

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

November 2022

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	59	125	120	90	143	668
Aluminum	mg/L	2	0.168	0.080	0.018	0.176	23
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	23
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	99
Bromodichloromethane	µg/L	59	<0.5	<0.5	<0.5	<0.5	664
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	23
Calcium Hardness	mg/L CaCO3	59	109	110	93	198	668
Chlorate Dissolved	mg/L	10	<0.099	0.129	<0.100	0.264	99
Chloride Dissolved	mg/L	10	4.94	5.73	4.34	12.20	99
Chlorite Dissolved	mg/L	10	<0.01	<0.20	<0.20	<0.20	99
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	23
Colour	TCU	59	0.7	0.7	<0.5	2.1	668
Conductivity	µS/cm	10	358	370	320	527	97
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	23
Cryptosporidium	oocysts/100L	7	<0.1	<0.1	<0.1	9.6	30
Fluoride	mg/L	59	0.68	0.68	0.59	0.77	668
Giardia	cysts/100L	7	<0.1	<0.1	<0.1	9.6	30
Haloacetic Acids, total (HAA5)	ug/L	2	14.1	19.7	12.2	37.8	21
Hardness, Total	mg/L CaCO3	59	168	169	142	246	668
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	23
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	23
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0070	23
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	23
Nitrate (as N) Dissolved	mg/L	10	0.047	0.040	<0.010	0.263	99
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	99
pH	N/A	59	7.8	7.8	7.4	8.2	668
Potassium	mg/L	2	0.70	0.80	0.40	2.20	23
Sodium	mg/L	2	6.63	7.90	6.10	36.20	23
Sulphate Dissolved	mg/L	10	53.5	59.9	51.5	142.0	99
Total Chlorine	mg/L	59	2.08	2.07	1.18	2.32	668
Total Dissolved Solids	mg/L	2	198	220	186	279	23
Total Organic Carbon	mg/L C	10	1.1	1.2	<0.6	9.9	97
Trihalomethanes	mg/L	59	0.009	0.011	0.003	0.042	664
Turbidity	NTU	59	0.06	0.05	<0.04	0.16	668
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	23
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	23
Bacteriological Data							
Coliforms, total	PA/100mL	58	Absent	Absent	Absent	Absent	667
E. coli	PA/100mL	58	Absent	Absent	Absent	Absent	667