

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

December 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO ₃ /L)	62	128.1	116.0 - 140.0	730	115.9	81.0 - 140.0
Aluminum (mg/L)	2	0.103	0.102 - 0.104	24	0.070	0.021 - 0.127
Arsenic (mg/L)	2	<0.0002	<0.0002	24	0.0002	<0.0002 - 0.0002
Bromate Dissolved (mg/L)	12	<0.005	<0.005	106	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	62	0.8	0.5 - 1.4	729	1.1	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	24	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO ₃)	60	123.0	110.0 - 134.0	708	114.6	80.0 - 136.0
Chlorate Dissolved (mg/L)	12	0.15	0.04 - 0.27	106	0.20	<0.1 - 0.49
Chloride Dissolved (mg/L)	12	5.4	3.1 - 6.4	106	6.36	3.09 - 14.20
Chlorine total (mg/L)	62	2.08	1.97 - 2.20	730	2.10	1.88 - 2.32
Chlorite Dissolved (mg/L)	12	<0.005	<0.005	106	<0.2	<0.005 - <0.2
Chloroform (µg/L)	62	14.0	8.7 - 24.2	729	19.7	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	24	<0.0002	<0.0002
Colour (TCU)	62	0.6	<0.5 - 1.3	730	0.9	<0.5 - 2.7
Conductivity (µS/cm)	10	396.4	365.0 - 429.0	105	392.2	339.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	24	0.002	<0.002
Cryptosporidium (oocysts/100L)	4	<0.1	<0.1	32	0.1	<0.09 - 0.1
Fluoride (mg/L)	62	0.70	0.62 - 0.79	730	0.69	0.52 - 0.80
Giardia (cysts/100L)	4	<0.1	<0.1	32	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	15.65	15.40 - 15.90	23	19.5	7.8 - 31.6
Iron (mg/L)	2	<0.005	<0.005	24	0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	24	0.002	<0.002 - 0.005
Mercury (µg/L)	2	<0.0050	<0.0050	14	<0.0050	<0.0050
Mercury (mg/L)				20	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	12	0.09	0.08 - 0.10	104	0.05	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	12	0.02	0.01 - 0.02	104	0.01	<0.01 - 0.02
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	23	0.00142	<0.0009 - 0.00142
pH	62	8	8	730	8	8
Potassium (mg/L)	2	0.7	0.7	24	0.9	0.6 - 1.9
Sodium (mg/L)	2	7.4	7.2 - 7.5	24	11.4	6.3 - 27.2
Sulphate Dissolved (mg/L)	12	64.1	59.3 - 69.7	106	71.3	57.8 - 116.0
Total Dissolved Solids (mg/L)	2	304.00	301.00 - 307.00	24	227.29	52.00 - 307.00
Total Hardness (mg/L CaCO ₃)	62	186.9	167.0 - 204.0	728	173.9	131.0 - 212.0
Total Organic Carbon (mg/L)	10	1.2	1.0 - 1.5	104	1.6	0.8 - 3.4
Trihalomethanes (µg/L)	62	14.9	9.5 - 25.0	729	20.9	4.3 - 84.7
Turbidity (NTU)	62	0.05	<0.04 - 0.12	730	0.05	<0.04 - 0.52
Uranium (mg/L)	2	0.0006	0.0006	24	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	24	0.005	<0.005