

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

2015

	JAN	FEB	MAR	APR**	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
PH,UNITS	7.7	7.7	8.0	7.6	7.9	7.7	7.9	8.0	7.9	7.8	7.7	7.9	7.8	7.6	8.0
ALKALINITY	62	58	59	47	56	58	63	66	68	69	69	72	62.1	47	72
L.O.I. *	75.5	43.9	60.3	73.9	55.1	76.0	58.6	47.0	46.4	72.1	62.4	46.7	59.8	43.9	76.0
TOTAL SOLIDS	204.6	217.0	228.9	183.0	223.1	233.3	222.8	201.2	210.6	193.3	174.9	137.0	202.5	137.0	233.3
HARDNESS	105	102	109	101	102	107	107	109	110	92	109	117	105.7	92	117
CALCIUM	26.7	26.7	26.5	23.6	26.9	26.5	29.8	30.0	28.6	29.5	30.8	30.6	28.0	23.6	30.8
MAGNESIUM	8.9	9.3	8.5	7.2	7.8	7.4	8.0	8.3	8.3	8.2	8.5	8.7	8.2	7.2	9.3
SILICA	6.8	7.0	7.5	5.9	5.9	5.7	5.4	6.2	6.2	7.1	7.6	7.7	6.6	5.4	7.7
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	<0.08	0.08
SODIUM	19.1	26.6	32.9	31.3	29.7	28.5	22.3	20.5	18.6	19.2	19.4	19.5	24.0	18.6	32.9
POTASSIUM	2.66	2.65	2.67	2.54	2.43	2.51	2.77	2.72	2.64	2.99	2.99	2.94	2.71	2.43	2.99
NITRATES	1.83	1.26	2.87	2.86	2.95	2.60	2.36	1.95	0.70	2.87	1.35	0.66	2.02	0.66	2.95
SULFATES	16	15	20	25	26	26	26	22	19	15	17	16	20	15	26
CHLORIDES	46	53	86	84	88	80	67	61	52	50	51	55	64	46	88
FLUORIDE	0.84	0.65	0.78	0.85	0.73	0.73	0.74	0.87	0.68	0.66	0.82	0.80	0.76	0.65	0.87
IRON	0.03	<0.01	<0.01	0.02	0.03	<0.01	<0.01	0.02	0.02	<0.01	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	L.A.	<0.01	0.01	0.01	0.01	<0.01	0.01
CONDUCTIVITY**	336.0	388.0	404.0	416.0	461.0	401.0	378.0	397.0	389.0	390.0	368.0	394.0	393.5	336.00	461.0
RAW TEMP., F	36.2	37.1	42.5	49.0	52.3	54.4	67.6	76.1	75.1	61.1	56.7	51.1	54.9	36.2	76.1
NITRITES	<0.01	L.A.	<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
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	0.01	<0.01	0.01

\* - volatile solids

\*\* - micromhos/cm

All results are in mg/L unless noted.

\*\*Values based on Averages of grabs.