

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

MINERAL ANALYSES FORM

2018

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
pH, Units	7.60	7.56	8.00***	7.16	7.92***	7.97***	7.91***	7.87***	7.95***	7.89***	7.97***	7.74	7.80	7.16	8.00
ALKALINITY, mg/L	48	48	46	46	44***	49	48***	50***	52***	53***	49***	43	48	44	49
VOL.SOLIDS OR L.O.I.*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.0	NA	NA	NA
E ⁻ TOTAL SOLIDS, mg/L	157.4	161.6	162.8	163.4	162.7	164.1	168.6	168.9	173.8	172.3	159.7	155.0	164.2	155.0	173.8
TURBIDITY, NTU	0.12	0.07	0.11***	0.07	0.08***	0.08***	0.07***	0.08***	0.06***	0.06***	0.09***	0.11***	0.08	0.06	0.12
HARDNESS, mg/L	81	82	80	80	81***	82	84***	86***	89***	87***	85***	80	83	80	89
CALCIUM, mg/L	20.8	21.1	21.5	20.6	20.6	22.3	22.9	23.4	24.5	22.8	22.1	21.7	22.0	20.6	24.5
MAGNESIUM, mg/L	6.25	6.43	6.34	6.33	6.20	6.63	6.34	6.19	6.10	5.53	5.55	5.42	6.11	5.42	6.63
SILICA, mg/L	3.28	3.56	3.52	3.42	2.83	2.98	3.95	4.02	4.07	4.29	5.32	5.16	3.87	2.83	5.32
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	18.5	19.8	21.0	21.3	20.8	22.1	21.5	20.7	20.9	18.4	17.9	17.1	20.0	17.1	22.1
POTASSIUM, mg/L	2.07	2.09	2.48	2.45	2.82	2.29	2.67	2.02	1.49	2.30	2.42	2.66	2.31	1.49	2.82
NITRATES, mg/L	1.01	1.15	1.16	1.21	1.32	1.35	1.17	1.44	1.47	1.49	1.58	1.60	1.33	1.01	1.60
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	13.7	13.7	14.1	14.4	14.4	13.8	13.2	14.3	16.5	20.7	14.0	14.3	14.7	13.2	20.7
CHLORIDES, mg/L	43	45	46	47	49	43	48	46	46	43	41	39	45	39	49
FLUORIDE, mg/L	0.68	0.69	0.61	0.62	0.62	0.53	0.72	0.69	0.65	0.71	0.68	0.69	0.66	0.53	0.72
IRON, mg/L	0.01***	0.01	0.02***	0.02***	0.01***	0.01***	0.02***	0.01***	0.01***	0.02***	0.01***	<0.01	0.01***	0.01***	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	0.01	0.00	0.01
PHOSPHATE, mg/L	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.00	<0.01	<0.01	0.02	0.01	0.00	0.02
CONDUCTIVITY, µS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	273	NA	NA	NA
RAW TEMP., °F	43.3	43.2	45.2	49.0	52.6	52.5	52.7	53.3	53.6	55.8	54.9	48.9	50.4	43.2	55.8

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	0.00	0.00	0.01
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E* - Estimated * - volatile solids Not Available** - micromhos/crr All results are in mg/L unless noted.

Note*

***- Averaged values from MOR