.0	80.0	ND	78	75	45 - 106	4	19	
Pentachlorophenol	**206**	**201**	160	160	ND	129	126	20 - 136	2	39	
Pyrene	**61.2**	**57.8**	80.0	80.0	ND	77	72	47 - 112	6	23	
Surrogate:											
2-Fluorophenol						*58*	*55*	*10 - 82*			
Phenol-d6						*61*	*57*	*10 - 92*			
Nitrobenzene-d5						*64*	*62*	*32 - 105*			
2-Fluorobiphenyl						*77*	*72*	*38 - 105*			
2,4,6-Tribromophenol						*83*	*78*	*25 - 124*			
Terphenyl-d14						*69*	*65*	*42 - 116*			

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Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	MB1216W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-16-21	12-17-21	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-16-21	12-17-21	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-16-21	12-17-21	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-16-21	12-17-21	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-16-21	12-17-21	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-16-21	12-17-21	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-16-21	12-17-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*42-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1216W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.415**	**0.419**	0.500	0.500	N/A	**83**	**84**	73-131	1	12	
Surrogate:											
DCB						*75*	*77*	*42-140*			

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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:	MB1216W1					
alpha-BHC	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
gamma-BHC (Lindane)	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
beta-BHC	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
delta-BHC	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Heptachlor	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Aldrin	**ND**	0.0020	EPA 8081B	12-16-21	12-16-21	
Heptachlor Epoxide	**ND**	0.0030	EPA 8081B	12-16-21	12-16-21	
gamma-Chlordane	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
alpha-Chlordane	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
4,4'-DDE	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Endosulfan I	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Dieldrin	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Endrin	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
4,4'-DDD	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Endosulfan II	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
4,4'-DDT	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Endrin Aldehyde	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Methoxychlor	**ND**	0.010	EPA 8081B	12-16-21	12-16-21	
Endosulfan Sulfate	**ND**	0.0050	EPA 8081B	12-16-21	12-16-21	
Endrin Ketone	**ND**	0.020	EPA 8081B	12-16-21	12-16-21	
Toxaphene	**ND**	0.050	EPA 8081B	12-16-21	12-16-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*56*	*25-114*				
DCB	*75*	*30-137*				

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	SB1216W2										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	**0.0792**	**0.0785**	0.100	0.100	N/A	**79**	**78**	42-113	1	19	
gamma-BHC (Lindane)	**0.0800**	**0.0791**	0.100	0.100	N/A	**80**	**79**	45-114	1	15	
beta-BHC	**0.0762**	**0.0742**	0.100	0.100	N/A	**76**	**74**	40-118	3	15	
delta-BHC	**0.0659**	**0.0637**	0.100	0.100	N/A	**66**	**64**	20-125	3	15	
Heptachlor	**0.0815**	**0.0770**	0.100	0.100	N/A	**82**	**77**	41-120	6	16	
Aldrin	**0.0774**	**0.0748**	0.100	0.100	N/A	**77**	**75**	35-115	3	15	
Heptachlor Epoxide	**0.0799**	**0.0766**	0.100	0.100	N/A	**80**	**77**	50-118	4	15	
gamma-Chlordane	**0.0802**	**0.0770**	0.100	0.100	N/A	**80**	**77**	46-110	4	15	
alpha-Chlordane	**0.0831**	**0.0795**	0.100	0.100	N/A	**83**	**79**	38-112	4	15	
4,4'-DDE	**0.0855**	**0.0756**	0.100	0.100	N/A	**85**	**76**	41-127	12	15	
Endosulfan I	**0.0874**	**0.0849**	0.100	0.100	N/A	**87**	**85**	45-119	3	15	
Dieldrin	**0.0889**	**0.0841**	0.100	0.100	N/A	**89**	**84**	46-115	6	15	
Endrin	**0.0867**	**0.0844**	0.100	0.100	N/A	**87**	**84**	52-124	3	15	
4,4'-DDD	**0.0900**	**0.0836**	0.100	0.100	N/A	**90**	**84**	52-121	7	15	
Endosulfan II	**0.0859**	**0.0817**	0.100	0.100	N/A	**86**	**82**	44-114	5	15	
4,4'-DDT	**0.0934**	**0.0964**	0.100	0.100	N/A	**93**	**96**	48-123	3	15	
Endrin Aldehyde	**0.106**	**0.106**	0.100	0.100	N/A	**106**	**106**	45-114	0	15	
Methoxychlor	**0.118**	**0.120**	0.100	0.100	N/A	**118**	**120**	49-130	2	15	
Endosulfan Sulfate	**0.0894**	**0.0846**	0.100	0.100	N/A	**89**	**85**	39-117	6	15	
Endrin Ketone	**0.0891**	**0.0866**	0.100	0.100	N/A	**89**	**87**	53-119	3	15	
Surrogate:											
TCMX						*71*	*66*	*25-114*			
DCB						*71*	*63*	*30-137*			

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
Project: 6694-002-05 T700

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:	MB1216WH1					
Iron	**ND**	56	EPA 200.7	12-16-21	12-16-21	
Magnesium	**ND**	1100	EPA 200.7	12-16-21	12-16-21	
Manganese	**ND**	11	EPA 200.7	12-16-21	12-16-21	
Laboratory ID:	MB1216WM1					
Arsenic	**ND**	3.3	EPA 200.8	12-16-21	12-16-21	
Cadmium	**ND**	4.4	EPA 200.8	12-16-21	12-16-21	
Chromium	**ND**	11	EPA 200.8	12-16-21	12-16-21	
Copper	**ND**	11	EPA 200.8	12-16-21	12-16-21	
Lead	**ND**	1.1	EPA 200.8	12-16-21	12-16-21	
Nickel	**ND**	22	EPA 200.8	12-16-21	12-16-21	
Selenium	**ND**	5.6	EPA 200.8	12-16-21	12-16-21	
Zinc	**ND**	28	EPA 200.8	12-16-21	12-16-21	
Laboratory ID:	MB1215W2					
Mercury	**ND**	0.025	EPA 7470A	12-15-21	12-15-21	

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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 Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-131-01									
	ORIG	DUP								
Iron	**1280**	**1310**	NA	NA		NA	NA	3	20	
Magnesium	**50000**	**47300**	NA	NA		NA	NA	6	20	
Manganese	**2100**	**2020**	NA	NA		NA	NA	4	20	
Laboratory ID:	12-107-07									
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	**13.8**	**13.0**	NA	NA		NA	NA	5	20	
Lead	**3.58**	**3.40**	NA	NA		NA	NA	5	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:	12-108-01									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	12-131-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	**25000**	**24900**	22200	22200	1280	**107**	**106**	75-125	0	20
Magnesium	**76700**	**75600**	22200	22200	50000	**120**	**115**	75-125	1	20
Manganese	**2590**	**2660**	556	556	2100	**88**	**100**	75-125	3	20
Laboratory ID:	12-107-07									
Arsenic	**120**	**121**	111	111	ND	**108**	**109**	75-125	1	20
Cadmium	**118**	**120**	111	111	ND	**106**	**108**	75-125	2	20
Chromium	**127**	**132**	111	111	ND	**115**	**119**	75-125	4	20
Copper	**126**	**129**	111	111	13.8	**102**	**104**	75-125	2	20
Lead	**118**	**121**	111	111	3.58	**103**	**106**	75-125	3	20
Nickel	**120**	**125**	111	111	ND	**109**	**113**	75-125	4	20
Selenium	**117**	**119**	111	111	ND	**106**	**107**	75-125	1	20
Zinc	**136**	**140**	111	111	22.4	**102**	**106**	75-125	3	20
Laboratory ID:	12-108-01									
Mercury	**5.60**	**5.58**	6.25	6.25	ND	**90**	**89**	75-125	0	20

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
Project: 6694-002-05 T700

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:	MB1215D1					
Calcium	**ND**	1100	EPA 200.7		12-15-21	
Iron	**ND**	56	EPA 200.7		12-15-21	
Magnesium	**ND**	1100	EPA 200.7		12-15-21	
Manganese	**ND**	11	EPA 200.7		12-15-21	
Potassium	**ND**	1100	EPA 200.7		12-15-21	
Sodium	**ND**	1100	EPA 200.7		12-15-21	
Laboratory ID:	MB1215D1					
Arsenic	**ND**	3.0	EPA 200.8		12-15-21	
Cadmium	**ND**	4.0	EPA 200.8		12-15-21	
Chromium	**ND**	10	EPA 200.8		12-15-21	
Copper	**ND**	10	EPA 200.8		12-15-21	
Lead	**ND**	1.0	EPA 200.8		12-15-21	
Nickel	**ND**	20	EPA 200.8		12-15-21	
Selenium	**ND**	5.0	EPA 200.8		12-15-21	
Zinc	**ND**	25	EPA 200.8		12-15-21	
Laboratory ID:	MB1217D1					
Mercury	**ND**	0.025	EPA 7470A		12-17-21	

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Laboratory Reference: 2112-131
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 Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-133-01										
	ORIG	DUP									
Calcium	**8640**	**8520**	NA	NA		NA		NA	1	20	
Iron	**336**	**379**	NA	NA		NA		NA	12	20	
Magnesium	**4950**	**5000**	NA	NA		NA		NA	1	20	
Manganese	**120**	**120**	NA	NA		NA		NA	0	20	
Potassium	**1700**	**1750**	NA	NA		NA		NA	3	20	
Sodium	**6490**	**6400**	NA	NA		NA		NA	1	20	
Laboratory ID:	12-131-03										
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:	12-108-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	12-133-01										
	MS	MSD	MS	MSD		MS	MSD				
Calcium	**30000**	**30200**	22200	22200	8640	**96**	**97**	75-125	1	20	
Iron	**23100**	**23100**	22200	22200	336	**102**	**102**	75-125	0	20	
Magnesium	**27900**	**27900**	22200	22200	4950	**103**	**103**	75-125	0	20	
Manganese	**672**	**677**	556	556	120	**99**	**100**	75-125	1	20	
Potassium	**24500**	**24600**	22200	22200	1700	**103**	**103**	75-125	0	20	
Sodium	**27300**	**27300**	22200	22200	6490	**94**	**94**	75-125	0	20	
Laboratory ID:	12-131-03										
Arsenic	**85.0**	**91.0**	80.0	80.0	ND	**106**	**114**	75-125	7	20	
Cadmium	**83.8**	**84.0**	80.0	80.0	ND	**105**	**105**	75-125	0	20	
Chromium	**78.8**	**79.4**	80.0	80.0	ND	**99**	**99**	75-125	1	20	
Copper	**75.0**	**75.6**	80.0	80.0	ND	**94**	**95**	75-125	1	20	
Lead	**78.6**	**78.6**	80.0	80.0	ND	**98**	**98**	75-125	0	20	
Nickel	**84.8**	**85.2**	80.0	80.0	ND	**106**	**107**	75-125	0	20	
Selenium	**92.4**	**93.2**	80.0	80.0	ND	**116**	**117**	75-125	1	20	
Zinc	**83.0**	**82.8**	80.0	80.0	ND	**104**	**104**	75-125	0	20	
Laboratory ID:	12-108-01										
Mercury	**5.78**	**5.75**	6.25	6.25	ND	**92**	**92**	75-125	0	20	

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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:	MB1215W1					
Total Alkalinity	**ND**	2.0	SM 2320B	12-15-21	12-15-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-140-02								
	ORIG	DUP							
Total Alkalinity	**76.0**	**76.0**	NA	NA	NA	NA	0	10	
SPIKE BLANK									
Laboratory ID:	SB1215W1								
	SB		SB		SB				
Total Alkalinity	**94.0**		100	NA	94	89-110	NA	NA	

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TOTAL BICARBONATE
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1215W1					
Bicarbonate Concentration	**ND**	2.0	SM 2320B	12-15-21	12-15-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-140-02								
	ORIG	DUP							
Total Alkalinity	**76.0**	**76.0**	NA	NA	NA	NA	0	10	
SPIKE BLANK									
Laboratory ID:	SB1215W1								
	SB		SB		SB				
Total Alkalinity	**94.0**		100	NA	94	89-110	NA	NA	

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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:	MB1217W1					
Total Dissolved Solids	**ND**	13	SM 2540C	12-17-21	12-20-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-133-01								
	ORIG	DUP							
Total Dissolved Solids	**76.0**	**69.3**	NA	NA	NA	NA	9	29	
SPIKE BLANK									
Laboratory ID:	SB1217W1								
	SB		SB		SB				
Total Dissolved Solids	**469**		500	NA	94	84-110	NA	NA	

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	MB1220W1					
Chloride	**ND**	2.0	SM 4500-Cl E	12-20-21	12-20-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-133-01								
	ORIG	DUP							
Chloride	**2.30**	**2.14**	NA	NA	NA	NA	7	15	
MATRIX SPIKE									
Laboratory ID:	12-133-01								
	MS		MS		MS				
Chloride	**55.9**		50.0	2.30	107	86-115	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1220W1								
	SB		SB		SB				
Chloride	**52.8**		50.0	NA	106	86-115	NA	NA	

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	MB1217W1					
Nitrate	**ND**	0.050	EPA 353.2	12-17-21	12-17-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-133-01								
	ORIG	DUP							
Nitrate	**ND**	**ND**	NA	NA	NA	NA	NA	16	
MATRIX SPIKE									
Laboratory ID:	12-133-01								
	MS		MS		MS				
Nitrate	**2.19**		2.00	ND	110	92-125	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1217W1								
	SB		SB		SB				
Nitrate	**2.09**		2.00	NA	105	90-121	NA	NA	

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
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:	MB1216W1					
Sulfate	**ND**	5.0	ASTM D516-11	12-16-21	12-16-21	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	12-133-01							
	ORIG DUP							
Sulfate	**ND** **ND**	NA	NA	NA	NA	NA	10	
MATRIX SPIKE								
Laboratory ID:	12-133-01							
	MS	MS		MS				
Sulfate	**9.84**	10.0	ND	98	69-139	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB1216W1							
	SB	SB		SB				
Sulfate	**9.80**	10.0	NA	98	89-117	NA	NA	

Date of Report: December 27, 2021
Samples Submitted: December 14, 2021
Laboratory Reference: 2112-131
Project: 6694-002-05 T700

AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1217W1					
Ammonia	**ND**	0.050	SM 4500-NH3 D	12-17-21	12-17-21	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	12-133-01								
	ORIG	DUP							
Ammonia	**0.105**	**0.106**	NA	NA	NA	NA	1	19	
MATRIX SPIKE									
Laboratory ID:	12-133-01								
	MS		MS		MS				
Ammonia	**4.90**		5.00	0.105	96	80-113	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB1217W1								
	SB		SB		SB				
Ammonia	**4.83**		5.00	NA	97	88-110	NA	NA	

OnSite Environmental Inc.

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
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info@fremontanalytical.com

OnSite Environmental Inc
David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 12-131
Work Order Number: 2112257

December 23, 2021

Attention David Baumeister:

Fremont Analytical, Inc. received 2 sample(s) on 12/15/2021 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

Date: *12/23/2021*

CLIENT: OnSite Environmental Inc
Project: 12-131
Work Order: 2112257

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2112257-001	MW8-211213	12/13/2021 2:00 PM	12/15/2021 1:22 PM
2112257-002	DUP-211213	12/13/2021 8:00 AM	12/15/2021 1:22 PM

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

Original

Case Narrative

WO#: **2112257**
Date: **12/23/2021**

CLIENT: OnSite Environmental Inc
Project: 12-131

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

Analytical Report

Work Order: **2112257**
Date Reported: **12/23/2021**

Client: OnSite Environmental Inc
Collection Date: 12/13/2021 2:00:00 PM
Project: 12-131
Lab ID: 2112257-001
Matrix: Water
Client Sample ID: **MW8-211213**

Herbicides by EPA Method 8151A (GC/MS)

Batch ID: 34796 Analyst: SB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dicamba	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
2,4-D	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
2,4-DP	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
2,4,5-TP (Silvex)	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
2,4,5-T	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
Dinoseb	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
Dalapon	ND	1.99		µg/L	1	12/20/2021 1:50:44 PM
2,4-DB	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
MCPP	ND	4.97		µg/L	1	12/20/2021 1:50:44 PM
MCPA	ND	4.97		µg/L	1	12/20/2021 1:50:44 PM
Picloram	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
Bentazon	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
Chloramben	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
Acifluorfen	ND	4.97		µg/L	1	12/20/2021 1:50:44 PM
3,5-Dichlorobenzoic acid	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
4-Nitrophenol	ND	0.994		µg/L	1	12/20/2021 1:50:44 PM
Dacthal (DCPA)	ND	1.99		µg/L	1	12/20/2021 1:50:44 PM
Surr: 2,4-Dichlorophenylacetic acid	121	62.3 - 134		%Rec	1	12/20/2021 1:50:44 PM

Analytical Report

Work Order: **2112257**
Date Reported: **12/23/2021**

Client: OnSite Environmental Inc
Collection Date: 12/13/2021 8:00:00 AM
Project: 12-131
Lab ID: 2112257-002
Matrix: Water
Client Sample ID: **DUP-211213**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Herbicides by EPA Method 8151A (GC/MS)				Batch ID: 34796		Analyst: SB
Dicamba	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
2,4-D	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
2,4-DP	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
2,4,5-TP (Silvex)	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
2,4,5-T	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
Dinoseb	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
Dalapon	ND	2.00		µg/L	1	12/20/2021 2:11:16 PM
2,4-DB	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
MCPP	ND	5.00		µg/L	1	12/20/2021 2:11:16 PM
MCPA	ND	5.00		µg/L	1	12/20/2021 2:11:16 PM
Picloram	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
Bentazon	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
Chloramben	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
Acifluorfen	ND	5.00		µg/L	1	12/20/2021 2:11:16 PM
3,5-Dichlorobenzoic acid	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
4-Nitrophenol	ND	1.00		µg/L	1	12/20/2021 2:11:16 PM
Dacthal (DCPA)	ND	2.00		µg/L	1	12/20/2021 2:11:16 PM
Surr: 2,4-Dichlorophenylacetic acid	111	62.3 - 134		%Rec	1	12/20/2021 2:11:16 PM

Work Order: 2112257
CLIENT: OnSite Environmental Inc
Project: 12-131

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **MB-34796** SampType: **MBLK** Units: **µg/L** Prep Date: **12/16/2021** RunNo: **72095**
Client ID: **MBLKW** Batch ID: **34796** Analysis Date: **12/20/2021** SeqNo: **1470972**

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	28.9		20.00		144	62.3	134				S

NOTES:
S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.

Sample ID: **LCS-34796** SampType: **LCS** Units: **µg/L** Prep Date: **12/16/2021** RunNo: **72095**
Client ID: **LCSW** Batch ID: **34796** Analysis Date: **12/20/2021** SeqNo: **1470973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.42	1.00	4.000	0	85.6	12.4	143				
2,4-D	4.12	1.00	4.000	0	103	43.3	143				
2,4-DP	3.82	1.00	4.000	0	95.6	49.7	129				
2,4,5-TP (Silvex)	3.93	1.00	4.000	0	98.2	45.2	134				
2,4,5-T	3.96	1.00	4.000	0	99.0	43.8	133				
Dinoseb	1.87	1.00	4.000	0	46.8	5	135				

Work Order: 2112257
CLIENT: OnSite Environmental Inc
Project: 12-131

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCS-34796** SampType: **LCS** Units: **µg/L** Prep Date: **12/16/2021** RunNo: **72095**
Client ID: **LCSW** Batch ID: **34796** Analysis Date: **12/20/2021** SeqNo: **1470973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dalapon	12.4	2.00	20.00	0	61.8	6.92	95.8				
2,4-DB	3.62	1.00	4.000	0	90.6	42	141				
MCPP	23.8	5.00	20.00	0	119	35	163				
MCPA	24.1	5.00	20.00	0	121	19	171				
Picloram	3.77	1.00	4.000	0	94.1	5	110				
Bentazon	3.31	1.00	4.000	0	82.7	36.1	139				
Chloramben	1.38	1.00	4.000	0	34.5	5	116				
Acifluorfen	2.28	5.00	4.000	0	57.0	8.43	153				
3,5-Dichlorobenzoic acid	3.12	1.00	4.000	0	78.0	56	122				
4-Nitrophenol	0.767	1.00	4.000	0	19.2	9.06	113				
Dacthal (DCPA)	1.53	2.00	4.000	0	38.3	5	54.3				
Surr: 2,4-Dichlorophenylacetic acid	27.1		20.00		135	62.3	134				S

NOTES:
S - Outlying surrogate recovery(ies) observed.

Sample ID: **LCSD-34796** SampType: **LCSD** Units: **µg/L** Prep Date: **12/16/2021** RunNo: **72095**
Client ID: **LCSW02** Batch ID: **34796** Analysis Date: **12/20/2021** SeqNo: **1470974**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.46	1.00	4.000	0	86.6	12.4	143	3.424	1.17	30	
2,4-D	4.16	1.00	4.000	0	104	43.3	143	4.115	0.998	30	
2,4-DP	3.82	1.00	4.000	0	95.4	49.7	129	3.822	0.183	30	
2,4,5-TP (Silvex)	4.02	1.00	4.000	0	101	45.2	134	3.928	2.34	30	
2,4,5-T	4.01	1.00	4.000	0	100	43.8	133	3.959	1.30	30	
Dinoseb	0.880	1.00	4.000	0	22.0	5	135	1.871	72.1	30	
Dalapon	12.0	2.00	20.00	0	60.0	6.92	95.8	12.36	2.91	30	
2,4-DB	3.73	1.00	4.000	0	93.2	42	141	3.622	2.91	30	
MCPP	32.6	5.00	20.00	0	163	35	163	23.79	31.1	30	R
MCPA	32.8	5.00	20.00	0	164	19	171	24.14	30.3	30	R
Picloram	3.78	1.00	4.000	0	94.4	5	110	3.766	0.283	30	
Bentazon	3.45	1.00	4.000	0	86.2	36.1	139	3.309	4.16	30	

Work Order: 2112257
CLIENT: OnSite Environmental Inc
Project: 12-131

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCSD-34796** SampType: **LCSD** Units: **µg/L** Prep Date: **12/16/2021** RunNo: **72095**
Client ID: **LCSW02** Batch ID: **34796** Analysis Date: **12/20/2021** SeqNo: **1470974**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloramben	1.51	1.00	4.000	0	37.8	5	116	1.379	9.33	30	
Acifluorfen	2.21	5.00	4.000	0	55.3	8.43	153	2.279	2.99	30	
3,5-Dichlorobenzoic acid	3.10	1.00	4.000	0	77.5	56	122	3.122	0.718	30	
4-Nitrophenol	1.24	1.00	4.000	0	31.0	9.06	113	0.7673	47.0	30	
Dacthal (DCPA)	1.47	2.00	4.000	0	36.8	5	54.3	1.531	3.96	30	
Surr: 2,4-Dichlorophenylacetic acid	28.4		20.00		142	62.3	134		0		S

NOTES:
R - High RPD observed, spike recovery is within range.
S - Outlying surrogate recovery(ies) observed.

Sample ID: **2112257-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **12/16/2021** RunNo: **72095**
Client ID: **MW8-211213** Batch ID: **34796** Analysis Date: **12/20/2021** SeqNo: **1470975**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.07	0.997	3.986	0	77.1	32.5	139				
2,4-D	3.67	0.997	3.986	0	91.9	45.9	150				
2,4-DP	3.44	0.997	3.986	0	86.3	44.1	144				
2,4,5-TP (Silvex)	3.53	0.997	3.986	0	88.5	46.3	136				
2,4,5-T	3.58	0.997	3.986	0	89.7	37	145				
Dinoseb	2.59	0.997	3.986	0	65.1	32.1	115				
Dalapon	12.1	1.99	19.93	0	60.5	17.7	108				
2,4-DB	3.35	0.997	3.986	0	84.0	37.6	153				
MCPP	18.8	4.98	19.93	0	94.4	41.3	186				
MCPA	19.1	4.98	19.93	0	95.9	48.9	173				
Picloram	3.48	0.997	3.986	0	87.4	23.2	104				
Bentazon	2.89	0.997	3.986	0	72.5	13.2	186				
Chloramben	1.18	0.997	3.986	0	29.6	5	115				
Acifluorfen	2.56	4.98	3.986	0	64.1	27.1	141				
3,5-Dichlorobenzoic acid	2.65	0.997	3.986	0	66.4	35.3	149				
4-Nitrophenol	0.763	0.997	3.986	0	19.1	5	118				
Dacthal (DCPA)	1.26	1.99	3.986	0	31.7	5	92.5				

Work Order: 2112257
CLIENT: OnSite Environmental Inc
Project: 12-131

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **2112257-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **12/16/2021** RunNo: **72095**
Client ID: **MW8-211213** Batch ID: **34796** Analysis Date: **12/20/2021** SeqNo: **1470975**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4-Dichlorophenylacetic acid	69.8		39.86		175	62.3	134				S

NOTES:
S - Outlying surrogate recovery(ies) observed.

Sample Log-In Check List

Client Name:	**ONSITE**	Work Order Number:	**2112257**
Logged by:	**Clare Griggs**	Date Received:	**12/15/2021 1:22:00 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: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	5.8

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

2112257

OnSite Environmental Inc.

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

Laboratory Reference #: 12-131

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: 669400205

Phone Number: (206) 352-3790

Other: _____

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	MW8-211213	12/13/21	14:00	W	1	Chlorinated Acid Herbicides 8151A
	DUP-211213	12/13/21	8:00	W	1	Chlorinated Acid Herbicides 8151A

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:	OSE	12/15/21	1130	
Received by:	Alpha	12/15/21	1:30	
Relinquished by:	Alpha	12/15/21	1:11	
Received by: Justine Martz	FAL	12/15/21	13:22	
Relinquished by:				
Received by:				

Chain of Custody

Page 1 of 1

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

Company: GeoEngineers
Project Number: 6694.00205
Project Name: Go East
Project Manager: Garrett League
Sampled by: Dexter Chan

Turnaround Request (in working days)

(Check One)

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

Laboratory Number: 12-131

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ 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	TCLP Metals	HEM (oil and grease) 1664A	TDS	tot & diss metals*	alkalinity & bicarbonate	diss Ca, K, Na	% Moisture Cl, NO3, SO4, NH3
1	MW8-211213	12/13/21	1400	W	18			X	X	X			X		X	X		X					X	X	X	X	X
2	TB-1-211213	↓	—	W	1					X																	
3	DUP-211213	↓	0000	W	18			X	X	X			X		X	X		X					X	X	X	X	X

	Signature	Company	Date	Time
Relinquished		GEI	12/14/21	
Received		Alpha	12.14.21	1327
Relinquished		Alpha	12.14.21	1411
Received		OSE	12/14/21	1411
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

*metals
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) ☐

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

RINSE

January 6, 2022

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

Re: Analytical Data for Project 6694-002-05 T700
Laboratory Reference No. 2112-210

Dear Garrett:

Enclosed are the analytical results and associated quality control data for samples submitted on December 20, 2021.

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,

David Baumeister
Project Manager

Enclosures

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
Project: 6694-002-05 T700

Case Narrative

Samples were collected on December 20, 2021 and received by the laboratory on December 20, 2021. 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: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
Project: 6694-002-05 T700

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
RINSE-20211220	12-210-01	Water	12-20-21	12-20-21	

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
Gasoline	**ND**	100	NWTPH-Gx	12-28-21	12-28-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*72*	*66-117*				

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
Diesel Range Organics	**ND**	0.15	NWTPH-Dx	12-27-21	12-27-21	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	12-27-21	12-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*90*	*50-150*				

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Chloromethane	ND	1.0	EPA 8260D	12-20-21	12-20-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Bromomethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Chloroethane	ND	1.0	EPA 8260D	12-20-21	12-20-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Acetone	ND	5.0	EPA 8260D	12-20-21	12-20-21	
Iodomethane	ND	5.0	EPA 8260D	12-20-21	12-20-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-20-21	12-20-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-20-21	12-20-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
2-Butanone	ND	5.0	EPA 8260D	12-20-21	12-20-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Chloroform	0.26	0.20	EPA 8260D	12-20-21	12-20-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Benzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Trichloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Dibromomethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-20-21	12-20-21	
Toluene	ND	1.0	EPA 8260D	12-20-21	12-20-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-20-21	12-20-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
2-Hexanone	ND	2.0	EPA 8260D	12-20-21	12-20-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-20-21	12-20-21	
o-Xylene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Styrene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Bromoform	ND	1.0	EPA 8260D	12-20-21	12-20-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Bromobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-20-21	12-20-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-20-21	12-20-21	
Naphthalene	ND	1.0	EPA 8260D	12-20-21	12-20-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
n-Nitrosodimethylamine	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Pyridine	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Phenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Aniline	**ND**	4.7	EPA 8270E	12-27-21	12-28-21	
bis(2-Chloroethyl)ether	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2-Chlorophenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
1,3-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
1,4-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Benzyl alcohol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
1,2-Dichlorobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2-Methylphenol (o-Cresol)	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
bis(2-Chloroisopropyl)ether	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
n-Nitroso-di-n-propylamine	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Hexachloroethane	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Nitrobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Isophorone	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2-Nitrophenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2,4-Dimethylphenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
bis(2-Chloroethoxy)methane	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2,4-Dichlorophenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
1,2,4-Trichlorobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Naphthalene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
4-Chloroaniline	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Hexachlorobutadiene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
4-Chloro-3-methylphenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2-Methylnaphthalene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
1-Methylnaphthalene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
Hexachlorocyclopentadiene	**ND**	1.8	EPA 8270E	12-27-21	12-28-21	
2,4,6-Trichlorophenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2,3-Dichloroaniline	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2,4,5-Trichlorophenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2-Chloronaphthalene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2-Nitroaniline	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
1,4-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Dimethylphthalate	**ND**	4.7	EPA 8270E	12-27-21	12-28-21	
1,3-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2,6-Dinitrotoluene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
1,2-Dinitrobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Acenaphthylene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
3-Nitroaniline	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
2,4-Dinitrophenol	**ND**	6.5	EPA 8270E	12-27-21	12-28-21	
Acenaphthene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
4-Nitrophenol	**ND**	4.7	EPA 8270E	12-27-21	12-28-21	
2,4-Dinitrotoluene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Dibenzofuran	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2,3,5,6-Tetrachlorophenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
2,3,4,6-Tetrachlorophenol	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Diethylphthalate	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
4-Chlorophenyl-phenylether	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
4-Nitroaniline	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Fluorene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
4,6-Dinitro-2-methylphenol	**ND**	6.0	EPA 8270E	12-27-21	12-28-21	
n-Nitrosodiphenylamine	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
1,2-Diphenylhydrazine	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
4-Bromophenyl-phenylether	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Hexachlorobenzene	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Pentachlorophenol	**ND**	4.7	EPA 8270E	12-27-21	12-28-21	
Phenanthrene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
Anthracene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
Carbazole	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Di-n-butylphthalate	**ND**	4.7	EPA 8270E	12-27-21	12-28-21	
Fluoranthene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
Pyrene	**ND**	0.095	EPA 8270E/SIM	12-27-21	12-28-21	
Butylbenzylphthalate	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
bis-2-Ethylhexyladipate	**ND**	4.7	EPA 8270E	12-27-21	12-28-21	
3,3'-Dichlorobenzidine	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Benzo[a]anthracene	**ND**	0.0095	EPA 8270E/SIM	12-27-21	12-28-21	
Chrysene	**ND**	0.0095	EPA 8270E/SIM	12-27-21	12-28-21	
bis(2-Ethylhexyl)phthalate	**ND**	4.7	EPA 8270E	12-27-21	12-28-21	
Di-n-octylphthalate	**ND**	0.95	EPA 8270E	12-27-21	12-28-21	
Benzo[b]fluoranthene	**ND**	0.0095	EPA 8270E/SIM	12-27-21	12-28-21	
Benzo(j,k)fluoranthene	**ND**	0.0095	EPA 8270E/SIM	12-27-21	12-28-21	
Benzo[a]pyrene	**ND**	0.0095	EPA 8270E/SIM	12-27-21	12-28-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.0095	EPA 8270E/SIM	12-27-21	12-28-21	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270E/SIM	12-27-21	12-28-21	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270E/SIM	12-27-21	12-28-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*42*	*10 - 82*				
Phenol-d6	*28*	*10 - 92*				
Nitrobenzene-d5	*66*	*32 - 105*				
2-Fluorobiphenyl	*68*	*38 - 105*				
2,4,6-Tribromophenol	*82*	*25 - 124*				
Terphenyl-d14	*66*	*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:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
Aroclor 1016	**ND**	0.048	EPA 8082A	12-22-21	12-27-21	
Aroclor 1221	**ND**	0.048	EPA 8082A	12-22-21	12-27-21	
Aroclor 1232	**ND**	0.048	EPA 8082A	12-22-21	12-27-21	
Aroclor 1242	**ND**	0.048	EPA 8082A	12-22-21	12-27-21	
Aroclor 1248	**ND**	0.048	EPA 8082A	12-22-21	12-27-21	
Aroclor 1254	**ND**	0.048	EPA 8082A	12-22-21	12-27-21	
Aroclor 1260	**ND**	0.048	EPA 8082A	12-22-21	12-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*42-140*				

Date of Report: January 6, 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:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
alpha-BHC	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
gamma-BHC (Lindane)	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
beta-BHC	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
delta-BHC	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Heptachlor	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Aldrin	**ND**	0.0019	EPA 8081B	12-22-21	12-27-21	
Heptachlor Epoxide	**ND**	0.0029	EPA 8081B	12-22-21	12-27-21	
gamma-Chlordane	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
alpha-Chlordane	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
4,4'-DDE	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Endosulfan I	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Dieldrin	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Endrin	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
4,4'-DDD	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Endosulfan II	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
4,4'-DDT	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Endrin Aldehyde	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Methoxychlor	**ND**	0.0095	EPA 8081B	12-22-21	12-27-21	
Endosulfan Sulfate	**ND**	0.0048	EPA 8081B	12-22-21	12-27-21	
Endrin Ketone	**ND**	0.019	EPA 8081B	12-22-21	12-27-21	
Toxaphene	**ND**	0.048	EPA 8081B	12-22-21	12-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*61*	*25-114*				
DCB	*67*	*30-137*				

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Project: 6694-002-05 T700

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:	**RINSE-20211220**					
Laboratory ID:	12-210-01					
Arsenic	**ND**	3.3	EPA 200.8	12-21-21	12-21-21	
Cadmium	**ND**	4.4	EPA 200.8	12-21-21	12-21-21	
Chromium	**ND**	11	EPA 200.8	12-21-21	12-21-21	
Copper	**ND**	11	EPA 200.8	12-21-21	12-21-21	
Iron	**ND**	56	EPA 200.7	12-22-21	12-22-21	
Lead	**ND**	1.1	EPA 200.8	12-21-21	12-21-21	
Manganese	**ND**	11	EPA 200.7	12-22-21	12-22-21	
Mercury	**ND**	0.025	EPA 7470A	12-21-21	12-21-21	
Nickel	**ND**	22	EPA 200.8	12-21-21	12-21-21	
Selenium	**ND**	5.6	EPA 200.8	12-21-21	12-21-21	
Zinc	**ND**	28	EPA 200.8	12-21-21	12-21-21	

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	MB1228W2					
Gasoline	**ND**	100	NWTPH-Gx	12-28-21	12-28-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*78*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-249-02									
	ORIG	DUP								
Gasoline	**341**	**339**	NA	NA		NA	NA	1	30	
Surrogate:										
Fluorobenzene						*78*	*74* *66-117*			

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	MB1227W1					
Diesel Range Organics	**ND**	0.060	NWTPH-Dx	12-27-21	12-27-21	
Lube Oil Range Organics	**ND**	0.080	NWTPH-Dx	12-27-21	12-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*100*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB1227W1										
	ORIG	DUP									
Diesel Fuel #2	**0.465**	**0.444**	NA	NA		NA		NA	5	NA	
Surrogate:											
o-Terphenyl						*112*	*106*	*50-150*			

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1220W2					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Chloromethane	ND	1.0	EPA 8260D	12-20-21	12-20-21	
Vinyl Chloride	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Bromomethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Chloroethane	ND	1.0	EPA 8260D	12-20-21	12-20-21	
Trichlorofluoromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1-Dichloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Acetone	ND	5.0	EPA 8260D	12-20-21	12-20-21	
Iodomethane	ND	5.0	EPA 8260D	12-20-21	12-20-21	
Carbon Disulfide	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Methylene Chloride	ND	1.0	EPA 8260D	12-20-21	12-20-21	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Methyl t-Butyl Ether	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1-Dichloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Vinyl Acetate	ND	1.0	EPA 8260D	12-20-21	12-20-21	
2,2-Dichloropropane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
2-Butanone	ND	5.0	EPA 8260D	12-20-21	12-20-21	
Bromochloromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Chloroform	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Carbon Tetrachloride	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1-Dichloropropene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Benzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dichloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Trichloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dichloropropane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Dibromomethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Bromodichloromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	12-20-21	12-20-21	
Toluene	ND	1.0	EPA 8260D	12-20-21	12-20-21	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	12-20-21	12-20-21	

Date of Report: January 6, 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:	MB1220W2					
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Tetrachloroethene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,3-Dichloropropane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
2-Hexanone	ND	2.0	EPA 8260D	12-20-21	12-20-21	
Dibromochloromethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dibromoethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Chlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Ethylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
m,p-Xylene	ND	0.40	EPA 8260D	12-20-21	12-20-21	
o-Xylene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Styrene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Bromoform	ND	1.0	EPA 8260D	12-20-21	12-20-21	
Isopropylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Bromobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	12-20-21	12-20-21	
n-Propylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
2-Chlorotoluene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
4-Chlorotoluene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
tert-Butylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
sec-Butylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
p-Isopropyltoluene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
n-Butylbenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	12-20-21	12-20-21	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Hexachlorobutadiene	ND	1.0	EPA 8260D	12-20-21	12-20-21	
Naphthalene	ND	1.0	EPA 8260D	12-20-21	12-20-21	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260D	12-20-21	12-20-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
Project: 6694-002-05 T700

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1220W2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.7**	**10.2**	10.0	10.0	107	102	78-125	5	19	
Benzene	**10.4**	**9.87**	10.0	10.0	104	99	80-119	5	16	
Trichloroethene	**10.7**	**10.2**	10.0	10.0	107	102	80-121	5	18	
Toluene	**10.0**	**9.61**	10.0	10.0	100	96	80-117	4	18	
Chlorobenzene	**9.85**	**9.42**	10.0	10.0	99	94	80-117	4	17	
Surrogate:										
Dibromofluoromethane					*102*	*102*	*75-127*			
Toluene-d8					*103*	*103*	*80-127*			
4-Bromofluorobenzene					*102*	*101*	*78-125*			

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	MB1227W1					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Pyridine	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Phenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Aniline	**ND**	5.0	EPA 8270E	12-27-21	12-28-21	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2-Chlorophenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Benzyl alcohol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Hexachloroethane	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Nitrobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Isophorone	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2-Nitrophenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Naphthalene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
4-Chloroaniline	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Hexachlorobutadiene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
1-Methylnaphthalene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
Hexachlorocyclopentadiene	**ND**	1.9	EPA 8270E	12-27-21	12-28-21	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2-Chloronaphthalene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2-Nitroaniline	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Dimethylphthalate	**ND**	5.0	EPA 8270E	12-27-21	12-28-21	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Acenaphthylene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
3-Nitroaniline	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	

Date of Report: January 6, 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:	MB1227W1					
2,4-Dinitrophenol	**ND**	6.9	EPA 8270E	12-27-21	12-28-21	
Acenaphthene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
4-Nitrophenol	**ND**	5.0	EPA 8270E	12-27-21	12-28-21	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Dibenzofuran	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Diethylphthalate	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
4-Nitroaniline	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Fluorene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
4,6-Dinitro-2-methylphenol	**ND**	6.4	EPA 8270E	12-27-21	12-28-21	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Hexachlorobenzene	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Pentachlorophenol	**ND**	5.0	EPA 8270E	12-27-21	12-28-21	
Phenanthrene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
Anthracene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
Carbazole	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Di-n-butylphthalate	**ND**	5.0	EPA 8270E	12-27-21	12-28-21	
Fluoranthene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
Pyrene	**ND**	0.10	EPA 8270E/SIM	12-27-21	12-28-21	
Butylbenzylphthalate	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
bis-2-Ethylhexyladipate	**ND**	5.0	EPA 8270E	12-27-21	12-28-21	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Benzo[a]anthracene	**ND**	0.010	EPA 8270E/SIM	12-27-21	12-28-21	
Chrysene	**ND**	0.010	EPA 8270E/SIM	12-27-21	12-28-21	
bis(2-Ethylhexyl)phthalate	**ND**	5.0	EPA 8270E	12-27-21	12-28-21	
Di-n-octylphthalate	**ND**	1.0	EPA 8270E	12-27-21	12-28-21	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-27-21	12-28-21	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270E/SIM	12-27-21	12-28-21	
Benzo[a]pyrene	**ND**	0.010	EPA 8270E/SIM	12-27-21	12-28-21	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270E/SIM	12-27-21	12-28-21	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270E/SIM	12-27-21	12-28-21	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270E/SIM	12-27-21	12-28-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*42*	*10 - 82*				
Phenol-d6	*30*	*10 - 92*				
Nitrobenzene-d5	*60*	*32 - 105*				
2-Fluorobiphenyl	*64*	*38 - 105*				
2,4,6-Tribromophenol	*87*	*25 - 124*				
Terphenyl-d14	*68*	*42 - 116*				

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	12-259-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**65.2**	**62.6**	160	160	ND	41	39	20 - 108	4	24	
2-Chlorophenol	**116**	**116**	160	160	ND	73	73	24 - 105	0	32	
1,4-Dichlorobenzene	**53.0**	**52.0**	80.0	80.0	ND	66	65	24 - 100	2	36	
n-Nitroso-di-n-propylamine	**72.9**	**75.0**	80.0	80.0	ND	91	94	21 - 143	3	30	
1,2,4-Trichlorobenzene	**56.9**	**57.6**	80.0	80.0	ND	71	72	34 - 105	1	34	
4-Chloro-3-methylphenol	**123**	**127**	160	160	ND	77	79	44 - 113	3	21	
Acenaphthene	**66.3**	**70.2**	80.0	80.0	ND	83	88	47 - 106	6	19	
4-Nitrophenol	**132**	**136**	160	160	ND	83	85	20 - 127	3	37	
2,4-Dinitrotoluene	**60.0**	**61.5**	80.0	80.0	ND	75	77	45 - 106	2	19	
Pentachlorophenol	**183**	**191**	160	160	ND	114	119	20 - 136	4	39	
Pyrene	**61.0**	**64.6**	80.0	80.0	ND	76	81	47 - 112	6	23	
Surrogate:											
2-Fluorophenol						*56*	*56*	*10 - 82*			
Phenol-d6						*32*	*31*	*10 - 92*			
Nitrobenzene-d5						*61*	*62*	*32 - 105*			
2-Fluorobiphenyl						*73*	*76*	*38 - 105*			
2,4,6-Tribromophenol						*78*	*83*	*25 - 124*			
Terphenyl-d14						*68*	*72*	*42 - 116*			

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	MB1222W2					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-22-21	12-27-21	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-22-21	12-27-21	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-22-21	12-27-21	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-22-21	12-27-21	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-22-21	12-27-21	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-22-21	12-27-21	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-22-21	12-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*89*	*42-140*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1222W2										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.426**	**0.432**	0.500	0.500	N/A	**85**	**86**	73-131	1	12	
Surrogate:											
DCB						*86*	*88*	*42-140*			

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	MB1222W2					
alpha-BHC	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
gamma-BHC (Lindane)	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
beta-BHC	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
delta-BHC	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Heptachlor	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Aldrin	**ND**	0.0020	EPA 8081B	12-22-21	12-27-21	
Heptachlor Epoxide	**ND**	0.0030	EPA 8081B	12-22-21	12-27-21	
gamma-Chlordane	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
alpha-Chlordane	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
4,4'-DDE	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Endosulfan I	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Dieldrin	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Endrin	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
4,4'-DDD	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Endosulfan II	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
4,4'-DDT	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Endrin Aldehyde	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Methoxychlor	**ND**	0.010	EPA 8081B	12-22-21	12-27-21	
Endosulfan Sulfate	**ND**	0.0050	EPA 8081B	12-22-21	12-27-21	
Endrin Ketone	**ND**	0.020	EPA 8081B	12-22-21	12-27-21	
Toxaphene	**ND**	0.050	EPA 8081B	12-22-21	12-27-21	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*57*	*25-114*				
DCB	*71*	*30-137*				

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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:	SB1222W3										
	SB	SBD	SB	SBD		SB	SBD				
alpha-BHC	**0.0769**	**0.0729**	0.100	0.100	N/A	**77**	**73**	42-113	5	19	
gamma-BHC (Lindane)	**0.0780**	**0.0750**	0.100	0.100	N/A	**78**	**75**	45-114	4	15	
beta-BHC	**0.0752**	**0.0708**	0.100	0.100	N/A	**75**	**71**	40-118	6	15	
delta-BHC	**0.0645**	**0.0587**	0.100	0.100	N/A	**65**	**59**	20-125	9	15	
Heptachlor	**0.0727**	**0.0698**	0.100	0.100	N/A	**73**	**70**	41-120	4	16	
Aldrin	**0.0674**	**0.0669**	0.100	0.100	N/A	**67**	**67**	35-115	1	15	
Heptachlor Epoxide	**0.0788**	**0.0726**	0.100	0.100	N/A	**79**	**73**	50-118	8	15	
gamma-Chlordane	**0.0718**	**0.0686**	0.100	0.100	N/A	**72**	**69**	46-110	5	15	
alpha-Chlordane	**0.0714**	**0.0658**	0.100	0.100	N/A	**71**	**66**	38-112	8	15	
4,4'-DDE	**0.0765**	**0.0714**	0.100	0.100	N/A	**77**	**71**	41-127	7	15	
Endosulfan I	**0.0825**	**0.0770**	0.100	0.100	N/A	**82**	**77**	45-119	7	15	
Dieldrin	**0.0807**	**0.0769**	0.100	0.100	N/A	**81**	**77**	46-115	5	15	
Endrin	**0.0813**	**0.0783**	0.100	0.100	N/A	**81**	**78**	52-124	4	15	
4,4'-DDD	**0.0859**	**0.0820**	0.100	0.100	N/A	**86**	**82**	52-121	5	15	
Endosulfan II	**0.0836**	**0.0784**	0.100	0.100	N/A	**84**	**78**	44-114	6	15	
4,4'-DDT	**0.0894**	**0.0882**	0.100	0.100	N/A	**89**	**88**	48-123	1	15	
Endrin Aldehyde	**0.0985**	**0.0937**	0.100	0.100	N/A	**99**	**94**	45-114	5	15	
Methoxychlor	**0.102**	**0.102**	0.100	0.100	N/A	**102**	**102**	49-130	0	15	
Endosulfan Sulfate	**0.0817**	**0.0777**	0.100	0.100	N/A	**82**	**78**	39-117	5	15	
Endrin Ketone	**0.0827**	**0.0795**	0.100	0.100	N/A	**83**	**79**	53-119	4	15	
Surrogate:											
TCMX						*67*	*60*	*25-114*			
DCB						*65*	*58*	*30-137*			

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
Project: 6694-002-05 T700

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:	MB1222WH2					
Iron	**ND**	56	EPA 200.7	12-22-21	12-22-21	
Manganese	**ND**	11	EPA 200.7	12-22-21	12-22-21	
Laboratory ID:	MB1221WM1					
Arsenic	**ND**	3.3	EPA 200.8	12-21-21	12-21-21	
Cadmium	**ND**	4.4	EPA 200.8	12-21-21	12-21-21	
Chromium	**ND**	11	EPA 200.8	12-21-21	12-21-21	
Copper	**ND**	11	EPA 200.8	12-21-21	12-21-21	
Lead	**ND**	1.1	EPA 200.8	12-21-21	12-21-21	
Nickel	**ND**	22	EPA 200.8	12-21-21	12-21-21	
Selenium	**ND**	5.6	EPA 200.8	12-21-21	12-21-21	
Zinc	**ND**	28	EPA 200.8	12-21-21	12-21-21	
Laboratory ID:	MB1221W2					
Mercury	**ND**	0.025	EPA 7470A	12-21-21	12-21-21	

Date of Report: January 6, 2022
Samples Submitted: December 20, 2021
Laboratory Reference: 2112-210
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 Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-210-01										
	ORIG	DUP									
Iron	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Manganese	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	12-188-09										
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:	12-210-01										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	12-210-01										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**24100**	**23800**	22200	22200	ND	**109**	**107**	75-125	1	20	
Manganese	**603**	**592**	556	556	ND	**109**	**107**	75-125	2	20	
Laboratory ID:	12-188-09										
Arsenic	**119**	**124**	111	111	ND	**108**	**111**	75-125	3	20	
Cadmium	**118**	**121**	111	111	ND	**107**	**109**	75-125	2	20	
Chromium	**116**	**121**	111	111	ND	**105**	**109**	75-125	4	20	
Copper	**114**	**118**	111	111	ND	**103**	**106**	75-125	3	20	
Lead	**117**	**119**	111	111	ND	**106**	**107**	75-125	2	20	
Nickel	**115**	**120**	111	111	ND	**104**	**108**	75-125	4	20	
Selenium	**114**	**115**	111	111	ND	**103**	**103**	75-125	0	20	
Zinc	**119**	**120**	111	111	ND	**107**	**108**	75-125	1	20	
Laboratory ID:	12-210-01										
Mercury	**5.83**	**6.03**	6.25	6.25	ND	**93**	**96**	75-125	3	20	

OnSite Environmental Inc.

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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F: (206) 352-7178
info@fremontanalytical.com

OnSite Environmental Inc
David Baumeister
14648 NE 95th Street
Redmond, WA 98052

RE: 12-210
Work Order Number: 2112356

January 06, 2022

Attention David Baumeister:

Fremont Analytical, Inc. received 1 sample(s) on 12/21/2021 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

Date: *01/06/2022*

CLIENT: OnSite Environmental Inc
Project: 12-210
Work Order: 2112356

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2112356-001	RINSE-20211220	12/20/2021 1:40 PM	12/21/2021 12:33 PM

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

Original

Case Narrative

WO#: **2112356**
Date: **1/6/2022**

CLIENT: OnSite Environmental Inc
Project: 12-210

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

Analytical Report

Work Order: **2112356**
Date Reported: **1/6/2022**

Client: OnSite Environmental Inc
Collection Date: 12/20/2021 1:40:00 PM
Project: 12-210
Lab ID: 2112356-001
Matrix: Water
Client Sample ID: **RINSE-20211220**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Herbicides by EPA Method 8151A (GC/MS)				Batch ID: 34869		Analyst: SB
Dicamba	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
2,4-D	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
2,4-DP	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
2,4,5-TP (Silvex)	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
2,4,5-T	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
Dinoseb	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
Dalapon	ND	1.93		µg/L	1	1/5/2022 1:03:15 PM
2,4-DB	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
MCPP	ND	4.84		µg/L	1	1/5/2022 1:03:15 PM
MCPA	ND	4.84		µg/L	1	1/5/2022 1:03:15 PM
Picloram	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
Bentazon	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
Chloramben	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
Acifluorfen	ND	4.84		µg/L	1	1/5/2022 1:03:15 PM
3,5-Dichlorobenzoic acid	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
4-Nitrophenol	ND	0.967		µg/L	1	1/5/2022 1:03:15 PM
Dacthal (DCPA)	ND	1.93		µg/L	1	1/5/2022 1:03:15 PM
Surr: 2,4-Dichlorophenylacetic acid	105	62.3 - 134		%Rec	1	1/5/2022 1:03:15 PM

Work Order: 2112356
CLIENT: OnSite Environmental Inc
Project: 12-210

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **MB-34869** SampType: **MBLK** Units: **µg/L** Prep Date: **12/27/2021** RunNo: **72391**
Client ID: **MBLKW** Batch ID: **34869** Analysis Date: **1/5/2022** SeqNo: **1478009**

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	20.7		20.00		104	62.3	134				

Sample ID: **LCS-34869** SampType: **LCS** Units: **µg/L** Prep Date: **12/27/2021** RunNo: **72391**
Client ID: **LCSW** Batch ID: **34869** Analysis Date: **1/5/2022** SeqNo: **1478010**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.04	1.00	4.000	0	75.9	12.4	143				
2,4-D	3.67	1.00	4.000	0	91.8	43.3	143				
2,4-DP	3.29	1.00	4.000	0	82.4	49.7	129				
2,4,5-TP (Silvex)	3.46	1.00	4.000	0	86.5	45.2	134				
2,4,5-T	3.48	1.00	4.000	0	86.9	43.8	133				
Dinoseb	0.396	1.00	4.000	0	9.89	5	135				
Dalapon	11.2	2.00	20.00	0	55.9	6.92	95.8				

Work Order: 2112356
CLIENT: OnSite Environmental Inc
Project: 12-210

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCS-34869** SampType: **LCS** Units: **µg/L** Prep Date: **12/27/2021** RunNo: **72391**
Client ID: **LCSW** Batch ID: **34869** Analysis Date: **1/5/2022** SeqNo: **1478010**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	3.22	1.00	4.000	0	80.6	42	141				
MCPP	32.1	5.00	20.00	0	161	35	163				
MCPA	32.2	5.00	20.00	0	161	19	171				
Picloram	3.33	1.00	4.000	0	83.3	5	110				
Bentazon	2.75	1.00	4.000	0	68.9	36.1	139				
Chloramben	0.912	1.00	4.000	0	22.8	5	116				
Acifluorfen	1.15	5.00	4.000	0	28.7	8.43	153				
3,5-Dichlorobenzoic acid	2.69	1.00	4.000	0	67.4	56	122				
4-Nitrophenol	0.589	1.00	4.000	0	14.7	9.06	113				
Dacthal (DCPA)	1.11	2.00	4.000	0	27.6	5	54.3				
Surr: 2,4-Dichlorophenylacetic acid	18.0		20.00		90.1	62.3	134				

Sample ID: **LCSD-34869** SampType: **LCSD** Units: **µg/L** Prep Date: **12/27/2021** RunNo: **72391**
Client ID: **LCSW02** Batch ID: **34869** Analysis Date: **1/5/2022** SeqNo: **1478011**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.22	1.00	4.000	0	80.4	12.4	143	3.036	5.82	30	
2,4-D	3.91	1.00	4.000	0	97.8	43.3	143	3.673	6.34	30	
2,4-DP	3.49	1.00	4.000	0	87.2	49.7	129	3.295	5.70	30	
2,4,5-TP (Silvex)	3.69	1.00	4.000	0	92.3	45.2	134	3.459	6.52	30	
2,4,5-T	3.70	1.00	4.000	0	92.4	43.8	133	3.477	6.11	30	
Dinoseb	1.20	1.00	4.000	0	29.9	5	135	0.3955	101	30	
Dalapon	12.9	2.00	20.00	0	64.6	6.92	95.8	11.19	14.3	30	
2,4-DB	3.42	1.00	4.000	0	85.4	42	141	3.224	5.77	30	
MCPP	29.2	5.00	20.00	0	146	35	163	32.14	9.63	30	
MCPA	29.1	5.00	20.00	0	145	19	171	32.24	10.4	30	
Picloram	3.54	1.00	4.000	0	88.5	5	110	3.331	6.09	30	
Bentazon	3.09	1.00	4.000	0	77.2	36.1	139	2.754	11.4	30	
Chloramben	1.13	1.00	4.000	0	28.3	5	116	0.9123	21.4	30	
Acifluorfen	1.27	5.00	4.000	0	31.7	8.43	153	1.150	9.95	30	

Work Order: 2112356
CLIENT: OnSite Environmental Inc
Project: 12-210

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (GC/MS)

Sample ID: **LCSD-34869** SampType: **LCSD** Units: **µg/L** Prep Date: **12/27/2021** RunNo: **72391**
Client ID: **LCSW02** Batch ID: **34869** Analysis Date: **1/5/2022** SeqNo: **1478011**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	2.91	1.00	4.000	0	72.6	56	122	2.695	7.52	30	
4-Nitrophenol	0.739	1.00	4.000	0	18.5	9.06	113	0.5887	22.6	30	
Dacthal (DCPA)	1.20	2.00	4.000	0	30.1	5	54.3	1.105	8.47	30	
Surr: 2,4-Dichlorophenylacetic acid	20.3		20.00		102	62.3	134		0		

Sample ID: **2112356-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **12/27/2021** RunNo: **72391**
Client ID: **RINSE-20211220** Batch ID: **34869** Analysis Date: **1/5/2022** SeqNo: **1478013**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	3.74	0.960	3.840	0	97.3	32.5	139				
2,4-D	4.58	0.960	3.840	0	119	45.9	150				
2,4-DP	4.14	0.960	3.840	0	108	44.1	144				
2,4,5-TP (Silvex)	4.33	0.960	3.840	0	113	46.3	136				
2,4,5-T	4.48	0.960	3.840	0	117	37	145				
Dinoseb	2.16	0.960	3.840	0	56.1	32.1	115				
Dalapon	14.4	1.92	19.20	0	75.0	17.7	108				
2,4-DB	4.08	0.960	3.840	0	106	37.6	153				
MCPP	42.0	4.80	19.20	0	219	41.3	186				S
MCPA	42.1	4.80	19.20	0	219	48.9	173				S
Picloram	4.02	0.960	3.840	0	105	23.2	104				S
Bentazon	3.69	0.960	3.840	0	96.2	13.2	186				
Chloramben	1.19	0.960	3.840	0	30.9	5	115				
Acifluorfen	1.98	4.80	3.840	0	51.6	27.1	141				
3,5-Dichlorobenzoic acid	3.51	0.960	3.840	0	91.4	35.3	149				
4-Nitrophenol	1.09	0.960	3.840	0	28.4	5	118				
Dacthal (DCPA)	1.33	1.92	3.840	0	34.6	5	92.5				
Surr: 2,4-Dichlorophenylacetic acid	23.9		19.20		124	62.3	134				

NOTES:
S - Spike recovery indicates a possible matrix effect.

Sample Log-In Check List

Client Name:	**ONSITE**	Work Order Number:	**2112356**
Logged by:	**Gabrielle Coeuille**	Date Received:	**12/21/2021 12:33:00 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: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	4.5

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

2112356

OnSite Environmental Inc.

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

Laboratory Reference #: 12-210

Laboratory: Fremont Analytical

Attention: Chelsea Ward

3600 Fremont Avenue N, Seattle, WA 98103

Phone Number: (206) 352-3790

Turnaround Request

1 Day 2 Day 3 Day

Standard

Other: _____

Project Manager: David Baumeister

email: dbaumeister@onsite-env.com

Project Number: 6694-002-05

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	RINSE-20211220	12/20/21	13:40	W	1	Chlorinated Acid Herbicides 8151

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:	OSE	12/21/21	1200	EDDs
Received by:	ALPHA	12/21/21	1200	
Relinquished by:	ALPHA	12/22/21	1231	
Received by:	FAI	12/21/21	1233	
Relinquished by:				
Received by:				

Chain of Custody

Page 1 of 11

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

Company: GeoEngineers
Project Number: 6694-002-05
Project Name: Go East
Project Manager: Garrett Layne
Sampled by: AG, PR

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 12-210

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ 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~~ DB	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals xx Total	HEM (oil and grease) 1664A	% Moisture
1	RINSE-20211220	12/20	1340	Aq.	13			x	x	x			x		x	x	x	x			X		

	Signature	Company	Date	Time
Relinquished	Alexandra Gray	GEI	12/20	15:35
Received		CORE	12/20/21	1535
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
xx As, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Zn

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐