

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

**August 2024**

<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	114	119	8	141	484
Aluminum	mg/L	2	0.072	0.036	0.023	0.090	16
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	70
Bromodichloromethane	µg/L	61	1.5	1.1	<0.5	2.6	485
Cadmium	mg/L	2	<0.0000	<0.0002	<0.0002	<0.0002	16
Calcium Hardness	mg/L CaCO3	60	113	116	96	141	476
Chlorate Dissolved	mg/L	8	0.177	0.183	<0.100	0.332	70
Chloride Dissolved	mg/L	8	5.81	6.35	4.78	12.10	70
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	70
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Colour	TCU	62	1.0	0.9	<0.5	1.9	484
Conductivity	µS/cm	8	388	403	342	453	70
Copper	mg/L	2	<0.0020	<0.0050	<0.0050	<0.0050	16
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Fluoride	mg/L	62	0.67	0.68	0.62	0.79	484
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	16
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	16
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Nitrate (as N) Dissolved	mg/L	8	0.013	0.060	<0.010	0.170	70
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	0.02	70
pH	N/A	62	7.9	7.9	7.6	8.3	485
Potassium	mg/L	2	0.80	0.80	0.70	1.10	16
Sodium	mg/L	2	13.35	11.70	6.80	18.90	16
Sulphate Dissolved	mg/L	8	71.4	73.2	59.5	95.1	70
Total Chlorine	N/A	62	2.21	2.16	1.87	2.40	484
Total Dissolved Solids	mg/L	2	244	233	195	252	16
Total Hardness	mg/L CaCO3	60	172	177	145	218	476
Total Organic Carbon	mg/L C	8	1.7	1.5	0.9	2.8	70
Trihalomethanes	mg/L	61	0.027	0.016	0.005	0.040	485
Turbidity	NTU	62	0.06	<0.04	<0.04	0.16	484
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	16
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	16
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	484
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	484