

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

July 2021

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	118	123	103	145	424
Aluminum	mg/L	2	0.144	0.079	0.029	0.179	14
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	66
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	2.6	424
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Calcium Hardness	mg CaCO3/L	62	110	114	87	134	424
Chlorate Dissolved	mg/L	8	0.096	0.117	0.050	0.184	66
Chloride Dissolved	mg/L	8	4.43	5.86	2.96	10.80	66
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	66
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Colour	TCU	62	0.6	0.9	<0.5	2.4	424
Conductivity	µS/cm	8	355	385	314	455	60
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	14
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	25
Fluoride	mg/L	62	0.67	0.67	0.60	0.72	424
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	25
Haloacetic Acids, total (HAA5)	ug/L	2	22.4	19.5	9.6	27.4	14
Hardness, Total	mg CaCO3/L	62	170	176	150	203	424
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	14
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	14
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Nitrate (as N) Dissolved	mg/L	8	0.055	0.070	0.050	0.175	66
Nitrite (as N) Dissolved	mg/L	8	0.03	<0.01	<0.01	0.05	66
pH	N/A	62	7.7	7.9	7.4	8.2	424
Potassium	mg/L	2	0.80	0.80	0.70	1.00	14
Sodium	mg/L	2	8.81	8.30	6.80	23.90	14
Sulphate Dissolved	mg/L	8	60.2	58.1	49.9	95.1	66
Total Chlorine	mg/L	62	1.95	2.03	1.44	2.29	424
Total Dissolved Solids	mg/L	2	224	233	198	272	14
Total Organic Carbon	mg/L C	8	1.2	1.4	0.7	3.0	60
Trihalomethanes	mg/L	62	0.020	0.014	0.004	0.037	424
Turbidity	NTU	62	0.05	0.04	0.02	0.17	424
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	14
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	14
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	424
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	424