

2024 Water Quality Composite

Anaylte	Matrix	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
Total Alkalinity (mg/L)	Raw	64	65	62	65	64	57	56	56	58	60	70	78	63
Total Alkalinity (mg/L)	Finished	77	78	76	76	75	68	68	67	70	71	83	92	75
Total Hardness (mg/L)	Raw	140	142	138	124	119	107	107	107	107	112	159	204	130
Total Hardness (mg/L)	Finished	140	141	136	123	119	106	107	105	107	111	160	205	130
Calcium Hardness (mg/L)	Finished	101	103	98	89	85	79	79	79	79	80	117	147	95
Magnesium Hardness (mg/L)	Finished	39	38	38	34	34	27	28	26	28	31	43	58	35
pH	Raw	8.22	8.19	8.07	8.05	8.07	8.00	8.00	7.98	8.01	8.10	7.90	8.06	8.06
pH	Finished	7.51	7.36	7.20	7.17	7.20	7.14	7.21	7.20	7.22	7.26	7.25	7.28	7.25
Turb (NTU)	Raw	7.9	7.5	11.4	10.8	11.7	13.2	22.0	16.4	12.5	8.3	10.5	9.6	11.8
Turb (NTU)	Clarafier	1.00	0.76	0.73	0.92	0.75	0.62	0.62	0.50	0.48	0.50	0.72	0.96	0.71
Turb (NTU)	Finished	0.051	0.044	0.043	0.042	0.048	0.048	0.052	0.048	0.048	0.046	0.049	0.058	0.048
Chlorine residual -free (mg/L)	Finished (DCB eff)	2.09	2.03	2.14	2.06	1.91	1.90	1.91	1.95	1.90	1.91	2.14	2.14	2.01
Chlorine residual -total (mg/L)	Finished/Storage	2.07	2.03	2.11	1.94	1.84	1.77	1.82	1.83	1.80	1.81	1.96	1.98	1.91
Monochloramine (mg/L)	Finished/Storage	1.45	1.35	1.31	1.43	1.40	1.36	1.48	1.46	1.35	1.41	1.46	1.42	1.41
Free Ammonia (as N) (mg/L)	Finished/Storage	0.01	0.05	0.06	0.03	0.03	0.01	0.01	0.01	0.05	0.05	0.03	0.02	0.03
% of residual as Monochloramine	Finished/Storage	70%	67%	62%	74%	76%	77%	81%	80%	75%	78%	74%	72%	74%
Total Ammonia (mg/L)	Finished/Storage	0.36	0.38	0.31	0.36	0.31	0.36	0.34	0.35	0.32	0.33	0.34	0.33	0.34
Color (color units)	Raw	83	85	114	108	98	129	195	155	114	76	110	97	114
Total Dissolved Solids (mg/L)	Raw	135	128	133	115	110	98	95	99	101	102	140	199	121
Total Dissolved Solids (mg/L)	Finished	139	132	139	120	114	102	103	103	101	106	145	203	126
Iron (mg/L)	Raw	0.18	0.07	0.43	0.11	0.17	-	0.17	0.36	0.14	0.28	BDL	0.05	0.20
Iron (mg/L)	Finished/Storage	0.03	BDL	0.01	0.04	0.02	BDL	BDL	0.02	BDL	BDL	BDL	BDL	0.02
Copper (ug/L)	Raw	10	11	31	BDL	12	24	2	32	3	49	8	5	17
Copper (ug/L)	Finished/Storage	10	12	21	11	10	13	1	15	5	12	13	11	11
Phosphorus (mg/L)	Raw	0.05	0.07	0.05	0.05	0.05	0.08	0.11	0.28	0.08	0.08	0.04	0.08	0.09
Phosphorus (mg/L)	Finished/Storage	0.02	0.04	0.04	0.05	0.03	0.04	0.07	0.04	BDL	0.02	BDL	BDL	0.04
Sulfate (mg/L)	Raw	65	50	58	36	21	18	17	24	18	20	46	78	38
Sulfate (mg/L)	Finished/Storage	55	63	63	50	33	37	33	41	36	34	59	70	48
Fluoride (mg/L)	Finished/Storage	0.28	0.25	0.26	0.24	0.18	0.22	0.17	0.26	0.19	0.36	0.26	0.29	0.25
Langlier Index (10 Sample Avg.)	Distribution System	-1.69			-1.41			-1.53			-1.43			-1.51