

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

September 2022

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	111	120	90	142	547
Aluminum	mg/L	2	0.142	0.076	0.018	0.172	19
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	19
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	81
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	<0.5	543
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	19
Calcium Hardness	mg/L CaCO3	60	103	112	93	198	547
Chlorate Dissolved	mg/L	8	0.134	0.133	<0.100	0.264	81
Chloride Dissolved	mg/L	8	5.14	6.05	4.64	12.20	81
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	81
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	19
Colour	TCU	60	0.6	0.7	<0.5	2.1	547
Conductivity	µS/cm	8	333	382	320	527	79
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	19
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	9.6	20
Fluoride	mg/L	60	0.66	0.68	0.59	0.77	547
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	9.6	20
Haloacetic Acids, total (HAA5)	ug/L	2	14.1	20.8	12.2	37.8	19
Hardness, Total	mg/L CaCO3	60	156	170	142	246	547
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	19
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	19
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0070	19
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	19
Nitrate (as N) Dissolved	mg/L	8	0.011	0.050	<0.010	0.263	81
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	81
pH	N/A	60	7.7	7.8	7.4	8.2	547
Potassium	mg/L	2	0.60	0.80	0.40	2.20	19
Sodium	mg/L	2	7.72	8.60	6.50	36.20	19
Sulphate Dissolved	mg/L	8	54.2	63.0	51.6	142.0	81
Total Chlorine	mg/L	60	2.07	2.07	1.18	2.32	547
Total Dissolved Solids	mg/L	2	186	231	186	279	19
Total Organic Carbon	mg/L C	8	0.9	1.2	<0.6	9.9	79
Trihalomethanes	mg/L	60	0.011	0.013	0.003	0.042	543
Turbidity	NTU	60	0.05	0.05	<0.04	0.16	547
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	19
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	19
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	547
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	547