

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

**May 2022**

<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	62	128	124	93	142	303
Aluminum	mg/L	2	0.028	0.076	0.018	0.091	11
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	11
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	47
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	303
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	11
Calcium Hardness	mg/L CaCO3	62	118	110	93	128	303
Chlorate Dissolved	mg/L	10	0.135	0.122	<0.100	0.245	47
Chloride Dissolved	mg/L	10	7.07	6.14	4.64	12.20	47
Chlorite Dissolved	mg/L	10	<0.01	<0.20	<0.20	<0.20	47
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	11
Colour	TCU	62	0.8	0.7	<0.5	1.4	303
Conductivity	µS/cm	10	427	384	347	444	45
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	11
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Fluoride	mg/L	62	0.69	0.68	0.59	0.77	303
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Haloacetic Acids, total (HAA5)	ug/L	2	29.2	16.5	12.2	29.8	10
Hardness, Total	mg/L CaCO3	62	182	170	142	198	303
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	11
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	11
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0040	11
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	11
Nitrate (as N) Dissolved	mg/L	10	<0.010	0.080	<0.010	0.263	47
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	47
pH	N/A	62	7.9	7.9	7.4	8.2	303
Potassium	mg/L	2	1.34	0.80	0.40	2.20	11
Sodium	mg/L	2	18.33	7.60	6.80	22.50	11
Sulphate Dissolved	mg/L	10	79.3	63.0	54.7	93.5	47
Total Chlorine	mg/L	62	1.96	2.05	1.18	2.27	303
Total Dissolved Solids	mg/L	2	242	220	215	242	11
Total Organic Carbon	mg/L C	10	2.1	1.1	<0.6	2.3	45
Trihalomethanes	mg/L	62	0.021	0.009	0.003	0.029	303
Turbidity	NTU	62	0.05	<0.04	<0.04	0.16	303
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	11
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	11
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	303
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	303