

TABLE 1 (Page 1 of 4)
 GROUNDWATER ANALYTICAL RESULTS: AM-1
 SEMI-ANNUAL GROUNDWATER MONITORING PROGRAM - AMS MARTINS FERRY FACILITY
 AUSTIN MASTERS WASTE PROCESSING FACILITY
 MARTINS FERRY, OHIO

Sample Location:	AM-1											Groundwater Standards	
	Sample Date:	8/27/2015 ⁵	3/30/2016	9/16/2016	5/17/2017	9/21/2017	4/14/2018	10/24/2018	5/8/2019	12/20/2019	9/14/2021		
Sampler:	AESI	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	CEC	CEC	
Laboratory:	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	
Parameters													
TCL VOCs (mg/l) ⁶													
cis-1,2-Dichloroethene	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	0.07	nse
1,1, Dichloroethane	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	nse	nse
Toluene	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	1	nse
Trichloroethene	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	0.005	nse
Vinyl chloride	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	0.002	nse
Metals (mg/L)													
Arsenic (Total)	0.025	0.0094	0.015	0.013	0.018	0.0084	0.011	0.007	0.0109	< 0.02	< 0.02	0.01	nse
Arsenic (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.02	< 0.02	0.01	nse
Barium (Total)	0.3	0.11	0.15	0.091	0.2	0.087	0.093	0.076	0.0603	0.054	0.0697	2	nse
Barium (Dissolved)	--	--	--	--	--	--	--	--	--	0.0559	0.0681	2	nse
Boron (Total)	--	--	--	--	--	--	--	--	--	0.256	0.25	6 ³	nse
Boron (Dissolved)	--	--	--	--	--	--	--	--	--	0.273	0.259	6 ³	nse
Cadmium (Total)	0.005	0.0052	0.12	0.014	0.38	0.035	0.19	0.211	0.0391	0.0016	0.0046	0.005	nse
Cadmium (Dissolved)	--	--	--	--	--	--	--	--	--	0.002	< 0.002	0.005	nse
Calcium (Total)	--	--	--	--	--	--	--	--	--	61.8	84.7	nse	nse
Calcium (Dissolved)	--	--	--	--	--	--	--	--	--	64.5	87.7	nse	nse
Chromium (Total)	0.035	ND	0.0058	0.0032	0.02	0.007	0.0053	ND	ND	< 0.005	< 0.005	0.1	nse
Chromium (Dissolved)	--	--	--	--	--	--	--	--	--	0.0174	< 0.005	0.1	nse
Iron (Total)	--	--	--	--	--	--	--	--	--	12.4	M1	27.5	M1
Iron (Dissolved)	--	--	--	--	--	--	--	--	--	12.0	27.8	nse	0.3
Lead (Total)	0.028	0.0047	0.016	ND	0.032	0.006	0.0089	0.007	ND	< 0.01	< 0.01	0.005	nse
Lead (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.01	< 0.01	0.005	nse
Lithium (Total)	--	--	--	--	--	--	--	--	--	< 1.0	< 0.1	M1	0.083 ³
Lithium (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.1	< 0.1	0.083 ³	nse
Magnesium (Total)	--	--	--	--	--	--	--	--	--	12.6	M1	14.9	nse
Magnesium (Dissolved)	--	--	--	--	--	--	--	--	--	10.6	14.7	nse	nse
Manganese (Total)	21	18.9	17.4	15.3	15.6	13	10.9	12	12.9	9.91	8.91	P6	nse
Manganese (Dissolved)	--	--	--	--	--	--	--	--	--	13.1	7.53	nse	0.05
Mercury (Total)	0.0002	ND	ND	ND	0.0011	ND	ND	ND	ND	< 0.0002	< 0.0002	0.002	nse
Mercury (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.0002	< 0.0002	0.002	nse
Potassium (Total)	--	--	--	--	--	--	--	--	--	1.69	2.13	nse	nse
Potassium (Dissolved)	--	--	--	--	--	--	--	--	--	1.81	2.4	M1	nse
Selenium (Total)	0.015	ND	ND	ND	ND	ND	ND	ND	ND	< 0.02	< 0.02	0.05	nse
Selenium (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.02	< 0.02	0.05	nse
Sodium (Total)	--	--	--	--	--	--	--	--	--	46.6	M1	54.6	nse
Sodium (Dissolved)	--	--	--	--	--	--	--	--	--	51.0	60.7	nse	nse
Silver (Total)	0.01	ND	ND	ND	ND	ND	ND	ND	ND	< 0.005	< 0.005	nse	0.1
Silver (Dissolved)	--	--	--	--	--	--	--	--	--	0.0131	< 0.005	nse	0.1
Strontium (Total)	--	--	--	--	--	--	--	--	--	0.306	0.427	4 ³	nse
Strontium (Dissolved)	--	--	--	--	--	--	--	--	--	0.318	0.464	4 ³	nse
Zinc (Total)	0.21	0.041	0.091	0.058	0.33	0.077	0.28	0.426	0.123	0.0488	0.0286	nse	5
Zinc (Dissolved)	--	--	--	--	--	--	--	--	--	0.0468	< 0.02	nse	5
General Chemistry (mg/l unless otherwise noted)													
pH (Standard Units)	--	--	--	--	--	--	--	--	--	6.5	H3,H6	6.6	H3,H6
Alkalinity	170	--	--	--	--	--	--	--	--	--	258	nse	nse
Chloride	170	175	144	142	127	114	112	90	77	66.4	52.4	nse	250.0
Sulfate	120	106	101	115	107	110	110	98.1	92	87.6	64.9	nse	250.0
Hardness	--	--	--	--	--	--	--	--	--	--	273	nse	nse
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	422	nse	500.0
Total Suspended Solids	--	--	--	--	--	--	--	--	--	--	38	nse	nse
Specific Conductance (uS/cm)	--	--	--	--	--	--	--	--	--	747	1c	745	3c
Field Readings													
Temperature °C	17.6	--	--	--	--	--	--	--	--	16.45	14.39	nse	nse
pH (Standard Units)	6.12	--	--	--	--	--	--	--	--	6.33	6.58	nse	6.5-8.5
Specific Conductance (uS/cm)	1157	--	--	--	--	--	--	--	--	759	753	nse	nse
Oxidation Reduction Potential (mV)	--	--	--	--	--	--	--	--	--	-82.9	-89.6	nse	nse
Dissolved Oxygen (mg/l)	--	--	--	--	--	--	--	--	--	--	1.26	nse	nse
Turbidity (NTU)	349	--	--	--	--	--	--	--	--	18.2	15.7	nse	nse
Radiological (pCi/l)													
Gross Alpha	11.1	2.63	6.59	2.53	27.7	7	6.32	1.85	2.66	1.37 ± 1.49	0.188 ± 1.05	15	nse
Gross Beta	17	2.29	6.62	3.32	38	11.6	5.26	0.96	1.28	2.10 ± 1.29	0.646 ± 0.666	4 mrem/vr dose	nse
Radium-226	0.51	0.225	0.272	0.806	1.16	0.0574	0.48	1.12	0.0574	-0.136 ± 0.445	0.258 ± 0.305	5 ⁴	nse
Radium-228	0.61	0.763	0.809	0.584	0.84	0.8	0.718	0.835	1.29	0.982 ± 0.512	0.178 ± 0.360	5 ⁴	nse

Notes:
 1. Primary Drinking Water Standard Maximum Contaminant Level (MCL) established under the Safe Drinking Water Act unless otherwise noted.
 2. Secondary Drinking Water Standard (SDWR) are non-enforceable non-health related guidelines regulating contaminants that may cause aesthetic effects (such as taste, odor, color or scaling) in drinking water. EPA recommends SDWR to water systems, but does not require systems to comply.
 3. Risk-based screening level from USEPA Regional Screening Levels last updated November 2020.
 4. Based on combined Radium 226 and 228.
 5. Sample was analyzed for Ohio drinking water constituents. Partial results are reported on this table consistent with the parameters in the ongoing monitoring program.
 6. The sample was analyzed for full Target Compound List of VOCs. Only those results that were detected in excess of the MDL as reported on the table.
 -- Denotes parameter not analyzed.
 Bolded values were detected at concentrations above the Laboratory Reporting Limit.
 nse Denotes no standard has been established.
 u/s Not applicable

Indicates an exceedance of a health-based screening level.
 Indicates an exceedance of an aesthetic-based SMCL.
 Indicates an exceedance of a health-based and aesthetic-based screening level.

H3 - Sample was received or analysis requested beyond the recognized method holding time.
 H6 - Analysis initiated outside of the 15 minute EPA required holding time. Field pH is analyzed immediately upon sample collection.
 M1 - Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
 PL - The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
 P6 - Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
 1c - Sample volume was reduced due to the sample not being able to pass through the filter.
 2c - Sample volume was reduced so the sample could be within an acceptable range.
 3c - Sample was filtered in the lab after 24 hours from collection.
 4c - TV= 0mg/L.

TABLE 1 (Page 2 of 4)
 GROUNDWATER ANALYTICAL RESULTS: AM-2
 SEMI-ANNUAL GROUNDWATER MONITORING PROGRAM - AMS MARTINS FERRY FACILITY
 AUSTIN MASTERS WASTE PROCESSING FACILITY
 MARTINS FERRY, OHIO

Sample Location:	AM-2											Groundwater Standards			
	Sample Date:	8/27/2015 ⁵	3/30/2016	9/16/2016	5/17/2017	9/21/2017	4/14/2018	10/24/2018	5/8/2019	12/20/2019	9/14/2021			3/23/2022	
Sampler:	AESI	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	CEC	CEC			
Laboratory:	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace			
Parameters															
TCL VOCs (mg/l)⁶															
cis-1,2-Dichloroethene	0.00087 J	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	0.07	nse		
1,1,1-Dichloroethane	0.00033 J	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	nse	nse		
Toluene	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	1	nse		
Trichloroethene	0.0054	0.0043	0.0032	0.0034	0.0023	0.0032	0.0081	0.0077	0.0031	0.0012	0.0011	0.005	nse		
Vinyl chloride	0.00052 J	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	0.002	nse		
Metals (mg/L)															
Arsenic (Total)	0.01	0.0052	0.0081	0.0054	0.0078	0.0097	0.0069	0.0065	0.0103	< 0.02	< 0.02	0.01	nse		
Arsenic (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.02	< 0.02	0.01	nse		
Barium (Total)	0.1	0.044	0.059	0.052	0.047	0.0985	0.048	0.103	0.051	0.0368	0.0526	2	nse		
Barium (Dissolved)	--	--	--	--	--	--	--	--	--	0.0389	0.0494	2	nse		
Boron (Total)	--	--	--	--	--	--	--	--	--	0.373	0.354	6 ³	nse		
Boron (Dissolved)	--	--	--	--	--	--	--	--	--	0.337	0.361	6 ³	nse		
Cadmium (Total)	0.005	0.0018	0.0065	0.0032	0.0031	0.0093	0.0081	0.0231	0.0113	< 0.001	0.0028	0.005	nse		
Cadmium (Dissolved)	--	--	--	--	--	--	--	--	--	0.0039	< 0.002	0.005	nse		
Calcium (Total)	--	--	--	--	--	--	--	--	--	87.9	139	nse	nse		
Calcium (Dissolved)	--	--	--	--	--	--	--	--	--	96.5	141	nse	nse		
Chromium (Total)	0.01	0.0063	0.0083	0.0042	0.0047	0.014	0.0029	0.0067	ND	< 0.005	< 0.005	0.1	nse		
Chromium (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.005	< 0.005	0.1	nse		
Iron (Total)	--	--	--	--	--	--	--	--	--	38.7	58.5	nse	0.3		
Iron (Dissolved)	--	--	--	--	--	--	--	--	--	42	58.0	nse	0.3		
Lead (Total)	0.003	0.0024	0.009	0.0089	0.0045	0.0098	0.0031	0.0067	0.0068	< 0.01	< 0.01	0.005	nse		
Lead (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.01	< 0.01	0.005	nse		
Lithium (Total)	--	--	--	--	--	--	--	--	--	< 0.1	< 0.100	0.083 ³	nse		
Lithium (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.1	< 0.100	0.083 ³	nse		
Magnesium (Total)	--	--	--	--	--	--	--	--	--	16.0	25.8	nse	nse		
Magnesium (Dissolved)	--	--	--	--	--	--	--	--	--	17.8	24.6	nse	nse		
Manganese (Total)	17	17.1	17.4	15.7	12.6	15.9	14.5	16.2	11.4	11.2	13.8	nse	0.05		
Manganese (Dissolved)	--	--	--	--	--	--	--	--	--	11.1	13.2	nse	0.05		
Mercury (Total)	0.0002	ND	ND	ND	ND	ND	ND	ND	ND	< 0.0002	< 0.0002	0.002	nse		
Mercury (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.0002	< 0.0002	0.002	nse		
Potassium (Total)	--	--	--	--	--	--	--	--	--	5.79	6.39	nse	nse		
Potassium (Dissolved)	--	--	--	--	--	--	--	--	--	5.26	6.82	nse	nse		
Selenium (Total)	0.011	ND	ND	ND	ND	ND	ND	ND	ND	< 0.02	< 0.02	0.05	nse		
Selenium (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.02	< 0.02	0.05	nse		
Sodium (Total)	--	--	--	--	--	--	--	--	--	64.8	66.8	nse	nse		
Sodium (Dissolved)	--	--	--	--	--	--	--	--	--	60.7	72.3	nse	nse		
Silver (Total)	0.01	ND	ND	ND	ND	ND	ND	ND	ND	< 0.005	< 0.005	nse	0.1		
Silver (Dissolved)	--	--	--	--	--	--	--	--	--	< 0.005	< 0.005	nse	0.1		
Strontium (Total)	--	--	--	--	--	--	--	--	--	0.652	0.824	4 ³	nse		
Strontium (Dissolved)	--	--	--	--	--	--	--	--	--	0.604	0.865	4 ³	nse		
Zinc (Total)	0.058	0.058	0.094	0.17	0.081	0.11	0.1	0.132	0.0399	0.0264	0.0213	nse	5		
Zinc (Dissolved)	--	--	--	--	--	--	--	--	--	0.0243	< 0.02	nse	5		
General Chemistry (mg/l unless otherwise noted)															
pH (Standard Units)	--	--	--	--	--	--	--	--	--	6.4	H3,H6	6.1	H3,H6	nse	6.5-8.5
Alkalinity	--	--	--	--	--	--	--	--	--	--	172	nse	nse		
Chloride	220	177	147	150	123	134	157	139	83.9	157.0	249.0	nse	250.0		
Sulfate	230	249	205	244	185	204	210	203	140	113.0	91.9	nse	250.0		
Hardness	--	--	--	--	--	--	--	--	--	285	452	nse	nse		
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	777	nse	500.0		
Total Suspended Solids	--	--	--	--	--	--	--	--	--	--	54	nse	nse		
Specific Conductance (µS/cm)	--	--	--	--	--	--	--	--	--	1060	1c	1170	3c	nse	
Field Readings															
Temperature °C	16.4	--	--	--	--	--	--	--	--	16.9	14.75	nse	nse		
pH (Standard Units)	6.05	--	--	--	--	--	--	--	--	6.29	6.41	nse	6.5-8.5		
Specific Conductance (µS/cm)	1405	--	--	--	--	--	--	--	--	1032	1222	nse	nse		
Oxidation Reduction Potential (mV)	--	--	--	--	--	--	--	--	--	-78	-50.6	nse	nse		
Dissolved Oxygen (mg/l)	--	--	--	--	--	--	--	--	--	0.98	0.94	nse	nse		
Turbidity (NTU)	39	--	--	--	--	--	--	--	--	63.6	26.3	nse	nse		
Radiological (pCi/l)															
Gross Alpha	3.8	3.43	1.88	2.92	15.6	5.9	4.84	6.36	6.38	1.77 ± 1.60	-0.153 ± 0.792	15	nse		
Gross Beta	7.1	5.61	6.11	7.97	13.1	14.9	10.8	5.77	5.43	6.05 ± 1.97	2.32 ± 0.937	4 mrem/yr dose	nse		
Radium-226	0.22	0.316	0.0703	0.487	0.21	0.22	0.844	0.0932	0.197	0.0812 ± 0.455	0.000 ± 0.301	5 ⁴	nse		
Radium-228	0.35	1.07	0.965	0.634	0.61	0.63	0.504	0.356	1.01	0.647 ± 0.424	0.214 ± 0.370	5 ⁴	nse		

Notes:

- Primary Drinking Water Standard Maximum Contaminant Level (MCL) established under the Safe Drinking Water Act unless otherwise noted.
 - Secondary Drinking Water Standard (SDWR) are non-enforceable non-health related guidelines regulating contaminants that may cause aesthetic effects (such as taste, odor, color or scaling) in drinking water. EPA recommends SDWR to water systems, but does not require systems to comply.
 - Risk-based screening level from USEPA Regional Screening Levels last updated November 2020.
 - Based on combined Radium 226 and 228.
 - Sample was analyzed for Ohio drinking water constituents. Partial results are reported on this table consistent with the parameters in the ongoing monitoring program.
 - The sample was analyzed for full Target Compound List of VOCs. Only those results that were detected in excess of the MDL or reported on the table.
 - Denotes parameter not analyzed.
- Bolded values were detected at concentrations above the Laboratory Reporting Limit.
 "nse" Denotes no standard has been established.
 "n/a" Not applicable
 ■ Indicates an exceedance of a health-based screening level.
 ■ Indicates an exceedance of an aesthetic-based SMCL.
 ■ Indicates an exceedance of a health-based and aesthetic-based screening level.

- H3 - Sample was received or analysis requested beyond the recognized method holding time.
 H6 - Analysis initiated outside of the 15 minute EPA required holding time. Field pH is analyzed immediately upon sample collection.
 M1 - Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
 PL - The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
 P6 - Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
- 1c - Sample volume was reduced due to the sample not being able to pass through the filter.
 2c - Sample volume was reduced so the sample could be within an acceptable range.
 3c - Sample was filtered in the lab after 24 hours from collection.
 4c - TV= 0mg/L.

TABLE 1 (Page 4 of 4)
 GROUNDWATER ANALYTICAL RESULTS: NE WELL
 SEMI-ANNUAL GROUNDWATER MONITORING PROGRAM - AMS MARTINS FERRY FACILITY
 AUSTIN MASTERS WASTE PROCESSING FACILITY
 MARTINS FERRY, OHIO

Sample Location:	NE Well											Groundwater Standards				
	Sample Date:	8/27/2015 ⁵	3/30/2016	9/16/2016	5/17/2017	9/21/2017	4/14/2018	10/24/2018	5/8/2019	12/20/2019	9/14/2021			3/23/2022		
	Sampler:	AESI	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	CEC			CEC		
Laboratory:	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace	Pace				
Parameters												MCL ¹	SMCL ²			
TCL VOCs (mg/l)⁶																
cis-1,2-Dichloroethene	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	0.07	nse		
1,1,1-Dichloroethane	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	nse	nse		
Toluene	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	1	nse		
Trichloroethene	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	0.005	nse		
Vinyl chloride	< 0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	< 0.001	< 0.001	0.002	nse		
Metals (mg/L)																
Arsenic (Total)	0.019	ND	0.019	0.028	0.023	ND	0.022	ND	--	--	< 0.02	< 0.02	0.01	nse		
Arsenic (Dissolved)	--	--	--	--	--	--	--	--	--	--	< 0.02	< 0.02	0.01	nse		
Barium (Total)	0.21	0.026	0.23	0.36	0.49	0.017	0.36	0.0996	--	--	0.0126	0.0104	2	nse		
Barium (Dissolved)	--	--	--	--	--	--	--	--	--	--	0.0078	0.008	2	nse		
Boron (Total)	--	--	--	--	--	--	--	--	--	--	0.420	0.360	6 ³	nse		
Boron (Dissolved)	--	--	--	--	--	--	--	--	--	--	0.434	0.369	6 ³	nse		
Cadmium (Total)	0.065	0.08	0.047	0.063	0.041	0.073	0.053	0.0432	--	--	0.0287	0.0786	0.005	nse		
Cadmium (Dissolved)	--	--	--	--	--	--	--	--	--	--	0.0305	0.073	0.005	nse		
Calcium (Total)	--	--	--	--	--	--	--	--	--	--	241	392	nse	nse		
Calcium (Dissolved)	--	--	--	--	--	--	--	--	--	--	250	369	nse	nse		
Chromium (Total)	0.048	0.028	0.067	0.081	0.09	0.022	0.054	0.0282	--	--	0.018	0.024	0.1	nse		
Chromium (Dissolved)	--	--	--	--	--	--	--	--	--	--	0.0165	0.0219	0.1	nse		
Iron (Total)	--	--	--	--	--	--	--	--	--	--	6.72	8.07	nse	0.3		
Iron (Dissolved)	--	--	--	--	--	--	--	--	--	--	2.45	5.08	nse	0.3		
Lead (Total)	0.099	0.0044	0.097	0.094	0.13	ND	0.082	0.0115	--	--	< 0.01	< 0.01	0.005	nse		
Lead (Dissolved)	--	--	--	--	--	--	--	--	--	--	< 0.01	< 0.01	0.005	nse		
Lithium (Total)	--	--	--	--	--	--	--	--	--	--	0.229	0.413	0.083 ³	nse		
Lithium (Dissolved)	--	--	--	--	--	--	--	--	--	--	0.247	0.367	0.083 ³	nse		
Magnesium (Total)	--	--	--	--	--	--	--	--	--	--	23.0	37.6	nse	nse		
Magnesium (Dissolved)	--	--	--	--	--	--	--	--	--	--	23.6	35.0	nse	nse		
Manganese (Total)	2.5	2.7	2.5	2.8	2	2.5	1.6	1.53	--	--	1.47	2.29	nse	0.05		
Manganese (Dissolved)	--	--	--	--	--	--	--	--	--	--	1.49	2.31	nse	0.05		
Mercury (Total)	0.0026	ND	ND	ND	ND	ND	ND	ND	--	--	< 0.0002	< 0.0002	0.002	nse		
Mercury (Dissolved)	--	--	--	--	--	--	--	--	--	--	< 0.0002	< 0.0002	0.002	nse		
Potassium (Total)	--	--	--	--	--	--	--	--	--	--	4.82	5.45	nse	nse		
Potassium (Dissolved)	--	--	--	--	--	--	--	--	--	--	4.83	5.59	nse	nse		
Selenium (Total)	0.01	ND	ND	ND	ND	ND	ND	ND	--	--	< 0.02	< 0.02	0.05	nse		
Selenium (Dissolved)	--	--	--	--	--	--	--	--	--	--	< 0.02	< 0.02	0.05	nse		
Sodium (Total)	--	--	--	--	--	--	--	--	--	--	54.2	47.7	nse	nse		
Sodium (Dissolved)	--	--	--	--	--	--	--	--	--	--	54.3	50.0	nse	nse		
Silver (Total)	0.01	ND	ND	ND	ND	ND	ND	ND	--	--	< 0.005	< 0.005	nse	0.1		
Silver (Dissolved)	--	--	--	--	--	--	--	--	--	--	0.0052	< 0.005	nse	0.1		
Strontium (Total)	--	--	--	--	--	--	--	--	--	--	0.794	0.940	4 ³	nse		
Strontium (Dissolved)	--	--	--	--	--	--	--	--	--	--	0.790	0.948	4 ³	nse		
Zinc (Total)	3	2	3	2.5	2.6	2.1	1.5	1.52	--	--	2.26	2.71	nse	5		
Zinc (Dissolved)	--	--	--	--	--	--	--	--	--	--	2.38	2.51	nse	5		
General Chemistry (mg/l unless otherwise noted)																
pH (Standard Units)	--	--	--	--	--	--	--	--	--	--	2.8	H3,H6	2.7	H3,H6	nse	6.5-8.5
Alkalinity	--	--	--	--	--	--	--	--	--	--	--	< 10	4c	nse	nse	
Chloride	--	54.9	67.1	70.2	57.9	44	53.6	50.2	--	--	52.2	29.7	nse	250.0		
Sulfate	--	1620	1040	1530	1380	1300	1220	1220	--	--	1100	1350	nse	250.0		
Hardness	--	--	--	--	--	--	--	--	--	--	696	1130	nse	nse		
Total Dissolved Solids	--	--	--	--	--	--	--	--	--	--	--	1750	2c	nse	500.0	
Total Suspended Solids	--	--	--	--	--	--	--	--	--	--	--	12	PL	nse	nse	
Specific Conductance (µS/cm)	--	--	--	--	--	--	--	--	--	--	2450	1c	2550	3c	nse	nse
Field Readings																
Temperature °C	15.5	--	--	--	--	--	--	--	--	--	14.85	15.1	nse	nse		
pH (Standard Units)	2.68	--	--	--	--	--	--	--	--	--	2.79	2.59	nse	6.5-8.5		
Specific Conductance (µS/cm)	3000	--	--	--	--	--	--	--	--	--	2187	2489	nse	nse		
Oxidation Reduction Potential (mV)	--	--	--	--	--	--	--	--	--	--	494	486.3	nse	nse		
Dissolved Oxygen (mg/l)	--	--	--	--	--	--	--	--	--	--	1.85	7.53	nse	nse		
Turbidity (NTU)	394	--	--	--	--	--	--	--	--	--	56.5	29.2	nse	nse		
Radiological (pCi/l unless otherwise noted)																
Gross Alpha	28	23.9	13.7	169	104	11.6	55.6	10.8	--	--	11.5 ± 5.53	6.91 ± 3.36	15	nse		
Gross Beta	37.4	9.88	48.6	143	98	23	47	4.46	--	--	3.01 ± 2.54	5.48 ± 2.07	4 mrem/yr dose	nse		
Radium-226	0.13	0.386	0.712	0.226	0.39	0.33	0.358	0.519	--	--	-0.281 ± 0.419	0.263 ± 0.274	5 ⁴	nse		
Radium-228	0.65	1.7	1.26	0.578	1.18	0.75	1.24	1.44	--	--	0.286 ± 0.380	0.888 ± 0.432	5 ⁴	nse		

Notes:

- Primary Drinking Water Standard Maximum Contaminant Level (MCL) established under the Safe Drinking Water Act unless otherwise noted.
 - Secondary Drinking Water Standard (SDWR) are non-enforceable non-health related guidelines regulating contaminants that may cause aesthetic effects (such as taste, odor, color or scaling) in drinking water. EPA recommends SDWR to water systems, but does not require systems to comply.
 - Risk-based screening level from USEPA Regional Screening Levels last updated November 2020.
 - Based on combined Radium 226 and 228.
 - Sample was analyzed for Ohio drinking water constituents. Partial results are reported on this table consistent with the parameters in the ongoing monitoring program.
 - The sample was analyzed for full Target Compound List of VOCs. Only those results that were detected in excess of the MDL or reported on the table.
- Denotes parameter not analyzed.
 Bolded values were detected at concentrations above the Laboratory Reporting Limit.
 "nse" Denotes no standard has been established.
 "n/a" Not applicable.

- H3 - Sample was received or analysis requested beyond the recognized method holding time.
 H6 - Analysis initiated outside of the 15 minute EPA required holding time. Field pH is analyzed immediately upon sample collection.
 M1 - Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
 PL - The minimum mass of dried residue of 2.5 mg could not be obtained using the routine sample volume of 100 mL.
 P6 - Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
- 1c - Sample volume was reduced due to the sample not being able to pass through the filter.
 2c - Sample volume was reduced so the sample could be within an acceptable range.
 3c - Sample was filtered in the lab after 24 hours from collection.
 4c - TV= 0mg/L.