

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

May 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO ₃ /L)	62	109.2	94.0 - 118.0	301	115.4	81.0 - 139.0
Aluminum (mg/L)	2	0.023	0.021 - 0.025	10	0.048	0.021 - 0.087
Arsenic (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	42	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	62	1.1	0.6 - 1.9	302	0.9	<0.5 - 1.9
Cadmium (mg/L)	2	<0.00002	<0.00002	10	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO ₃)	60	113.0	95.0 - 123.0	292	115.8	90.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.25	0.09 - 0.49	42	0.19	<0.1 - 0.49
Chloride Dissolved (mg/L)	8	6.7	5.3 - 7.6	42	6.73	4.59 - 14.20
Chlorine total (mg/L)	62	2.09	1.94 - 2.26	302	2.08	1.89 - 2.26
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	42	<0.2	<0.005 - <0.2
Chloroform (µg/L)	62	26.9	13.5 - 52.0	302	12.4	3.5 - 52.0
Chromium (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Colour (TCU)	62	1.1	<0.5 - 2.7	302	0.9	<0.5 - 2.7
Conductivity (µS/cm)	8	412.4	388.0 - 476.0	42	398.0	358.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	10	0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	10	<0.1	<0.09 - <0.1
Fluoride (mg/L)	62	0.69	0.61 - 0.76	301	0.68	0.59 - 0.78
Giardia (cysts/100L)	2	<0.1	<0.1	10	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	28.1	25.8 - 30.4	10	15.8	7.8 - 30.4
Iron (mg/L)	2	<0.005	<0.005	10	<0.005	<0.005
Manganese (mg/L)	2	0.004	<0.002 - 0.005	10	0.002	<0.002 - 0.005
Mercury (µg/L)				4	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.02	<0.01 - 0.04	40	0.08	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	8	0.01	<0.01	40	0.01	<0.01 - 0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	10	<0.0018	<0.0009 - <0.0018
pH	62	8	8	301	8	8
Potassium (mg/L)	2	1.0	1.0	10	1.0	0.6 - 1.9
Sodium (mg/L)	2	23.4	19.6 - 27.2	10	13.6	6.3 - 27.2
Sulphate Dissolved (mg/L)	8	88.9	71.5 - 116.0	42	74.3	59.3 - 116.0
Total Dissolved Solids (mg/L)	2	254.50	243.00 - 266.00	10	215.50	52.00 - 266.00
Total Hardness (mg/L CaCO ₃)	62	169.2	155.0 - 181.0	302	175.0	131.0 - 212.0
Total Organic Carbon (mg/L)	8	2.6	1.8 - 3.4	42	1.5	0.8 - 3.4
Trihalomethanes (µg/L)	62	28.1	14.7 - 53.6	302	13.4	4.3 - 53.6
Turbidity (NTU)	62	0.06	<0.04 - 0.11	302	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	10	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	10	<0.005	<0.005