

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

May 2023

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	115	121	101	148	302
Aluminum	mg/L	2	0.047	0.073	0.026	0.085	10
Arsenic	mg/L	2	0.0002	<0.0002	<0.0002	0.0003	10
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	44
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	302
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Calcium Hardness	mg/L CaCO3	62	113	113	87	131	302
Chlorate Dissolved	mg/L	10	0.142	0.124	0.060	0.234	44
Chloride Dissolved	mg/L	10	6.05	5.54	4.44	7.25	44
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	44
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Colour	TCU	62	0.9	0.8	<0.5	1.8	302
Conductivity	µS/cm	10	381	374	335	411	44
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Fluoride	mg/L	62	0.69	0.70	0.58	0.78	302
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	10
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Nitrate (as N) Dissolved	mg/L	10	0.030	0.070	0.020	0.080	44
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	44
pH	N/A	62	7.9	7.7	7.1	8.1	302
Potassium	mg/L	2	0.84	0.70	0.70	0.90	10
Sodium	mg/L	2	11.68	8.30	5.90	12.80	10
Sulphate Dissolved	mg/L	10	69.9	62.2	52.8	75.5	44
Total Chlorine	N/A	62	2.05	2.04	1.88	2.20	302
Total Dissolved Solids	mg/L	2	226	216	190	240	10
Total Hardness	mg/L CaCO3	62	172	171	147	198	302
Total Organic Carbon	mg/L C	10	1.5	1.2	<0.6	1.9	44
Trihalomethanes	mg/L	62	0.019	0.010	0.002	0.032	302
Turbidity	NTU	62	0.05	0.05	<0.04	0.10	302
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	10
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	302
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	302