

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

August 2022

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	118	121	90	142	487
Aluminum	mg/L	2	0.109	0.075	0.018	0.145	17
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	17
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	73
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	483
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	17
Calcium Hardness	mg/L CaCO3	62	111	113	93	198	487
Chlorate Dissolved	mg/L	10	0.148	0.140	<0.100	0.245	73
Chloride Dissolved	mg/L	10	5.80	6.18	4.64	12.20	73
Chlorite Dissolved	mg/L	10	<0.01	<0.20	<0.20	<0.20	73
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	17
Colour	TCU	62	0.8	0.8	<0.5	2.1	487
Conductivity	µS/cm	10	355	389	329	527	71
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	17
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	9.6	16
Fluoride	mg/L	62	0.69	0.68	0.59	0.77	487
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	9.6	16
Haloacetic Acids, total (HAA5)	ug/L	2	26.3	25.1	12.2	37.8	17
Hardness, Total	mg/L CaCO3	62	171	173	142	246	487
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	17
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	17
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0070	17
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	17
Nitrate (as N) Dissolved	mg/L	10	0.015	0.050	<0.010	0.263	73
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	73
pH	N/A	62	7.8	7.9	7.4	8.2	487
Potassium	mg/L	2	0.84	0.90	0.40	2.20	17
Sodium	mg/L	2	10.61	11.10	6.80	36.20	17
Sulphate Dissolved	mg/L	10	57.7	67.4	51.9	142.0	73
Total Chlorine	mg/L	62	2.13	2.07	1.18	2.32	487
Total Dissolved Solids	mg/L	2	227	239	215	279	17
Total Organic Carbon	mg/L C	10	1.4	1.3	<0.6	9.9	71
Trihalomethanes	mg/L	62	0.022	0.015	0.003	0.042	483
Turbidity	NTU	62	0.05	0.05	<0.04	0.16	487
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	17
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	17
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	487
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	487