

CITY OF BALTIMORE  
DEPARTMENT OF PUBLIC WORKS  
MONTEBELLO WATER QUALITY LABORATORY  
MINERAL ANALYSES FORM  
2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
pH, Units	7.84	7.55	7.91	7.90	7.94	7.95	7.99	7.94	7.80	7.97	7.87	7.99	7.89	7.55	7.99
ALKALINITY, mg/L	60	57	58	57	58	60	62	70	69	67	67	63	62	57	70
VOL.SOLIDS OR L.O.I.*	52.2	63.6	52.0	57.5	82.5	74.9	75.6	75.9	51.3	49.2	41.5	48.0	60.4	41.5	82.5
TOTAL SOLIDS, mg/L	193.2	217.3	198.8	176.3	290.2	264.5	255.4	212.5	180.5	189.5	164.4	173.6	209.7	164.4	290.2
TURBIDITY, NTU	0.06	0.06	0.07	0.08	0.06	0.13	0.06	0.12	0.13	0.08	0.11	0.04	0.08	0.04	0.13
HARDNESS, mg/L	104	105	108	104	107	107	109	115	118	120	117	112	110	104	120
CALCIUM, mg/L	27.3	26.9	29.3	27.4	27.6	29.2	27.2	28.2	27.8	31.0	30.6	29.8	28.5	26.9	31.0
MAGNESIUM, mg/L	8.52	8.60	9.23	8.47	8.39	8.82	7.68	7.94	7.95	8.27	8.38	8.88	8.43	7.68	9.23
SILICA, mg/L	6.64	6.59	7.26	7.01	6.35	6.45	5.71	7.41	7.71	7.76	7.18	7.65	6.98	5.71	7.76
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	<0.08	<0.08
SODIUM, mg/L	22.7	25.0	37.9	29.8	26.4	23.7	20.5	20.4	20.5	18.4	18.6	18.1	23.5	18.1	37.9
POTASSIUM, mg/L	3.02	1.96	2.18	2.37	2.92	2.67	3.05	2.31	3.18	3.18	2.96	3.10	2.74	1.96	3.18
NITRATES, mg/L	1.50	1.64	1.92	2.15	1.86	1.82	1.71	1.36	0.79	0.82	0.98	1.24	1.48	0.79	2.15
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	14.6	17.2	17.0	17.7	16.0	20.4	20.5	12.5	14.1	17.5	18.9	15.4	16.8	12.5	20.5
CHLORIDES, mg/L	54	50	75	65	56	53	50	49	49	48	48	47	54	47	75
FLUORIDE, mg/L	0.63	0.69	0.74	0.66	0.71	0.78	0.72	0.71	0.82	0.74	0.70	0.72	0.72	0.63	0.82
IRON, mg/L	<0.01	0.02	<0.01	<0.01	<0.01	0.02	0.01	<0.01	0.01	0.01	<0.01	0.02	0.02	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	342	346	419	380	316	359	346	311	352	330	335	358	350	311	419
RAW TEMP., °F	55.5	48.8	48.5	54.1	60.2	64.1	70.6	69.3	69.1	68.0	59.3	50.2	59.8	48.5	70.6
COLOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	1.0	2.0	1.0	1.0	1.3	1.3	3.0
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\*