

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

October 2024

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO ₃ /L	62	117	118	8	141	605
Aluminum	mg/L	2	0.103	0.057	0.023	0.122	20
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	88
Bromodichloromethane	µg/L	61	0.9	1.1	<0.5	2.6	569
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Calcium Hardness	mg/L CaCO ₃	60	115	116	96	141	593
Chlorate Dissolved	mg/L	10	0.159	0.183	<0.100	0.332	88
Chloride Dissolved	mg/L	10	5.36	6.01	4.30	12.10	88
Chlorite Dissolved	mg/L	10	<0.01	<0.20	<0.20	<0.20	88
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Colour	TCU	62	0.9	0.9	<0.5	1.9	605
Conductivity	µS/cm	10	377	397	342	453	88
Copper	mg/L	2	<0.0020	<0.0050	<0.0050	<0.0050	20
Cryptosporidium	oocysts/100L	0		<0.1	<0.1	<0.1	14
Fluoride	mg/L	62	0.70	0.68	0.61	0.79	605
Giardia	cysts/100L	0		<0.1	<0.1	<0.1	14
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	10	0.015	0.030	<0.010	0.170	88
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	0.02	88
pH	N/A	62	7.9	7.9	7.5	8.3	606
Potassium	mg/L	2	0.70	0.80	0.70	1.10	20
Sodium	mg/L	2	7.42	10.80	6.80	18.90	20
Sulphate Dissolved	mg/L	10	65.0	72.0	59.3	95.1	88
Total Chlorine	N/A	62	2.15	2.17	1.87	2.40	605
Total Dissolved Solids	mg/L	2	209	229	195	252	20
Total Hardness	mg/L CaCO ₃	60	175	177	145	218	593
Total Organic Carbon	mg/L C	4	1.2	1.4	0.9	2.8	82
Trihalomethanes	mg/L	61	0.013	0.015	0.005	0.040	569
Turbidity	NTU	62	0.06	<0.04	<0.04	0.22	605
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
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	605
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	605