

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

February 2021

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	56	137	135	128	145	118
Aluminum	mg/L	2	0.095	0.094	0.089	0.104	4
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Bromate Dissolved	mg/L	12	<0.005	<0.005	<0.005	<0.005	22
Bromodichloromethane	µg/L	56	<0.5	<0.5	<0.5	<0.5	118
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Calcium Hardness	mg CaCO3/L	56	118	118	87	134	118
Chlorate Dissolved	mg/L	12	0.110	0.119	0.080	0.178	22
Chloride Dissolved	mg/L	12	5.91	5.28	4.76	7.58	22
Chlorite Dissolved	mg/L	12	<0.01	<0.01	<0.01	<0.01	22
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Colour	TCU	56	1.4	1.2	0.7	2.4	118
Conductivity	µS/cm	8	388	384	363	403	16
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	7
Fluoride	mg/L	56	0.67	0.68	0.62	0.72	118
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	7
Haloacetic Acids, total (HAA5)	ug/L	2	17.5	19.5	16.3	20.8	4
Hardness, Total	mg CaCO3/L	56	188	187	168	203	118
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	4
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Nitrate (as N) Dissolved	mg/L	12	0.070	0.070	0.070	0.080	22
Nitrite (as N) Dissolved	mg/L	12	<0.01	<0.01	<0.01	<0.01	22
pH	N/A	56	7.9	8.0	7.8	8.2	118
Potassium	mg/L	2	0.80	0.80	0.80	0.80	4
Sodium	mg/L	2	7.36	7.65	7.30	8.40	4
Sulphate Dissolved	mg/L	12	53.9	53.1	49.9	56.4	22
Total Chlorine	mg/L	56	2.07	2.07	1.44	2.26	118
Total Dissolved Solids	mg/L	2	225	232	224	241	4
Total Organic Carbon	mg/L C	8	1.6	1.4	1.2	1.8	16
Trihalomethanes	mg/L	56	0.014	0.013	0.008	0.023	118
Turbidity	NTU	56	0.05	0.05	0.04	0.08	118
Uranium	mg/L	2	0.0006	0.0006	0.0006	0.0006	4
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	4
Bacteriological Data							
Coliforms, total	PA/100mL	56	Absent	Absent	Absent	Absent	118
E. coli	PA/100mL	56	Absent	Absent	Absent	Absent	118