

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
WATER FACILITIES DIVISION
MONTEBELLO WATER QUALITY LABORATORY
MINERAL ANALYSES FORM

2020

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
pH, Units	7.94	7.95	7.91	7.84	7.99	7.94	8.01	8.09	8.00	8.01	8.09	7.94	7.98	7.84	8.09
ALKALINITY, mg/L	62	61	58	56	56	63	58	61	62	62	69	66	61	56	69
VOL.SOLIDS OR L.O.I.*	41.4	65.8	51.9	53.0	54.9	79.7	76.3	69.4	61.9	58.6	59.9	50.6	60.3	41.4	79.7
TOTAL SOLIDS, mg/L	182.5	204.0	245.1	179.9	211.0	235.1	241.6	216.7	212.3	192.8	179.9	162.1	205.3	162.1	245.1
TURBIDITY, NTU	0.11	0.08	0.07	0.12	0.08	0.13	0.06	0.11	0.09	0.11	0.12	0.16	0.10	0.06	0.16
HARDNESS, mg/L	108	106	105	102	90	106	107	107	108	109	114	107	106	90	114
CALCIUM, mg/L	29.8	28.2	27.3	28.4	27.8	29.5	29.8	29.0	30.3	29.4	31.1	29.1	29.1	27.3	31.1
MAGNESIUM, mg/L	9.00	8.71	8.69	8.60	8.11	8.52	8.22	8.13	8.65	9.00	9.14	8.88	8.64	8.11	9.14
SILICA, mg/L	7.03	6.83	5.99	5.77	4.92	4.02	4.88	5.98	6.33	5.59	5.59	6.81	5.81	4.02	7.03
ALUMINUM, mg/L	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.06	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
SODIUM, mg/L	18.7	20.0	19.8	18.1	16.1	16.6	16.7	15.9	14.5	18.0	17.2	19.6	17.6	14.5	20.0
POTASSIUM, mg/L	2.52	2.55	2.52	2.35	2.57	2.37	2.51	2.66	3.48	4.21	3.58	2.72	2.84	2.35	4.21
NITRATES, mg/L	1.53	1.72	1.91	1.86	1.88	1.76	1.50	1.36	1.10	0.96	1.25	1.25	1.51	0.96	1.91
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	14.1	19.6	15.1	19.3	19.5	16.4	14.9	19.1	16.0	15.0	18.5	18.6	17.2	14.1	19.6
CHLORIDES, mg/L	46	49	47	44	42	41	42	42	42	45	44	44	44	41	49
FLUORIDE, mg/L	0.73	0.76	0.77	0.79	0.72	0.68	0.68	0.69	0.71	0.68	0.68	0.75	0.72	0.68	0.79
IRON, mg/L	0.01	0.01	0.01	<0.01	<0.01	<0.01	0.01	0.02	0.01	0.01	<0.01	0.01	0.01	<0.01	0.02
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	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.01
CONDUCTIVITY**,µs	322	313	258	310	316	326	348	311	315	320	304	346	316	258	348
RAW TEMP., °F	46.0	48.7	47.7	50.8	52.0	50.3	52.2	77.0	57.7	59.8	56.9	51.3	54.2	46.0	348.0
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	1.0	1.0
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*