

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

July 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO ₃ /L)	62	113.4	102.0 - 122.0	423	114.7	81.0 - 139.0
Aluminum (mg/L)	2	0.114	0.100 - 0.127	14	0.057	0.021 - 0.127
Arsenic (mg/L)	2	0.0002	<0.0002	14	0.0002	<0.0002 - 0.0002
Bromate Dissolved (mg/L)	10	<0.005	<0.005	60	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	62	1.3	0.8 - 1.7	424	1.0	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	14	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO ₃)	60	114.5	108.0 - 120.0	412	115.8	90.0 - 136.0
Chlorate Dissolved (mg/L)	10	0.24	0.10 - 0.44	60	0.20	<0.1 - 0.49
Chloride Dissolved (mg/L)	10	7.1	6.6 - 7.8	60	6.83	4.59 - 14.20
Chlorine total (mg/L)	62	2.10	1.95 - 2.27	424	2.09	1.89 - 2.32
Chlorite Dissolved (mg/L)	10	<0.005	<0.005	60	<0.2	<0.005 - <0.2
Chloroform (µg/L)	62	36.1	25.8 - 44.9	424	19.9	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002
Colour (TCU)	62	1.3	0.6 - 1.7	424	1.0	<0.5 - 2.7
Conductivity (µS/cm)	10	404.8	385.0 - 426.0	60	400.8	358.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	14	0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	14	<0.1	<0.09 - <0.1
Fluoride (mg/L)	62	0.68	0.63 - 0.75	423	0.68	0.59 - 0.78
Giardia (cysts/100L)	2	<0.1	<0.1	14	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	28.6	27.0 - 30.2	13	18.9	7.8 - 30.4
Iron (mg/L)	2	<0.005	<0.005	14	<0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	14	0.002	<0.002 - 0.005
Mercury (µg/L)	2	<0.0050	<0.0050	6	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	10	0.02	<0.01 - 0.06	58	0.06	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	10	0.01	0.01	58	0.01	<0.01 - 0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.00116	<0.0009 - 0.00142	13	0.00142	<0.0009 - 0.00142
pH	62	8	8	423	8	8
Potassium (mg/L)	2	0.8	0.7 - 0.8	14	1.0	0.6 - 1.9
Sodium (mg/L)	2	10.7	10.1 - 11.3	14	13.5	6.3 - 27.2
Sulphate Dissolved (mg/L)	10	77.8	70.5 - 89.4	60	75.7	59.3 - 116.0
Total Dissolved Solids (mg/L)	2	213.50	211.00 - 216.00	14	222.50	52.00 - 267.00
Total Hardness (mg/L CaCO ₃)	62	171.8	162.0 - 182.0	424	174.8	131.0 - 212.0
Total Organic Carbon (mg/L)	10	2.1	1.8 - 2.4	60	1.7	0.8 - 3.4
Trihalomethanes (µg/L)	62	37.7	26.7 - 46.7	424	21.1	4.3 - 84.7
Turbidity (NTU)	62	0.04	<0.04 - 0.08	424	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	14	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	14	<0.005	<0.005