

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

March 2024

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO ₃ /L	62	119	124	8	141	180
Aluminum	mg/L	2	0.030	0.032	0.026	0.089	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	0.8	0.9	<0.5	1.8	182
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Calcium Hardness	mg/L CaCO ₃	62	118	121	98	141	180
Chlorate Dissolved	mg/L	8	0.150	0.147	0.070	0.332	26
Chloride Dissolved	mg/L	8	8.21	6.08	4.78	12.10	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	0.7	0.9	<0.5	1.9	180
Conductivity	µS/cm	8	423	410	376	453	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	2
Fluoride	mg/L	62	0.68	0.70	0.62	0.79	180
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	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	0.106	0.090	0.080	0.134	26
Nitrite (as N) Dissolved	mg/L	8	0.01	<0.01	<0.01	0.02	26
pH	N/A	62	7.9	7.9	7.6	8.1	181
Potassium	mg/L	2	0.80	0.75	0.70	0.80	6
Sodium	mg/L	2	10.65	9.75	6.80	11.90	6
Sulphate Dissolved	mg/L	8	81.0	74.6	59.5	95.1	26
Total Chlorine	N/A	62	2.08	2.13	1.87	2.34	180
Total Dissolved Solids	mg/L	2	251	233	220	252	6
Total Hardness	mg/L CaCO ₃	62	178	184	153	218	180
Total Organic Carbon	mg/L C	8	1.1	1.3	0.9	1.7	26
Trihalomethanes	mg/L	62	0.008	0.011	0.005	0.020	182
Turbidity	NTU	62	0.05	<0.04	<0.04	0.09	180
Uranium	mg/L	2	<0.0005	<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