

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

October 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO ₃ /L)	62	116.2	107.0 - 128.0	607	114.4	81.0 - 139.0
Aluminum (mg/L)	2	0.062	0.060 - 0.064	20	0.062	0.021 - 0.127
Arsenic (mg/L)	2	<0.0002	<0.0002	20	0.0002	<0.0002 - 0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	86	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	62	1.5	1.1 - 2.1	607	1.2	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	20	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO ₃)	60	109.2	101.0 - 114.0	590	114.0	80.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.22	0.11 - 0.33	86	0.20	<0.1 - 0.49
Chloride Dissolved (mg/L)	8	5.7	4.7 - 7.7	86	6.58	4.59 - 14.20
Chlorine total (mg/L)	62	2.11	1.94 - 2.26	608	2.11	1.89 - 2.32
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	86	<0.2	<0.005 - <0.2
Chloroform (µg/L)	62	16.0	8.9 - 29.2	607	20.9	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	20	0.0002	<0.0002
Colour (TCU)	62	0.9	<0.5 - 1.6	608	1.0	<0.5 - 2.7
Conductivity (µS/cm)	9	372.8	360.0 - 389.0	87	394.8	339.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	20	0.002	<0.002
Cryptosporidium (oocysts/100L)	5	<0.1	<0.1	24	<0.1	<0.09 - <0.1
Fluoride (mg/L)	62	0.69	0.52 - 0.80	607	0.69	0.52 - 0.80
Giardia (cysts/100L)	5	<0.1	<0.1	24	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	12.6	12.3 - 12.8	19	19.8	7.8 - 31.6
Iron (mg/L)	2	<0.005	<0.005	20	0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	20	0.002	<0.002 - 0.005
Mercury (µg/L)	2	<0.0050	<0.0050	10	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	20	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.01	<0.01	84	0.05	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	8	0.01	0.01 - 0.02	84	0.01	<0.01 - 0.02
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	19	0.00142	<0.0009 - 0.00142
pH	62	8	8	607	8	8
Potassium (mg/L)	2	0.7	0.7	20	0.9	0.6 - 1.9
Sodium (mg/L)	2	8.1	7.1 - 9.1	20	12.4	6.3 - 27.2
Sulphate Dissolved (mg/L)	8	62.4	57.9 - 68.5	86	73.6	57.9 - 116.0
Total Dissolved Solids (mg/L)	2	203.50	201.00 - 206.00	20	221.20	52.00 - 267.00
Total Hardness (mg/L CaCO ₃)	62	169.2	162.0 - 174.0	606	172.7	131.0 - 212.0
Total Organic Carbon (mg/L)	8	1.4	1.1 - 1.9	86	1.6	0.8 - 3.4
Trihalomethanes (µg/L)	62	17.6	10.6 - 31.5	607	22.2	4.3 - 84.7
Turbidity (NTU)	62	0.06	<0.04 - 0.10	608	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	20	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	20	0.005	<0.005