

Appendix H-3

Water monitoring stations results

MEL-SR1			Sample Date	5/27/2018	6/3/2018	6/10/2018	6/17/2018	6/25/2018	7/1/2018	7/7/2018	7/16/2018	8/4/2018	8/4/2018	8/11/2018	8/18/2018	8/19/2018	8/24/2018	9/1/2018	9/7/2018	9/16/2018	9/22/2018	9/29/2018
Parameters	MAX GRAB	MAX MEAN	Sample Name Units	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1 US	MEL-SR1	MEL-SR1	MEL-SR1-US	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1	MEL-SR1
Conventional Parameters																						
pH	6 - 9.5	6 - 9.5	pH	7.87	7.54	7.66	7.98	7.98	8.03	8.07	7.70	7.90	7.95	7.83	8.04	7.64	8.05	8.03	7.83	7.99	7.88	8.01
Specific conductivity			umhos/cm	240	210	410	570	-	-	-	-	-	-	-	-	-	-	1800	-	-	-	-
Total dissolved solids			mg/L	200	95	150	310															
Total suspended solids	100	50	mg/L	500	44	15	13	8	2	2	69	3	120	47	2	990	1	2	2	1	2	2
Total organic carbon			mg/L	-	-	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity			NTU	620	22	2	2	-	0.6	0.8	-	1.2	13	5.4	1.0	310	0.5	0.4	0.3	0.4	0.3	0.2
Major Ions																						
Bicarbonate, as CaCO3			mg/L	53	46	79	100															
Carbonate, as CaCO3			mg/L	< 1.0	< 1.0	< 1.0	< 1.0															
Calcium			mg/L					-	-	-	-	-	82	-	-	-	-	-	-	-	-	-
Chloride			mg/L	25	21	41	73	-	150	200	-	360	-	180	270	1100	290	290	310	310	340	350
Cyanide			mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	-	< 0.0050	-	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluoride			mg/L					-	0.11	0.13	-	0.13	-	0.13	0.16	0.13	0.12	0.20	0.14	0.13	0.15	0.13
Magnesium			mg/L	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-
Potassium			mg/L					-	-	-	-	13	-	-	-	-	-	-	-	-	-	-
Sodium			mg/L					-	-	-	-	110	-	-	-	-	-	-	-	-	-	-
Sulphate			mg/L	26	24	40	56	-	140	150	-	160	-	130	240	350	230	250	240	250	240	260
Reactive silica			mg/L	1.9	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrients and Chlorophyll a																						
Nitrate			mg/L	0.86	0.16	0.27	0.24	-	0.20	0.16	-	0.78	-	1.64	0.30	-	0.38	0.30	0.42	0.48	0.77	0.74
Nitrite			mg/L	0.014	< 0.010	< 0.010	< 0.010	-	< 0.010	< 0.010	-	< 0.010	-	0.037	< 0.010	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrate + nitrite			mg/L					-	0.20	0.16	-	0.78	-	1.68	0.30	-	0.38	0.30	0.42	0.48	0.77	0.74
Total ammonia			mg/L	0.28	0.32	0.3	< 0.050	-	< 0.050	0.076	-	0.068	-	0.18	< 0.050	-	0.13	< 0.050	< 0.050	0.097	0.12	0.073
Total Kjeldahl nitrogen			mg/L	0.6	1.8	0.89		-			-		-			-						
Total phosphorus			mg/L	0.33	0.069	0.038	0.022	-	< 0.020	< 0.020	-	< 0.020	-	0.052	< 0.020	-	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Orthophosphate			mg/L	-	-	< 0.01	< 0.01	-	< 0.010	< 0.010	-	< 0.010	-	< 0.010	< 0.010	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
General Organics																						
Total oil and grease			mg/L	0.6	1.4	0.7	0.9	0.80	-	-	< 0.50	0.80	-	-	-	-	-	-	-	-	-	-
Total Metals																						
Aluminum			mg/L	-	-	0.404	0.272	-	0.0477	0.0355	-	0.0387	-	1.66	0.0684	-	0.0147	0.0131	0.0299	0.0058	0.0175	0.0180
Antimony			mg/L	-	-	0.0005	0.00053	-	< 0.00050	0.00059	-	0.00053	-	0.00131	< 0.00050	-	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic			mg/L	-	-	0.00135	0.00155	-	0.00234	0.00324	-	0.00419	-	0.00518	0.00370	-	0.00414	0.00422	0.00421	0.00370	0.00499	0.00351
Barium			mg/L	-	-	0.0269	0.0293	-	0.0501	0.0586	-	0.0709	-	0.0708	0.0654	-	0.0611	0.0736	0.0602	0.0535	0.0540	0.0612
Beryllium			mg/L	-	-	< 0.00010	< 0.00010	-	< 0.00010	< 0.00010	-	< 0.00010	-	< 0.00010	< 0.00010	-	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Boron			mg/L	-	-	< 0.050	< 0.050	-	0.072	0.061	-	0.119	-	0.078	0.073	-	0.075	0.089	0.083	0.070	0.090	0.086
Cadmium			mg/L	-	-	0.0000150	< 0.000010	-	0.000012	0.000023	-	0.000025	-	0.000029	0.000021	-	0.000023	0.000025	0.000032	0.000031	0.000075	0.000042
Calcium			mg/L	0.026	0.023	38.6	51.4	-	101	130	-	158	87	125	156	-	159	178	163	166	182	172
Chromium			mg/L	-	-	0.0031	0.0021	-	< 0.0010	< 0.0010	-	< 0.0010	-	0.0104	< 0.0010	-	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Copper			mg/L	-	-	0.00482	0.00411	-	0.00329	0.00432	-	0.00430	-	0.0101	0.00458	-	0.00434	0.00458	0.00466	0.00393	0.00530	0.00422
Iron			mg/L	-	-	0.647	0.518	-	0.123	0.158	-	0.277	-	2.58	0.213	-	0.092	0.136	0.131	0.088	0.143	0.111
Lead			mg/L	-	-	0.00044	0.00033	-	< 0.00020	< 0.00020	-	< 0.00020	-	0.00124	< 0.00020	-	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Lithium			mg/L	-	-	0.0036	0.0033	-	0.0056	0.0069	-	0.0612	-	0.0201	0.0171	-	0.0163	0.0313	0.0288	0.0246	0.0208	0.0180
Magnesium			mg/L	0.018	0.0039	6.95	10	-	19.0	26.3	-	30.8	23	25.5	31.0	-	30.7	32.9	35.2	34.7	38.6	38.8
Manganese			mg/L	-	-	0.0482	0.0264	-	0.0337	0.128	-	0.112	-	0.157	0.0410	-	0.0259	0.0343	0.0341	0.0259	0.0321	0.0286
Mercury			mg/L					-	< 0.00001	< 0.00001	-	< 0.00001	-	< 0.00001	< 0.00001	-	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum			mg/L	-	-	0.0012	0.0011	-	0.0013	0.0015	-	0.0014	-	0.0020	0.0012	-	0.0011	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nickel			mg/L	-	-	0.0053	0.0064	-	0.0110	0.0186	-	0.0297	-	0.0154	0.0236	-	0.0308	0.0333	0.0425	0.0386	0.0665	0.0639
Potassium			mg/L	0.011	0.003	5.01	5.73	-	10.3	13.0	-	14.3	14	11.8	13.3	-	14.0	15.7	14.3	14.5	14.8	16.0
Selenium			mg/L	-	-	< 0.00010	< 0.00010	-	< 0.00010	0.00011	-	0.00016	-	0.00029	0.00012	-	0.00013	0.00012	0.00013	0.00011	0.00015	0.00012
Silver			mg/L	-	-	< 0.000020	< 0.000020	-	< 0.000020	< 0.000020	-	< 0.000020	-	< 0.000020	< 0.000020	-	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Sodium			mg/L	0.021	0.011	24.2	38.9	-	72.1	108	-	135	110	104	118	-	124	135	138	135	153	151
Strontium			mg/L	-	-	0.18	0.219	-	0.467	0.575	-	0.961	-	0.683	0.759	-	0.752	0.993	0.814	0.785	0.788	0.837
Thallium			mg/L	-	-	0.0000120	< 0.000010	-	0.000012	0.000013	-	0.000017	-	0.000035	0.000013	-	0.000012	0.000016	0.000011	< 0.000010	0.000011	0.000011
Tin			mg/L	-	-	< 0.0005	< 0.0050	-	< 0.0050	< 0.0050	-	< 0.0050	-	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Titanium			mg/L	-	-	0.0177	0.0117	-	< 0.0050	< 0.0050	-	< 0.0050	-	0.0729	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Uranium			mg/L	-	-	0.00096	0.00132	-	0.00291	0.00379	-	0.00355	-	0.00288	0.00307	-	0.00325	0.00328	0.00329	0.00315	0.00360	0.00342
Vanadium			mg/L	-	-	< 0.0005	< 0.0050	-	< 0.0050	< 0.0050	-	< 0.0050	-	0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Zinc			mg/L	-	-	0.0105	0.0121	-	0.0267	0.0458	-	0.0528	-	0.0189	0.0350	-	0.0506	0.0560	0.0942	0.0720	0.136	0.153

MEL-SR2			Sample Date	6/3/2018	6/10/2018	7/1/2018
Parameters	MAX GRAB	MAX MEAN	Sample Name Units	MEL-SR2	MEL-SR2	MEL-SR2
Conventional Parameters						
pH	6 - 9.5	6 - 9.5	pH	7.57	7.55	7.70
Specific conductivity			umhos/cm	180	310	-
Total dissolved solids			mg/L	115	130	
Total suspended solids	100	50	mg/L	38	26	19
Total organic carbon			mg/L	-	6.6	
Turbidity			NTU	22	1.4	24
Major Ions						
Bicarbonate, as CaCO3			mg/L	38	65	
Carbonate, as CaCO3			mg/L	< 1.0	< 1.0	
Calcium			mg/L			-
Chloride			mg/L	14	26	180
Cyanide			mg/L	< 0.0050	< 0.0050	< 0.0050
Fluoride			mg/L			0.11
Magnesium			mg/L	-	-	-
Potassium			mg/L			-
Sodium			mg/L			-
Sulphate			mg/L	23	36	140
Reactive silica			mg/L	-	0.98	
Nutrients and Chlorophyll a						
Nitrate			mg/L	0.18	0.13	0.15
Nitrite			mg/L	< 0.010	< 0.010	< 0.010
Nitrate + nitrite			mg/L			0.15
Total ammonia			mg/L	0.2	0.38	0.46
Total Kjeldahl nitrogen			mg/L	1.8	1.2	
Total phosphorus			mg/L	0.052	0.26	0.032
Orthophosphate			mg/L	-	< 0.01	< 0.010
General Organics						
Total oil and grease			mg/L	< 0.50	-	-
Total Metals						
Aluminum			mg/L	-	0.294	0.306
Antimony			mg/L	-	< 0.0005	< 0.00050
Arsenic			mg/L	-	0.00116	0.00339
Barium			mg/L	-	0.019	0.0710
Beryllium			mg/L	-	< 0.0001	< 0.00010
Boron			mg/L	-	< 0.05	0.057
Cadmium			mg/L	-	0.0000130	0.000013
Calcium			mg/L	0.021	33.4	117
Chromium			mg/L	-	0.002	0.0024
Copper			mg/L	-	0.0037	0.00324
Iron			mg/L	-	0.494	4.01
Lead			mg/L	-	0.00022	0.00023
Lithium			mg/L	-	0.0025	0.0056
Magnesium			mg/L	0.003	5.19	24.5
Manganese			mg/L	-	0.0796	0.404
Mercury			mg/L			< 0.00001
Molybdenum			mg/L	-	< 0.001	0.0017
Nickel			mg/L	-	0.0035	0.0063
Potassium			mg/L	0.003	4.38	11.6
Selenium			mg/L	-	< 0.0001	0.00011
Silver			mg/L	-	< 0.00002	< 0.000020
Sodium			mg/L	0.0073	414	80.8
Strontium			mg/L	-	0.134	0.507
Thallium			mg/L	-	0.0000110	0.000018
Tin			mg/L	-	< 0.005	< 0.0050
Titanium			mg/L	-	0.0107	0.0153
Uranium			mg/L	-	0.00061	0.00289
Vanadium			mg/L	-	< 0.005	< 0.0050
Zinc			mg/L	-	0.0092	0.351

MEL-SR7			Sample Date	6/3/2018	6/10/2018	6/17/2018	6/25/2018	8/4/2018	8/20/2018
			Sample Name	MEL-SR7	MEL-SR7	MEL-SR7	MEL-SR7	MEL-SR7 US	MEL-SR7-US
Parameters	MAX GRAB	MAX MEAN	Units						
Conventional Parameters									
pH	6 - 9.5	6 - 9.5	pH	7.48	7.72	7.87	7.99	8.02	8.14
Specific conductivity			umhos/cm	17	390	480	-	-	-
Total dissolved solids			mg/L	110	170	265			
Total suspended solids	100	50	mg/L	42	2	3	2	81	52
Total organic carbon			mg/L	-	4.3	-			
Turbidity			NTU	21	1.8	1.2	-	8.5	9.3
Major Ions									
Bicarbonate, as CaCO3			mg/L	2.1	79	88			
Carbonate, as CaCO3			mg/L	40	< 1.0	< 1.0			
Calcium			mg/L				-	190	-
Chloride			mg/L	< 1.0	40	60	-	-	160
Cyanide			mg/L	< 0.0050	< 0.0050	< 0.005	-	-	-
Fluoride			mg/L				-	-	0.16
Magnesium			mg/L	-	-	-	-	29	-
Potassium			mg/L				-	20	-
Sodium			mg/L				-	120	-
Sulphate			mg/L	24	39	46	-	-	210
Reactive silica			mg/L	-	1.3	-			
Nutrients and Chlorophyll a									
Nitrate			mg/L	0.13	< 0.1	< 0.1	-	-	-
Nitrite			mg/L	0.016	< 0.01	< 0.01	-	-	-
Total ammonia			mg/L	0.34	< 0.05	< 0.050	-	-	-
Total Kjeldahl nitrogen			mg/L	2.1	0.28	-			
Total phosphorus			mg/L	0.07	0.021	0.033	-	-	-
Orthophosphate			mg/L	-	< 0.01	< 0.01	-	-	-
General Organics									
Total oil and grease			mg/L	190	1.7	< 0.5	1.5	-	-
Total Metals									
Aluminum			mg/L	-	0.346	0.139	-	-	-
Antimony			mg/L	-	< 0.0005	< 0.00050	-	-	-
Arsenic			mg/L	-	0.0012	0.00244	-	-	-
Barium			mg/L	-	0.0241	0.0226	-	-	-
Beryllium			mg/L	-	< 0.0001	< 0.00010	-	-	-
Boron			mg/L	-	< 0.05	< 0.050	-	-	-
Cadmium			mg/L	-	0.0000150	0.0000120	-	-	-
Calcium			mg/L	0.025	39.3	43.5	-	200	-
Chromium			mg/L	-	0.0027	< 0.0010	-	-	-
Copper			mg/L	-	0.00418	0.0043	-	-	-
Iron			mg/L	-	0.493	0.235	-	-	-
Lead			mg/L	-	0.00023	< 0.00020	-	-	-
Lithium			mg/L	-	0.0036	0.0027	-	-	-
Magnesium			mg/L	0.0035	6.7	7.84	-	35	-
Manganese			mg/L	-	0.028	0.0122	-	-	-
Molybdenum			mg/L	-	< 0.001	< 0.0010	-	-	-
Nickel			mg/L	-	0.0035	0.0059	-	-	-
Potassium			mg/L	0.003	4.86	4.3	-	22	-
Selenium			mg/L	-	< 0.0001	< 0.00010	-	-	-
Silver			mg/L	-	< 0.00002	< 0.000020	-	-	-
Sodium			mg/L	0.01	22.9	30.1	-	130	-
Strontium			mg/L	-	0.166	0.168	-	-	-
Thallium			mg/L	-	< 0.00001	< 0.000010	-	-	-
Tin			mg/L	-	< 0.005	< 0.0050	-	-	-
Titanium			mg/L	-	0.0136	0.0056	-	-	-
Uranium			mg/L	-	0.00066	0.00068	-	-	-
Vanadium			mg/L	-	< 0.005	< 0.0050	-	-	-
Zinc			mg/L	-	0.0073	0.0063	-	-	-

MEL-SR9			Sample Date	6/17/2018
			Sample Name	MEL-SR9
Parameters	MAX GRAB	MAX MEAN	Units	
Conventional Parameters				
pH	6 - 9.5	6 - 9.5	pH	7.98
Specific conductivity			umhos/cm	430
Total dissolved solids			mg/L	245
Total suspended solids	100	50	mg/L	670
Turbidity			NTU	270
Major Ions				
Bicarbonate, as CaCO3			mg/L	97
Carbonate, as CaCO3			mg/L	< 1.0
Chloride			mg/L	38
Cyanide			mg/L	< 0.005
Sulphate			mg/L	37
Nutrients and Chlorophyll a				
Nitrate			mg/L	2.32
Nitrite			mg/L	0.038
Total ammonia			mg/L	0.21
Total phosphorus			mg/L	0.24
Orthophosphate			mg/L	< 0.010
General Organics				
Total oil and grease			mg/L	< 0.50
Total Metals				
Aluminum			mg/L	19.3
Antimony			mg/L	< 0.00050
Arsenic			mg/L	0.00491
Barium			mg/L	0.069
Beryllium			mg/L	0.00011
Boron			mg/L	< 0.050
Cadmium			mg/L	0.000126
Calcium			mg/L	38.7
Chromium			mg/L	0.223
Copper			mg/L	0.0741
Iron			mg/L	31
Lead			mg/L	0.00578
Lithium			mg/L	0.0183
Magnesium			mg/L	23.3
Manganese			mg/L	0.531
Molybdenum			mg/L	0.0028
Nickel			mg/L	0.0936
Potassium			mg/L	6.48
Selenium			mg/L	0.0005
Silver			mg/L	0.0000440
Sodium			mg/L	35.3
Strontium			mg/L	0.149
Thallium			mg/L	0.0000870
Tin			mg/L	< 0.0050
Titanium			mg/L	0.606
Uranium			mg/L	0.0009
Vanadium			mg/L	0.047
Zinc			mg/L	0.0525

MEL-SR11			Sample Date	5/27/2018	6/3/2018	6/10/2018	6/17/2018	6/20/2018	8/4/2018	8/11/2018	8/18/2018
			Sample Name	MEL-SR11	MEL-SR11	MEL-SR11	MEL-SR11	MEL-SR11	MEL-SR11	MEL-SR11	MEL-SR11
Parameters	MAX GRAB	MAX MEAN	Units								
Conventional Parameters											
pH	6 - 9.5	6 - 9.5	pH	8.08	7.92	7.92	7.93	7.82	7.94	7.94	7.94
Specific conductivity			umhos/cm	290	1100	390	540	-	-	-	-
Total dissolved solids			mg/L	230	640	200	315	-	-	-	-
Total suspended solids	100	50	mg/L	1200	420	160	19	15	31	3	11
Total organic carbon			mg/L	-	-	4.1	-	-	-	-	-
Turbidity			NTU	2400	170	41	15	-	0.4	1.6	0.5
Major Ions											
Bicarbonate, as CaCO3			mg/L	86	110	76	89	-	-	-	-
Carbonate, as CaCO3			mg/L	< 1.0	< 1.0	< 1.0	< 1.0	-	-	-	-
Chloride			mg/L	34	210	35	64	-	680	480	600
Cyanide			mg/L	< 0.0050	< 0.0050	< 0.005	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050
Fluoride			mg/L	-	-	-	-	-	0.55	0.42	0.46
Sulphate			mg/L	21	75	33	44	-	490	300	350
Reactive silica			mg/L	2.5	-	2	-	-	-	-	-
Nutrients and Chlorophyll a											
Nitrate			mg/L	1.04	2.09	4.58	4.87	-	28.9	26.2	20.5
Nitrite			mg/L	0.037	0.12	0.93	0.084	-	0.416	0.280	0.232
Nitrate + nitrite			mg/L	-	-	-	-	-	29.3	26.5	20.7
Total ammonia			mg/L	0.85	2.4	0.99	1.3	-	1.5	2.6	0.94
Total Kjeldahl nitrogen			mg/L	1.5	4	2.3	-	-	-	-	-
Total phosphorus			mg/L	0.99	0.58	0.072	0.043	-	0.020	0.022	0.031
Orthophosphate			mg/L	-	-	< 0.01	-	-	< 0.010	< 0.010	< 0.010
General Organics											
Total oil and grease			mg/L	0.6	1	< 0.5	0.8	< 0.5	1.4	-	-
Total Metals											
Aluminum			mg/L	-	-	0.00586	0.000937	-	0.0533	0.227	0.150
Antimony			mg/L	-	-	0.00000107	0.00000258	-	0.0349	0.0269	0.0357
Arsenic			mg/L	-	-	0.00000381	0.00000234	-	0.00237	0.00295	0.00215
Barium			mg/L	-	-	0.0000327	0.0000159	-	0.0750	0.0599	0.0548
Beryllium			mg/L	-	-	< 0.0000001	< 0.00000010	-	< 0.00020	< 0.00020	< 0.00020
Boron			mg/L	-	-	0.000055	0.000085	-	0.35	0.28	0.36
Cadmium			mg/L	-	-	0.0000000410	0.0000000130	-	0.000033	0.000029	0.000101
Calcium			mg/L	0.063	0.069	0.0136	0.0164	-	151	112	111
Chromium			mg/L	-	-	0.0000677	0.0000078	-	< 0.0020	< 0.0020	< 0.0020
Copper			mg/L	-	-	0.0000269	0.00000704	-	0.0038	0.0056	0.0037
Iron			mg/L	-	-	0.00957	0.00148	-	0.079	0.365	0.247
Lead			mg/L	-	-	0.00000391	0.00000126	-	< 0.00040	< 0.00040	< 0.00040
Lithium			mg/L	-	-	0.0000067	0.0000024	-	0.0172	0.0136	0.0159
Magnesium			mg/L	0.042	0.038	0.00895	0.00769	-	81.9	57.5	63.7
Manganese			mg/L	-	-	0.000162	0.0000304	-	0.0129	0.0322	0.0216
Mercury			mg/L	-	-	-	-	-	< 0.00001	< 0.00001	< 0.00001
Molybdenum			mg/L	-	-	0.0000031	0.000004	-	0.0130	0.0113	0.0119
Nickel			mg/L	-	-	0.0000295	0.0000057	-	0.0042	0.0053	0.0046
Potassium			mg/L	0.018	0.017	0.0059	0.00593	-	36.8	28.2	28.1
Selenium			mg/L	-	-	0.00000054	0.00000049	-	0.00214	0.00144	0.00132
Silver			mg/L	-	-	< 0.00000002	< 0.000000020	-	< 0.000040	< 0.000040	< 0.000040
Sodium			mg/L	0.027	0.12	0.0527	0.0692	-	448	336	360
Strontium			mg/L	-	-	0.000051	0.0000685	-	0.676	0.589	0.565
Thallium			mg/L	-	-	0.0000000440	0.0000000240	-	0.000082	0.000072	0.000066
Tin			mg/L	-	-	< 0.000005	< 0.0000050	-	< 0.010	< 0.010	< 0.010
Titanium			mg/L	-	-	0.000215	0.0000314	-	< 0.010	0.011	< 0.010
Uranium			mg/L	-	-	0.00000112	0.00000222	-	0.0337	0.0287	0.0319
Vanadium			mg/L	-	-	0.0000172	< 0.0000050	-	< 0.010	< 0.010	< 0.010
Zinc			mg/L	-	-	0.000025	< 0.0000050	-	< 0.010	< 0.010	< 0.010

MEL-11 Parameters	Sample Date Units	6/20/2018	7/18/2018	8/15/2018	8/19/2018	9/2/2018	11/4/2018	12/2/2018
Field Parameters								
pH	pH units	7.13	8.24	8.27	8.71	7.86	7.86	-
Temperature	Celsius	6.3	11.8	14.4	10.3	8	6.3	-
Specific conductivity	umhos/cm	90.1	85.8	117.5	80.6	91.5	92.9	-
Conventional Parameters								
pH	pH units	7.11	7.16	7.31	7.24	7.59	7.20	7.28
Specific conductivity	umhos/cm	90	83	92	81	96	87	92
Hardness, as CaCO3	mg/L	24.9	24.6	27.6	22.4	30.0	42.6	26.5
Dissolved hardness, as CaCO3	mg/L	24.7	23.3	26.1	24.9	29.5	25.4	25.2
Total suspended solids	mg/L	1	1	3	2	1	< 1	1
Total dissolved solids	mg/L	185	85	55	60	75	15	80
Total organic carbon	mg/L	4.1	3.3	3.3	2.7	3.0	2.8	2.6
Dissolved organic carbon	mg/L	3.7	3.0	3.3	2.8	3.0	3.0	2.8
Turbidity	NTU	0.4	0.5	0.3	0.3	0.2	0.3	0.3
Major Ions								
Bicarbonate, as CaCO3	mg/L	17	15	16	20	22	21	22
Calcium	mg/L	7.64	7.26	8.22	7.92	9.58	8.01	7.83
Carbonate, as CaCO3	mg/L	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloride	mg/L	11	12	13	9.6	12	11	11
Cyanide	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluoride	mg/L	-	-	-	-	-	-	< 0.10
Magnesium	mg/L	1.35	1.26	1.35	1.24	1.37	1.3	1.37
Potassium	mg/L	1.12	0.939	0.929	0.934	1.09	1.07	1.13
Sodium	mg/L	5.57	5.16	5.35	5.11	5.02	5.31	5.56
Sulphate	mg/L	4.1	4.2	4.8	3.7	5.8	3.7	4.2
Reactive Silica	mg/L	0.54	0.41	0.33	0.31	0.41	<0.3	0.27
Nutrients and Chlorophyll a								
Nitrate	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite	mg/L	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrate + nitrite	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total ammonia	mg/L	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.080
Total Kjeldahl nitrogen	mg/L	0.20	0.12	0.23	< 0.10	0.22	0.12	0.13
Total phosphorus	mg/L	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Orthophosphate	mg/L	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
General Organics								
Total oil and grease	mg/L	-	1.4	0.80	< 0.50	-	-	-
Total Metals								
Aluminum	mg/L	0.0061	0.235	0.646	0.0227	0.0080	0.735	0.0059
Antimony	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Arsenic	mg/L	0.00034	0.00204	0.00280	0.00033	0.00033	0.00038	0.00030
Barium	mg/L	0.0092	0.0107	0.0197	0.0084	0.0100	0.0108	0.0095
Beryllium	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bismuth	mg/L	-	-	-	-	-	-	< 0.001
Boron	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Cadmium	mg/L	< 0.00001	0.000012	0.000014	< 0.00001	< 0.00001	0.000013	< 0.00001
Calcium	mg/L	7.66	7.47	8.50	6.99	9.87	11.6	8.28
Chromium	mg/L	0.0066	0.0010	0.0019	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	-	-	-	-	-	-	< 0.0002
Copper	mg/L	0.00095	0.00263	0.00327	0.00092	0.00099	0.00146	0.00096
Iron	mg/L	0.053	0.538	1.86	0.055	0.015	0.176	0.07
Lead	mg/L	< 0.0002	0.00041	0.00052	< 0.0002	< 0.0002	0.00046	< 0.0002
Lithium	mg/L	< 0.002	< 0.002	0.0021	< 0.002	< 0.002	0.0021	< 0.002
Magnesium	mg/L	1.41	1.44	1.55	1.20	1.29	3.34	1.41
Manganese	mg/L	0.0123	0.0539	0.173	0.0085	0.0031	0.0288	0.0085
Mercury	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Molybdenum	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Nickel	mg/L	< 0.001	0.0016	0.0028	< 0.001	< 0.001	< 0.001	< 0.001
Potassium	mg/L	1.09	0.988	1.13	0.884	1.03	1.17	1.14
Selenium	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Silicon	mg/L	-	-	-	-	-	-	0.17
Silver	mg/L	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Sodium	mg/L	5.58	5.09	5.01	4.84	4.90	7.14	5.51
Strontium	mg/L	0.0371	0.0478	0.0561	0.0360	0.0543	0.0456	0.0432
Sulphur	mg/L	-	-	-	-	-	-	< 3
Thallium	mg/L	< 0.00001	< 0.00001	0.000016	< 0.00001	< 0.00001	-	< 0.00001
Tin	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Titanium	mg/L	< 0.005	0.0135	0.0381	< 0.005	< 0.005	< 0.005	< 0.005
Uranium	mg/L	< 0.0001	< 0.0001	0.00013	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	0.0057	< 0.005	< 0.005	0.179	< 0.005
Zirconium	mg/L	-	-	-	-	-	-	< 0.0001
Dissolved Metals								
Aluminum	mg/L	0.0044	0.0047	0.0054	0.0054	0.0042	0.004	0.0036
Antimony	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Arsenic	mg/L	0.00029	0.00058	0.00041	0.00025	0.00032	0.00027	0.00024
Barium	mg/L	0.0092	0.0073	0.0083	0.0079	0.0091	0.0085	0.0084
Beryllium	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Bismuth	mg/L	-	-	-	-	-	-	< 0.001
Boron	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Cadmium	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Chromium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	mg/L	-	-	-	-	-	-	< 0.0002
Copper	mg/L	0.00084	0.00069	0.00075	0.00079	0.00093	0.00077	0.00068
Iron	mg/L	0.0338	0.0324	0.0199	0.0080	0.0070	0.011	0.0281
Lead	mg/L	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Lithium	mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Manganese	mg/L	0.0122	0.0075	0.0024	0.0011	< 0.001	0.0041	0.0056
Mercury	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Molybdenum	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Nickel	mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Selenium	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Silicon	mg/L	-	-	-	-	-	-	0.141
Silver	mg/L	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Strontium	mg/L	0.0359	0.0462	0.0515	0.0388	0.0514	0.0425	0.0420
Sulphur	mg/L	-	-	-	-	-	-	< 3
Thallium	mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Tin	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Titanium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Uranium	mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Vanadium	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zirconium	mg/L	-	-	-	-	-	-	< 0.0001
Volatile Organics								
Benzene	mg/L	-	< 0.00020	< 0.00020	< 0.00020	-	< 0.00020	< 0.00020
Ethylbenzene	mg/L	-	< 0.00020	< 0.00020	< 0.00020	-	< 0.00020	< 0.00020
Toluene	mg/L	-	< 0.00020	< 0.00020	0.00092	-	< 0.00020	< 0.00020
Xylenes	mg/L	-	< 0.00040	< 0.00040	< 0.00040	-	< 0.00040	< 0.00040
m,p-Xylenes	mg/L	-	< 0.00040	< 0.00040	< 0.00040	-	< 0.00040	< 0.00040
o-Xylene	mg/L	-	< 0.00020	< 0.00020	< 0.00020	-	< 0.00020	< 0.00020
F1 (C6-C10)-BTX	mg/L	-	< 0.025	< 0.025	< 0.025	-	< 0.025	< 0.025
F1 (C6-C10)	mg/L	-	< 0.025	< 0.025	< 0.025	-	< 0.025	< 0.025
F2 (C10-C16)	mg/L	-	< 0.1	< 0.1	< 0.1	-	< 0.1	< 0.1
F3 (C16-C34)	mg/L	-	< 0.2	< 0.2	< 0.2	-	< 0.2	< 0.2
F4 (C34-C50)	mg/L	-	< 0.2	< 0.2	< 0.2	-	< 0.2	< 0.2
Reached baseline at C50	mg/L	-	YES	YES	YES	-	YES	YES
Radionuclides								
Radium-226	Bq/l	-	< 0.0050	< 0.0050	< 0.0050	-	-	-

MEL-12 Parameters		Sample Date	7/10/2018	7/18/2018	8/5/2018	8/12/2018
Max Grab	Max Mean	Units				
Conventional Parameters						
pH		pH units	7.5	7.46	7.38	7.62
Specific conductivity		umhos/cm	1700	1800	1900	2100
Hardness		mg CaCO3/L	427	445	516	536
Dissolved Hardness		mg CaCO3/L	421	446	500	507
Total suspended solids		mg/L	8	15	33	140
Total dissolved solids		mg/L	1060	1200	1100	1250
Total organic carbon		mg/L	10	13	22	27
Dissolved organic carbon		mg/L	8.1	9.6	13	15
Turbidity		NTU	2.5	3.7	14	8.3
Major Ions						
Bicarbonate, as CaCO3		mg/L	58	60	48	65
Dissolved Calcium		mg/L	131	139	155	156
Carbonate, as CaCO3		mg/L	< 1.0	< 1.0	< 1.0	< 1.0
Dissolved Chloride		mg/L	410	450	500	560
Free Cyanide		mg/L	< 0.0010	< 0.0010	< 0.0010	2.1
Total Cyanide		mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Dissolved Magnesium		mg/L	22.9	24.3	27.6	28.2
Dissolved Potassium		mg/L	11.7	12.7	14.2	14.7
Dissolved Sodium		mg/L	112	120	139	146
Sulphate		mg/L	50	53	55	54
Reactive Silica		mg/L	0.079	0.12	0.62	1.0
Nutrients and Chlorophyll a						
Nitrate		mg/L	5.18	4.89	3.26	2.63
Nitrite		mg/L	0.135	0.271	0.076	0.248
Nitrate + nitrite		mg/L	5.32	5.16	3.34	2.88
Total ammonia		mg/L	2.2	1.3	0.24	0.89
Total Kjeldahl nitrogen		mg/L	3.3	1.8	1.2	2.1
Total phosphorus		mg/L	0.057	0.096	0.12	0.32
Orthophosphate		mg/L	< 0.010	< 0.010	< 0.010	< 0.010
General Organics						
Total oil and grease		mg/L	<0.5	2.3	1.0	1.1
Total Metals						
Aluminum		mg/L	0.13	0.414	0.893	6.02
Antimony		mg/L	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic		mg/L	0.00188	0.00191	0.00352	0.00989
Barium		mg/L	0.108	0.102	0.124	0.163
Beryllium		mg/L	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Boron		mg/L	0.117	0.119	0.149	0.174
Cadmium		mg/L	0.000031	0.000021	< 0.000010	0.000046
Calcium		mg/L	135	138	156	164
Chromium		mg/L	< 0.0010	< 0.0010	< 0.0010	0.0027
Copper		mg/L	0.00217	0.00217	0.00251	0.00652
Iron		mg/L	0.295	0.291	0.610	3.47
Lead		mg/L	0.00041	<0.0002	0.00043	0.00149
Lithium		mg/L	0.122	0.124	0.140	0.150
Magnesium		mg/L	22.2	24.4	30.4	30.6
Manganese		mg/L	0.274	0.196	0.406	0.884
Mercury		mg/L	< 0.00001	< 0.00001	< 0.00001	0.00001
Molybdenum		mg/L	<0.001	0.0011	0.0031	0.0023
Nickel		mg/L	0.0033	0.003	0.0042	0.0074
Potassium		mg/L	11.8	12.6	14.6	16.0
Selenium		mg/L	<0.0001	<0.0001	0.00011	0.00014
Silver		mg/L	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Sodium		mg/L	107	120	148	150
Strontium		mg/L	2.48	2.97	3.71	4.71
Thallium		mg/L	0.000035	0.000036	0.000011	0.000047
Tin		mg/L	<0.0050	< 0.0050	< 0.0050	< 0.0050
Titanium		mg/L	< 0.0050	< 0.0050	< 0.0050	0.0342
Uranium		mg/L	0.00061	0.00062	0.00073	0.00147
Vanadium		mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Zinc		mg/L	0.018	0.0065	0.0068	0.0597
Dissolved Metals						
Aluminum		mg/L	0.062	0.324	0.643	0.174
Antimony		mg/L	< 0.0005	< 0.0005	< 0.01	< 0.0005
Arsenic		mg/L	0.00134	0.0017	0.0025	0.00303
Barium		mg/L	0.0937	0.101	0.124	0.146
Beryllium		mg/L	< 0.0001	< 0.0001	< 0.002	< 0.0001
Boron		mg/L	0.125	0.124	< 1.0	0.146
Cadmium		mg/L	0.000015	0.000018	< 0.0002	< 0.00001
Chromium		mg/L	< 0.001	< 0.001	< 0.02	< 0.001
Copper		mg/L	0.00175	0.00172	< 0.004	0.00121
Iron		mg/L	0.0814	0.141	0.35	0.251
Lead		mg/L	< 0.0002	< 0.0002	< 0.004	< 0.0002
Lithium		mg/L	0.12	0.126	0.138	0.148
Manganese		mg/L	0.0189	0.115	0.313	0.537
Mercury		mg/L	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum		mg/L	<0.001	0.0011	< 0.02	0.0021
Nickel		mg/L	0.0028	0.0027	< 0.02	0.0038
Selenium		mg/L	< 0.0001	< 0.0001	< 0.002	< 0.0001
Silver		mg/L	< 0.00002	< 0.00002	< 0.0004	< 0.00002
Strontium		mg/L	2.76	2.8	2.82	3.59
Thallium		mg/L	0.00003	0.000033	< 0.0002	< 0.00001
Tin		mg/L	< 0.005	< 0.005	< 0.1	< 0.005
Titanium		mg/L	< 0.005	< 0.005	< 0.1	< 0.005
Uranium		mg/L	0.00059	0.0006	< 0.002	0.00063
Vanadium		mg/L	< 0.005	< 0.005	< 0.1	< 0.005
Zinc		mg/L	0.0115	< 0.005	< 0.1	0.0252
Volatile Organics						
	TPH: 5 mg/L	TPH: 5 mg/L				
Benzene		mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Ethylbenzene		mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Toluene		mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Xylenes		mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes		mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040
o-Xylene		mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020
F1 (C6-C10)-BTEX		mg/L	< 0.025	< 0.025	< 0.025	< 0.025
F1 (C6-C10)		mg/L	< 0.025	< 0.025	< 0.025	< 0.025
F2 (C10-C16)		mg/L	< 0.1	< 0.1	< 0.1	< 0.1
F3 (C16-C34)		mg/L	< 0.2	< 0.2	< 0.2	0.2
F4 (C34-C50)		mg/L	< 0.2	< 0.2	< 0.2	< 0.2
Reached baseline at C50		-	YES	YES	YES	YES
1,4-Difluorobenzene		%	104	104	100	105
4-Bromofluorobenzene		%	83	80	83	98
D10-Ethylbenzene		%	202	100	76	84
D4 1,2-Dichloroethane		%	109	105	103	106
o-Terphenyl		%	99	95	101	100
Radionuclides						
Radium-226		Bq/l	0.007	< 0.005	< 0.005	0.021

MEL-13 Parameters		Sample Date Units	7/23/2018	8/20/2018	8/26/2018	9/4/2018
Conventional Parameters						
pH	pH units		7.03	7.27	7.32	7.44
Dissolved Oxygen	mg/L		-	-	10.3	10.6
Specific conductivity	umhos/cm		88	91	87	84
Total Hardness	mg/L		485	25.3	24.5	25.2
Dissolved Hardness	mg/L		23.7	24.8	25.0	22.7
Total suspended solids	mg/L		1	1	1	1
Total dissolved solids	mg/L		15	400	75	100
Total organic carbon	mg/L		3.1	2.9	3.0	3.0
Dissolved organic carbon	mg/L		3.0	2.9	2.8	2.9
Turbidity	NTU		0.3	0.3	0.3	0.2
Major Ions						
Bicarbonate	mg CaCO3/L		16	17	15	16
Calcium	mg/L		7.39	7.67	7.82	7.02
Carbonate	mg CaCO3/L		< 1	< 1	< 1	< 1
Chloride	mg/L		13	13	13	13
Free Cyanide	mg/L		<0.001	<0.001	<0.001	<0.001
Total Cyanide	mg/L		< 0.005	< 0.005	< 0.005	< 0.005
Magnesium	mg/L		1.28	1.37	1.33	1.25
Potassium	mg/L		0.914	0.948	0.986	0.902
Sodium	mg/L		5.22	5.67	5.41	5.34
Sulphate	mg/L		4.8	4.3	3.7	4.5
Silica	mg/L		0.39	0.33	0.29	0.27
Nutrients and Chlorophyll a						
Nitrate	mg/L		< 0.1	< 0.1	< 0.1	< 0.1
Nitrite	mg/L		< 0.01	< 0.01	< 0.01	< 0.01
Nitrate + nitrite	mg/L		< 0.1	< 0.1	< 0.1	< 0.1
Total ammonia	mg/L		< 0.05	< 0.05	0.19	< 0.05
Total Kjeldahl nitrogen	mg/L		0.12	0.14	0.27	< 0.1
Total phosphorus	mg/L		< 0.02	< 0.02	< 0.02	< 0.02
Orthophosphate	mg/L		< 0.01	< 0.01	< 0.01	< 0.01
General Organics						
Total oil and grease	mg/L		< 0.5	0.6	-	-
Total Metals						
Aluminum	mg/L		6.64	0.0118	0.0098	0.0083
Antimony	mg/L		< 0.0005	< 0.0005	< 0.0005	< 0.0005
Arsenic	mg/L		0.00283	0.00042	0.00046	0.00043
Barium	mg/L		0.126	0.0082	0.0077	0.0079
Beryllium	mg/L		< 0.0001	< 0.0001	< 0.0001	< 0.0001
Boron	mg/L		0.156	< 0.05	< 0.05	< 0.05
Cadmium	mg/L		0.000028	< 0.00001	< 0.00001	< 0.00001
Calcium	mg/L		152	7.80	7.61	7.91
Chromium	mg/L		< 0.001	< 0.001	< 0.001	< 0.001
Copper	mg/L		0.00281	0.00079	0.00077	0.00076
Iron	mg/L		0.405	0.029	0.024	0.019
Lead	mg/L		0.00021	< 0.0002	< 0.0002	< 0.0002
Lithium	mg/L		0.145	< 0.002	< 0.002	< 0.002
Magnesium	mg/L		25.9	1.43	1.33	1.33
Manganese	mg/L		0.271	0.0048	0.0044	0.0045
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		0.0013	< 0.001	< 0.001	< 0.001
Nickel	mg/L		0.0033	< 0.001	< 0.001	< 0.001
Potassium	mg/L		13.9	0.949	1.00	0.974
Selenium	mg/L		0.00011	< 0.0001	< 0.0001	< 0.0001
Silver	mg/L		< 0.00002	< 0.00002	< 0.00002	< 0.00002
Sodium	mg/L		127	5.59	5.44	5.52
Strontium	mg/L		3.80	0.0494	0.0482	0.0488
Thallium	mg/L		0.000036	< 0.00001	< 0.00001	< 0.00001
Tin	mg/L		< 0.005	< 0.005	< 0.005	< 0.005
Titanium	mg/L		< 0.005	< 0.005	< 0.005	< 0.005
Uranium	mg/L		0.00098	< 0.0001	< 0.0001	< 0.0001
Vanadium	mg/L		< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L		0.0107	< 0.005	< 0.005	< 0.005
Dissolved Metals						
Aluminum	mg/L		0.0123	0.0077	0.0054	0.0060
Antimony	mg/L		< 0.0005	< 0.0005	< 0.0005	< 0.0005
Arsenic	mg/L		0.00031	0.00040	0.00040	0.00034
Barium	mg/L		0.0076	0.0078	0.0076	0.0075
Beryllium	mg/L		< 0.0001	< 0.0001	< 0.0001	< 0.0001
Boron	mg/L		< 0.05	< 0.05	< 0.05	< 0.05
Cadmium	mg/L		< 0.00001	< 0.00001	< 0.00001	< 0.00001
Chromium	mg/L		< 0.001	< 0.001	< 0.001	< 0.001
Copper	mg/L		0.00062	0.00076	0.00075	0.00073
Iron	mg/L		0.0092	0.0113	0.0074	0.0054
Lead	mg/L		< 0.0002	< 0.0002	< 0.0002	< 0.0002
Lithium	mg/L		< 0.002	< 0.002	< 0.002	< 0.002
Manganese	mg/L		0.0012	< 0.001	< 0.001	< 0.001
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.001	< 0.001	< 0.001	< 0.001
Nickel	mg/L		< 0.001	< 0.001	< 0.001	< 0.001
Selenium	mg/L		< 0.0001	< 0.0001	< 0.0001	< 0.0001
Silver	mg/L		< 0.00002	< 0.00002	< 0.00002	< 0.00002
Strontium	mg/L		0.0490	0.0512	0.0491	0.0471
Thallium	mg/L		< 0.00001	< 0.00001	< 0.00001	< 0.00001
Tin	mg/L		< 0.005	< 0.005	< 0.005	< 0.005
Titanium	mg/L		< 0.005	< 0.005	< 0.005	< 0.005
Uranium	mg/L		< 0.0001	< 0.0001	< 0.0001	< 0.0001
Vanadium	mg/L		< 0.005	< 0.005	< 0.005	< 0.005
Zinc	mg/L		< 0.005	< 0.005	< 0.005	< 0.005
Volatile Organics						
Benzene	mg/L		< 0.0002	< 0.0002	< 0.0002	< 0.0002
Ethylbenzene	mg/L		< 0.0002	< 0.0002	< 0.0002	< 0.0002
Toluene	mg/L		< 0.0002	< 0.0002	< 0.0002	< 0.0002
Xylenes	mg/L		< 0.0004	< 0.0004	< 0.0004	< 0.0004
m,p-Xylenes	mg/L		< 0.0004	< 0.0004	< 0.0004	< 0.0004
o-Xylene	mg/L		< 0.0002	< 0.0002	< 0.0002	< 0.0002
F1 (C6-C10)-BTX	mg/L		< 0.025	< 0.025	< 0.025	< 0.025
F1 (C6-C10)	mg/L		< 0.025	< 0.025	< 0.025	< 0.025
F2 (C10-C16)	mg/L		< 0.1	< 0.1	< 0.1	< 0.1
F3 (C16-C34)	mg/L		< 0.2	< 0.2	< 0.2	< 0.2
F4 (C34-C50)	mg/L		< 0.2	< 0.2	< 0.2	< 0.2
Reached baseline at C50	-		YES	YES	YES	YES
1,4-Difluorobenzene	%		104	99	96	100
4-Bromofluorobenzene	%		99	99	112	96
D10-Ethylbenzene	%		121	93	101	100
D4-1,2-Dichloroethane	%		109	96	94	109
o-Terphenyl	%		91	93	99	97
Radionuclides						
Radium-226	Bq/l		< 0.005	< 0.005	< 0.005	< 0.005

MEL-14 Parameters	MEL-14 MAX GRAB	MEL-14 MAX MEAN	MDMER MAX GRAB	MDMER MAX MONTHLY	Sample Date Units	6/24/2018	7/1/2018	7/10/2018	7/15/2018	7/23/2018	7/29/2018	8/5/2018	8/13/2018	8/19/2018	8/26/2018	9/3/2018
Field Parameters																
pH					pH units	7.46	7.35	7.86	-	7.16	8.08	7.84	7.22	7.8	7.49	7.01
Specific conductivity					umhos/cm	1646	1510	1489	1654	1605	1420	1734	1925	2210	1527	1998
Temperature					Celsius	4.8	10.4	14.1	18.9	17.7	15	11.5	9.2	8.8	14.2	10
Conventional Parameters																
pH	6 - 9.5	6 - 9.5	6 - 9.5	6 - 9.5	pH units	7.59	7.11	7.51	7.32	7.34	7.00	7.26	7.37	7.18	6.80	7.08
Specific conductivity					umhos/cm	1500	1600	1700	1700	1800	1900	1900	2100	2300	1500	2400
Hardness, as CaCO3					mg/L	390	400	410	407	344	482	519	491	557	57.1	544
Dissolved hardness, as CaCO3					mg/L	372	398	416	419	462	470	504	478	565	59.2	510
Total suspended solids	30	15	30	15	mg/L	5	10	5	9	21	8	8	10	11	< 1	14
Total dissolved solids	1400	1400			mg/L	1200	930	1030	1020	1070	1180	1144	1260	1430	870	1360
Total organic carbon					mg/L	7.5	5.9	6.4	6.7	13	8.9	8.4	9.1	12	< 0.50	9.1
Dissolved organic carbon					mg/L	8.1	4.8	5.7	5.6	7.4	7.3	7.3	8.9	11	< 0.50	7.0
Turbidity					NTU	2.5	0.7	0.3	0.7	1.6	0.9	0.3	0.5	1.0	< 0.1	0.4
Major Ions																
Bicarbonate, as CaCO3					mg/L	51	34	47	42	38	27	32	33	37	6.2	15
Calcium					mg/L	118	125	-	130	145	144	156	147	173	17.2	156
Carbonate, as CaCO3					mg/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloride					mg/L	300	400	420	440	400	500	530	590	660	400	660
Cyanide	1.0	0.5	2	1	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Magnesium					mg/L	19.1	21.0	-	22.8	24.3	26.8	27.8	26.6	32.2	3.96	29.1
Potassium					mg/L	10.1	10.9	-	12.2	13.8	13.7	14.6	14.2	16.6	14.0	17.4
Sodium					mg/L	94.1	101	-	117	124	136	144	144	165	236	189
Sulphate					mg/L	38	49	51	51	43	48	53	54	60	7.2	53
Silica					mg/L	0.92	0.28	0.071	0.21	0.21	0.45	0.58	0.96	1.3	0.078	1.2
Nutrients and Chlorophyll a																
Nitrate					mg/L	5.29	5.52	5.31	5.03	4.48	3.65	2.95	3.18	3.69	15.3	5.74
Nitrite					mg/L	0.116	0.092	0.124	0.176	0.304	0.216	0.129	0.242	0.362	0.191	0.331
Nitrate + nitrite					mg/L	5.4	5.61	5.43	5.21	4.78	3.87	3.08	3.42	4.06	15.5	6.07
Total ammonia	18	14			mg/L	3.1	2.6	2.2	1.8	0.47	0.095	0.30	0.88	0.80	4.1	0.91
Total Kjeldahl nitrogen					mg/L	3.4	2.8	3.2	2.1	1.2	0.88	1.3	1.4	3.6	1.3	1.3
Total phosphorus	4.0	2.0			mg/L	0.091	0.034	0.022	0.032	0.099	0.037	< 0.020	< 0.020	0.037	0.021	0.023
Orthophosphate					mg/L	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
General Organics																
Total oil and grease					mg/L	-	1.3	< 0.50	1.0	1.8	< 0.50	< 0.50	1.2	< 0.50	-	-
Total Metals																
Aluminum	3	2			mg/L	0.134	1.22	0.518	1.23	4.39	0.811	0.784	0.705	1.03	0.0050	1.32
Antimony					mg/L	< 0.00050	< 0.00050	-	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	0.6	0.3	1	0.5	mg/L	0.00205	0.00110	-	0.00129	0.00178	0.00185	0.00210	0.00225	0.00295	0.00028	0.00237
Barium					mg/L	0.0997	0.0979	-	0.0991	0.0830	0.123	0.124	0.133	0.160	0.0043	0.150
Beryllium					mg/L	< 0.00010	< 0.00010	-	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Bismuth					mg/L	-	-	-	-	-	-	-	-	-	-	< 0.0010
Boron					mg/L	0.1	0.100	-	0.157	0.094	0.135	0.154	0.191	0.190	0.770	0.325
Cadmium					mg/L	0.000032	0.000024	-	0.000015	0.000020	< 0.000010	< 0.000010	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Calcium					mg/L	122	126	-	128	109	152	156	151	171	16.5	168
Chromium					mg/L	< 0.001	< 0.0010	-	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cobalt					mg/L	-	-	-	-	-	-	-	-	-	-	0.00066
Copper	0.4	0.2	0.6	0.3	mg/L	0.00225	0.00129	-	0.00130	0.00207	0.00104	0.00112	0.00085	0.00099	< 0.00050	0.00062
Iron					mg/L	0.374	0.118	-	0.090	0.293	0.083	0.079	0.134	0.260	< 0.010	0.153
Lead	0.4	0.2	0.4	0.2	mg/L	0.0003	0.00033	-	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.00022	< 0.00020	< 0.00020	< 0.00020
Lithium					mg/L	0.11	0.113	-	0.118	0.0917	0.116	0.144	0.138	0.159	0.133	0.157
Magnesium					mg/L	20.7	20.8	-	21.3	17.6	24.5	31.5	27.8	31.4	38.6	30.2
Manganese					mg/L	0.14	0.209	-	0.0609	0.136	0.237	0.406	0.281	0.024	0.153	0.19
Mercury					mg/L	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum					mg/L	< 0.0010	< 0.0010	-	< 0.0010	< 0.0010	0.0014	0.0018	0.0018	0.0022	< 0.0010	0.0014
Nickel	1.0	0.5	1	0.5	mg/L	0.0031	0.0025	-	0.0022	0.0025	0.0023	0.0028	0.0030	0.0034	< 0.0010	0.0027
Potassium					mg/L	10.7	10.8	-	11.5	9.56	13.5	14.9	14.5	16.7	13.2	18.5
Selenium					mg/L	< 0.00010	< 0.00010	-	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Silicon					mg/L	< 0.000020	< 0.000020	-	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Silver					mg/L	100	104	-	111	85.3	120	154	145	161	229	194
Sodium					mg/L	2.41	2.41	-	2.36	2.18	2.59	3.12	3.53	3.97	4.01	4.06
Strontium					mg/L	0.000022	0.000026	-	0.000035	0.000022	0.000033	< 0.000010	< 0.000010	< 0.000010	0.000020	0.000015
Thallium					mg/L	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Tin					mg/L	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Titanium					mg/L	0.00058	0.00011	-	0.00020	0.00064	0.00020	0.00018	0.00018	0.00018	0.00018	0.00018
Uranium					mg/L	< 0.0050	< 0.0050	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Vanadium					mg/L	0.0075	0.0054	-	< 0.0050	0.0086	< 0.0050	< 0.0050	0.0085	0.0067	< 0.0050	< 0.0050
Zinc	0.8	0.4	1	0.5	mg/L	-	-	-	-	-	-	-	-	-	-	< 0.00010
Zirconium					mg/L	-	-	-	-	-	-	-	-	-	-	< 0.00010
Dissolved Metals																
Aluminum					mg/L	0.0104	0.0174	-	0.0835	0.0994	0.0908	0.22	0.0561	0.0568	0.0043	0.0233
Antimony					mg/L	< 0.00050	< 0.00050	-	< 0.00050	< 0.00050	< 0.00050	< 0.025	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic					mg/L	0.00138	0.00088	-	0.00122	0.00156	0.00178	< 0.0050	0.00207	0.00274	0.00029	0.00202
Barium					mg/L	0.0888	0.0977	-	0.0933	0.114	0.120	0.126	0.129	0.140	0.0044	0.019
Beryllium					mg/L	< 0.00010	< 0.00010	-	< 0.00010	< 0.00010	< 0.00010	< 0.0050	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Bismuth					mg/L	-	-	-	-	-	-	-	-	-	-	< 0.0010
Boron					mg/L	0.106	0.101	-	0.146	0.138	0.139	< 2.5	0.195	0.206	0.723	0.317
Cadmium					mg/L	0.000024	0.000021	-	0.000015	0.000010	< 0.000010	< 0.000050	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Chromium					mg/L	< 0.0010	< 0.0010	-	< 0.0010	< 0.0						

MEL-15 Parameters	Max Grab	Max Mean	Sample Date Units	7/23/2018	8/7/2018
Conventional Parameters					
pH		pH units		7.35	7.53
Specific conductivity		umhos/cm		97	98
Hardness		mg/L		172	38.9
Dissolved Hardness		mg/L		168	37.1
Total suspended solids		mg/L		2	< 1
Total dissolved solids		mg/L		40	50
Total organic carbon		mg/L		12	4.3
Dissolved organic carbon		mg/L		3.9	4.0
Turbidity		NTU		0.4	0.4
Major Ions					
Bicarbonate		mg CaCO3/L		33	35
Carbonate		mg CaCO3/L		< 1.0	< 1.0
Calcium		mg/L		56.2	12.6
Magnesium		mg/L		6.82	1.39
Potassium		mg/L		4.1	0.891
Sodium		mg/L		18.8	3.5
Dissolved Chloride		mg/L		7.5	6.9
Total Cyanide		mg/L		< 0.005	< 0.005
Free Cyanide		mg/L		<0.001	<0.001
Sulphate		mg/L		2.9	2.0
Reactive Silica		mg/L		1.4	0.70
Nutrients and Chlorophyll a					
Nitrate		mg/L		< 0.10	< 0.10
Nitrite		mg/L		< 0.010	< 0.010
Nitrate + nitrite		mg/L		< 0.10	< 0.10
Total ammonia		mg/L		< 0.050	< 0.050
Total Kjeldahl nitrogen		mg/L		0.47	0.22
Total phosphorus		mg/L		< 0.020	< 0.020
Orthophosphate		mg/L		< 0.010	< 0.010
Total Metals					
Aluminum		mg/L		0.004	0.0064
Antimony		mg/L		<0.0005	<0.0005
Arsenic		mg/L		0.00116	0.0091
Barium		mg/L		0.0478	0.011
Beryllium		mg/L		<0.0001	<0.0001
Bismuth		mg/L		-	<0.001
Boron		mg/L		<0.05	<0.05
Cadmium		mg/L		<0.00001	<0.00001
Chromium		mg/L		<0.001	<0.001
Copper		mg/L		0.00111	0.00053
Cobalt		mg/L		-	<0.002
Iron		mg/L		0.351	0.094
Lead		mg/L		<0.0002	<0.0002
Lithium		mg/L		0.027	<0.002
Manganese		mg/L		0.0573	0.007
Molybdenum		mg/L		<0.001	<0.001
Mercury		mg/L		0.00003	< 0.00001
Nickel		mg/L		0.0017	<0.001
Selenium		mg/L		<0.0001	<0.0001
Silver		mg/L		<0.00002	<0.00002
Silicon		mg/L		-	0.43
Strontium		mg/L		0.678	0.0654
Thallium		mg/L		<0.00001	<0.00001
Uranium		mg/L		0.00013	<0.0001
Vanadium		mg/L		<0.005	<0.005
Zinc		mg/L		<0.005	<0.005
Zirconium		mg/L		-	<0.0001
Calcium		mg/L		57.4	13.2
Magnesium		mg/L		7.02	1.43
Potassium		mg/L		4.25	0.928
Sodium		mg/L		19.3	3.46
Dissolved Metals					
Aluminum		mg/L		<0.003	0.00048
Antimony		mg/L		<0.0005	<0.0005
Arsenic		mg/L		0.0109	0.00087
Barium		mg/L		0.0448	0.0102
Beryllium		mg/L		<0.0001	<0.0001
Bismuth		mg/L		-	<0.001
Boron		mg/L		<0.05	<0.05
Cadmium		mg/L		<0.00001	<0.00001
Chromium		mg/L		<0.001	<0.001
Copper		mg/L		0.001	0.00053
Cobalt		mg/L		-	<0.0002
Iron		mg/L		0.224	0.0839
Lead		mg/L		<0.0002	<0.0002
Lithium		mg/L		0.0277	<0.002
Manganese		mg/L		0.044	0.0092
Molybdenum		mg/L		<0.001	<0.001
Mercury		mg/L		< 0.00001	< 0.00001
Nickel		mg/L		0.0015	<0.001
Selenium		mg/L		<0.0001	<0.0001
Silver		mg/L		<0.00002	<0.00002
Silicon		mg/L		-	0.36
Strontium		mg/L		0.668	0.0608
Thallium		mg/L		<0.00001	<0.00001
Uranium		mg/L		0.00012	<0.0001
Vanadium		mg/L		<0.005	<0.005
Zinc		mg/L		<0.005	<0.005
Zirconium		mg/L		-	<0.0001

MEL-16 Parameters		Sample Date Units	7/23/2018	8/7/2018
Field Parameters				
pH	pH units		8.46	8.46
Specific conductivity	uS/cm		0.0782	91.2
Temperature	C		19.1	13.4
Conventional Parameters				
pH	pH units		7.25	7.38
Specific conductivity	umhos/cm		87	91
Hardness	mg CaCO3/L		31.4	36.1
Dissolved hardness	mg CaCO3/L		32.2	33.1
Total suspended solids	mg/L		1	< 1
Total dissolved solids	mg/L		30	60
Total organic carbon	mg/L		3.8	4.1
Dissolved organic carbon	mg/L		3.7	3.8
Turbidity	NTU		0.4	0.5
Major Ions				
Alkalinity	mg CaCO3/L		25	27
Bicarbonate	mg CaCO3/L		25	27
Calcium	mg/L		10.7	11.0
Carbonate	mg CaCO3/L		< 1.0	< 1.0
Dissolved Chloride	mg/L		10	9.7
Free Cyanide	mg/L		<0.001	<0.001
Total Cyanide	mg/L		< 0.0050	< 0.0050
Magnesium	mg/L		1.34	1.36
Potassium	mg/L		0.919	0.970
Sodium	mg/L		2.28	2.43
Sulphate	mg/L		1.5	< 1.0
Silica	mg/L		0.21	0.23
Nutrients and Chlorophyll a				
Nitrate	mg/L		< 0.10	< 0.10
Nitrite	mg/L		< 0.010	< 0.010
Nitrate + nitrite	mg/L		< 0.10	< 0.10
Total ammonia	mg/L		< 0.050	< 0.050
Total Kjeldahl nitrogen	mg/L		0.18	0.23
Total phosphorus	mg/L		< 0.020	< 0.020
Orthophosphate	mg/L		< 0.010	< 0.010
Total Metals				
Aluminum	mg/L		0.0076	0.0108
Antimony	mg/L		< 0.0005	< 0.0005
Arsenic	mg/L		0.00106	0.00105
Barium	mg/L		0.0160	0.0172
Beryllium	mg/L		< 0.0001	< 0.0001
Bismuth	mg/L		-	<0.001
Boron	mg/L		< 0.05	< 0.05
Cadmium	mg/L		< 0.00001	< 0.00001
Calcium	mg/L		10.4	12.1
Chromium	mg/L		< 0.001	< 0.001
Copper	mg/L		0.00077	0.00075
Cobalt	mg/L		-	<0.0002
Iron	mg/L		0.096	0.083
Lead	mg/L		< 0.0002	< 0.0002
Lithium	mg/L		< 0.002	< 0.002
Magnesium	mg/L		1.31	1.41
Manganese	mg/L		0.0094	0.0072
Mercury	mg/L		< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.001	< 0.001
Nickel	mg/L		< 0.001	< 0.001
Potassium	mg/L		0.907	1.02
Selenium	mg/L		< 0.0001	< 0.0001
Silicon	mg/L		-	0.15
Silver	mg/L		< 0.00002	< 0.00002
Sodium	mg/L		2.25	2.43
Strontium	mg/L		0.0569	0.0651
Thallium	mg/L		< 0.00001	< 0.00001
Tin	mg/L		< 0.005	< 0.005
Titanium	mg/L		< 0.005	< 0.005
Uranium	mg/L		< 0.0001	< 0.0001
Vanadium	mg/L		< 0.005	< 0.005
Zinc	mg/L		< 0.005	< 0.005
Zirconium	mg/L		-	<0.0001
Dissolved Metals				
Aluminum	mg/L		0.0056	0.0057
Antimony	mg/L		<0.0005	<0.0005
Arsenic	mg/L		0.00096	0.00101
Barium	mg/L		0.0159	0.0161
Beryllium	mg/L		<0.0001	<0.0001
Boron	mg/L		< 0.05	< 0.05
Cadmium	mg/L		< 0.00001	< 0.00001
Chromium	mg/L		< 0.001	< 0.001
Copper	mg/L		0.00068	0.00069
Cobalt	mg/L		-	<0.0002
Iron	mg/L		0.0406	0.0744
Lead	mg/L		< 0.0002	< 0.0002
Lithium	mg/L		< 0.002	< 0.002
Manganese	mg/L		< 0.001	0.0073
Mercury	mg/L		< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.001	< 0.001
Nickel	mg/L		< 0.001	<0.001
Selenium	mg/L		< 0.0001	< 0.0001
Silver	mg/L		< 0.00002	< 0.00002
Silicon	mg/L		-	0.11
Strontium	mg/L		0.0590	0.0624
Thallium	mg/L		< 0.00001	< 0.00001
Tin	mg/L		< 0.005	< 0.005
Titanium	mg/L		< 0.005	< 0.005
Uranium	mg/L		< 0.0001	0.00015
Vanadium	mg/L		< 0.005	< 0.005
Zinc	mg/L		< 0.005	< 0.005
Zirconium	mg/L		-	<0.0001

MEL-17 Parameters		Sample Date Units	6/20/2018	7/23/2018	8/7/2018
Field Parameters					
pH	pH units		7.15	8.36	8.77
Specific conductivity	mS/cm		0.252	0.454	0.484
Temperature	C		9.4	19.4	13.0
Conventional Parameters					
pH	pH units		7.45	7.37	7.68
Specific conductivity	umhos/cm		250	97	560
Hardness	mg CaCO3/L		78.1	35.5	198
Dissolved hardness	mg CaCO3/L		77.8	35.9	181
Total suspended solids	mg/L		1	2	2
Total dissolved solids	mg/L		110	30	330
Total organic carbon	mg/L		5.6	3.9	13
Dissolved organic carbon	mg/L		5.2	3.9	12
Turbidity	NTU		0.3	0.4	0.9
Major Ions					
Alkalinity	mg CaCO3/L		28	34	61
Bicarbonate	mg CaCO3/L		28	34	61
Carbonate	mg CaCO3/L		< 1.0	< 1.0	< 1.0
Calcium	mg/L		25.7	12	66.2
Dissolved Chloride	mg/L		44	7.1	120
Free Cyanide	mg/L		<0.001	<0.001	<0.001
Total Cyanide	mg/L		< 0.0050	< 0.0050	< 0.0050
Magnesium	mg/L		3.42	1.37	7.96
Potassium	mg/L		2.01	0.837	4.64
Sodium	mg/L		10.5	3.25	20.9
Reactive Silica	mg/L		0.58	1.4	1.2
Sulphate	mg/L		8.1	2.6	12
Nutrients and Chlorophyll a					
Nitrate	mg/L		0.21	< 0.10	< 0.10
Nitrite	mg/L		< 0.010	< 0.010	< 0.010
Nitrate + nitrite	mg/L		0.21	< 0.10	< 0.10
Total ammonia	mg/L		< 0.050	< 0.050	< 0.050
Total Kjeldahl nitrogen	mg/L		0.36	0.26	0.63
Total phosphorus	mg/L		< 0.020	< 0.020	< 0.020
Orthophosphate	mg/L		< 0.010	< 0.010	< 0.010
Total Metals					
Aluminum	mg/L		0.0059	0.0041	0.0059
Antimony	mg/L		<0.0005	<0.0005	<0.0005
Arsenic	mg/L		0.00048	0.00095	0.00109
Barium	mg/L		0.0265	0.0113	0.0501
Beryllium	mg/L		<0.0001	<0.0001	<0.0001
Boron	mg/L		<0.05	<0.05	<0.05
Bismuth	mg/L				<0.001
Cadmium	mg/L		<0.00001	<0.00001	<0.00001
Chromium	mg/L		<0.001	<0.001	<0.001
Cobalt	mg/L		-	-	<0.002
Copper	mg/L		0.00071	0.00056	0.00095
Iron	mg/L		0.151	0.1088	0.325
Lead	mg/L		<0.0002	<0.0002	<0.0002
Lithium	mg/L		0.0124	<0.002	0.0303
Manganese	mg/L		0.0511	0.0124	0.023
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		<0.001	<0.001	<0.001
Nickel	mg/L		0.0013	<0.001	0.0018
Selenium	mg/L		<0.0001	<0.0001	<0.0001
Silver	mg/L		<0.00002	<0.00002	<0.00002
Strontium	mg/L		0.293	0.0613	0.735
Thallium	mg/L		<0.00001	<0.00001	<0.00001
Tin	mg/L		<0.005	<0.005	<0.005
Titanium	mg/L		<0.005	<0.005	<0.005
Uranium	mg/L		<0.0001	<0.0001	0.00016
Vanadium	mg/L		<0.005	<0.005	<0.005
Zinc	mg/L		<0.005	<0.005	<0.005
Zirconium	mg/L		-	-	<0.0001
Calcium	mg/L		25.7	12	66.2
Magnesium	mg/L		3.42	1.37	7.96
Potassium	mg/L		2.01	0.837	4.64
Sodium	mg/L		10.5	3.25	20.9
Dissolved Metals					
Aluminum	mg/L		0.0042	<0.003	0.004
Antimony	mg/L		<0.0005	<0.0005	<0.0005
Arsenic	mg/L		0.00046	0.00079	0.00104
Barium	mg/L		0.0265	0.0112	0.0455
Beryllium	mg/L		<0.0001	<0.0001	<0.0001
Boron	mg/L		<0.05	<0.05	<0.05
Bismuth	mg/L				<0.001
Cadmium	mg/L		<0.00001	<0.00001	<0.00001
Chromium	mg/L		<0.001	<0.001	<0.001
Cobalt	mg/L		-	-	<0.0002
Copper	mg/L		0.0007	0.0005	0.00087
Iron	mg/L		0.114	0.0519	0.309
Lead	mg/L		<0.0002	<0.0002	<0.0002
Lithium	mg/L		0.0124	<0.002	0.0303
Manganese	mg/L		0.0511	0.0214	0.023
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		<0.001	<0.001	<0.001
Nickel	mg/L		0.0013	<0.001	0.0018
Selenium	mg/L		<0.0001	<0.0001	<0.0001
Silver	mg/L		<0.00002	<0.00002	<0.00002
Strontium	mg/L		0.293	0.0613	0.735
Thallium	mg/L		<0.00001	<0.00001	<0.00001
Tin	mg/L		<0.005	<0.005	<0.005
Titanium	mg/L		<0.005	<0.005	<0.005
Uranium	mg/L		<0.0001	<0.0001	0.00016
Vanadium	mg/L		<0.005	<0.005	<0.005
Zirconium	mg/L		-	-	<0.0001
Zinc	mg/L		<0.005	<0.005	<0.005

MEL-18 Parameters	Sample Date Units	7/23/2018	8/7/2018
Field Parameters			
pH	pH units	8.45	8.77
Specific conductivity	ms/cm	1.054	0.494
Temperature	C	17.1	13.0
Conventional Parameters			
pH	pH units	7.25	7.53
Specific conductivity	umhos/cm	120	98
Hardness	mg CaCO3/L	41.1	49.4
Dissolved hardness	mg CaCO3/L	41.5	45.2
Total suspended solids	mg/L	3	<1
Total dissolved solids	mg/L	50	50
Total organic carbon	mg/L	3.8	3.8
Dissolved organic carbon	mg/L	3.5	3.6
Turbidity	NTU	0.5	0.6
Major Ions			
Alkalinity	mg CaCO3/L	27	35
Bicarbonate	mg CaCO3/L	27	30
Carbonate	mg CaCO3/L	< 1.0	< 1.0
Calcium	mg/L	13.8	15.0
Dissolved chloride	mg/L	17	6.9
Free Cyanide	mg/L	<0.0010	<0.0010
Total Cyanide	mg/L	< 0.0050	< 0.0050
Magnesium	mg/L	1.72	1.89
Potassium	mg/L	0.954	1.06
Sodium	mg/L	3.31	3.85
Dissolved sulphate	mg/L	3.9	2.0
Silica	mg/L	0.47	0.21
Nutrients and Chlorophyll a			
Nitrate	mg/L	< 0.10	< 0.10
Nitrite	mg/L	< 0.010	< 0.010
Nitrate + nitrite	mg/L	< 0.10	< 0.10
Total ammonia	mg/L	< 0.050	< 0.050
Total Kjeldahl nitrogen	mg/L	0.21	0.22
Total phosphorus	mg/L	< 0.020	< 0.020
Orthophosphate	mg/L	< 0.010	< 0.010
Total Metals			
Aluminum	mg/L	0.008	0.0111
Antimony	mg/L	<0.0005	<0.0005
Arsenic	mg/L	0.0022	0.0022
Barium	mg/L	0.0147	0.0156
Beryllium	mg/L	<0.0001	<0.0001
Bismuth	mg/L	-	<0.001
Boron	mg/L	<0.05	<0.05
Cadmium	mg/L	<0.00001	<0.00001
Chromium	mg/L	<0.001	<0.001
Cobalt	mg/L	-	<0.0002
Copper	mg/L	0.00064	0.00075
Iron	mg/L	0.124	0.172
Lead	mg/L	<0.0002	<0.0002
Lithium	mg/L	0.0063	0.0072
Manganese	mg/L	0.0145	0.0101
Mercury	mg/L	< 0.00001	< 0.00001
Molybdenum	mg/L	<0.001	<0.001
Nickel	mg/L	<0.001	<0.001
Selenium	mg/L	<0.0001	<0.0001
Silver	mg/L	<0.0002	<0.0002
Strontium	mg/L	0.107	0.121
Thallium	mg/L	<0.00001	<0.00001
Tin	mg/L	<0.005	<0.005
Titanium	mg/L	<0.005	<0.005
Uranium	mg/L	<0.0001	<0.0001
Vanadium	mg/L	<0.005	<0.005
Zinc	mg/L	<0.005	<0.005
Calcium	mg/L	13.7	16.5
Magnesium	mg/L	1.68	1.98
Potassium	mg/L	0.953	1.11
Sodium	mg/L	3.21	3.99
Dissolved Metals			
Aluminum	mg/L	<0.003	0.0096
Antimony	mg/L	<0.0005	<0.0005
Arsenic	mg/L	0.00168	0.00202
Barium	mg/L	0.0144	0.0141
Beryllium	mg/L	<0.0001	<0.0001
Bismuth	mg/L	-	<0.001
Boron	mg/L	<0.05	<0.05
Cadmium	mg/L	<0.00001	<0.00001
Chromium	mg/L	<0.001	<0.001
Cobalt	mg/L	-	<0.0002
Copper	mg/L	0.00056	0.00063
Iron	mg/L	0.0346	0.137
Lead	mg/L	<0.0002	<0.0002
Lithium	mg/L	0.0068	0.007
Manganese	mg/L	<0.001	0.0096
Mercury	mg/L	< 0.00001	< 0.00001
Molybdenum	mg/L	<0.001	<0.001
Nickel	mg/L	<0.001	<0.001
Selenium	mg/L	<0.0001	<0.0001
Silver	mg/L	<0.00002	<0.00002
Strontium	mg/L	0.108	0.116
Thallium	mg/L	<0.00001	<0.00001
Tin	mg/L	<0.005	<0.005
Titanium	mg/L	<0.005	<0.005
Uranium	mg/L	<0.0001	<0.0001
Vanadium	mg/L	<0.005	<0.005
Zinc	mg/L	<0.005	<0.005

MEL-20		Sample Date	6/24/2018	7/21/2018	8/12/2018	8/29/2018
Parameters		Units				
Field Parameters						
pH	pH units		8.32	9.44	8.31	8.62
Specific conductivity	uS/cm		177.3	230	265	271
Temperature	mg/L		12.5	17.2	8.1	8.2
Conventional Parameters						
pH	pH units		7.70	7.85	7.86	8.06
Specific conductivity	umhos/cm		180	240	260	290
Hardness	mg CaCO3/L		68.3	98.4	108	123
Dissolved Hardness	mg CaCO3/L		68.3	98.4	108	123
Total dissolved solids	mg/L		205	110	140	190
Total suspended solids	mg/L		2	2	10	3
Total organic carbon	mg/L		8.6	15	16	15
Dissolved organic carbon	mg/L		8.4	14	15	15
Turbidity	NTU		0.5	0.7	1.5	0.8
Major Ions						
Alkalinity	mg CaCO3/L		44	68	76	83
Bicarbonate	mg CaCO3/L		44	68	76	82
Calcium	mg/L		23.0	33.0	36.3	41.2
Carbonate	mg CaCO3/L		< 1.0	< 1.0	< 1.0	< 1.0
Dissolved Chloride	mg/L		-	22	22	24
WAD Cyanide (Free)	mg/L		< 0.0010	< 0.0010	< 0.0010	< 0.0010
Total Cyanide	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Magnesium	mg/L		2.60	3.91	4.25	4.80
Potassium	mg/L		1.75	2.31	2.16	2.34
Sodium	mg/L		4.18	5.81	6.14	6.61
Sulphate	mg/L		-	22	21	23
Silica	mg/L		0.78	1.2	1.4	0.66
Nutrients and Chlorophyll a						
Nitrate	mg/L		< 0.10	< 0.10	< 0.10	< 0.10
Nitrite	mg/L		< 0.010	< 0.010	< 0.010	< 0.010
Nitrate + nitrite	mg/L		< 0.10	< 0.10	< 0.10	< 0.10
Total ammonia	mg/L		< 0.050	< 0.050	< 0.050	< 0.050
Total Kjeldahl nitrogen	mg/L		0.40	0.57	0.88	0.81
Total phosphorus	mg/L		< 0.020	< 0.020	< 0.020	< 0.020
Orthophosphate	mg/L		< 0.010	< 0.010	< 0.010	< 0.010
General Organics						
Total oil and grease	mg/L		< 0.50	< 0.50	< 0.50	< 0.50
Total Metals						
Aluminum	mg/L		0.0152	0.0236	0.0359	0.0121
Antimony	mg/L		< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L		0.00119	0.00312	0.00338	0.00221
Barium	mg/L		0.0277	0.0357	0.0406	0.0361
Beryllium	mg/L		< 0.00010	< 0.00010	< 0.00010	< 0.00010
Boron	mg/L		< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	mg/L		< 0.000010	< 0.000010	< 0.000010	< 0.000010
Calcium	mg/L		24.0	31.7	36.1	38.4
Chromium	mg/L		< 0.0010	< 0.0010	< 0.0010	< 0.0010
Copper	mg/L		0.00163	0.00172	0.00138	0.00104
Iron	mg/L		0.118	0.194	0.577	0.200
Lead	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020
Lithium	mg/L		0.0057	0.0062	0.0064	0.0066
Magnesium	mg/L		2.71	3.79	4.54	4.44
Manganese	mg/L		0.0098	0.0116	0.0258	0.0070
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nickel	mg/L		0.0020	0.0020	0.0024	0.0020
Potassium	mg/L		1.84	2.25	2.28	2.19
Selenium	mg/L		< 0.00010	< 0.00010	< 0.00010	< 0.00010
Silver	mg/L		< 0.000020	< 0.000020	0.000048	< 0.000020
Sodium	mg/L		4.25	5.80	6.35	6.28
Strontium	mg/L		0.156	0.213	0.229	0.222
Thallium	mg/L		< 0.000010	< 0.000010	< 0.000010	< 0.000010
Tin	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Titanium	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Uranium	mg/L		< 0.00010	< 0.00010	0.00011	0.00012
Vanadium	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Zinc	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Dissolved Metals						
Aluminum	mg/L		0.0073	0.0165	0.0073	0.0081
Antimony	mg/L		< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L		0.00122	0.00306	0.00256	0.00206
Barium	mg/L		0.0257	0.0343	0.0371	0.0351
Beryllium	mg/L		< 0.00010	< 0.00010	< 0.00010	< 0.00010
Boron	mg/L		< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	mg/L		< 0.000010	< 0.000010	< 0.000010	< 0.000010
Chromium	mg/L		< 0.0010	< 0.0010	< 0.0010	< 0.0010
Copper	mg/L		0.00141	0.00159	0.00096	0.00112
Iron	mg/L		0.0708	0.134	0.138	0.0789
Lead	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020
Lithium	mg/L		0.0055	0.0068	0.0067	0.0063
Manganese	mg/L		0.0066	0.0051	0.0082	0.0021
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nickel	mg/L		0.0019	0.0020	0.0021	0.0021
Selenium	mg/L		< 0.00010	< 0.00010	< 0.00010	< 0.00010
Silver	mg/L		< 0.000020	< 0.000020	< 0.000020	< 0.000020
Strontium	mg/L		0.147	0.220	0.219	0.238
Thallium	mg/L		< 0.000010	< 0.000010	< 0.000010	< 0.000010
Tin	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Titanium	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Uranium	mg/L		< 0.00010	< 0.00010	< 0.00010	0.00011
Vanadium	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Zinc	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050
Volatile Organics						
Benzene	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020
Ethylbenzene	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020
Toluene	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020
Xylenes	mg/L		< 0.00040	< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes	mg/L		< 0.00040	< 0.00040	< 0.00040	< 0.00040
o-Xylene	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020
F1 (C6-C10)-BTEX	mg/L		-	-	< 0.025	< 0.025
F1 (C6-C10)	mg/L		-	-	< 0.025	< 0.025

MEL-21		Sample Date	6/24/2018	7/21/2018	8/12/2018	8/29/2018	9/26/2018
Parameters		Units					
Field Parameters							
pH	pH units		8.01	8.91	8.50	8.75	7.61
Specific conductivity	umhos/cm		501	741	838	846	1476
Temperature	C		11.00	15.00	8.40	9.00	0.60
Conventional Parameters							
pH	pH units		7.76	7.85	7.86	7.92	7.54
Specific conductivity	umhos/cm		500	800	840	910	1400
Hardness	mg CaCO3/L		-	283	304	338	543
Dissolved hardness	mg CaCO3/L		175	290	303	336	546
Total suspended solids	mg/L		8	3	53	8	110
Total dissolved solids	mg/L		675	525	605	590	885
Total organic carbon	mg/L		6.8	14	16	16	22
Dissolved organic carbon	mg/L		6.8	13	14	15	20
Turbidity	NTU		1.4	1.4	4.0	2.0	22
Major Ions							
Bicarbonate	mg CaCO3/L		37	69	72	77	160
Calcium	mg/L		59.1	96.8	101	112	181
Carbonate	mg CaCO3/L		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dissolved chloride	mg/L		-	170	180	180	330
WAD Cyanide (Free)	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Cyanide	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Magnesium	mg/L		6.66	11.8	12.2	14.0	23.0
Potassium	mg/L		3.16	4.91	4.79	5.25	6.86
Sodium	mg/L		11.5	20.6	21.0	23.9	32.10
Dissolved sulphate	mg/L		-	36	33	37	35
Reactive Silica	mg/L		0.65	0.90	1.4	0.36	5.6
Nutrients and Chlorophyll a							
Nitrate	mg/L		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nitrite	mg/L		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Nitrate + nitrite	mg/L		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total ammonia	mg/L		< 0.050	< 0.050	< 0.050	0.056	0.96
Total Kjeldahl nitrogen	mg/L		0.42	0.49	0.87	0.72	1.7
Total phosphorus	mg/L		< 0.020	< 0.020	0.038	< 0.020	0.039
Orthophosphate	mg/L		< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
General Organics							
Total oil and grease	mg/L		< 0.50	< 0.50	< 0.50	< 0.50	1.7
Total Metals							
Aluminum	mg/L		0.0834	0.0091	0.213	0.0287	0.489
Antimony	mg/L		< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L		0.00219	0.00253	0.00552	0.00321	0.0123
Barium	mg/L		0.0559	0.0792	0.0855	0.0870	0.157
Beryllium	mg/L		< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Boron	mg/L		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	mg/L		0.000012	< 0.000010	0.000012	< 0.000010	0.000016
Calcium	mg/L		60.1	94.3	101	113	-
Chromium	mg/L		< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.002
Copper	mg/L		0.00199	0.00156	0.00207	0.00133	0.00247
Iron	mg/L		0.546	0.183	1.52	0.451	4.26
Lead	mg/L		< 0.00020	< 0.00020	0.00040	< 0.00020	0.00053
Lithium	mg/L		0.0567	0.0614	0.0615	0.0686	0.0945
Magnesium	mg/L		7.21	11.6	12.7	13.4	-
Manganese	mg/L		0.119	0.0189	0.0600	0.0247	0.644
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.0010	< 0.0010	< 0.0010	0.0010	0.0031
Nickel	mg/L		0.0025	0.0026	0.0039	0.0034	0.0061
Potassium	mg/L		3.43	4.93	5.17	5.22	-
Selenium	mg/L		< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.00011
Silver	mg/L		0.000022	< 0.000020	0.000022	< 0.000020	< 0.000020
Sodium	mg/L		11.8	20.8	21.9	23.3	-
Strontium	mg/L		0.873	1.09	1.12	1.11	1.73
Thallium	mg/L		0.000016	< 0.000010	< 0.000010	< 0.000010	0.000015
Tin	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Titanium	mg/L		< 0.0050	< 0.0050	0.0118	< 0.0050	0.0368
Uranium	mg/L		< 0.00010	0.00017	0.00031	0.00041	0.00118
Vanadium	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Zinc	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Dissolved Metals							
Aluminum	mg/L		0.0067	0.0064	0.0093	0.0044	0.0031
Antimony	mg/L		< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L		0.00133	0.00237	0.00272	0.00220	0.00782
Barium	mg/L		0.0505	0.0786	0.0795	0.0772	0.15
Beryllium	mg/L		< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Boron	mg/L		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Cadmium	mg/L		< 0.000010	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Chromium	mg/L		< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Copper	mg/L		0.00101	0.00144	0.00089	0.00112	0.00051
Iron	mg/L		0.207	0.0939	0.188	0.0957	1.52
Lead	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Lithium	mg/L		0.0517	0.0628	0.0638	0.0657	0.0995
Manganese	mg/L		0.0898	0.0061	0.0154	0.0035	0.621
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0027
Nickel	mg/L		0.0024	0.0026	0.0031	0.0030	0.0046
Selenium	mg/L		< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Silver	mg/L		< 0.000020	< 0.000020	< 0.000020	< 0.000020	< 0.000020
Strontium	mg/L		0.809	1.14	1.08	1.12	1.76
Thallium	mg/L		0.000013	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Tin	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Titanium	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Uranium	mg/L		< 0.00010	0.00017	0.00029	0.00040	0.00107
Vanadium	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Zinc	mg/L		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Volatile Organics							
Benzene	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Ethylbenzene	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Toluene	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Xylenes	mg/L		< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes	mg/L		< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
o-Xylene	mg/L		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
F1 (C6-C10)-BTEX	mg/L		-	-	< 0.025	< 0.025	< 0.025
F1 (C6-C10)	mg/L		-	-	< 0.025	< 0.025	< 0.025
F2 (C10-C16)	mg/L		-	-	-	-	< 0.1
F3 (C16-C34)	mg/L		-	-	-	-	< 0.2
F4 (C34-C50)	mg/L		-	-	-	-	< 0.2
Reached baseline at C50	mg/L		-	-	-	-	YES

MEI-22 Parameters		Sample Date Units	6/4/2018	6/10/2018	6/13/2018	6/17/2018	6/24/2018	6/27/2018	7/1/2018	7/18/2018	7/29/2018	8/5/2018	8/19/2018	9/2/2018	9/17/2018
Field Parameters															
pH	pH units		8.03	7.95	8.01	8.18	-	8.45	8.48	8.56	8.17	8.16	8.13	7.94	7.40
Specific conductivity	umhos/cm		765	1845	2980	2960	2960	4550	4630	6460	8920	9280	1565	16520	-
Temperature	C		1.3	6.5	3.5	5.9	5.9	11.4	12.4	13.1	12.4	8.40	9.40	7.50	3.40
Conventional Parameters															
pH	pH units		7.43	7.54	7.43	7.54	7.66	7.63	7.62	7.56	7.57	7.35	7.47	7.47	7.27
Specific conductivity	umhos/cm		730	1800	3100	3100	4400	4700	5700	7000	11000	13000	18000	20000	-
Hardness	mg CaCO3/L		198	495	800	822	1090	1300	1530	2010	2990	29660	4030	4860	6040
Dissolved Hardness	mg CaCO3/L		197	484	-	62	1100	-	1500	1890	2670	3590	4290	4880	< 0
Total suspended solids	mg/L		9	8	8	7	8	6	8	11	21	25	14	21	25
Total dissolved solids	mg/L		465	1130	2060	1870	2130	2870	3270	4230	6620	7480	11200	12200	16300
Total organic carbon	mg/L		8.1	7.3	-	8.1	12	-	15	22	25	23	24	27	-
Dissolved organic carbon	mg/L		6.7	6.1	-	7.7	11	-	14	18	21	21	22	24	-
Turbidity	NTU		6.1	4.4	3.1	5	4.6	3.2	3.7	4.6	7.1	3.1	3.7	3.5	3.3
Major Ions															
Bicarbonate	mg CaCO3/L		32	37	50	48	61	64	72	74	76	77	79	86	-
Calcium	mg/L		64.4	153	-	18.2	340	-	473	576	807	1080	1220	1400	-
Carbonate	mg CaCO3/L		< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	-
Dissolved chloride	mg/L		150	440	820	830	1300	1400	1700	2100	3600	4300	6400	6600	9500
Cyanide	mg/L		< 0.005	< 0.005	-	< 0.005	-	-	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0082	< 0.005	0.015
Fluoride	mg/L		-	-	-	-	-	-	-	-	-	-	-	-	< 0.10
Magnesium	mg/L		8.74	24.8	-	4.06	60.6	-	78.2	109	159	216	303	339	-
Potassium	mg/L		4.65	11.3	-	9.02	29.1	-	35.9	48.2	67.8	95.6	116	134	-
Sodium	mg/L		42.6	123	-	17.2	320	-	412	565	906	1300	1930	2300	-
Sulphate	mg/L		42	82	120	120	190	190	230	250	350	390	570	630	810
Silica	mg/L		1.8	2.4	-	7.6	1	-	< 0.50	0.70	1.3	1.4	1.8	1.9	-
Nutrients and Chlorophyll a															
Nitrate	mg/L		1.64	5.84	-	10.1	13.3	-	17.1	17.4	27.0	36.1	45.7	-	83.1
Nitrite	mg/L		0.036	0.087	-	0.242	0.335	-	0.267	0.242	0.423	0.616	0.794	-	0.731
Nitrate + nitrite	mg/L		1.68	5.93	-	10.3	13.6	-	17.4	17.6	27.5	36.7	46.5	57.6	83.9
Total ammonia	mg/L		1.8	4.5	-	7.7	10.0	-	13	11	18	22	29	35	48
Total Kjeldahl nitrogen	mg/L		2	3.9	-	7.1	10	-	12	12	19	26	25	30	-
Total phosphorus	mg/L		0.034	0.027	-	0.026	0.02	-	0.023	0.037	0.047	0.034	0.044	0.048	0.046
Orthophosphate	mg/L		< 0.010	< 0.010	-	< 0.010	< 0.010	-	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
General Organics															
Total oil and grease	mg/L		< 0.5	< 0.5	-	< 0.5	< 0.5	-	1.5	2.7	< 0.50	0.60	< 0.50	1.9	-
Total Metals															
Aluminum	mg/L		0.241	0.263	-	0.249	0.105	-	0.083	0.050	0.047	0.047	0.042	0.039	0.064
Antimony	mg/L		< 0.0005	< 0.0005	-	< 0.001	< 0.0025	-	< 0.0025	< 0.0050	< 0.0025	< 0.0050	< 0.0050	< 0.005	< 0.010
Arsenic	mg/L		0.00341	0.0053	-	0.00559	0.00422	-	0.00437	0.0041	0.00488	0.0040	0.0054	0.0055	0.0064
Barium	mg/L		0.0337	0.0647	-	0.105	0.121	-	0.154	0.176	0.254	0.219	0.311	0.38	0.407
Beryllium	mg/L		< 0.0001	< 0.0001	-	< 0.0002	< 0.0005	-	< 0.00050	< 0.0010	< 0.00050	< 0.0010	< 0.0010	< 0.001	< 0.0020
Boron	mg/L		-	0.103	-	0.17	-	-	0.30	< 0.50	0.52	0.62	0.79	0.88	1.1
Cadmium	mg/L		0.000204	0.000551	-	0.000076	0.000068	-	0.000593	< 0.00010	0.00212	0.00017	0.00086	0.00059	0.00117
Calcium	mg/L		64.6	156	-	261	340	-	481	614	930	869	1150	1390	1650
Chromium	mg/L		0.0016	< 0.001	-	< 0.002	< 0.005	-	< 0.0050	< 0.010	< 0.0050	< 0.010	< 0.010	< 0.001	< 0.020
Copper	mg/L		0.00271	0.00322	-	0.0061	0.0029	-	0.0033	< 0.0050	0.0054	< 0.0050	0.0111	0.097	0.012
Iron	mg/L		0.419	0.542	-	0.473	0.249	-	0.230	0.25	0.219	0.21	0.36	0.24	0.26
Lead	mg/L		0.00046	0.00057	-	0.00048	< 0.001	-	< 0.0010	< 0.0020	< 0.0010	< 0.0020	< 0.0020	< 0.002	0.0049
Lithium	mg/L		0.0397	0.121	-	0.219	0.302	-	0.427	0.597	0.639	0.873	1.13	1.22	1.49
Magnesium	mg/L		8.9	25.7	-	41.5	58.1	-	79.7	116	163	193	278	340	465
Manganese	mg/L		0.177	0.269	-	0.208	0.0972	-	0.0866	0.141	0.173	0.189	0.286	0.23	0.966
Mercury	mg/L		< 0.00001	0.00001	-	< 0.00001	< 0.00001	-	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.001	< 0.001	-	< 0.002	< 0.005	-	< 0.0050	< 0.010	< 0.0050	< 0.010	< 0.010	< 0.001	< 0.020
Nickel	mg/L		0.003	0.0084	-	0.0109	0.0122	-	0.0141	0.017	0.0226	0.025	0.039	0.049	0.059
Potassium	mg/L		4.67	11.7	-	19.4	26.8	-	37.0	50.4	74.8	74.5	113	140	169
Selenium	mg/L		< 0.0001	0.00015	-	< 0.0002	< 0.0005	-	< 0.00050	< 0.0010	< 0.00050	< 0.0010	< 0.0010	< 0.001	< 0.0020
Silver	mg/L		-	-	-	-	-	-	< 0.00010	< 0.00020	< 0.00010	< 0.00020	< 0.00020	-	< 0.00040
Sodium	mg/L		42.5	121	-	219	306	-	416	596	888	1130	1860	2290	3030
Strontium	mg/L		1.08	3.14	-	5.53	7.87	-	10.4	14.5	20.6	21.0	29.6	38	46.3
Thallium	mg/L		0.00018	0.00035	-	0.000046	0.000066	-	0.000107	0.00013	0.000224	0.00022	0.00033	0.00035	0.00032
Tin	mg/L		< 0.005	< 0.005	-	< 0.01	< 0.025	-	< 0.025	< 0.050	< 0.025	< 0.050	< 0.050	< 0.025	< 0.10
Titanium	mg/L		0.0067	0.011	-	< 0.01	< 0.025	-	< 0.025	< 0.050	< 0.025	< 0.050	< 0.050	< 0.05	< 0.10
Uranium	mg/L		0.00029	0.00092	-	0.00147	0.00211	-	0.00335	0.0049	0.00704	0.0064	0.0090	0.0094	0.0105
Vanadium	mg/L		< 0.005	< 0.005	-	< 0.01	< 0.025	-	< 0.025	< 0.050	< 0.025	< 0.050	< 0.050	< 0.05	< 0.10
Zinc	mg/L		0.0056	0.0066	-	0.012	< 0.025	-	< 0.025	< 0.050	< 0.025	< 0.050	< 0.050	< 0.05	< 0.10
Dissolved Metals															
Aluminum	mg/L		0.0108	0.072	-	0.0066	< 0.015	-	0.021	0.032	< 0.015	0.034	< 0.030	< 0.03	-
Antimony	mg/L		< 0.0005	< 0.0005	-	< 0.0005	< 0.0025	-	< 0.0025	< 0.0025	< 0.0025	< 0.0050	< 0.0050	< 0.005	-
Arsenic	mg/L		0.00204	0.00209	-	0.00268	0.00274	-	0.00312	0.00358	0.00398	0.0041	0.0043	0.0044	-
Barium	mg/L		0.0327	0.0619	-	0.0447	0.124	-	0.154	0.170	0.230	0.274	0.317	0.338	-
Beryllium	mg/L		< 0.0001	< 0.0001	-	< 0.0001	< 0.0005	-	< 0.00050	0.00074	< 0.00050	< 0.0010	< 0.0010	< 0.001	-
Boron	mg/L		< 0.05	0.087	-	< 0.05	< 0.25	-	0.31	0.36	0.57	0.67	0.95	0.79	-
Cadmium	mg/L		0.000023	0.000049	-	< 0.00001	0.000058	-	0.000081	0.000151	0.000159	0.00024	0.00061	0.00061	-
Chromium	mg/L		< 0.001	< 0.001	-	< 0.001	< 0.005	-	< 0.0050	< 0.0050	< 0.0050	< 0.010	< 0.010	< 0.01	-
Copper	mg/L		0.00183	0.00197	-	0.0018	0.0024	-	0.0030	0.0039	0.0039	0.0042	0.0084	0.0092	-
Iron	mg/L		0.0258	0.0292	-	0.0281	0.036	-	0.057	0.089	0.055	0.056	< 0.050	0.057	-
Lead	mg/L		< 0.0002	< 0.0002	-	0.00042	< 0.001	-	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0020	< 0.002	-
Lithium	mg/L		0.0406	0.115	-	< 0.002	0.34	-	0.419	0.552	0.874	0.998	1.19	1.23	-
Manganese	mg/L		0.162	0.255	-	0.202	0.0897	-	0.0509	0.0605	0.0752	0.190	0.238	0.172	-
Mercury	mg/L		< 0.00001	0.00001	-	< 0.00001	< 0.00001	-	-	-	-	-	-	< 0.00001	-
Molybdenum	mg/L		< 0.001	< 0.001	-	<									

MEL-23		Sample Date	6/24/2018	7/21/2018	8/29/2018
Parameters		Units			
Field Parameters					
pH	pH units		8.25	9.43	8.6
Specific conductivity	umhos/cm		146.3	261	350
Temperature	C		9.5	19.3	8.6
Conventional Parameters					
pH	pH units		7.38	7.57	7.92
Specific conductivity	umhos/cm		140	280	380
Hardness	mg CaCO3/L		43.3	79.9	104
Dissolved hardness	mg CaCO3/L		41.3	79.3	107
Total dissolved solids	mg/L		220	115	280
Total suspended solids	mg/L		2	3	2
Total organic carbon	mg/L		6.5	13	15
Dissolved organic carbon	mg/L		5.9	12	15
Turbidity	NTU		0.6	0.7	0.6
Major Ions					
Bicarbonate	mg CaCO3/L		27	46	58
Calcium	mg/L		12	22.7	30.8
Carbonate	mg CaCO3/L		<1.0	<1.0	<1.0
Chloride	mg/L		24	48	73
WAD Cyanide (Free)	mg/L		< 0.0010	< 0.0010	< 0.0010
Total Cyanide	mg/L		< 0.0050	< 0.0050	< 0.0050
Magnesium	mg/L		2.74	5.48	7.33
Potassium	mg/L		1.02	1.93	2.48
Sodium	mg/L		8.12	18.1	24.9
Sulphate	mg/L		1.2	3.3	6.4
Silica	mg/L		0.13	0.27	0.15
Nutrients and Chlorophyll a					
Nitrate	mg/L		< 0.10	< 0.10	< 0.10
Nitrite	mg/L		< 0.010	< 0.010	< 0.010
Nitrate + nitrite	mg/L		< 0.10	< 0.10	< 0.10
Total ammonia	mg/L		0.093	< 0.050	< 0.050
Total Kjeldahl nitrogen	mg/L		0.41	0.45	0.73
Total phosphorus	mg/L		< 0.020	0.024	< 0.020
Orthophosphate	mg/L		< 0.010	< 0.010	< 0.010
General Organics					
Total oil and grease	mg/L		< 0.50	< 0.50	< 0.50
Total Metals					
Aluminum	mg/L		0.0101	0.0118	0.0087
Antimony	mg/L		< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L		0.00152	0.00250	0.00184
Barium	mg/L		0.0163	0.0250	0.0287
Beryllium	mg/L		< 0.00010	< 0.00010	< 0.00010
Boron	mg/L		< 0.050	< 0.050	< 0.050
Cadmium	mg/L		< 0.000010	< 0.000010	< 0.000010
Calcium	mg/L		12.4	22.9	30.1
Chromium	mg/L		< 0.0010	< 0.0010	< 0.0010
Copper	mg/L		0.00054	0.00117	0.00097
Iron	mg/L		0.4	0.180	0.151
Lead	mg/L		< 0.00020	< 0.00020	< 0.00020
Lithium	mg/L		< 0.0020	0.0036	0.0049
Magnesium	mg/L		3.00	5.52	7.04
Manganese	mg/L		0.0345	0.0140	0.0057
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.0010	< 0.0010	< 0.0010
Nickel	mg/L		< 0.001	0.0014	0.0019
Potassium	mg/L		1.03	1.99	2.39
Selenium	mg/L		< 0.00010	< 0.00010	< 0.00010
Silver	mg/L		< 0.000020	< 0.000020	< 0.000020
Sodium	mg/L		8.36	18.4	24.4
Strontium	mg/L		0.0766	0.146	0.180
Thallium	mg/L		< 0.000010	< 0.000010	< 0.000010
Tin	mg/L		< 0.0050	< 0.0050	< 0.0050
Titanium	mg/L		< 0.0050	< 0.0050	< 0.0050
Uranium	mg/L		< 0.00010	< 0.00010	< 0.00010
Vanadium	mg/L		< 0.0050	< 0.0050	< 0.0050
Zinc	mg/L		< 0.0050	< 0.0050	< 0.0050
Dissolved Metals					
Aluminum	mg/L		0.0032	0.0078	0.0067
Antimony	mg/L		< 0.00050	< 0.00050	< 0.00050
Arsenic	mg/L		0.0012	0.00218	0.00165
Barium	mg/L		0.0155	0.0237	0.0274
Beryllium	mg/L		< 0.00010	< 0.00010	< 0.00010
Boron	mg/L		< 0.050	< 0.050	< 0.050
Cadmium	mg/L		< 0.000010	< 0.000010	< 0.000010
Chromium	mg/L		< 0.0010	< 0.0010	< 0.0010
Copper	mg/L		0.00039	0.00117	0.00097
Iron	mg/L		0.284	0.0983	0.0799
Lead	mg/L		< 0.00020	< 0.00020	< 0.00020
Lithium	mg/L		< 0.002	0.0037	0.0044
Manganese	mg/L		0.024	0.0057	0.0027
Mercury	mg/L		< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L		< 0.0010	< 0.0010	< 0.0010
Nickel	mg/L		< 0.0010	0.0013	0.0019
Selenium	mg/L		< 0.00010	< 0.00010	< 0.00010
Silver	mg/L		< 0.000020	< 0.000020	< 0.000020
Strontium	mg/L		0.0717	0.148	0.180
Thallium	mg/L		< 0.000010	< 0.000010	< 0.000010
Tin	mg/L		< 0.0050	< 0.0050	< 0.0050
Titanium	mg/L		< 0.0050	< 0.0050	< 0.0050
Uranium	mg/L		< 0.00010	< 0.00010	< 0.00010
Vanadium	mg/L		< 0.0050	< 0.0050	< 0.0050
Zinc	mg/L		< 0.0050	< 0.0050	< 0.0050
Volatile Organics					
Benzene	mg/L		< 0.00020	< 0.00020	< 0.00020
Ethylbenzene	mg/L		< 0.00020	< 0.00020	< 0.00020
Toluene	mg/L		< 0.00020	< 0.00020	< 0.00020
Xylenes	mg/L		< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes	mg/L		< 0.00040	< 0.00040	< 0.00040
o-Xylene	mg/L		< 0.00020	< 0.00020	< 0.00020
F1 (C6-C10)-BTX	mg/L		-	-	< 0.025
F1 (C6-C10)	mg/L		-	-	< 0.025

MEL-24 Parameters	Sample Date Units	9/2/2018
Conventional Parameters		
pH	pH units	7.44
Specific conductivity	umhos/cm	3900
Hardness	mg CaCO3/L	1460
Total suspended solids	mg/L	64
Total dissolved solids	mg/L	2810
Turbidity	NTU	23
Major Ions		
Alkalinity	mg CaCO3/L	370
Dissolved chloride	mg/L	810
Cyanide	mg/L	< 0.0050
Free cyanide	mg/L	0.0022
Fluoride	mg/L	< 0.10
Dissolved sulphate	mg/L	440
Nutrients and Chlorophyll a		
Nitrate	mg/L	< 0.10
Nitrite	mg/L	< 0.010
Nitrate + nitrite	mg/L	< 0.10
Total ammonia	mg/L	12
Total phosphorus	mg/L	0.22
Orthophosphate	mg/L	0.026
Total Metals		
Aluminum	mg/L	0.169
Antimony	mg/L	0.0136
Arsenic	mg/L	0.137
Barium	mg/L	0.478
Beryllium	mg/L	< 0.00050
Boron	mg/L	0.54
Cadmium	mg/L	0.000086
Calcium	mg/L	515
Chromium	mg/L	0.0054
Copper	mg/L	0.0103
Iron	mg/L	6.29
Lead	mg/L	< 0.0010
Lithium	mg/L	0.282
Magnesium	mg/L	41.4
Manganese	mg/L	18.0
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	0.0118
Nickel	mg/L	0.0173
Potassium	mg/L	101
Selenium	mg/L	< 0.00050
Silver	mg/L	< 0.00010
Sodium	mg/L	208
Strontium	mg/L	6.57
Thallium	mg/L	< 0.000050
Tin	mg/L	< 0.025
Titanium	mg/L	< 0.025
Uranium	mg/L	0.00459
Vanadium	mg/L	< 0.025
Zinc	mg/L	< 0.025

MEL-25 Parameters	MAX GRAB	MAX MEAN	Sample Date Units	5/24/2018	6/3/2018	6/9/2018	6/10/2018	6/17/2018	6/27/2018	6/29/2018	8/15/2018	8/31/2018	9/7/2018
Conventional Parameters													
pH	6 - 9.5	6 - 9.5	pH units	8.7	8.19	7.84	8.2	8.18	7.18	8.14	8.11	8.43	8.28
Hardness, as CaCO3			mg/L	-	-	31.8	30.7	-	-	-	56.9	136	135
Total suspended solids	30	15	mg/L	53	250	-	16	5	40	2	5	1	2
Total dissolved solids			mg/L								685	-	-
Turbidity			NTU								16	-	-
Major Ions													
Alkalinity			mg/L	-	-	-	-	-	-	-	120	-	-
Dissolved Chloride			mg/L	-	-	-	-	-	-	-	63	-	-
Cyanide			mg/L								< 0.0050	-	-
Fluoride			mg/L		-	-	-	-	-	-	0.65	-	-
Sulphate			mg/L								270	-	-
Nutrients and Chlorophyll a													
Nitrate			mg/L	-	-						14.4	-	-
Nitrite			mg/L	-	-						0.056	-	-
Nitrate + nitrite			mg/L								14.4	-	-
Total ammonia			mg/L	-	0.68	0.38	0.5	0.47	0.45	0.58	< 0.050	< 0.050	60
Total phosphorus			mg/L	-	0.11		-	-	-	-	< 0.020	-	-
Orthophosphate			mg/L	-							< 0.010	-	-
General Organics													
Total oil and grease	5	5	mg/L	0.5	-	-	-	-	-	-	0.70	-	-
Total Metals													
Aluminum			mg/L	-	13	-	-	-	-	0.177	0.460	0.123	0.0895
Antimony			mg/L	-	< 0.00050	-	-	-	-	0.0004	< 0.00050	0.00078	0.00080
Arsenic			mg/L	-	0.0018	0.00052	0.00067	< 0.0010	< 0.0010	< 0.0010	0.00072	0.00120	0.00111
Barium			mg/L	-	0.036	-	-	-	-	0.0125	0.0137	0.0335	0.0339
Beryllium			mg/L	-	< 0.00050	-	-	-	-	< 0.0005	< 0.00010	< 0.00010	< 0.00010
Boron			mg/L	-	0.056	-	-	-	-	0.05	0.126	0.295	0.359
Cadmium			mg/L	-	< 0.00010	-	-	-	-	< 0.00002	< 0.000010	< 0.000010	< 0.000010
Calcium			mg/L	-	14	-	-	-	-	11.3	11.1	28.0	27.9
Chromium			mg/L	-	0.17	-	-	-	-	< 0.0006	0.0055	0.0011	< 0.0010
Cobalt			mg/L	-	0.018	-	-	-	-	< 0.0005	0.00318		
Copper			mg/L	-	0.05	0.00834	0.00808	0.0053	0.0019	0.0015	0.705	0.00429	0.00459
Iron			mg/L	-	24					0.08	< 0.0002	0.160	0.053
Lead	0.1	0.1	mg/L	0.0015	0.0033	0.00072	0.00066	< 0.00050	< 0.00050	< 0.00050	< 0.00020	0.00032	< 0.00020
Lithium			mg/L	-	-	-	-	-	-	-	< 0.0020	0.0022	0.0024
Magnesium			mg/L	-	16	-	-	-	-	3.86	7.08	16.0	16.0
Manganese			mg/L	-	0.38	-	-	-	-	0.0128	0.0156	0.0068	0.0023
Mercury			mg/L	-	-	-	-	-	-	-	< 0.00001	-	-
Molybdenum			mg/L	-	0.003	-	-	-	-	0.0042	0.0063	0.0144	0.0155
Nickel			mg/L	-	0.064	0.0084	0.0077	0.0056	0.0027	0.0023	0.0041	0.0042	0.0033
Potassium			mg/L	-	5.5	-	-	-	-	5.86	8.69	20.7	20.2
Selenium			mg/L	-	< 0.0020	-	-	-	-	< 0.001	0.00106	0.00214	0.00214
Silicon			mg/L	-	22	-	-	-	-	2.70			
Silver			mg/L	-	< 0.00010	-	-	-	-	< 0.0001	< 0.000020	< 0.000020	< 0.000020
Sodium			mg/L	-	52	-	-	-	-	76	81.5	193	189
Strontium			mg/L	-	0.03	-	-	-	-	-	0.0552	0.142	0.139
Thallium			mg/L	-	< 0.000050	-	-	-	-	-	0.000017	0.000038	0.000030
Tin			mg/L	-	< 0.0010	-	-	-	-	< 0.001	< 0.0050	< 0.0050	< 0.0050
Titanium			mg/L	-	0.58	-	-	-	-	0.001	0.0121	0.0056	< 0.0050
Uranium			mg/L	-	0.0002	-	-	-	-	< 0.001	0.00085	0.00221	0.00223
Vanadium			mg/L	-	0.039	-	-	-	-	0.001	< 0.0050	< 0.0050	< 0.0050
Zinc			mg/L	-	0.044	-	-	-	-	0.002	< 0.0050	< 0.0050	< 0.0050
Volatile Organics													
Benzene	0.37	0.37	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Ethylbenzene	0.09	0.09	mg/L	< 0.00020	< 0.00020	0.00054	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Toluene	0.02	0.02	mg/L	< 0.00020	< 0.00020	0.0015	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.00029	0.00027	< 0.00020
Xylenes			mg/L	< 0.00040	< 0.00020	0.00074	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00040	< 0.00020	< 0.00040
m,p-Xylenes			mg/L	< 0.00040	< 0.00020	0.00046	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00040	< 0.00020	< 0.00040
o-Xylene			mg/L	< 0.00020	< 0.00020	0.00028	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Styrene			mg/L	-	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	-	< 0.00050	-
F1 (C6-C10)-BTX			mg/L	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
F1 (C6-C10)			mg/L	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
F2 (C10-C16)			mg/L	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
F3 (C16-C34)			mg/L	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
F4 (C34-C50)			mg/L	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Reached baseline at C50			mg/L	-	-	-	-	-	-	-	YES	YES	YES
Methyl tert-butyl ether			mg/L	-	-	-	-	-	-	-	-	< 0.00050	-