

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

August 2023

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	115	116	89	162	486
Aluminum	mg/L	2	0.141	0.075	0.026	0.204	16
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0003	16
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	70
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	486
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Calcium Hardness	mg/L CaCO3	62	112	112	87	150	486
Chlorate Dissolved	mg/L	10	0.150	0.130	0.060	0.244	70
Chloride Dissolved	mg/L	10	7.09	5.90	4.44	11.80	70
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	70
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Colour	TCU	62	0.8	0.8	<0.5	1.8	486
Conductivity	µS/cm	10	391	377	335	458	70
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	16
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	16
Fluoride	mg/L	62	0.67	0.69	0.58	0.78	486
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	16
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	16
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	16
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Nitrate (as N) Dissolved	mg/L	10	0.013	0.055	<0.010	0.149	70
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	70
pH	N/A	62	7.9	7.8	7.1	8.4	486
Potassium	mg/L	2	0.84	0.70	0.70	0.90	16
Sodium	mg/L	2	10.60	8.60	5.90	19.20	16
Sulphate Dissolved	mg/L	10	71.2	64.7	52.8	115.0	70
Total Chlorine	N/A	62	2.14	2.05	1.79	2.38	486
Total Dissolved Solids	mg/L	2	207	215	190	252	16
Total Hardness	mg/L CaCO3	62	170	170	101	198	486
Total Organic Carbon	mg/L C	10	1.8	1.4	<0.6	3.2	70
Trihalomethanes	mg/L	62	0.026	0.014	0.002	0.038	486
Turbidity	NTU	62	0.04	0.05	<0.04	0.10	486
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	16
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	16
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	486
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	486