

## 2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

May 2026



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range	MAC (AO or OG)	EPCOR Target
Alkalinity total (mg CaCO <sub>3</sub> /L)	61	114.0	107.0 - 124.0	300	119.2	91.0 - 139.0		
Aluminum (mg/L)	2	0.051	0.049 - 0.053	10	0.068	0.016 - 0.172	2.900 (0.100)	
Arsenic (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002 - 0.0002	0.0100	
Bromate Dissolved (mg/L)	10	<0.005	<0.005	46	0.005	<0.005	0.010	
Bromodichloromethane (µg/L)	61	1.3	0.9 - 2.2	300	1.0	<0.5 - 2.2		
Cadmium (mg/L)	2	<0.00002	<0.00002	10	<0.00002	<0.00002	0.00700	
Calcium Hardness (mg/L CaCO <sub>3</sub> )	61	113.6	110.0 - 120.0	300	117.6	96.0 - 136.0		
Chlorate Dissolved (mg/L)	10	0.21	0.12 - 0.34	46	0.19	0.09 - 0.50	1.00	
Chloride Dissolved (mg/L)	10	6.8	5.8 - 7.2	46	7.4	4.8 - 16.2	(250.0)	
Chlorine total (mg/L)	62	2.08	1.54 - 2.27	301	2.03	1.54 - 2.27		
Chlorite Dissolved (mg/L)	10	<0.005	<0.005	46	0.008	<0.005 - 0.136	1.000	
Chloroform (µg/L)	61	19.1	13.1 - 34.0	300	12.5	3.8 - 34.0	(40.0)	
Chromium (mg/L)	2	<0.0002	<0.0002	10	0.0002	<0.0002	0.0500	
Colour (TCU)	61	0.7	<0.5 - 1.2	300	0.8	<0.5 - 1.7	(15.0)	10.0
Conductivity (µS/cm)	8	390.0	373.0 - 398.0	43	399.2	357.0 - 434.0		
Copper (mg/L)	2	<0.002	<0.002	10	0.002	<0.002	2.000 (1.000)	
Cryptosporidium (oocysts/100L)	2	<0.1	<0.1	10	<0.1	<0.1		
Fluoride (mg/L)	61	0.71	0.66 - 0.78	300	0.70	0.62 - 0.78	1.50	0.60 - 0.80
Giardia (cysts/100L)	2	<0.1	<0.1	10	<0.1	<0.1		
Haloacetic acids total (HAA5) (µg/L)	2	17.9	16.9 - 18.8	10	16.0	11.3 - 18.8	80.0	40.0
Iron (mg/L)	2	<0.005	<0.005	10	<0.005	<0.005	(0.100)	
Manganese (mg/L)	2	<0.002	<0.002	10	0.002	<0.002 - 0.003	0.120 (0.020)	
Mercury (µg/L)	4	<0.0050	<0.0050	12	<0.0050	<0.0050	1.000	
Nitrate (as N) dissolved (mg/L)	10	0.02	0.02 - 0.03	46	0.08	0.02 - 0.22	10.00	
Nitrite (as N) dissolved (mg/L)	10	0.02	0.02	46	0.02	0.02	1.00	
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	0.0010	0.0009 - 0.0011	10	0.0009	<0.0009 - 0.0011	0.0400	0.0100
pH	61	8	8	300	8	8		7 - 8
Potassium (mg/L)	2	1.0	0.9 - 1.0	10	1.0	0.7 - 2.0		
Sodium (mg/L)	2	12.5	11.3 - 13.7	10	11.0	6.6 - 21.6	(200.0)	
Sulphate Dissolved (mg/L)	10	74.9	69.4 - 84.6	46	73.1	62.0 - 95.5	(500.0)	
Total Dissolved Solids (mg/L)	2	221.50	213.00 - 230.00	10	222.80	213.00 - 237.00	(500.00)	
Total Hardness (mg/L CaCO <sub>3</sub> )	61	172.1	166.0 - 181.0	300	177.8	146.0 - 204.0		
Total Organic Carbon (mg/L)	8	1.6	1.5 - 1.7	42	1.4	0.9 - 1.8		
Trihalomethanes (µg/L)	61	20.9	14.8 - 36.2	300	13.8	5.3 - 36.2	100.0	50.0
Turbidity (NTU)	61	0.04	<0.04 - 0.07	300	0.05	<0.04 - 0.32	(3.00)	1.00
Uranium (mg/L)	2	<0.0005	<0.0005	10	0.0005	<0.0005 - 0.0006	0.0200	
Zinc (mg/L)	2	<0.005	<0.005	10	<0.005	<0.005	(5.000)	