

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

March 2022

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	118	125	93	142	181
Aluminum	mg/L	2	0.082	0.080	0.075	0.091	7
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	7
Bromate Dissolved	mg/L	12	<0.005	<0.005	<0.005	<0.005	29
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	181
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	7
Calcium Hardness	mg/L CaCO3	62	108	110	96	126	181
Chlorate Dissolved	mg/L	12	0.129	0.112	<0.100	0.245	29
Chloride Dissolved	mg/L	12	7.03	5.62	4.64	12.20	29
Chlorite Dissolved	mg/L	12	<0.04	<0.20	<0.20	<0.20	29
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	7
Colour	TCU	62	0.6	0.6	<0.5	1.4	181
Conductivity	µS/cm	10	386	373	353	418	27
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	7
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Fluoride	mg/L	62	0.67	0.68	0.61	0.77	181
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Haloacetic Acids, total (HAA5)	ug/L	2	12.6	14.0	12.2	19.7	6
Hardness, Total	mg/L CaCO3	62	164	170	142	198	181
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	7
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	7
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	7
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	7
Nitrate (as N) Dissolved	mg/L	12	0.126	0.090	0.080	0.263	29
Nitrite (as N) Dissolved	mg/L	12	<0.01	<0.01	<0.01	<0.01	29
pH	N/A	62	7.8	7.9	7.5	8.2	181
Potassium	mg/L	2	0.70	0.70	0.40	0.80	7
Sodium	mg/L	2	7.40	7.40	6.80	8.50	7
Sulphate Dissolved	mg/L	12	67.9	59.7	54.7	93.5	29
Total Chlorine	mg/L	62	2.05	2.05	1.83	2.27	181
Total Dissolved Solids	mg/L	2	217	216	215	241	7
Total Organic Carbon	mg/L C	10	1.2	1.1	<0.6	2.2	27
Trihalomethanes	mg/L	62	0.007	0.009	0.003	0.016	181
Turbidity	NTU	62	0.05	<0.04	<0.04	0.16	181
Uranium	mg/L	2	0.0005	<0.0005	<0.0005	0.0006	7
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	7
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	181
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	181