

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

March 2023

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	131	127	112	148	180
Aluminum	mg/L	2	0.082	0.078	0.073	0.085	6
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	26
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/L CaCO3	62	123	115	102	131	180
Chlorate Dissolved	mg/L	8	0.110	0.124	0.080	0.184	26
Chloride Dissolved	mg/L	8	5.61	5.51	4.44	7.25	26
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	26
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Colour	TCU	62	0.9	0.8	<0.5	1.8	180
Conductivity	µS/cm	8	395	378	346	411	26
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Fluoride	mg/L	62	0.70	0.70	0.63	0.78	180
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
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	8	0.073	0.070	0.060	0.080	26
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	26
pH	N/A	62	7.6	7.7	7.4	8.0	180
Potassium	mg/L	2	0.73	0.70	0.70	0.80	6
Sodium	mg/L	2	7.53	7.50	5.90	8.40	6
Sulphate Dissolved	mg/L	8	64.8	58.4	52.8	67.7	26
Total Chlorine	N/A	62	2.01	2.02	1.88	2.16	180
Total Dissolved Solids	mg/L	2	240	217	190	240	6
Total Hardness	mg/L CaCO3	62	188	176	157	198	180
Total Organic Carbon	mg/L C	8	1.1	1.2	0.8	1.6	26
Trihalomethanes	mg/L	62	0.009	0.010	0.004	0.014	180
Turbidity	NTU	62	0.06	0.05	<0.04	0.08	180
Uranium	mg/L	2	0.0006	<0.0005	<0.0005	0.0006	6
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	180
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	180