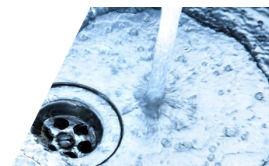


2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

February 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO ₃ /L)	56	130.5	118.0 - 139.0	118	124.7	110.0 - 139.0
Aluminum (mg/L)	2	0.085	0.082 - 0.087	4	0.082	0.076 - 0.087
Arsenic (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Bromate Dissolved (mg/L)	8	<0.005	<0.005	16	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	56	0.9	<0.5 - 1.4	118	0.8	<0.5 - 1.4
Cadmium (mg/L)	2	<0.00002	<0.00002	4	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO ₃)	54	127.7	107.0 - 136.0	114	121.5	105.0 - 136.0
Chlorate Dissolved (mg/L)	8	0.17	0.08 - 0.32	16	0.16	<0.1 - 0.32
Chloride Dissolved (mg/L)	8	5.8	4.9 - 9.0	16	5.49	4.59 - 9.04
Chlorine total (mg/L)	56	2.06	1.91 - 2.17	118	2.08	1.91 - 2.18
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	16	<0.2	<0.005 - <0.2
Chloroform (µg/L)	56	12.3	6.1 - 18.7	118	10.3	4.7 - 19.1
Chromium (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Colour (TCU)	56	1.1	<0.5 - 1.7	118	0.9	<0.5 - 1.7
Conductivity (µS/cm)	8	410.0	366.0 - 440.0	16	390.9	362.0 - 440.0
Copper (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	4	<0.1	<0.09 - <0.1
Fluoride (mg/L)	56	0.69	0.61 - 0.75	118	0.68	0.61 - 0.75
Giardia (cysts/100L)	2	<0.1	<0.1	4	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	20.40	19.00 - 21.80	4	15.49	9.56 - 21.80
Iron (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002
Mercury (µg/L)	2	<0.0050	<0.0050	2	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	8	0.09	0.08 - 0.11	14	0.09	0.08 - 0.11
Nitrite (as N) dissolved (mg/L)	8	0.01	<0.01	14	0.01	<0.01 - 0.01
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	4	<0.0018	<0.0009 - <0.0018
pH	56	8	8	118	8	8
Potassium (mg/L)	2	0.9	0.8 - 0.9	4	0.7	0.6 - 0.9
Sodium (mg/L)	2	7.9	7.8 - 7.9	4	7.2	6.3 - 7.9
Sulphate Dissolved (mg/L)	8	70.0	61.1 - 74.2	16	65.6	59.3 - 74.2
Total Dissolved Solids (mg/L)	2	251.00	245.00 - 257.00	4	228.25	200.00 - 257.00
Total Hardness (mg/L CaCO ₃)	56	194.5	174.0 - 212.0	118	184.4	161.0 - 212.0
Total Organic Carbon (mg/L)	8	1.3	1.0 - 1.6	16	1.1	0.8 - 1.6
Trihalomethanes (µg/L)	56	13.3	6.7 - 19.7	118	11.2	5.9 - 19.8
Turbidity (NTU)	56	0.07	<0.04 - 0.52	118	0.06	<0.04 - 0.52
Uranium (mg/L)	2	0.0006	0.0006	4	0.0006	0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005