

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

**December 2022**

<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	62	130	121	90	143	730
Aluminum	mg/L	2	0.103	0.082	0.018	0.176	25
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0003	25
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	107
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	726
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	25
Calcium Hardness	mg/L CaCO <sub>3</sub>	62	116	111	93	198	730
Chlorate Dissolved	mg/L	8	0.119	0.129	<0.100	0.264	107
Chloride Dissolved	mg/L	8	5.04	5.63	4.34	12.20	107
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	107
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	25
Colour	TCU	62	0.9	0.7	<0.5	2.1	730
Conductivity	µS/cm	8	374	372	320	527	105
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	25
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	9.6	32
Fluoride	mg/L	62	0.70	0.68	0.59	0.77	730
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	9.6	32
Haloacetic Acids, total (HAA5)	ug/L	2	15.0	17.4	12.2	37.8	23
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	25
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	25
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0070	25
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	25
Nitrate (as N) Dissolved	mg/L	8	0.073	0.050	<0.010	0.263	107
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	107
pH	N/A	62	7.8	7.8	7.4	8.2	730
Potassium	mg/L	2	0.86	0.80	0.40	2.20	25
Sodium	mg/L	2	6.84	7.60	6.10	36.20	25
Sulphate Dissolved	mg/L	8	56.9	59.4	51.5	142.0	107
Total Chlorine	mg/L	62	2.06	2.07	1.18	2.32	730
Total Dissolved Solids	mg/L	2	219	220	186	279	25
Total Hardness	mg/L CaCO <sub>3</sub>	62	176	170	142	246	730
Total Organic Carbon	mg/L C	8	1.2	1.2	<0.6	9.9	105
Trihalomethanes	mg/L	62	0.010	0.011	0.003	0.042	726
Turbidity	NTU	62	0.06	0.05	<0.04	0.16	730
Uranium	mg/L	2	0.0006	<0.0005	<0.0005	0.0006	25
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	25
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	729
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	729