

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

January 2023

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO ₃ /L	62	121	122	113	129	62
Aluminum	mg/L	2	0.073	0.073	0.073	0.073	2
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	10
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 CaCO ₃	62	109	110	102	114	62
Chlorate Dissolved	mg/L	10	0.117	0.129	0.090	0.184	10
Chloride Dissolved	mg/L	10	5.23	5.44	4.44	5.89	10
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	10
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	62	0.8	0.8	<0.5	1.8	62
Conductivity	µS/cm	10	358	358	346	370	10
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	0.69	0.70	0.64	0.78	62
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
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	10	0.067	0.070	0.060	0.070	10
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	10
pH	N/A	62	7.6	7.7	7.4	7.9	62
Potassium	mg/L	2	0.70	0.70	0.70	0.70	2
Sodium	mg/L	2	6.18	6.35	5.90	6.80	2
Sulphate Dissolved	mg/L	10	55.2	55.0	52.8	57.4	10
Total Chlorine	N/A	62	2.02	2.03	1.92	2.16	62
Total Dissolved Solids	mg/L	2	195	194	190	197	2
Total Hardness	mg/L CaCO ₃	62	165	166	157	174	62
Total Organic Carbon	mg/L C	10	1.1	1.1	1.0	1.2	10
Trihalomethanes	mg/L	62	0.009	0.009	0.007	0.013	62
Turbidity	NTU	62	0.05	0.05	<0.04	0.08	62
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	2
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	62
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	62