

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

November 2024

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	59	123	118	8	143	664
Aluminum	mg/L	2	0.123	0.061	0.023	0.125	22
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	96
Bromodichloromethane	µg/L	59	0.7	1.0	<0.5	2.6	628
Cadmium	mg/L	2	<0.0000	<0.0002	<0.0002	<0.0002	22
Calcium Hardness	mg/L CaCO3	57	119	116	96	141	650
Chlorate Dissolved	mg/L	8	0.143	0.183	<0.100	0.332	96
Chloride Dissolved	mg/L	8	5.29	5.99	3.89	12.10	96
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	96
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Colour	TCU	59	1.0	0.9	<0.5	1.9	664
Conductivity	µS/cm	8	386	394	342	453	96
Copper	mg/L	2	<0.0020	<0.0050	<0.0050	<0.0050	22
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	30
Fluoride	mg/L	59	0.70	0.68	0.61	0.79	664
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	30
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	8	0.048	0.040	<0.010	0.170	96
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	0.02	96
pH	N/A	59	8.0	7.9	7.5	8.3	665
Potassium	mg/L	2	0.64	0.80	0.60	1.10	22
Sodium	mg/L	2	6.77	10.60	6.70	18.90	22
Sulphate Dissolved	mg/L	8	64.1	71.6	59.3	95.1	96
Total Chlorine	N/A	59	2.07	2.15	1.86	2.40	664
Total Dissolved Solids	mg/L	2	227	229	195	252	22
Total Hardness	mg/L CaCO3	57	181	177	145	218	650
Total Organic Carbon	mg/L C	0		1.4	0.9	2.8	82
Trihalomethanes	mg/L	59	0.011	0.014	0.005	0.040	628
Turbidity	NTU	59	0.07	<0.04	<0.04	0.22	664
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
Bacteriological Data							
Coliforms, total	PA/100mL	59	Absent	Absent	Absent	Absent	664
E. coli	PA/100mL	59	Absent	Absent	Absent	Absent	664