

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF WATER AND WASTEWATER, WATER FACILITIES DIVISION
ASHBURTON WATER QUALITY LABORATORY
MINERAL ANALYSES FORM
2022

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	AVE	MIN	MAX
PH,UNITS	7.99	7.77	8.02	7.95	7.95	7.75	7.55	8.02	7.95	7.93	8.05	7.84	7.90	7.55	8.05
ALKALINITY	44	42	42	41	42	43	46	46	47	43	46	49	44	41	49
VOL.SOLIDS OR L.O.I.*	33.0	29.6	42.0	55.8	16.6	52.2	26.0	31.0	33.4	31.2	25.0	*	34.2	16.6	55.8
TOTAL SOLIDS	159.4	153.4	158.8	142.6	161.8	154.4	166.8	160.2	158.8	158.0	152.0	156.4	156.9	142.6	166.8
TURBIDITY,NTU	0.13	0.11	0.13	0.18	0.10	0.12	0.13	0.19	0.22	0.12	0.12	0.30	0.15	0.10	0.30
HARDNESS	78	76	77	78	79	80	83	83	80	81	84	84	80	76	84
CALCIUM	21.3	20.6	18.9	21.7	21.3	20.4	24.2	23.4	23.6	22.4	22.5	22.9	21.9	18.9	24.2
MAGNESIUM	6.37	6.24	5.84	6.21	5.90	5.77	6.37	6.01	6.23	6.24	5.98	6.31	6.12	5.82	6.37
SILICA	4.87	4.89	4.83	4.68	4.26	4.34	4.36	4.92	4.26	3.89	4.30	4.54	4.51	3.89	4.92
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	20.0	21.2	18.5	22.1	19.6	18.5	22.0	20.7	21.3	20.5	20.2	20.3	20.4	18.5	22.1
POTASSIUM	2.54	2.88	2.50	2.88	2.59	2.55	2.46	2.74	2.77	2.88	2.28	2.65	2.64	2.28	2.88
NITRATES	1.22	1.30	1.42	1.49	1.56	1.56	1.57	1.64	1.46	1.28	1.21	1.08	1.40	1.08	1.64
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	12.81	13.52	13.75	12.73	12.04	13.36	13.50	13.27	12.58	12.18	12.40	12.55	12.9	12.0	13.8
CHLORIDES	46.08	42.69	43.66	44.12	43.84	44.08	44.96	46.75	42.70	44.52	43.25	43.28	44	43	47
FLUORIDE	0.57	0.66	0.71	0.70	0.63	0.68	0.56	0.59	0.27	0.63	0.64	0.61	0.60	0.27	0.71
IRON	<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
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	0.01
CONDUCTIVITY**	277	277	281	287	281	287	290	287	289	287	288	295	285	277	295
AMMONIA	<0.01	0.01	0.03	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	<0.01	0.03
COLOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
RAW TEMP., F	46.7	45.6	48.2	51.8	54.8	55.8	54.8	58.7	63.4	61.6	58.2	53.2	54.4	45.6	63.4