

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

November 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO ₃ /L)	60	118.8	113.0 - 129.0	667	114.8	81.0 - 139.0
Aluminum (mg/L)	2	0.118	0.113 - 0.122	22	0.067	0.021 - 0.127
Arsenic (mg/L)	2	<0.0002	<0.0002	22	0.0002	<0.0002 - 0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	94	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	60	0.9	0.6 - 1.5	667	1.1	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	22	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO ₃)	58	112.2	105.0 - 122.0	648	113.8	80.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.19	0.07 - 0.35	94	0.20	<0.1 - 0.49
Chloride Dissolved (mg/L)	8	5.4	4.5 - 6.0	94	6.48	4.51 - 14.20
Chlorine total (mg/L)	60	2.05	1.88 - 2.21	668	2.10	1.88 - 2.32
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	94	<0.2	<0.005 - <0.2
Chloroform (µg/L)	60	13.2	9.2 - 23.9	667	20.2	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	22	<0.0002	<0.0002
Colour (TCU)	60	0.8	<0.5 - 1.5	668	1.0	<0.5 - 2.7
Conductivity (µS/cm)	8	359.4	350.0 - 376.0	95	391.8	339.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	22	0.002	<0.002
Cryptosporidium (oocysts/100L)	4	0.1	<0.1	28	0.1	<0.09 - 0.1
Fluoride (mg/L)	60	0.71	0.65 - 0.80	667	0.69	0.52 - 0.80
Giardia (cysts/100L)	4	<0.1	<0.1	28	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	20.0	19.4 - 20.6	21	19.8	7.8 - 31.6
Iron (mg/L)	2	<0.005	<0.005	22	0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	22	0.002	<0.002 - 0.005
Mercury (µg/L)	2	<0.0050	<0.0050	12	<0.0050	<0.0050
Mercury (mg/L)				20	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.05	0.03 - 0.06	92	0.05	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	8	0.01	0.01 - 0.02	92	0.01	<0.01 - 0.02
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	21	0.00142	<0.0009 - 0.00142
pH	60	8	8	667	8	8
Potassium (mg/L)	2	0.7	0.6 - 0.7	22	0.9	0.6 - 1.9
Sodium (mg/L)	2	6.5	6.4 - 6.5	22	11.8	6.3 - 27.2
Sulphate Dissolved (mg/L)	8	58.3	57.8 - 59.2	94	72.3	57.8 - 116.0
Total Dissolved Solids (mg/L)	2	211.50	206.00 - 217.00	22	220.32	52.00 - 267.00
Total Hardness (mg/L CaCO ₃)	60	172.0	164.0 - 190.0	666	172.7	131.0 - 212.0
Total Organic Carbon (mg/L)	8	1.4	1.1 - 2.1	94	1.6	0.8 - 3.4
Trihalomethanes (µg/L)	60	14.1	9.9 - 25.6	667	21.5	4.3 - 84.7
Turbidity (NTU)	60	0.05	<0.04 - 0.15	668	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	22	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	22	0.005	<0.005