

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

2015

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
PH,UNITS	7.80	7.90	7.80	7.83	7.80	7.80	7.90	7.8	7.7	7.7	7.9	7.9	7.82	7.70	7.90
ALKALINITY	40	39	39	38	39	40	40	42	44	46	47	47	42	38	47
VOL.SOLIDS OR L.O.I.*	33.4	34.6	37.8	44.0	43.8	36.6	41.4	35.8	32.4	34.4	41.0	36.6	37.7	32.4	44.0
TOTAL SOLIDS	140.4	140.4	149.6	160.0	154.6	149.2	156.6	150.2	150.2	159.2	154.0	152.8	151.4	140.4	160.0
HARDNESS	71	73	73	70	71	71	71	75	76	76	76	75	73	70	76
CALCIUM	19.5	18.6	20.2	18.4	18.4	18.1	20.5	20.9	20.2	20.6	21.4	20.5	19.8	19.8	19.9
MAGNESIUM	5.79	5.73	6.14	5.44	5.37	4.99	5.49	5.40	5.16	5.19	5.4	5.3	5.45	5.42	5.39
SILICA	5.60		4.81	4.73	4.63	4.60	4.75	5.03	4.54	4.32	4.50	4.42	4.72	4.32	5.60
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	0.00	<0.01	0.00
SODIUM	17.5	17.8	20.9	20.0	21.0	19.5	21.3	21.1	19.8	19.4	19.7	19.2	19.8	17.5	21.3
POTASSIUM	2.23	2.13	2.14	2.01	2.06	2.12	2.30	2.24	2.13	2.24	2.3	2.3	2.18	2.01	2.30
NITRATES	1.34	1.34	2.20	2.03	1.87	1.86	1.82	1.85	1.65	1.53	1.34	1.18	1.67	1.18	2.20
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	<0.01
SULFATES	12.9	12.9	12.8	12.0	12.7	12.7	12.1	12.0	11.7	12.3	12.3	12.3	12.4	11.7	12.9
CHLORIDES	38	41	42	45	45	45	45	45	44	43	42	43	43	38	45
FLUORIDE	0.72	0.65	0.68	0.71	0.65	0.68	0.72	0.71	0.61	0.67	0.66	0.71	0.68	0.61	0.72
IRON	<0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.01	0.01	<0.01	0.03	<0.01	0.01	0.00	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
CONDUCTIVITY**	257	251	274	272	278	278	274	281	282	277	266	275	272	251	282
RAW TEMP., F	38.0	40.0	41.0	45.6	48.6	48.9	48.6	49.5	53.2	55.1	53.7	50.6	47.7	38.0	55.1
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.

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