

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

February 2023

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO ₃ /L	56	129	125	113	138	118
Aluminum	mg/L	2	0.079	0.076	0.073	0.082	4
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	18
Bromodichloromethane	µg/L	56	<0.5	<0.5	<0.5	<0.5	118
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Calcium Hardness	mg/L CaCO ₃	56	116	112	102	128	118
Chlorate Dissolved	mg/L	8	0.112	0.127	0.090	0.184	18
Chloride Dissolved	mg/L	8	5.96	5.52	4.44	6.97	18
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	18
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Colour	TCU	56	0.9	0.8	<0.5	1.8	118
Conductivity	µS/cm	8	382	364	346	409	18
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Fluoride	mg/L	56	0.69	0.70	0.63	0.78	118
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	4
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Nitrate (as N) Dissolved	mg/L	8	0.069	0.070	0.060	0.070	18
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	18
pH	N/A	56	7.7	7.7	7.4	7.9	118
Potassium	mg/L	2	0.70	0.70	0.70	0.70	4
Sodium	mg/L	2	8.34	7.50	5.90	8.40	4
Sulphate Dissolved	mg/L	8	60.2	56.4	52.8	65.7	18
Total Chlorine	N/A	56	2.03	2.03	1.88	2.16	118
Total Dissolved Solids	mg/L	2	214	203	190	224	4
Total Hardness	mg/L CaCO ₃	56	177	170	157	194	118
Total Organic Carbon	mg/L C	8	1.4	1.2	1.0	1.6	18
Trihalomethanes	mg/L	56	0.010	0.010	0.007	0.014	118
Turbidity	NTU	56	0.05	0.05	<0.04	0.08	118
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	4
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
Bacteriological Data							
Coliforms, total	PA/100mL	56	Absent	Absent	Absent	Absent	118
E. coli	PA/100mL	56	Absent	Absent	Absent	Absent	118