

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

August 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO ₃ /L)	62	113.6	108.0 - 124.0	485	114.5	81.0 - 139.0
Aluminum (mg/L)	2	0.060	0.046 - 0.073	16	0.057	0.021 - 0.127
Arsenic (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002 - 0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	68	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	61	1.5	0.9 - 2.1	485	1.1	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	16	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO ₃)	60	112.8	106.0 - 125.0	472	115.4	90.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.21	0.11 - 0.32	68	0.20	<0.1 - 0.49
Chloride Dissolved (mg/L)	8	6.6	5.4 - 8.0	68	6.80	4.59 - 14.20
Chlorine total (mg/L)	62	2.15	1.98 - 2.30	486	2.10	1.89 - 2.32
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	68	<0.2	<0.005 - <0.2
Chloroform (µg/L)	61	31.5	24.3 - 43.6	485	21.3	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Colour (TCU)	62	1.2	0.8 - 1.9	486	1.0	<0.5 - 2.7
Conductivity (µS/cm)	8	407.0	380.0 - 443.0	68	401.6	358.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	16	0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	16	<0.1	<0.09 - <0.1
Fluoride (mg/L)	62	0.70	0.65 - 0.78	485	0.68	0.59 - 0.78
Giardia (cysts/100L)	2	<0.1	<0.1	16	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	30.7	29.8 - 31.6	15	20.5	7.8 - 31.6
Iron (mg/L)	2	<0.005	<0.005	16	<0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	16	0.002	<0.002 - 0.005
Mercury (µg/L)				6	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	16	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.03	<0.01 - 0.04	66	0.06	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	8	0.01	0.01	66	0.01	<0.01 - 0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	15	0.00142	<0.0009 - 0.00142
pH	62	8	8	485	8	8
Potassium (mg/L)	2	0.8	0.8	16	0.9	0.6 - 1.9
Sodium (mg/L)	2	13.2	10.8 - 15.6	16	13.4	6.3 - 27.2
Sulphate Dissolved (mg/L)	8	76.2	70.4 - 80.4	68	75.8	59.3 - 116.0
Total Dissolved Solids (mg/L)	2	251.00	236.00 - 266.00	16	226.06	52.00 - 267.00
Total Hardness (mg/L CaCO ₃)	60	170.5	162.0 - 182.0	484	174.3	131.0 - 212.0
Total Organic Carbon (mg/L)	8	2.0	1.9 - 2.1	68	1.7	0.8 - 3.4
Trihalomethanes (µg/L)	61	33.1	26.1 - 45.5	485	22.6	4.3 - 84.7
Turbidity (NTU)	62	0.04	<0.04 - 0.07	486	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	16	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	16	<0.005	<0.005