

2020 TOTAL WATER QUALITY COMPOSITE

Analyte	Matrix	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	AVG
Alkalinity [mg/l]	Raw	84	84	81	82	78	79	80	78	77	80	86	93	82
Alkalinity [mg/l]	Finished	71	70	68	69	65	66	66	66	65	67	72	82	69
Chlorine (free) [mg/l]	Finished	2.00	2.00	1.97	1.83	1.80	1.79	1.82	1.83	1.84	1.84	1.82	1.96	1.88
Chlorine (total) [mg/l]	Storage	1.95	1.98	2.09	1.91	1.95	1.93	1.94	1.86	1.87	1.84	1.77	1.98	1.92
Copper [ug/l]	Raw	5.30	3.99	0.99	2.99	6.99	3.99	3.99	2.99	7.99	2.99	2.99	BDL	4.11
Copper [ug/l]	Finished	1.30	BDL	1.99	BDL	BDL	0.99	0.99	1.99	BDL	BDL	2.99	BDL	1.45
Fluoride [mg/l]	Finished	0.20	0.16	0.15	0.14	0.09	0.12	0.09	0.16	0.10	0.14	0.13	0.22	0.14
Hardness [mg/l]	Raw	139	136	131	121	113	112	111	111	110	116	130	144	123
Hardness [mg/l]	Finished	139	136	131	121	113	112	111	111	111	116	130	145	123
Hardness, Calcium [mg/l]	Finished	107	107	98	84	85	82	82	83	81	87	98	109	92
Hardness, Magnesium [mg/l]	Finished	32	30	33	36	28	30	29	28	30	29	32	36	31
Iron, Total [mg/l]	Raw	0.281	0.311	0.071	0.071	0.251	0.171	0.341	0.321	0.241	0.151	1.600	0.141	0.329
Iron, Total [mg/l]	Finished	0.001	0.001	0.011	BDL	0.001	0.001	0.001	0.011	0.001	0.011	0.001	0.001	0.004
Monochloramine [mg/l]	Storage	1.71	1.60	1.58	1.57	1.63	1.62	1.63	1.58	1.53	1.48	1.40	1.58	1.576
Nitrate[mg/l]	Raw	0.1	BDL	BDL	0.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.1
Nitrate[mg/l]	Finished	1.3	1.1	1.2	NA	0.6	0.6	0.700	0.600	0.7	0.600	0.800	0.7	0.8
Nitrite [mg/l]	Raw	0.006	BDL	0.004	0.001	0.005	0.005	0.005	BDL	0.001	0.004	0.002	0.001	0.003
Nitrite [mg/l]	Finished	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.001	0.002	0.002	0.001	0.002	0.002
pH	Raw	8.1	8.1	8.2	8.1	8.1	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1
pH	Finished	7.1	7.1	7.1	7.1	7.1	7.0	7.1	7.1	7.2	7.2	7.2	7.3	7.1
Phosphorus	Raw	0.20	0.08	0.03	0.03	0.10	0.07	0.04	0.08	0.02	0.07	0.08	0.04	0.07
Phosphorus	Finished	0.09	0.06	0.02	BDL	0.03	0.02	0.07	0.02	0.01	0.01	0.02	0.01	0.03
Silicates	Raw	10.4	15.5	11.7	11.3	15.4	13.9	10.600	14.9	12.7	10.6	10.300	10.1	12.3
Silicates	Finished	10.9	11.6	11.3	9.7	11.3	11.4	10.300	10.2	8.5	7.9	9.400	10.1	10.2
Sulfate	Raw	40.8	38.8	35.8	28.8	20.8	21.8	16.8	20.8	18.8	20.8	35.8	41.8	28
Sulfate	Finished	56.8	53.8	50.8	41.8	32.8	34.8	30.8	32.8	30.8	32.8	50.8	53.8	42
Temperature [C]	Raw	3.1	3.2	5.7	8.1	11.3	13.4	14.3	15.1	14.2	12.0	6.7	3.8	9
Total Dissolved Solids	Raw	119	119	119	106	100	102	101	100	100	105	120	138	111
Total Dissolved Solids	Finished	123	123	123	110	105	107	106	105	104	109	125	141	115
Turbidity (NTU)	Raw	11.3	16.0	12.2	9.6	10.2	13.3	15.5	13.7	9.6	7.5	15.5	10.6	12
Turbidity (NTU)	Clarifier	0.96	0.89	0.58	0.68	0.75	0.88	0.60	0.43	0.41	0.32	0.58	0.62	0.64
Turbidity (NTU)	Finished	0.061	0.060	0.056	0.051	0.051	0.058	0.049	0.048	0.044	0.042	0.046	0.044	0.05