

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

May 2021

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	121	129	103	145	302
Aluminum	mg/L	2	0.050	0.079	0.029	0.104	10
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	48
Bromodichloromethane	µg/L	62	0.6	<0.5	<0.5	2.6	302
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Calcium Hardness	mg CaCO3/L	62	116	115	87	134	302
Chlorate Dissolved	mg/L	8	0.125	0.131	0.050	0.184	48
Chloride Dissolved	mg/L	8	6.62	5.86	4.76	10.80	48
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	48
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Colour	TCU	62	1.0	1.0	<0.5	2.4	302
Conductivity	µS/cm	8	408	385	344	455	42
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	21
Fluoride	mg/L	62	0.65	0.67	0.60	0.72	302
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	21
Haloacetic Acids, total (HAA5)	ug/L	2	11.0	17.5	9.6	22.1	10
Hardness, Total	mg CaCO3/L	62	174	177	150	203	302
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	10
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Nitrate (as N) Dissolved	mg/L	8	0.063	0.070	0.050	0.175	48
Nitrite (as N) Dissolved	mg/L	8	0.03	<0.01	<0.01	0.05	48
pH	N/A	62	7.9	7.9	7.5	8.2	302
Potassium	mg/L	2	0.70	0.80	0.70	0.90	10
Sodium	mg/L	2	11.04	8.05	7.30	12.70	10
Sulphate Dissolved	mg/L	8	74.2	55.6	49.9	95.1	48
Total Chlorine	mg/L	62	2.01	2.05	1.44	2.26	302
Total Dissolved Solids	mg/L	2	244	232	198	253	10
Total Organic Carbon	mg/L C	8	1.7	1.4	0.7	3.0	42
Trihalomethanes	mg/L	62	0.018	0.011	0.004	0.037	302
Turbidity	NTU	62	0.05	0.04	0.02	0.10	302
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	10
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	302
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	302