

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

January 2026



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO ₃ /L)	62	127.5	119.0 - 136.0	62	127.5	119.0 - 136.0		
Aluminum (mg/L)	2	0.074	0.070 - 0.077	2	0.074	0.070 - 0.077	2.900 (0.100)	
Arsenic (mg/L)	2	0.0002	<0.0002	2	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	8	<0.005	<0.005	8	<0.005	<0.005	0.010	
Bromodichloromethane (µg/L)	62	0.8	<0.50 - 1.2	62	0.8	<0.50 - 1.2		
Cadmium (mg/L)	2	<0.00002	<0.00002	2	<0.00002	<0.00002	0.00700	
Calcium Hardness (mg/L CaCO ₃)	60	123.9	115.0 - 132.0	60	123.9	115.0 - 132.0		
Chlorate Dissolved (mg/L)	8	0.18	0.09 - 0.27	8	0.18	0.09 - 0.27	1.00	
Chloride Dissolved (mg/L)	8	5.7	4.8 - 6.7	8	5.7	4.8 - 6.7	(250.0)	
Chlorine total (mg/L)	62	2.03	1.87 - 2.15	62	2.03	1.87 - 2.15		
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	8	<0.005	<0.005	1.000	
Chloroform (µg/L)	62	13.3	10.1 - 18.9	62	13.3	10.1 - 18.9	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	2	<0.0002	<0.0002	0.0500	
Colour (TCU)	62	0.9	0.5 - 1.7	62	0.9	0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	8	393.3	357.0 - 420.0	8	393.3	357.0 - 420.0		
Copper (mg/L)	2	<0.002	<0.002	2	<0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	2	<0.1	<0.1		
Fluoride (mg/L)	62	0.71	0.64 - 0.77	62	0.71	0.64 - 0.77	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	2	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	17.75	16.90 - 18.60	2	17.75	16.90 - 18.60	80.00	40.00
Iron (mg/L)	2	<0.005	<0.005	2	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	<0.002	<0.002	2	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	2	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	8	0.09	0.08 - 0.10	8	0.09	0.08 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	8	0.02	0.02	8	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	2	<0.0009	<0.0009	0.04000	0.01000
pH	62	8	8	62	8	8		7 - 8
Potassium (mg/L)	2	0.8	0.8	2	0.8	0.8		
Sodium (mg/L)	2	6.9	6.6 - 7.2	2	6.9	6.6 - 7.2	(200.0)	
Sulphate Dissolved (mg/L)	8	64.5	62.0 - 67.8	8	64.5	62.0 - 67.8	(500.0)	
Total Dissolved Solids (mg/L)	2	216.50	214.00 - 219.00	2	216.50	214.00 - 219.00	(500.00)	
Total Hardness (mg/L CaCO ₃)	62	187.0	171.0 - 203.0	62	187.0	171.0 - 203.0		
Total Organic Carbon (mg/L)	8	1.3	1.2 - 1.6	8	1.3	1.2 - 1.6		
Trihalomethanes (µg/L)	62	14.2	10.8 - 19.6	62	14.2	10.8 - 19.6	100.0	50.0
Turbidity (NTU)	62	0.04	<0.04 - 0.08	62	0.04	<0.04 - 0.08	(3.00)	1.00
Uranium (mg/L)	2	0.0005	0.0005	2	0.0005	0.0005	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	2	<0.005	<0.005	(5.000)	