

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

**February 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	57	124	126	118	142	119
Aluminum	mg/L	3	0.076	0.077	0.075	0.091	5
Arsenic	mg/L	3	<0.0002	<0.0002	<0.0002	0.0003	5
Bromate Dissolved	mg/L	9	<0.005	<0.005	<0.005	<0.005	17
Bromodichloromethane	µg/L	57	<0.5	<0.5	<0.5	<0.5	119
Cadmium	mg/L	3	<0.0002	<0.0002	<0.0002	<0.0002	5
Calcium Hardness	mg/L CaCO3	57	110	112	100	126	119
Chlorate Dissolved	mg/L	9	0.120	0.111	0.070	0.201	17
Chloride Dissolved	mg/L	9	5.62	5.69	5.12	11.90	17
Chlorite Dissolved	mg/L	9	<0.01	<0.01	<0.01	<0.01	17
Chromium	mg/L	3	<0.0002	<0.0002	<0.0002	<0.0002	5
Colour	TCU	57	0.7	0.7	<0.5	1.4	119
Conductivity	µS/cm	9	360	364	353	406	17
Copper	mg/L	3	<0.0050	<0.0050	<0.0050	<0.0050	5
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Fluoride	mg/L	57	0.68	0.68	0.64	0.72	119
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Haloacetic Acids, total (HAA5)	ug/L	2	13.4	16.1	12.4	19.7	4
Hardness, Total	mg/L CaCO3	57	168	173	159	198	119
Iron	mg/L	3	<0.0050	<0.0050	<0.0050	<0.0050	5
Lead	mg/L	3	<0.0002	<0.0002	<0.0002	<0.0002	5
Manganese	mg/L	3	<0.0020	<0.0020	<0.0020	<0.0020	5
Mercury	mg/L	3	<0.0002	<0.0002	<0.0002	<0.0002	5
Nitrate (as N) Dissolved	mg/L	9	0.086	0.080	0.080	0.100	17
Nitrite (as N) Dissolved	mg/L	9	<0.01	<0.01	<0.01	<0.01	17
pH	N/A	57	7.9	7.9	7.7	8.2	119
Potassium	mg/L	3	0.54	0.60	0.40	0.80	5
Sodium	mg/L	3	6.88	7.00	6.80	8.50	5
Sulphate Dissolved	mg/L	9	57.3	58.6	54.7	62.6	17
Total Chlorine	mg/L	57	2.05	2.06	1.89	2.21	119
Total Dissolved Solids	mg/L	3	215	216	215	241	5
Total Organic Carbon	mg/L C	9	1.0	1.1	<0.6	1.3	17
Trihalomethanes	mg/L	57	0.009	0.009	0.007	0.016	119
Turbidity	NTU	57	0.04	<0.04	<0.04	0.07	119
Uranium	mg/L	3	<0.0005	<0.0005	<0.0005	0.0006	5
Zinc	mg/L	3	<0.0050	<0.0050	<0.0050	<0.0050	5
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	57	Absent	Absent	Absent	Absent	119
E. coli	PA/100mL	57	Absent	Absent	Absent	Absent	119