

MER-002

Parameter	Unit	Recommended Benchmark 2018					
		Q1	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020
Field							
D.O.	ppm	-	11.02	8.88	8.18	12.4	13.07
ORP	mV	-	265.6	172.1	154.6	112.9	225.8
pH	SU	6.2-7.2	6.93	6.58	7.48	7.49	7.04
Specific Conductance	uS/cm	-	95.3	84.7	184.7	141.6	84.5
Temperature	C	-	-0.06	10.86	15.7	0.04	0.433
Turbidity	NTU	-	2.21	1.86	6.48	2.97	0.74
Flow	cfs	-	-	85.2	6.87	37.3	41.4
Metals							
Aluminum	ug/L	-	-	-	<50.0	-	-
Antimony	ug/L	-	-	-	<1.0	-	-
Arsenic	ug/L	2.82	< 1.0	<1.0	2.6	1.0	<1.0
Barium	ug/L	-	-	-	9.7	-	-
Beryllium	ug/L	-	-	-	<1.0	-	-
Boron	ug/L	-	-	-	14.6	-	-
Cadmium	ug/L	-	-	-	0.007	-	-
Chromium	ug/L	-	-	-	<1.0	-	-
Cobalt	ug/L	-	-	-	0.246	-	-
Copper	ug/L	1.08	0.6	0.61	0.260	0.41	0.73
Iron	ug/L	3080.87	1060	1160	2580	1420	1270
Lead	ug/L	0.34	0.136	0.142	0.060	0.125	0.112
Lithium	ug/L	-	-	-	<8.0	-	-
Manganese	ug/L	211.73	68.4	115	210	148	81.6
Mercury	ng/L	5.12	3.42	1.34	1.62	3.17	3.03
Molybdenum	ug/L	-	-	-	<1.0	-	-
Nickel	ug/L	1.16	0.53	0.81	0.584	0.73	0.5
Selenium	ug/L	-	-	-	0.072	-	-
Silver	ug/L	-	-	-	<0.20	-	-
Thallium	ug/L	-	-	-	<1.0	-	-
Vanadium	ug/L	-	-	-	<1.0	-	-
Zinc	ug/L	6.3	2.71	2.73	0.65	1.67	1.21
Major Anions							
Alkalinity, Bicarbonate	mg/L	45.83	14.8	16.0	51.4	21.1	20.9
Alkalinity, Carbonate	mg/L	8.0	< 2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	14.13	5.7	5.7	14.5	6.2	6.6
Fluoride	mg/L	0.4	< 0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Ammonia	mg/L	2.0	< 0.025	< 0.025	< 0.025	< 0.025	-
Nitrogen, Nitrate	mg/L	0.52	0.27	< 0.10	< 0.10	< 0.10	0.114
Nitrogen, Nitrite	mg/L	2.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sulfate	mg/L	13.82	3.7	4.7	11.7	5.4	5.2
Sulfide	mg/L	20	< 0.20	<0.20	<0.20	<0.20	<0.20
Major Cations							
Calcium	mg/L	16.83	6.0	6.5	17.7	7.3	8.0
Magnesium	mg/L	4.59	1.8	2.0	4.9	2.2	2.3
Potassium	mg/L	1.25	0.83	0.60	1.2	0.56	0.69
Sodium	mg/L	8.52	3.4	3.9	9.6	4.2	4.3
General							
Hardness	mg/L	60.32	22.6	24.6	64.4	27.2	29.5
Total Dissolved Solids	mg/L	210.48	45	32	93	56	57
Total Suspended Solids	mg/L	5.57	< 5.0	<5.0	<5.0	<5.0	<2.6

MER-003

Parameter	Unit	Recommended Benchmark 2018					
		Q1	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020
Field							
D.O.	ppm	-	11.75	8.88	8.34	12.8	13.17
ORP	mV	-	254.9	175.7	134	230.1	220.1
pH	SU	6.3-7.3	7.24	6.99	6.78	7.09	6.89
Specific Conductance	uS/cm	-	104.3	96.0	198.1	205.7	128.4
Temperature	C	-	0.37	11.67	15.8	0.95	0.93
Turbidity	NTU	-	4.33	45.33	6.20	3.08	1.24
Flow	cfs	-	-	-	7.03	30.27	33.38
Metals							
Aluminum	ug/L	-	-	-	<50.0	-	-
Antimony	ug/L	-	-	-	<1.0	-	-
Arsenic	ug/L	2.56	< 1.0	<1.0	2.4	1.1	<1.0
Barium	ug/L	-	-	-	9.3	-	-
Beryllium	ug/L	-	-	-	<1.0	-	-
Boron	ug/L	-	-	-	21.9	-	-
Cadmium	ug/L	-	-	-	0.007	-	-
Chromium	ug/L	-	-	-	<1.0	-	-
Cobalt	ug/L	-	-	-	0.190	-	-
Copper	ug/L	2.85	0.58	0.72	0.334	0.92	<0.4
Iron	ug/L	3007.1	1150	1130	2360	1440	1390
Lead	ug/L	0.35	0.135	0.137	0.050	0.126	0.116
Lithium	ug/L	-	-	-	<8.0	-	-
Manganese	ug/L	223.25	71.1	123	135	163	141
Mercury	ng/L	5.23	2.47	1.55	1.91	4.04	2.79
Molybdenum	ug/L	-	-	-	<1.0	-	-
Nickel	ug/L	1.53	0.69	0.98	1.36	0.45	1.88
Selenium	ug/L	-	-	-	0.074	-	-
Silver	ug/L	-	-	-	<0.20	-	-
Thallium	ug/L	-	-	-	<1.0	-	-
Vanadium	ug/L	-	-	-	<1.0	-	-
Zinc	ug/L	7.49	2.76	3.3	0.47	3.47	1.42
Major Anions							
Alkalinity, Bicarbonate	mg/L	49.72	15.2	17.8	51.5	24.2	23.0
Alkalinity, Carbonate	mg/L	8.0	< 2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	15.25	6.2	8.2	17.0	10.6	9.7
Fluoride	mg/L	0.2	< 0.10	<0.10	<0.10	<0.10	<0.10
Nitrogen, Ammonia	mg/L	2.0	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Nitrogen, Nitrate	mg/L	0.2	0.259	< 0.10	< 0.10	< 0.10	0.111
Nitrogen, Nitrite	mg/L	2.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Sulfate	mg/L	16.73	5.8	13.3	14.3	24.0	17.5
Sulfide	mg/L	20	< 0.20	<0.20	<0.20	<0.20	<0.20
Major Cations							
Calcium	mg/L	16.98	6.2	6.6	16.7	7.4	9.3
Magnesium	mg/L	4.68	1.9	2.2	4.9	2.6	3.0
Potassium	mg/L	1.31	0.87	0.73	1.2	0.89	1.0
Sodium	mg/L	8.76	4.9	9.2	12.2	14.9	10
General							
Hardness	mg/L	62.63	23.4	25.5	61.8	29.2	35.8
Total Dissolved Solids	mg/L	133.98	48	47	106	85	34
Total Suspended Solids	mg/L	4.01	< 5.0	<5.0	9.0	<5.0	<2.5

Q3 2019

Parameter	Unit	Recommended	
		Benchmark	Q1 2020
Field			
D.O.	ppm	-	13.15
ORP	mV	-	231.2
pH	SU	-	6.0
Specific Conductance	uS/cm	-	129.8
Temperature	C	-	0.978
Turbidity	NTU	-	1.05
Flow	cfs	-	-
Metals			
Aluminum	ug/L	-	-
Antimony	ug/L	-	-
Arsenic	ug/L	-	<1.0
Barium	ug/L	-	-
Beryllium	ug/L	-	-
Boron	ug/L	-	-
Cadmium	ug/L	-	-
Chromium	ug/L	-	-
Cobalt	ug/L	-	-
Copper	ug/L	-	0.79
Iron	ug/L	-	1260
Lead	ug/L	-	0.108
Lithium	ug/L	-	-
Manganese	ug/L	-	142
Mercury	ng/L	-	2.87
Molybdenum	ug/L	-	-
Nickel	ug/L	-	1.94
Selenium	ug/L	-	-
Silver	ug/L	-	-
Thallium	ug/L	-	-
Vanadium	ug/L	-	-
Zinc	ug/L	-	1.17
Major Anions			
Alkalinity, Bicarbonate	mg/L	-	23.4
Alkalinity, Carbonate	mg/L	-	< 2.0
Chloride	mg/L	-	9.6
Fluoride	mg/L	-	< 0.10
Nitrogen, Ammonia	mg/L	-	< 0.025
Nitrogen, Nitrate	mg/L	-	0.0437
Nitrogen, Nitrite	mg/L	-	< 0.10
Sulfate	mg/L	-	18.4
Sulfide	mg/L	-	< 0.20
Major Cations			
Calcium	mg/L	-	9.4
Magnesium	mg/L	-	3.1
Potassium	mg/L	-	1.1
Sodium	mg/L	-	10.2
General			
Hardness	mg/L	-	36.2
Total Dissolved Solids	mg/L	-	48
Total Suspended Solids	mg/L	-	< 2.5

WBR-001

Parameter	Unit	Recommended Benchmark 2018					
		Q1	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020
Field							
D.O.	ppm	-	NM	7.14	7.98	11.16	NM
ORP	mV	-	NM	254.7	78.9	249.3	NM
pH	SU	4.97-5.97	NM	5.29	6.09	7.36	NM
Specific Conductance	uS/cm	-	NM	60.0	115.3	145.2	NM
Temperature	C	-	NM	12.4	14.6	0.59	NM
Turbidity	NTU	-	NM	0.77	7.79	0.8	NM
Flow	cfs	-	-	-	-	-	-
Metals							
Aluminum	ug/L	-	NM	-	128	-	NM
Antimony	ug/L	-	NM	-	<1.0	-	NM
Arsenic	ug/L	6.6	NM	1.2	1.8	1.6	NM
Barium	ug/L	-	NM	-	8.4	-	NM
Beryllium	ug/L	-	NM	-	<1.0	-	NM
Boron	ug/L	-	NM	-	<10.0	-	NM
Cadmium	ug/L	-	NM	-	0.011	-	NM
Chromium	ug/L	-	NM	-	<1.0	-	NM
Cobalt	ug/L	-	NM	-	0.427	-	NM
Copper	ug/L	3.28	NM	0.82	0.578	0.50	NM
Iron	ug/L	11517.57	NM	1220	2220	1260	NM
Lead	ug/L	4.31	NM	0.666	0.641	0.182	NM
Lithium	ug/L	-	NM	-	<8.0	-	NM
Manganese	ug/L	363.23	NM	73.6	179	127	NM
Mercury	ng/L	15.32	NM	<1.3	6.39	7.95	NM
Molybdenum	ug/L	-	NM	-	<1.0	-	NM
Nickel	ug/L	3.08	NM	0.79	0.646	0.78	NM
Selenium	ug/L	-	NM	-	0.082	-	NM
Silver	ug/L	-	NM	-	<0.20	-	NM
Thallium	ug/L	-	NM	-	<1.0	-	NM
Vanadium	ug/L	-	NM	-	<1.0	-	NM
Zinc	ug/L	16.13	NM	8.08	2.99	5.32	NM
Major Anions							
Alkalinity, Bicarbonate	mg/L	9.12	NM	<2.0	5.6	25.6	NM
Alkalinity, Carbonate	mg/L	8.0	NM	<2.0	<2.0	<2.0	NM
Chloride	mg/L	24.46	NM	25.3	27.3	16.7	NM
Fluoride	mg/L	0.4	NM	<0.10	<0.10	<0.10	NM
Nitrogen, Ammonia	mg/L	2.0	NM	< 0.025	0.055	0.030	NM
Nitrogen, Nitrate	mg/L	0.2	NM	< 0.10	< 0.10	< 0.10	NM
Nitrogen, Nitrite	mg/L	2.0	NM	< 0.10	< 0.10	< 0.10	NM
Sulfate	mg/L	11.1	NM	2.6	<1.0	1.9	NM
Sulfide	mg/L	20	NM	<0.20	<0.20	<0.20	NM
Major Cations							
Calcium	mg/L	7.55	NM	2.7	5.0	4.0	NM
Magnesium	mg/L	3.02	NM	1.1	2.0	1.6	NM
Potassium	mg/L	2.65	NM	0.63	0.58	0.55	NM
Sodium	mg/L	10.69	NM	7.8	12.5	13.3	NM
General							
Hardness	mg/L	37.48	NM	11.2	41.2	16.7	NM
Total Dissolved Solids	mg/L	210.94	NM	49	115	87	NM
Total Suspended Solids	mg/L	55.41	NM	<5.0	6.0	<5.0	NM

* - Lowest achievable Reporting Limit by laboratory due to matrix interference

WBR-002

Parameter	Unit	Recommended Benchmark 2018					
		Q1	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020
Field							
D.O.	ppm	-	6.78	6.68	4.4	12.21	5.87
ORP	mV	-	51.2	167.5	-39.9	232.3	139
pH	SU	5.9-6.9	6.45	6.03	6.53	6.92	6.09
Specific Conductance	uS/cm	-	247.6	105.7	216	225.8	231.4
Temperature	C	-	0.79	12.8	16.0	1.4	0.63
Turbidity	NTU	-	19.65	8.24	152	21.09	12.85
Flow	cfs	-	-	0.28	-	24.63	1.0
Metals							
Aluminum	ug/L	-	-	-	57.2	-	-
Antimony	ug/L	-	-	-	<1.0	-	-
Arsenic	ug/L	7.13	7.5	1.9	12.9	2.8	5.8
Barium	ug/L	-	-	-	16.0	-	-
Beryllium	ug/L	-	-	-	<1.0	-	-
Boron	ug/L	-	-	-	15.7	-	-
Cadmium	ug/L	-	-	-	<0.007	-	-
Chromium	ug/L	-	-	-	<1.0	-	-
Cobalt	ug/L	-	-	-	0.231	-	-
Copper	ug/L	1.35	0.6	1.22	0.331	0.92	-
Iron	ug/L	16420.56	21800	2570	12500	4710	13900
Lead	ug/L	0.44	0.207	0.092	0.078	0.280	-
Lithium	ug/L	-	-	-	<8.0	-	-
Manganese	ug/L	1549.89	989	96.6	940	90.0	789
Mercury	ng/L	4.5	1.43	<1.3	1.08	7.95	1.19
Molybdenum	ug/L	-	-	-	<1.0	-	-
Nickel	ug/L	3.27	2.03	1.36	0.557	1.25	-
Selenium	ug/L	-	-	-	0.081	-	-
Silver	ug/L	-	-	-	<0.20	-	-
Thallium	ug/L	-	-	-	<1.0	-	-
Vanadium	ug/L	-	-	-	1.1	-	-
Zinc	ug/L	19.81	2.67	3.37	0.61	1.59	-
Major Anions							
Alkalinity, Bicarbonate	mg/L	105.3	30.9	11.8	38.7	22.8	27.8
Alkalinity, Carbonate	mg/L	8.0	< 2.0	<2.0	<2.0	<2.0	<2.0
Chloride	mg/L	59.63	38.3	25.3	32.8	28.7	40.2
Fluoride	mg/L	0.29	< 0.10	<0.10	0.12	<0.10	<0.10
Nitrogen, Ammonia	mg/L	2.0	0.19	<0.025	0.464	<0.025	<0.025
Nitrogen, Nitrate	mg/L	2.0	<0.050	<0.10	<0.10	<0.10	<0.10
Nitrogen, Nitrite	mg/L	2.0	0.01	<0.10	<0.10	<0.10	<0.10
Sulfate	mg/L	10.3	2.2	2.6	1.0	2.5	2.2
Sulfide	mg/L	20	< 0.20	<0.20	<0.20	<0.20	<0.20
Major Cations							
Calcium	mg/L	12.96	9.1	4.9	9.8	6.7	8.9
Magnesium	mg/L	5.87	4.4	2.3	4.0	3.3	4.4
Potassium	mg/L	2.57	1.8	1.4	1.8	1.4	1.8
Sodium	mg/L	27.52	20.0	16.0	17.1	17.8	23.8
General							
Hardness	mg/L	57.46	41	21.6	41.2	30.4	40.5
Total Dissolved Solids	mg/L	169.66	140	67	115	117	96
Total Suspended Solids	mg/L	12.9	43	<5.0	6.0	<5.0	<25.0

* - Lowest achievable Reporting Limit by laboratory due to matrix interference

WBR-003

Parameter	Unit	Recommended Benchmark 2018					
		Q1	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020
Field							
D.O.	ppm	-	6.78	6.68	1.78	6.61	NM
ORP	mV	-	51.2	167.5	-100.1	219.2	NM
pH	SU	5.8-6.8	6.45	6.03	6.76	6.98	NM
Specific Conductance	uS/m	-	247.6	105.7	310.6	219.2	NM
Temperature	C	-	0.79	12.8	14.5	0.28	NM
Turbidity	NTU	-	19.65	8.24	74.59	9.7	NM
Flow	cfs	-	-	0.28	-	-	-
Metals							
Aluminum	ug/L	-	-	-	119	-	NM
Antimony	ug/L	-	-	-	<1.0	-	NM
Arsenic	ug/L	4.04	7.5	1.9	17.7	1.6	NM
Barium	ug/L	-	-	-	30.3	-	NM
Beryllium	ug/L	-	-	-	<1.0	-	NM
Boron	ug/L	-	-	-	11.5	-	NM
Cadmium	ug/L	-	-	-	<0.007	-	NM
Chromium	ug/L	-	-	-	<1.0	-	NM
Cobalt	ug/L	-	-	-	1.7	-	NM
Copper	ug/L	0.67	0.6	1.22	0.572	0.5	NM
Iron	ug/L	12988.41	21800	2570	35400	3260	NM
Lead	ug/L	0.4	0.207	0.092	0.225	0.182	NM
Lithium	ug/L	-	-	-	<8.0	-	NM
Manganese	ug/L	2260.79	989	96.6	1550	109	NM
Mercury	ng/L	6.12	1.43	<1.3	2.63	2.61	NM
Molybdenum	ug/L	-	-	-	1.5	-	NM
Nickel	ug/L	3.5	2.03	1.36	1.46	0.78	NM
Selenium	ug/L	-	-	-	0.157	-	NM
Silver	ug/L	-	-	-	<0.20	-	NM
Thallium	ug/L	-	-	-	<1.0	-	NM
Vanadium	ug/L	-	-	-	2.0	-	NM
Zinc	ug/L	16.92	2.67	3.37	55.5	0.93	NM
Major Anions							
Alkalinity, Bicarbonate	mg/L	51.3	30.9	11.8	90.7	25.6	NM
Alkalinity, Carbonate	mg/L	8.0	< 2.0	<2.0	<2.0	<2.0	NM
Chloride	mg/L	43.43	38.3	25.3	21.8	24.2	NM
Fluoride	mg/L	0.3	< 0.10	<0.10	0.22	<0.10	NM
Nitrogen, Ammonia	mg/L	2.0	0.19	<0.025	0.405	0.031	NM
Nitrogen, Nitrate	mg/L	0.3	<0.050	<0.10	<0.10	<0.10	NM
Nitrogen, Nitrite	mg/L	2.0	0.01	<0.10	<0.10	<0.10	NM
Sulfate	mg/L	17.4	2.2	2.6	<1.0	3.7	NM
Sulfide	mg/L	20	< 0.20	<0.20	<0.20	<0.20	NM
Major Cations							
Calcium	mg/L	15.23	9.1	4.9	25.3	7.2	NM
Magnesium	mg/L	6.08	4.4	2.3	8.4	3.5	NM
Potassium	mg/L	2.22	1.8	1.4	1.4	1.1	NM
Sodium	mg/L	19.88	20.0	16.0	13.5	14.4	NM
General							
Hardness	mg/L	64.17	41	21.6	97.7	32.4	NM
Total Dissolved Solids	mg/L	177.46	140	67	198	87	NM
Total Suspended Solids	mg/L	18.78	43	<5.0	39	<5.0	NM

* - Lowest achievable Reporting Limit by laboratory due to matrix interference

HMWQ-004

Parameter	Unit	Recommended Benchmark 2014	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020
Field							
D.O.	ppm	-	NM	NM	NM	NM	NM
ORP	mV	-	NM	NM	NM	NM	NM
pH	SU	5.69-6.69	NM	NM	NM	NM	NM
Specific Conductance	uS/m	-	NM	NM	NM	NM	NM
Temperature	C	-	NM	NM	NM	NM	NM
Turbidity	NTU	-	NM	NM	NM	NM	NM
Flow	cfs	-	-	-	-	-	-
Metals							
Aluminum	ug/L	200 (p)	NM	NM	NM	NM	NM
Antimony	ug/L	2.3	NM	NM	NM	NM	NM
Arsenic	ug/L	35	NM	NM	NM	NM	NM
Barium	ug/L	118	NM	NM	NM	NM	NM
Beryllium	ug/L	4.0 (p)	NM	NM	NM	NM	NM
Boron	ug/L	36	NM	NM	NM	NM	NM
Cadmium	ug/L	0.1	NM	NM	NM	NM	NM
Chromium	ug/L	14	NM	NM	NM	NM	NM
Cobalt	ug/L	3	NM	NM	NM	NM	NM
Copper	ug/L	11	NM	NM	NM	NM	NM
Iron	ug/L	73,409	NM	NM	NM	NM	NM
Lead	ug/L	2.1	NM	NM	NM	NM	NM
Lithium	ug/L	16	NM	NM	NM	NM	NM
Manganese	ug/L	2541	NM	NM	NM	NM	NM
Mercury	ng/L	43	NM	NM	NM	NM	NM
Molybdenum	ug/L	4.7	NM	NM	NM	NM	NM
Nickel	ug/L	5.6	NM	NM	NM	NM	NM
Selenium	ug/L	0.44	NM	NM	NM	NM	NM
Silver	ug/L	0.35	NM	NM	NM	NM	NM
Thallium	ug/L	4.0 (p)	NM	NM	NM	NM	NM
Vanadium	ug/L	39	NM	NM	NM	NM	NM
Zinc	ug/L	44	NM	NM	NM	NM	NM
Major Anions							
Alkalinity, Bicarbonate	mg/L	68	NM	NM	NM	NM	NM
Alkalinity, Carbonate	mg/L	8.0 (p)	NM	NM	NM	NM	NM
Chloride	mg/L	68	NM	NM	NM	NM	NM
Fluoride	mg/L	0.23	NM	NM	NM	NM	NM
Nitrogen, Ammonia	mg/L	1.9	NM	NM	NM	NM	NM
Nitrogen, Nitrate	mg/L	2.0 (p)	NM	NM	NM	NM	NM
Nitrogen, Nitrite	mg/L	2.0 (p)	NM	NM	NM	NM	NM
Sulfate	mg/L	4.0 (p)	NM	NM	NM	NM	NM
Sulfide	mg/L	20 (p)	NM	NM	NM	NM	NM
Major Cations							
Calcium	mg/L	21	NM	NM	NM	NM	NM
Magnesium	mg/L	8.1	NM	NM	NM	NM	NM
Potassium	mg/L	3.3	NM	NM	NM	NM	NM
Sodium	mg/L	49	NM	NM	NM	NM	NM
General							
Hardness	mg/L	88	NM	NM	NM	NM	NM
Total Dissolved Solids	mg/L	209	NM	NM	NM	NM	NM
Total Suspended Solids	mg/L	353	NM	NM	NM	NM	NM

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Parameter	Unit	Recommended Benchmark 2018					
		*	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020
Field							
D.O.	ppm		NM	5.84	2.83	11.46	NM
ORP	mV		NM	324.1	204	247	NM
pH	SU	6.6-7.6	NM	6.78	7.28	6.97	NM
Specific Conductance	uS/m		NM	654.95	209.4	158.3	NM
Temperature	C		NM	11.24	13.7	1.6	NM
Turbidity	NTU		NM	2.97	3.12	3.05	NM
Flow	cfs		-	-	-	-	-
Metals							
Aluminum	ug/L	-	NM	-	<50.0	-	NM
Antimony	ug/L	-	NM	-	<1.0	-	NM
Arsenic	ug/L	6.0	NM	<1.0	1.2	<1.0	NM
Barium	ug/L	-	NM	-	7.7	-	NM
Beryllium	ug/L	-	NM	-	<1.0	-	NM
Boron	ug/L	-	NM	-	21.0	-	NM
Cadmium	ug/L	-	NM	-	<0.007	-	NM
Chromium	ug/L	-	NM	-	<1.0	-	NM
Cobalt	ug/L	-	NM	-	0.207	-	NM
Copper	ug/L	1300	NM	1.77	1.13	1.26	NM
Iron	ug/L	1758.94	NM	859	1280	1130	NM
Lead	ug/L	6.36	NM	0.131	0.047	0.130	NM
Lithium	ug/L	-	NM	-	<8.0	-	NM
Manganese	ug/L	855.5	NM	26.8	86.1	68.8	NM
Mercury	ng/L	1.24	NM	1.63	2.36	3.89	NM
Molybdenum	ug/L	-	NM	-	1.4	-	NM
Nickel	ug/L	172.08	NM	3.13	3.18	2.13	NM
Selenium	ug/L	-	NM	-	0.006	-	NM
Silver	ug/L	-	NM	-	<0.20	-	NM
Thallium	ug/L	-	NM	-	<1.0	-	NM
Vanadium	ug/L	-	NM	-	<1.0	-	NM
Zinc	ug/L	64.27	NM	2.88	0.48	1.97	NM
Major Anions							
Alkalinity, Bicarbonate	mg/L	100.8	NM	21.3	59.9	24.2	NM
Alkalinity, Carbonate	mg/L	8	NM	<2.0	<2.0	<2.0	NM
Chloride	mg/L	37.3	NM	6.0	15.5	7.0	NM
Fluoride	mg/L	2.73	NM	<0.10	<0.10	<0.10	NM
Nitrogen, Ammonia	mg/L	2	NM	<0.025	<0.025	<0.025	NM
Nitrogen, Nitrate	mg/L	0.16	NM	<0.10	<0.10	<0.10	NM
Nitrogen, Nitrite	mg/L	2	NM	<0.10	<0.10	<0.10	NM
Sulfate	mg/L	207.45	NM	5.5	9.8	6.2	NM
Sulfide	mg/L	20	NM	<0.20	<0.20	<0.20	NM
Major Cations							
Calcium	mg/L	77.48	NM	6.7	19.2	8.5	NM
Magnesium	mg/L	66.48	NM	2.2	5.5	2.6	NM
Potassium	mg/L	86.72	NM	0.7	1.4	0.72	NM
Sodium	mg/L	37.45	NM	4.1	10.1	4.7	NM
General							
Hardness	mg/L	342.27	NM	25.8	70.7	31.7	NM
Total Dissolved Solids	mg/L	529.47	NM	27.0	108	72	NM
Total Suspended Solids	mg/L	13.20	NM	<5.0	9.0	<5.0	NM

* - Recommended Benchmarks are for Q2 - Insufficient Q1 Data to Develop Benchmarks