

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

June 2024

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO ₃ /L	60	121	120	8	141	360
Aluminum	mg/L	2	0.032	0.031	0.023	0.089	12
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	52
Bromodichloromethane	µg/L	60	1.5	1.0	<0.5	2.2	362
Cadmium	mg/L	2	<0.0000	<0.0002	<0.0002	<0.0002	12
Calcium Hardness	mg/L CaCO ₃	58	120	116	96	141	356
Chlorate Dissolved	mg/L	8	0.183	0.183	<0.100	0.332	52
Chloride Dissolved	mg/L	8	7.56	6.46	4.78	12.10	52
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	52
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Colour	TCU	60	0.9	0.9	<0.5	1.9	360
Conductivity	µS/cm	8	413	404	342	453	52
Copper	mg/L	2	<0.0020	<0.0050	<0.0050	<0.0050	12
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Fluoride	mg/L	60	0.68	0.69	0.62	0.79	360
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	12
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	12
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Nitrate (as N) Dissolved	mg/L	8	0.025	0.080	<0.010	0.170	52
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	0.02	52
pH	N/A	60	7.8	7.9	7.6	8.3	361
Potassium	mg/L	2	0.90	0.85	0.70	1.10	12
Sodium	mg/L	2	17.76	11.15	6.80	18.90	12
Sulphate Dissolved	mg/L	8	75.7	73.7	59.5	95.1	52
Total Chlorine	N/A	60	2.22	2.13	1.87	2.38	360
Total Dissolved Solids	mg/L	2	239	233	220	252	12
Total Hardness	mg/L CaCO ₃	58	182	177	145	218	356
Total Organic Carbon	mg/L C	8	2.1	1.3	0.9	2.8	52
Trihalomethanes	mg/L	60	0.030	0.012	0.005	0.038	362
Turbidity	NTU	60	0.05	<0.04	<0.04	0.09	360
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	12
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	12
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	360
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	360