

**2.1.2 SUMMARY OF MAJOR CHEMICALS, MICROBIOLOGICAL, AND PHYSICAL  
PARAMETERS OF EDMONTON DRINKING WATER PRODUCED  
AT WATER TREATMENT PLANTS**

**November 2023**

<b>Parameter</b>	<b>Unit</b>	<b>Monthly Count</b>	<b>Monthly Average</b>	<b>YTD Median</b>	<b>YTD Min</b>	<b>YTD Max</b>	<b>YTD Count</b>
Alkalinity Total	mg CaCO <sub>3</sub> /L	60	120	116	89	162	668
Aluminum	mg/L	2	0.109	0.073	0.026	0.204	22
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0003	22
Bromate Dissolved	mg/L	9	<0.005	<0.005	<0.005	<0.005	97
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	<0.5	668
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Calcium Hardness	mg/L CaCO <sub>3</sub>	60	110	112	87	150	668
Chlorate Dissolved	mg/L	9	0.152	0.131	0.060	0.270	97
Chloride Dissolved	mg/L	9	5.76	5.90	4.44	11.80	97
Chlorite Dissolved	mg/L	9	<0.01	<0.01	<0.01	<0.01	97
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Colour	TCU	60	1.3	0.8	<0.5	2.3	668
Conductivity	µS/cm	9	358	370	335	458	97
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	22
Cryptosporidium	oocysts/100L	3	<0.1	<0.1	<0.1	<0.1	26
Fluoride	mg/L	60	0.70	0.69	0.58	0.79	668
Giardia	cysts/100L	3	<0.1	<0.1	<0.1	<0.1	26
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	22
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	22
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Nitrate (as N) Dissolved	mg/L	9	0.053	0.040	<0.010	0.149	97
Nitrite (as N) Dissolved	mg/L	9	<0.01	<0.01	<0.01	<0.01	97
pH	N/A	60	8.0	7.8	7.1	8.4	668
Potassium	mg/L	2	0.70	0.75	0.70	0.90	22
Sodium	mg/L	2	7.64	8.60	5.90	19.20	22
Sulphate Dissolved	mg/L	9	55.6	63.6	52.8	115.0	97
Total Chlorine	N/A	60	2.29	2.09	1.79	2.60	670
Total Dissolved Solids	mg/L	2	205	216	190	252	22
Total Hardness	mg/L CaCO <sub>3</sub>	60	167	169	101	198	668
Total Organic Carbon	mg/L C	9	1.4	1.4	<0.6	3.2	97
Trihalomethanes	mg/L	60	0.018	0.016	0.002	0.038	668
Turbidity	NTU	60	0.06	0.05	<0.04	0.11	670
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	22
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	22
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	670
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	670