

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

June 2026



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO ₃ /L)	60	103.9	79.0 - 117.0	360	116.6	79.0 - 139.0		
Aluminum (mg/L)	2	0.044	0.039 - 0.049	12	0.064	0.016 - 0.172	2.900 (0.100)	
Arsenic (mg/L)	2	0.0002	<0.0002	12	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	10	0.006	<0.005 - 0.010	56	0.005	<0.005 - 0.010	0.010	
Bromodichloromethane (µg/L)	60	1.5	0.8 - 2.6	360	1.1	<0.5 - 2.6		
Cadmium (mg/L)	2	<0.00002	<0.00002	12	<0.00002	<0.00002	0.00700	
Calcium Hardness (mg/L CaCO ₃)	60	113.7	103.0 - 132.0	360	116.9	96.0 - 136.0		
Chlorate Dissolved (mg/L)	10	0.21	0.11 - 0.35	56	0.20	0.09 - 0.50	1.00	
Chloride Dissolved (mg/L)	10	8.4	6.7 - 9.6	56	7.5	4.8 - 16.2	(250.0)	
Chlorine total (mg/L)	60	2.07	1.72 - 2.24	361	2.03	1.54 - 2.27		
Chlorite Dissolved (mg/L)	10	0.006	<0.005 - 0.010	56	0.008	<0.005 - 0.136	1.000	
Chloroform (µg/L)	60	22.5	11.9 - 35.1	360	14.2	3.8 - 35.1	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	12	0.0002	<0.0002	0.0500	
Colour (TCU)	60	0.9	<0.5 - 1.5	360	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	10	472.3	388.0 - 609.0	53	413.0	357.0 - 609.0		
Copper (mg/L)	2	<0.002	<0.002	12	0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	12	<0.1	<0.1		
Fluoride (mg/L)	60	0.67	0.61 - 0.76	360	0.70	0.61 - 0.78	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	12	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	17.7	16.0 - 19.3	12	16.3	11.3 - 19.3	80.0	40.0
Iron (mg/L)	2	<0.005	<0.005	12	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	<0.002	<0.002	12	0.002	<0.002 - 0.003	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	14	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	10	0.10	0.07 - 0.19	56	0.08	0.02 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	10	0.02	0.02	56	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.00135	<0.00108 - 0.00162	12	0.00108	<0.0009 - 0.00108	0.0400	0.0100
pH	60	8	8	360	8	8		7 - 8
Potassium (mg/L)	2	0.9	0.8 - 0.9	12	1.0	0.7 - 2.0		
Sodium (mg/L)	2	13.5	12.5 - 14.4	12	11.4	6.6 - 21.6	(200.0)	
Sulphate Dissolved (mg/L)	10	98.7	77.9 - 122.0	56	77.6	62.0 - 122.0	(500.0)	
Total Dissolved Solids (mg/L)	2	253.00	250.00 - 256.00	12	227.83	213.00 - 256.00	(500.00)	
Total Hardness (mg/L CaCO ₃)	60	168.2	153.0 - 186.0	360	176.2	146.0 - 204.0		
Total Organic Carbon (mg/L)	10	2.5	1.2 - 3.3	52	1.6	0.9 - 3.3		
Trihalomethanes (µg/L)	60	24.2	13.4 - 37.4	360	15.5	5.3 - 37.4	100.0	50.0
Turbidity (NTU)	60	0.05	<0.04 - 0.13	360	0.05	<0.04 - 0.32	(3.00)	1.00
Uranium (mg/L)	2	<0.0005	<0.0005	12	0.0005	<0.0005 - 0.0006	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	12	<0.005	<0.005	(5.000)	