

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

July 2023

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	111	117	92	162	424
Aluminum	mg/L	2	0.042	0.073	0.026	0.204	14
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	14
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	60
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	424
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Calcium Hardness	mg/L CaCO3	62	110	112	87	150	424
Chlorate Dissolved	mg/L	8	0.163	0.129	0.060	0.243	60
Chloride Dissolved	mg/L	8	6.83	5.68	4.44	11.80	60
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	60
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Colour	TCU	62	1.0	0.8	<0.5	1.8	424
Conductivity	µS/cm	8	391	375	335	458	60
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	14
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	14
Fluoride	mg/L	62	0.66	0.69	0.07	0.78	424
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	14
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	8	0.038	0.060	0.020	0.149	60
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	60
pH	N/A	62	7.9	7.8	7.1	8.4	424
Potassium	mg/L	2	0.90	0.70	0.70	0.90	14
Sodium	mg/L	2	16.08	8.40	5.90	19.20	14
Sulphate Dissolved	mg/L	8	76.7	64.0	52.8	115.0	60
Total Chlorine	N/A	62	2.06	2.04	1.83	2.38	424
Total Dissolved Solids	mg/L	2	243	219	190	252	14
Total Hardness	mg/L CaCO3	62	164	170	101	198	424
Total Organic Carbon	mg/L C	8	2.0	1.3	<0.6	2.5	60
Trihalomethanes	mg/L	62	0.030	0.012	0.002	0.038	424
Turbidity	NTU	62	0.05	0.05	<0.04	0.10	424
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	424
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	424