

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

**November 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	120	119	96	145	666
Aluminum	mg/L	2	0.072	0.083	0.029	0.179	22
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	22
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	103
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	2.6	666
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Calcium Hardness	mg CaCO3/L	60	106	110	87	134	666
Chlorate Dissolved	mg/L	10	0.115	0.116	0.050	0.202	103
Chloride Dissolved	mg/L	10	5.11	5.54	2.96	10.80	103
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	103
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Colour	TCU	60	0.6	0.7	<0.5	2.4	666
Conductivity	µS/cm	10	354	371	314	455	97
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	22
Cryptosporidium	oocysts/100L	6	<0.1	<0.1	<0.1	<0.1	45
Fluoride	mg/L	60	0.68	0.67	0.55	0.72	666
Giardia	cysts/100L	6	<0.1	<0.1	<0.1	<0.1	45
Haloacetic Acids, total (HAA5)	ug/L	2	10.6	16.3	9.6	27.4	22
Hardness, Total	mg CaCO3/L	60	164	170	137	203	666
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	22
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	22
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Nitrate (as N) Dissolved	mg/L	10	0.058	0.070	0.030	0.175	103
Nitrite (as N) Dissolved	mg/L	10	0.02	0.03	<0.01	0.05	103
pH	N/A	60	7.9	7.9	7.4	8.2	666
Potassium	mg/L	2	0.60	0.75	0.60	1.00	22
Sodium	mg/L	2	6.82	7.75	5.70	23.90	22
Sulphate Dissolved	mg/L	10	51.9	55.5	48.8	95.1	103
Total Chlorine	mg/L	60	2.10	2.06	1.44	2.49	666
Total Dissolved Solids	mg/L	2	186	223	179	272	22
Total Organic Carbon	mg/L C	10	1.0	1.2	0.7	3.0	97
Trihalomethanes	mg/L	60	0.008	0.011	0.004	0.037	666
Turbidity	NTU	60	0.05	0.04	0.04	0.17	666
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	22
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	22
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	666
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	666