

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

March 2026



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO ₃ /L)	61	119.9	91.0 - 134.0	179	125.0	91.0 - 139.0		
Aluminum (mg/L)	2	0.126	0.079 - 0.172	6	0.091	0.067 - 0.172	2.900 (0.100)	
Arsenic (mg/L)	2	<0.0002	<0.0002	6	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	10	<0.005	<0.005	26	0.005	<0.005	0.010	
Bromodichloromethane (µg/L)	61	0.9	<0.5 - 2.0	179	0.9	<0.5 - 2.0		
Cadmium (mg/L)	2	<0.00002	<0.00002	6	<0.00002	<0.00002	0.00700	
Calcium Hardness (mg/L CaCO ₃)	61	119.0	98.0 - 132.0	179	122.4	98.0 - 136.0		
Chlorate Dissolved (mg/L)	10	0.20	0.09 - 0.50	26	0.19	0.09 - 0.50	1.00	
Chloride Dissolved (mg/L)	10	8.8	5.5 - 16.2	26	7.2	4.8 - 16.2	(250.0)	
Chlorine total (mg/L)	61	2.00	1.83 - 2.14	179	2.01	1.82 - 2.21		
Chlorite Dissolved (mg/L)	10	0.020	<0.005 - 0.136	26	0.011	<0.005 - 0.136	1.000	
Chloroform (µg/L)	61	9.8	4.8 - 16.1	179	12.1	4.8 - 19.5	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	6	<0.0002	<0.0002	0.0500	
Colour (TCU)	61	0.8	<0.5 - 1.5	179	0.9	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	10	416.2	397.0 - 434.0	26	403.2	357.0 - 434.0		
Copper (mg/L)	2	<0.002	<0.002	6	<0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	6	<0.1	<0.1		
Fluoride (mg/L)	61	0.71	0.63 - 0.78	179	0.71	0.63 - 0.78	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	6	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	14.60	14.40 - 14.80	6	16.58	14.40 - 18.60	80.00	40.00
Iron (mg/L)	2	<0.005	<0.005	6	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	<0.002	<0.002	6	<0.002	<0.002	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	6	<0.0050	<0.0050	1.0000	
Nitrate (as N) dissolved (mg/L)	10	0.12	0.09 - 0.22	26	0.10	0.08 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	10	0.02	0.02	26	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.00097	<0.0009 - 0.00104	6	0.00092	<0.0009 - 0.00104	0.04000	0.01000
pH	61	8	8	179	8	8		7 - 8
Potassium (mg/L)	2	0.7	0.7	6	0.8	0.7 - 0.8		
Sodium (mg/L)	2	7.5	7.2 - 7.8	6	7.8	6.6 - 9.8	(200.0)	
Sulphate Dissolved (mg/L)	10	76.8	67.7 - 95.5	26	70.3	62.0 - 95.5	(500.0)	
Total Dissolved Solids (mg/L)	2	233.00	229.00 - 237.00	6	224.50	214.00 - 237.00	(500.00)	
Total Hardness (mg/L CaCO ₃)	61	181.0	146.0 - 204.0	179	185.1	146.0 - 204.0		
Total Organic Carbon (mg/L)	10	1.4	0.9 - 1.8	26	1.4	0.9 - 1.8		
Trihalomethanes (µg/L)	61	10.9	5.5 - 18.3	179	13.1	5.5 - 20.7	100.0	50.0
Turbidity (NTU)	61	0.05	<0.04 - 0.32	179	0.05	<0.04 - 0.32	(3.00)	1.00
Uranium (mg/L)	2	0.0006	0.0005 - 0.0006	6	0.0005	0.0005 - 0.0006	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	6	<0.005	<0.005	(5.000)	