

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

January 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO ₃ /L)	62	119.4	110.0 - 127.0	62	119.4	110.0 - 127.0
Aluminum (mg/L)	2	0.079	0.076 - 0.082	2	0.079	0.076 - 0.082
Arsenic (mg/L)	2	<0.0002	<0.0002	2	<0.0002	<0.0002
Bromate Dissolved (mg/L)	8	0.005	<0.003 - 0.005	8	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	62	0.7	<0.5 - 1.4	62	0.7	<0.5 - 1.4
Cadmium (mg/L)	2	<0.00002	<0.00002	2	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO ₃)	60	115.8	105.0 - 124.0	60	115.8	105.0 - 124.0
Chlorate dissolved (mg/L)	8	0.14	0.09 - 0.24	8	0.14	<0.1 - 0.24
Chloride Dissolved (mg/L)	8	5.19	4.59 - 5.82	8	5.19	4.59 - 5.82
Chlorine total (mg/L)	62	2.09	1.92 - 2.18	62	2.09	1.92 - 2.18
Chlorite Dissolved (mg/L)	8	0.054	<0.005 - 0.200	8	<0.2	<0.005 - <0.2
Chloroform (µg/L)	62	8.4	4.7 - 19.1	62	8.4	4.7 - 19.1
Chromium (mg/L)	2	<0.0002	<0.0002	2	<0.0002	<0.0002
Colour (TCU)	62	0.8	<0.5 - 1.7	62	0.8	<0.5 - 1.7
Conductivity (µS/cm)	8	371.9	362.0 - 380.0	8	371.9	362.0 - 380.0
Copper (mg/L)	2	<0.002	<0.002	2	<0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.09	2	<0.1	<0.09 - <0.1
Fluoride (mg/L)	62	0.67	0.61 - 0.72	62	0.67	0.61 - 0.72
Giardia (cysts/100L)	2	<0.1	<0.09	2	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	10.58	9.56 - 11.60	2	10.58	9.56 - 11.60
Iron (mg/L)	2	<0.005	<0.005	2	<0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	2	<0.002	<0.002
Mercury (mg/L)	2	<0.0002	<0.0002	2	<0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	6	0.09	0.09	6	0.09	0.09
Nitrite (as N) dissolved (mg/L)	6	0.01	0.01	6	0.01	0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.00170	<0.0016 - 0.00180	2	<0.0018	<0.0016 - <0.0018
pH	62	8	8	62	8	8
Potassium (mg/L)	2	0.6	0.6	2	0.6	0.6
Sodium (mg/L)	2	6.6	6.3 - 6.8	2	6.6	6.3 - 6.8
Sulphate Dissolved (mg/L)	8	61.2	59.3 - 63.9	8	61.2	59.3 - 63.9
Total Dissolved Solids (mg/L)	2	205.50	200.00 - 211.00	2	205.50	200.00 - 211.00
Total Hardness (mg/L CaCO ₃)	62	175.4	161.0 - 189.0	62	175.4	161.0 - 189.0
Total Organic Carbon (mg/L)	8	0.9	0.8 - 1.1	8	0.9	0.8 - 1.1
Trihalomethanes (µg/L)	62	9.4	5.9 - 19.8	62	9.4	5.9 - 19.8
Turbidity (NTU)	248	0.05	<0.04 - 0.09	62	0.05	<0.04 - 0.09
Uranium (mg/L)	2	0.0005	0.0005	2	0.0005	0.0005
Zinc (mg/L)	2	<0.005	<0.005	2	<0.005	<0.005