

DEPARTMENT OF PUBLIC WORKS
MONTEBELLO WATER QUALITY LABORATORY
Office of Compliance and Laboratories

MINERAL ANALYSES FORM

2019

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
pH, Units	7.88	7.60	7.93	7.69	7.74	7.94	7.91	8.08	7.89	7.87	7.99	7.87	7.87	7.60	8.08
ALKALINITY, mg/L	52	50	50	50	53	57	58	59	63	67	68	67	58	49.50	67.50
VOL.SOLIDS OR L.O.I.*	35.7	83.8	59.6	84.6	58.0	61.9	51.3	61.3	57.6	61.9	39.5	96.9	62.7	35.70	96.90
TOTAL SOLIDS, mg/L	124.6	207.0	206.0	230.0	209.8	208.0	184.9	199.8	191.4	165.8	164.7	244.4	194.7	124.60	244.40
TURBIDITY, NTU	0.08	0.09	0.09	0.06	0.09	0.09	0.09	0.06	0.12	0.08	0.10	0.09	0.08	0.06	0.12
HARDNESS, mg/L	93	95	98	94	99	102	107	100	107	108	114	112	102	92.70	113.80
CALCIUM, mg/L	24.2	24.4	25.4	25.1	26.1	27.2	27.8	25.6	27.5	31.5	31.3	29.1	27.1	24.20	31.50
MAGNESIUM, mg/L	6.55	7.31	7.69	7.10	7.28	7.40	7.20	6.95	8.16	8.89	8.98	8.36	7.66	6.55	8.98
SILICA, mg/L	8.96	7.90	8.66	8.15	7.58	6.18	7.93	8.21	8.12	8.07	7.15	7.21	7.84	6.18	8.96
ALUMINUM, mg/L	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.00	0.00
SODIUM, mg/L	14.3	24.4	32.8	22.5	19.6	17.8	17.6	15.7	16.4	19.6	17.7	17.3	19.6	14.30	32.80
POTASSIUM, mg/L	1.67	1.83	1.72	1.37	1.17	1.14	2.23	2.37	2.17	2.59	2.38	2.76	1.95	1.14	2.76
NITRATES, mg/L	2.22	2.37	2.53	2.42	2.41	2.31	2.15	1.61	1.45	1.20	1.06	1.32	1.92	1.06	2.53
NITRITES, mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SULFATES, mg/L	20.8	21.2	17.2	17.3	18.5	19.9	18.0	17.7	16.5	18.7	16.3	16.6	18.2	16.26	21.20
CHLORIDES, mg/L	34	44	65	51	46	43	45	40	42	46	46	45	46	34.20	65.42
FLUORIDE, mg/L	0.77	0.71	0.77	0.72	0.73	0.68	0.73	0.75	0.74	0.73	0.64	0.68	0.72	0.64	0.77
IRON, mg/L	0.01	0.02	0.02	<0.01	<0.01	0.01	0.02	0.01	0.02	0.01	<0.01	0.01	0.01	0.01	0.02
MANGANESE, mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
PHOSPHATE, mg/L	<0.01	0.01	<0.01	<0.01	0.01	0.02	<0.01	0.01	0.01	<0.01	<0.01	<0.01	0.01	0.01	0.02
CONDUCTIVITY**, µS	282	316	369	329	317	294	309	285	315	305	334	325	315	282.00	369.00
RAW TEMP., °F	50.0	40.6	43.4	51.8	56.8	61.8	67.0	70.1	70.1	65.7	55.6	46.9	56.7	40.60	70.10

COLOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.00	1.00
AMMONIA, mg/L	0.01	0.01	<0.01	<0.01	0.01	0.01	<0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

* - volatile solids

** - micromhos/cm

All results are in mg/L unless noted.

Note*