

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

**MINERAL ANALYSES FORM**

**2017**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
pH, Units	7.73	7.66	7.83	7.83	7.65	7.86	7.80	7.98	7.84	7.71	8.00	7.67	7.80	7.65	8.00
ALKALINITY, mg/L	44	45	41	44	45	46	47	46	46	45	50	48	46	41	50
VOL.SOLIDS OR L.O.I.*	35.4	36.8	33.0	42.8	50.0	51.0	41.0	43.2	41.4	47.6	40.2	32.0	41.2	32.0	51.0
TOTAL SOLIDS, mg/L	14.3	143.6	139.8	152.4	162.0	166.0	151.5	159.6	159.0	161.6	145.0	127.6	140.2	14.3	166.0
TURBIDITY, NTU	0.08	0.09	0.08	0.08	0.06	0.08	0.37	0.16	0.15	0.08	0.15	0.09	0.12	0.06	0.37
HARDNESS, mg/L	76	76	74	75	78	82	82	82	83	83	82	82	80	74	83
CALCIUM, mg/L	20.5	20.2	19.6	19.8	19.8	19.8	21.5	21.7	21.3	22.3	23.7	23.0	21.1	19.6	23.7
MAGNESIUM, mg/L	6.08	6.30	6.04	6.00	5.88	6.00	6.07	6.06	5.96	5.91	6.36	6.43	6.09	5.88	6.43
SILICA, mg/L	3.51	3.63	3.49	3.75	2.94	2.83	3.09	3.43	3.13	3.43	3.20	3.15	3.30	2.83	3.75
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	19.1	20.0	18.8	18.9	18.4	18.9	19.1	18.7	18.3	17.1	19.1	18.3	18.7	17.1	20.0
POTASSIUM, mg/L	2.34	2.45	2.27	2.13	2.08	2.13	2.18	1.91	1.97	2.36	1.79	2.20	2.15	1.79	2.45
NITRATES, mg/L	1.26	1.30	1.31	1.36	1.38	1.41	1.38	1.44	1.31	1.29	1.17	1.05	1.31	1.05	1.44
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	18.2	13.2	13.4	13.4	12.8	12.7	12.9	13.4	13.0	13.5	12.5	12.2	13.4	12.2	18.2
CHLORIDES, mg/L	41	42	41	42	41	42	41	42	41	41	43	43	42	41	43
FLUORIDE, mg/L	0.67	0.58	0.65	0.63	0.69	0.68	0.61	0.71	0.68	0.72	0.70	0.74	0.67	0.58	0.74
IRON, mg/L	0.01	<0.01	<0.01	<0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	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	0.00	0.00	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	265	265	266	270	277	277	280	273	278	280	279	282	274	265	282
RAW TEMP., °F	44.7	44.0	46.0	49.7	52.0	53.5	53.4	55.4	60.0	59.8	56.0	50.1	52.1	44.0	60.0
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/cr

All results are in mg/L unless noted.

Note\*