

2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

July 2026



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO ₃ /L)	62	113.7	89.0 - 143.0	422	116.2	79.0 - 143.0		
Aluminum (mg/L)	2	0.015	0.011 - 0.018	14	0.057	0.011 - 0.172	2.900 (0.100)	
Arsenic (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	8	<0.005	<0.005	64	0.005	<0.005 - 0.010	0.010	
Bromodichloromethane (µg/L)	62	1.9	1.1 - 3.9	422	1.2	<0.5 - 3.9		
Cadmium (mg/L)	2	0.00003	0.00002 - 0.00003	14	0.00002	<0.00002 - 0.00003	0.00700	
Calcium Hardness (mg/L CaCO ₃)	62	122.6	107.0 - 215.0	422	117.8	96.0 - 215.0		
Chlorate Dissolved (mg/L)	8	0.07	0.03 - 0.13	64	0.18	0.03 - 0.50	1.00	
Chloride Dissolved (mg/L)	8	6.6	5.0 - 8.9	64	7.4	4.8 - 16.2	(250.0)	
Chlorine total (mg/L)	62	2.15	1.91 - 2.28	423	2.05	1.54 - 2.28		
Chlorite Dissolved (mg/L)	8	<0.005	<0.005	64	0.007	<0.005 - 0.136	1.000	
Chloroform (µg/L)	62	34.1	18.4 - 48.5	422	17.1	3.8 - 48.5	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	14	0.0002	<0.0002	0.0500	
Colour (TCU)	62	0.9	<0.5 - 1.6	422	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	8	429.1	385.0 - 501.0	61	415.1	357.0 - 609.0		
Copper (mg/L)	2	<0.002	<0.002	14	0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	14	<0.1	<0.1		
Fluoride (mg/L)	62	0.69	0.60 - 0.78	422	0.70	0.60 - 0.78	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	14	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	19.3	18.8 - 19.7	14	16.7	11.3 - 19.7	80.0	40.0
Iron (mg/L)	2	<0.005	<0.005	14	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	0.003	<0.002 - 0.004	14	0.002	<0.002 - 0.004	0.120 (0.020)	
Mercury (µg/L)	2	<0.0050	<0.0050	16	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	8	0.07	0.04 - 0.08	64	0.08	0.02 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	8	0.02	0.02	64	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.0022	0.0022	14	0.00221	<0.0009 - 0.0022	0.0400	0.0100
pH	62	8	8	422	8	8		7 - 8
Potassium (mg/L)	2	1.3	1.2 - 1.4	14	1.1	0.7 - 2.0		
Sodium (mg/L)	2	28.3	21.9 - 34.7	14	13.8	6.6 - 34.7	(200.0)	
Sulphate Dissolved (mg/L)	8	91.5	78.2 - 123.0	64	79.4	62.0 - 123.0	(500.0)	
Total Dissolved Solids (mg/L)	2	302.00	287.00 - 317.00	14	238.43	213.00 - 317.00	(500.00)	
Total Hardness (mg/L CaCO ₃)	62	179.5	165.0 - 264.0	422	176.7	146.0 - 264.0		
Total Organic Carbon (mg/L)	8	2.2	1.7 - 2.7	60	1.7	0.9 - 3.3		
Trihalomethanes (µg/L)	62	36.2	20.0 - 51.5	422	18.5	5.3 - 51.5	100.0	50.0
Turbidity (NTU)	62	0.05	<0.04 - 0.10	422	0.05	<0.04 - 0.32	(3.00)	1.00
Uranium (mg/L)	2	<0.0005	<0.0005	14	0.0005	<0.0005 - 0.0006	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	14	<0.005	<0.005	(5.000)	