

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF WATER AND WASTEWATER, ENVIRONMENTAL SERVICES
MONTEBELLO WATER QUALITY LABORATORY
MINERAL ANALYSES FORM

2016

	JAN	FEB	MAR	APR**	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
PH,UNITS	7.7	8.0	7.6	7.7	7.8	7.9	7.9	8.0	7.8	7.9	7.9	7.7	7.8	7.6	8.0
ALKALINITY	63	64	60	57	56	60	62	62	60	68	69	65	62.1	56	69
VOL.SOLIDS OR L.O.I. *	33.2	49.0	45.0	39.2	38.9	98.5	44.4	35.7	79.5	33.0	63.6	31.7	49.3	31.7	98.5
TOTAL SOLIDS	183.1	132.5	133.5	220.8	219.0	180.2	201.3	223.6	240.5	169.5	210.6	139.7	187.9	132.5	240.5
TURBIDITY, NTU	0.12	0.14	0.14	0.08	0.07	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.11	0.07	0.16
HARDNESS	110	101	94	102	101	106	104	104	104	118	118	113	106.1	94	118
CALCIUM	28.9	28.1	26.0	26.5	28.6	28.7	29.3	29.7	28.6	29.3	30.5	31.1	28.8	26.0	31.1
MAGNESIUM	8.9	8.9	8.2	7.9	8.7	8.5	8.4	8.6	8.8	9.0	9.3	9.1	8.7	7.9	9.3
SILICA	7.1	5.8	7.8	7.5	6.9	6.0	4.4	6.5	6.5	6.9	7.0	6.6	6.6	4.4	7.8
ALUMINUM	<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	18.3	23.3	28.3	23.0	21.9	20.1	18.8	19.2	18.6	19.1	19.9	19.9	20.9	18.3	28.3
POTASSIUM	2.61	3.02	2.57	2.50	2.40	2.28	2.43	2.64	2.47	2.70	2.84	2.91	2.6	2.28	3.02
NITRATES	1.33	1.59	1.92	1.94	1.90	1.79	1.46	1.40	1.08	1.07	0.85	1.06	1.45	0.85	1.94
SULFATES	20	16	15	16	16	17	18	14	15	17	15	16	16.2	14	20
CHLORIDES	48	50	64	58	53	49	51	50	48	48	50	50	51.5	48	64
FLUORIDE	0.74	0.77	0.85	0.78	0.72	0.80	0.72	0.73	0.72	0.75	0.80	0.78	0.76	0.72	0.85
IRON	0.01	<0.01	<0.01	<0.01	0.02	0.02	0.01	<0.01	0.03	0.03	0.02	0.02	0.02	<0.01	0.03
MANGANESE	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	<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**	384.0	338.0	359.0	386.0	361.0	360.0	489.0	336.0	344.0	340.0	348.0	317.0	363.5	153.0	489.0
RAW TEMP., F	47.2	43.5	46.9	51.9	53.9	57.4	64.9	71.2	70.0	63.7	53.4	50.6	56.2	43.5	71.2
NITRITES	<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	0.0	0.0
AMMONIA	0.01	0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0	<0.01	0.01

* - volatile solids

** - micromhos/cm

All results are in mg/L unless noted.

**Values based on Averages of grabs.