

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

**October 2021**

<b>Parameter</b>	<b>Unit</b>	<b>Monthly Count</b>	<b>Monthly Average</b>	<b>YTD Median</b>	<b>YTD Min</b>	<b>YTD Max</b>	<b>YTD Count</b>
Alkalinity Total	mg CaCO3/L	60	112	119	96	145	606
Aluminum	mg/L	2	0.091	0.083	0.029	0.179	20
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	20
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	93
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	2.6	606
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Calcium Hardness	mg CaCO3/L	60	107	111	87	134	606
Chlorate Dissolved	mg/L	8	0.116	0.116	0.050	0.202	93
Chloride Dissolved	mg/L	8	5.04	5.64	2.96	10.80	93
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	93
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Colour	TCU	60	0.6	0.7	<0.5	2.4	606
Conductivity	µS/cm	8	351	374	314	455	87
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	20
Cryptosporidium	oocysts/100L	6	<0.1	<0.1	<0.1	<0.1	39
Fluoride	mg/L	60	0.67	0.67	0.55	0.72	606
Giardia	cysts/100L	6	<0.1	<0.1	<0.1	<0.1	39
Haloacetic Acids, total (HAA5)	ug/L	2	12.6	16.8	9.6	27.4	20
Hardness, Total	mg CaCO3/L	60	163	171	137	203	606
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	20
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	20
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Nitrate (as N) Dissolved	mg/L	8	0.064	0.070	0.030	0.175	93
Nitrite (as N) Dissolved	mg/L	8	0.04	0.03	<0.01	0.05	93
pH	N/A	60	7.7	7.9	7.4	8.2	606
Potassium	mg/L	2	0.64	0.80	0.60	1.00	20
Sodium	mg/L	2	7.14	7.85	5.70	23.90	20
Sulphate Dissolved	mg/L	8	57.5	56.1	49.8	95.1	93
Total Chlorine	mg/L	60	2.05	2.05	1.44	2.49	606
Total Dissolved Solids	mg/L	2	214	226	189	272	20
Total Organic Carbon	mg/L C	8	1.0	1.2	0.7	3.0	87
Trihalomethanes	mg/L	60	0.007	0.012	0.004	0.037	606
Turbidity	NTU	60	0.04	0.04	0.02	0.17	606
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	20
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	20
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	606
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	606