

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

**December 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 CaCO3/L	62	122	117	89	162	730
Aluminum	mg/L	2	0.089	0.075	0.026	0.204	24
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0003	24
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	105
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	730
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Calcium Hardness	mg/L CaCO3	62	115	112	87	150	730
Chlorate Dissolved	mg/L	8	0.156	0.131	0.060	0.288	105
Chloride Dissolved	mg/L	8	5.89	5.89	4.44	11.80	105
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	105
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Colour	TCU	62	1.3	0.9	<0.5	2.4	730
Conductivity	µS/cm	8	377	371	335	458	105
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	24
Cryptosporidium	oocysts/100L	0		<0.1	<0.1	<0.1	26
Fluoride	mg/L	62	0.71	0.69	0.58	0.79	730
Giardia	cysts/100L	0		<0.1	<0.1	<0.1	26
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	24
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	24
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Nitrate (as N) Dissolved	mg/L	8	0.077	0.050	<0.010	0.149	105
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	105
pH	N/A	62	7.9	7.9	7.1	8.4	730
Potassium	mg/L	2	0.77	0.75	0.70	0.90	24
Sodium	mg/L	2	8.09	8.50	5.90	19.20	24
Sulphate Dissolved	mg/L	8	60.1	63.3	52.8	115.0	105
Total Chlorine	N/A	62	2.20	2.10	1.79	2.60	732
Total Dissolved Solids	mg/L	2	219	216	190	252	24
Total Hardness	mg/L CaCO3	62	174	169	101	198	730
Total Organic Carbon	mg/L C	8	1.5	1.4	<0.6	3.2	105
Trihalomethanes	mg/L	62	0.015	0.016	0.002	0.038	730
Turbidity	NTU	62	0.06	0.05	<0.04	0.11	732
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	24
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	24
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	732
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	732