

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

June 2022

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	122	124	93	142	363
Aluminum	mg/L	2	0.063	0.075	0.018	0.091	13
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0003	13
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	55
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	<0.5	363
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	13
Calcium Hardness	mg/L CaCO3	60	126	112	93	198	363
Chlorate Dissolved	mg/L	8	0.157	0.123	<0.100	0.245	55
Chloride Dissolved	mg/L	8	6.68	6.24	4.64	12.20	55
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	55
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	13
Colour	TCU	60	1.0	0.7	<0.5	1.6	363
Conductivity	µS/cm	8	458	393	347	527	53
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	13
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Fluoride	mg/L	60	0.69	0.68	0.59	0.77	363
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Haloacetic Acids, total (HAA5)	ug/L	3	30.4	19.7	12.2	34.0	13
Hardness, Total	mg/L CaCO3	60	184	172	142	246	363
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	13
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	13
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0040	13
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	13
Nitrate (as N) Dissolved	mg/L	8	0.037	0.080	<0.010	0.263	55
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	55
pH	N/A	60	7.8	7.9	7.4	8.2	363
Potassium	mg/L	2	0.90	0.80	0.40	2.20	13
Sodium	mg/L	2	13.35	8.50	6.80	22.50	13
Sulphate Dissolved	mg/L	8	105.8	72.1	54.7	142.0	55
Total Chlorine	mg/L	60	2.13	2.05	1.18	2.30	363
Total Dissolved Solids	mg/L	2	248	239	215	255	13
Total Organic Carbon	mg/L C	8	3.3	1.2	<0.6	9.9	53
Trihalomethanes	mg/L	60	0.026	0.010	0.003	0.035	363
Turbidity	NTU	60	0.05	<0.04	<0.04	0.16	363
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	13
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	13
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	363
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	363