

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

**March 2021**

<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	128	134	115	145	180
Aluminum	mg/L	2	0.080	0.091	0.074	0.104	6
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	32
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	180
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Calcium Hardness	mg CaCO3/L	62	114	117	87	134	180
Chlorate Dissolved	mg/L	10	0.099	0.119	0.050	0.178	32
Chloride Dissolved	mg/L	10	6.94	5.78	4.76	10.80	32
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	32
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Colour	TCU	62	1.0	1.1	<0.5	2.4	180
Conductivity	µS/cm	10	395	385	363	421	26
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
Cryptosporidium	oocysts/100L	10	<0.1	<0.1	<0.1	<0.1	17
Fluoride	mg/L	62	0.66	0.68	0.61	0.72	180
Giardia	cysts/100L	10	<0.1	<0.1	<0.1	<0.1	17
Haloacetic Acids, total (HAA5)	ug/L	2	19.8	19.5	16.3	22.1	6
Hardness, Total	mg CaCO3/L	62	177	182	165	203	180
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	6
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Nitrate (as N) Dissolved	mg/L	10	0.106	0.070	0.070	0.175	32
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	32
pH	N/A	62	7.9	7.9	7.5	8.2	180
Potassium	mg/L	2	0.76	0.80	0.70	0.80	6
Sodium	mg/L	2	7.74	7.75	7.30	8.40	6
Sulphate Dissolved	mg/L	10	61.3	53.6	49.9	67.7	32
Total Chlorine	mg/L	62	2.03	2.07	1.44	2.26	180
Total Dissolved Solids	mg/L	2	241	232	218	253	6
Total Organic Carbon	mg/L C	10	1.4	1.4	1.1	1.8	26
Trihalomethanes	mg/L	62	0.009	0.012	0.004	0.023	180
Turbidity	NTU	62	0.05	0.05	0.03	0.10	180
Uranium	mg/L	2	0.0005	0.0006	0.0005	0.0006	6
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	180
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	180