

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

**January 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 CaCO3/L	62	131	133	119	142	62
Aluminum	mg/L	2	0.091	0.091	0.090	0.091	2
Arsenic	mg/L	2	0.0003	0.0003	<0.0002	0.0003	2
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	8
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	62
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Calcium Hardness	mg/L CaCO3	62	117	118	102	126	62
Chlorate Dissolved	mg/L	8	0.115	0.121	0.070	0.171	8
Chloride Dissolved	mg/L	8	6.59	5.85	5.12	11.90	8
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	8
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	62	0.8	0.7	<0.5	1.4	62
Conductivity	µS/cm	8	391	396	362	406	8
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
Fluoride	mg/L	62	0.67	0.67	0.64	0.72	62
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
Haloacetic Acids, total (HAA5)	ug/L	2	18.3	18.6	17.4	19.7	2
Hardness, Total	mg/L CaCO3	62	181	184	161	198	62
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	2
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Nitrate (as N) Dissolved	mg/L	8	0.085	0.080	0.080	0.100	8
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	8
pH	N/A	62	7.9	7.9	7.7	8.1	62
Potassium	mg/L	2	0.80	0.80	0.80	0.80	2
Sodium	mg/L	2	8.14	8.05	7.60	8.50	2
Sulphate Dissolved	mg/L	8	60.5	60.6	58.5	62.6	8
Total Chlorine	mg/L	62	2.05	2.07	1.94	2.20	62
Total Dissolved Solids	mg/L	2	241	241	240	241	2
Total Organic Carbon	mg/L C	8	1.1	1.1	<0.6	1.3	8
Trihalomethanes	mg/L	62	0.010	0.010	0.007	0.016	62
Turbidity	NTU	62	0.05	0.05	<0.04	0.07	62
Uranium	mg/L	2	0.0006	0.0006	0.0006	0.0006	2
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	62
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	62