

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

July 2024

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO ₃ /L	62	120	120	8	141	422
Aluminum	mg/L	2	0.071	0.035	0.023	0.090	14
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	62
Bromodichloromethane	µg/L	62	1.2	1.0	<0.5	2.2	424
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Calcium Hardness	mg/L CaCO ₃	60	120	118	96	141	416
Chlorate Dissolved	mg/L	10	0.191	0.183	<0.100	0.332	62
Chloride Dissolved	mg/L	10	6.55	6.43	4.78	12.10	62
Chlorite Dissolved	mg/L	10	<0.01	<0.20	<0.20	<0.20	62
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Colour	TCU	62	0.8	0.9	<0.5	1.9	422
Conductivity	µS/cm	10	411	405	342	453	62
Copper	mg/L	2	<0.0020	<0.0050	<0.0050	<0.0050	14
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Fluoride	mg/L	62	0.67	0.68	0.62	0.79	422
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	14
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	14
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Nitrate (as N) Dissolved	mg/L	10	0.027	0.080	<0.010	0.170	62
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	0.02	62
pH	N/A	62	7.9	7.9	7.6	8.3	423
Potassium	mg/L	2	0.86	0.85	0.70	1.10	14
Sodium	mg/L	2	14.30	11.15	6.80	18.90	14
Sulphate Dissolved	mg/L	10	75.3	73.6	59.5	95.1	62
Total Chlorine	N/A	62	2.19	2.15	1.87	2.38	422
Total Dissolved Solids	mg/L	2	207	229	195	252	14
Total Hardness	mg/L CaCO ₃	60	182	179	145	218	416
Total Organic Carbon	mg/L C	10	1.6	1.4	0.9	2.8	62
Trihalomethanes	mg/L	62	0.032	0.013	0.005	0.040	424
Turbidity	NTU	62	0.05	<0.04	<0.04	0.09	422
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	14
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	14
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	422
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	422