CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF WATER AND WASTEWATER, ENVIRONMENTAL SERVICES
ASHBURTON WATER QUALITY LABORATORY
MINERAL ANALYSES FORM
2016

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
PH,UNITS	7.49	7.72	7.65	7.71	7.86	7.57	7.77	7.5	7.7	7.8	7.9	8.1	**7.73**	**7.49**	**8.05**
ALKALINITY	43	41	40	38	38	41	43	43	44	45	46	47	**42**	**38**	**47**
VOL.SOLIDS OR L.0.I.*	34.8	37.0	44.8	31.4	35.2	31.1	39.8	36.0	40.0	32.0	36.6	39.0	**36.5**	**31.1**	**44.8**
TOTAL SOLIDS	146.8	142.0	149.0	139.6	157.0	151.2	153.0	151.8	145.8	148.0	139.4	137.0	**146.7**	**137.0**	**157.0**
HARDNESS	73	71	70	70	72	73	74	75	76	77	76	78	**74**	**70**	**78**
CALCIUM	19.8	19.3	18.8	19.2	20.1	20.6	21.1	21.5	21.5	22.0	21.8	22.2	**20.7**	**20.7**	**20.9**
MAGNESIUM	5.56	5.75	5.84	5.49	5.99	5.78	5.70	5.67	5.67	6.05	6.03	5.98	**5.79**	**5.81**	**5.82**
SILICA	4.40	4.39	3.97	4.76	4.22	4.40	4.74	5.09	4.36	4.27	4.16	4.30	**4.42**	**3.97**	**5.09**
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	18.6	19.1	19.1	18.4	18.5	19.4	19.3	20.0	18.3	20.0	19.6	19.1	**19.1**	**18.3**	**20.0**
POTASSIUM	2.09	2.67	2.35	2.16	2.29	2.20	2.30	2.43	2.22	2.30	2.34	2.32	**2.31**	**2.09**	**2.67**
NITRATES	1.10	1.11	1.21	1.43	1.54	1.54	1.62	1.91	1.74	1.57	1.48	1.22	**1.46**	**1.10**	**1.91**
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**	**<0.01**
SULFATES	12.3	12.3	12.3	11.8	11.9	11.6	11.2	11.0	11.1	12.1	11.4	10.8	**11.7**	**10.8**	**12.3**
CHLORIDES	41	41	41	41	41	42	42	41	40	40	42	42	**41**	**40**	**42**
FLUORIDE	0.69	0.81	0.78	0.72	0.78	0.73	0.76	0.72	0.70	0.71	0.72	0.75	**0.74**	**0.69**	**0.81**
IRON	<0.01	0.02	<0.01	<0.01	<0.01	0.02	0.02	0.01	0.01	0.01	<0.01	<0.01	**<0.01**	**<0.01**	**0.02**
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	**0.00**	**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**	266	251	260	259	258	255	267	269	268	270	270	273	**264**	**251**	**273**
RAW TEMP., F	46.5	42.0	44.5	48.8	51.3	51.3	50.5	52.2	57.8	59.2	55.2	48.8	**50.7**	**42.0**	**59.2**
AMMONIA	<0.01	<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**

* - volatile solids ** - micromhos/cm All results are in mg/L unless noted.

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