

## 2.1.1 SUMMARY OF PARAMETERS FOR EDMONTON DRINKING WATER

Water Treatment Plants

September 2025



Parameter (Units)	#	Mean	Range	YTD #	YTD Mean	YTD Range
Alkalinity total (mg CaCO <sub>3</sub> /L)	60	111.3	104.0 - 123.0	545	114.2	81.0 - 139.0
Aluminum (mg/L)	2	0.103	0.101 - 0.105	18	0.063	0.021 - 0.127
Arsenic (mg/L)	2	<0.0002	<0.0002	18	0.0002	<0.0002 - 0.0002
Bromate Dissolved (mg/L)	10	<0.005	<0.005	78	<0.005	<0.003 - <0.005
Bromodichloromethane (µg/L)	60	1.4	0.8 - 2.4	545	1.1	<0.5 - 2.6
Cadmium (mg/L)	2	<0.00002	<0.00002	18	<0.00002	<0.00002
Calcium Hardness (mg/L CaCO <sub>3</sub> )	58	107.0	80.0 - 120.0	530	114.5	80.0 - 136.0
Chlorate Dissolved (mg/L)	10	0.20	0.11 - 0.34	78	0.20	<0.1 - 0.49
Chloride Dissolved (mg/L)	10	5.8	4.7 - 7.4	78	6.67	4.59 - 14.20
Chlorine total (mg/L)	60	2.19	1.99 - 2.29	546	2.11	1.89 - 2.32
Chlorite Dissolved (mg/L)	10	<0.005	<0.005	78	<0.2	<0.005 - <0.2
Chloroform (µg/L)	60	22.6	11.7 - 38.1	545	21.5	3.5 - 82.8
Chromium (mg/L)	2	<0.0002	<0.0002	18	0.0002	<0.0002
Colour (TCU)	60	0.9	<0.5 - 1.9	546	1.0	<0.5 - 2.7
Conductivity (µS/cm)	10	368.6	339.0 - 412.0	78	397.3	339.0 - 476.0
Copper (mg/L)	2	<0.002	<0.002	18	0.002	<0.002
Cryptosporidium (oocysts/100L)	3	0.1	<0.1	19	<0.1	<0.09 - <0.1
Fluoride (mg/L)	60	0.70	0.65 - 0.77	545	0.69	0.59 - 0.78
Giardia (cysts/100L)	3	0.1	<0.1	19	<0.1	<0.09 - <0.1
Haloacetic acids total (HAA5) (µg/L)	2	22.3	22.0 - 22.6	17	20.7	7.8 - 31.6
Iron (mg/L)	2	<0.005	<0.005	18	0.005	<0.005
Manganese (mg/L)	2	<0.002	<0.002	18	0.002	<0.002 - 0.005
Mercury (µg/L)	2	<0.0050	<0.0050	8	<0.0050	<0.0050
Mercury (mg/L)	2	<0.0002	<0.0002	18	0.0002	<0.0002
Nitrate (as N) dissolved (mg/L)	10	0.02	<0.01 - 0.02	76	0.05	<0.01 - 0.18
Nitrite (as N) dissolved (mg/L)	10	0.01	0.01 - 0.02	76	0.01	<0.01 - 0.02
Nitrosodimethylamine, N- [NDMA] (µg/L)	2	<0.0009	<0.0009	17	0.00142	<0.0009 - 0.00142
pH	60	8	8	545	8	8
Potassium (mg/L)	2	0.7	0.7	18	0.9	0.6 - 1.9
Sodium (mg/L)	2	8.0	7.0 - 9.0	18	12.8	6.3 - 27.2
Sulphate Dissolved (mg/L)	10	67.2	61.4 - 74.8	78	74.7	59.3 - 116.0
Total Dissolved Solids (mg/L)	2	200.00	196.00 - 204.00	18	223.17	52.00 - 267.00
Total Hardness (mg/L CaCO <sub>3</sub> )	60	164.2	154.0 - 182.0	544	173.1	131.0 - 212.0
Total Organic Carbon (mg/L)	10	1.3	1.0 - 1.5	78	1.6	0.8 - 3.4
Trihalomethanes (µg/L)	60	24.1	13.1 - 40.3	545	22.7	4.3 - 84.7
Turbidity (NTU)	60	0.04	<0.04 - 0.08	546	0.05	<0.04 - 0.52
Uranium (mg/L)	2	<0.0005	<0.0005	18	0.0005	<0.0005 - 0.0006
Zinc (mg/L)	2	<0.005	<0.005	18	0.005	<0.005