

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

June 2023

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	108	118	92	162	362
Aluminum	mg/L	2	0.172	0.075	0.026	0.204	12
Arsenic	mg/L	2	0.0002	<0.0002	<0.0002	0.0003	12
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	52
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	<0.5	362
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Calcium Hardness	mg/L CaCO3	60	113	112	87	150	362
Chlorate Dissolved	mg/L	8	0.150	0.127	0.060	0.234	52
Chloride Dissolved	mg/L	8	6.76	5.62	4.44	11.80	52
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	52
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Colour	TCU	60	0.9	0.8	<0.5	1.8	362
Conductivity	µS/cm	8	387	373	335	458	52
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	12
Cryptosporidium	oocysts/100L	2	<0.0	<0.1	<0.1	<0.1	12
Fluoride	mg/L	60	0.68	0.70	0.58	0.78	362
Giardia	cysts/100L	2	<0.0	<0.1	<0.1	<0.1	12
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	12
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	12
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Nitrate (as N) Dissolved	mg/L	8	0.054	0.070	0.020	0.149	52
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	52
pH	N/A	60	7.9	7.7	7.1	8.4	362
Potassium	mg/L	2	0.70	0.70	0.70	0.90	12
Sodium	mg/L	2	8.90	8.30	5.90	12.80	12
Sulphate Dissolved	mg/L	8	77.2	62.9	52.8	115.0	52
Total Chlorine	N/A	60	2.11	2.04	1.88	2.38	362
Total Dissolved Solids	mg/L	2	210	213	190	240	12
Total Hardness	mg/L CaCO3	60	167	170	101	198	362
Total Organic Carbon	mg/L C	8	1.6	1.3	<0.6	2.5	52
Trihalomethanes	mg/L	60	0.020	0.010	0.002	0.032	362
Turbidity	NTU	60	0.05	0.05	<0.04	0.10	362
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	12
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	12
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	362
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	362