

## 2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

February 2026



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO <sub>3</sub> /L)	56	127.6	119.0 - 139.0	118	127.6	119.0 - 139.0		
Aluminum (mg/L)	2	0.074	0.067 - 0.081	4	0.074	0.067 - 0.081	2.900 (0.100)	
Arsenic (mg/L)	2	0.0002	<0.0002	4	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	8	<0.005	<0.005	16	<0.005	<0.005	0.010	
Bromodichloromethane (µg/L)	56	1.0	0.6 - 1.7	118	0.9	<0.50 - 1.7		
Cadmium (mg/L)	2	<0.00002	<0.00002	4	<0.00002	<0.00002	0.00700	
Calcium Hardness (mg/L CaCO <sub>3</sub> )	56	124.3	114.0 - 136.0	118	124.1	114.0 - 136.0		
Chlorate Dissolved (mg/L)	8	0.19	0.10 - 0.29	16	0.19	0.09 - 0.29	1.00	
Chloride Dissolved (mg/L)	8	6.7	5.5 - 9.6	16	6.2	4.8 - 9.6	(250.0)	
Chlorine total (mg/L)	56	2.01	1.82 - 2.21	118	2.02	1.82 - 2.21		
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	16	<0.005	<0.005	1.000	
Chloroform (µg/L)	56	13.1	8.3 - 19.5	118	13.2	8.3 - 19.5	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	4	<0.0002	<0.0002	0.0500	
Colour (TCU)	56	1.0	<0.5 - 1.7	118	0.9	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	8	397.0	381.0 - 423.0	16	395.1	357.0 - 423.0		
Copper (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	4	<0.1	<0.1		
Fluoride (mg/L)	56	0.71	0.64 - 0.78	118	0.71	0.64 - 0.78	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	4	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	17.40	16.60 - 18.20	4	17.58	16.60 - 18.60	80.00	40.00
Iron (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	<0.002	<0.002	4	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	4	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	8	0.09	0.08 - 0.10	16	0.09	0.08 - 0.10	10.00	
Nitrite (as N) dissolved (mg/L)	8	0.02	0.02	16	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	4	<0.0009	<0.0009	0.04000	0.01000
pH	56	8	8	118	8	8		7 - 8
Potassium (mg/L)	2	0.8	0.7 - 0.8	4	0.8	0.7 - 0.8		
Sodium (mg/L)	2	8.9	8.0 - 9.8	4	7.9	6.6 - 9.8	(200.0)	
Sulphate Dissolved (mg/L)	8	67.9	65.0 - 73.1	16	66.2	62.0 - 73.1	(500.0)	
Total Dissolved Solids (mg/L)	2	224.00	217.00 - 231.00	4	220.25	214.00 - 231.00	(500.00)	
Total Hardness (mg/L CaCO <sub>3</sub> )	56	187.5	176.0 - 204.0	118	187.2	171.0 - 204.0		
Total Organic Carbon (mg/L)	8	1.4	1.3 - 1.7	16	1.4	1.2 - 1.7		
Trihalomethanes (µg/L)	56	14.1	9.0 - 20.7	118	14.2	9.0 - 20.7	100.0	50.0
Turbidity (NTU)	56	0.05	<0.04 - 0.24	118	0.05	<0.04 - 0.24	(3.00)	1.00
Uranium (mg/L)	2	0.0005	0.0005	4	0.0005	0.0005	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	4	<0.005	<0.005	(5.000)	