

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

April 2023

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO ₃ /L	60	109	123	101	148	240
Aluminum	mg/L	2	0.028	0.075	0.026	0.085	8
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	34
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	<0.5	240
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Calcium Hardness	mg/L CaCO ₃	60	103	112	90	131	240
Chlorate Dissolved	mg/L	8	0.114	0.124	0.060	0.184	34
Chloride Dissolved	mg/L	8	5.48	5.51	4.44	7.25	34
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	34
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Colour	TCU	60	0.7	0.8	<0.5	1.8	240
Conductivity	µS/cm	8	352	368	335	411	34
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	8
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Fluoride	mg/L	60	0.67	0.70	0.58	0.78	240
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	8
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	8
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Nitrate (as N) Dissolved	mg/L	8	0.061	0.070	0.040	0.080	34
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	34
pH	N/A	0		7.7	7.4	8.0	180
Potassium	mg/L	2	0.70	0.70	0.70	0.80	8
Sodium	mg/L	2	9.64	7.90	5.90	10.40	8
Sulphate Dissolved	mg/L	8	62.1	59.1	52.8	67.7	34
Total Chlorine	N/A	60	2.04	2.03	1.88	2.20	240
Total Dissolved Solids	mg/L	2	197	205	190	240	8
Total Hardness	mg/L CaCO ₃	60	158	170	147	198	240
Total Organic Carbon	mg/L C	8	0.8	1.1	<0.6	1.6	34
Trihalomethanes	mg/L	60	0.004	0.009	0.002	0.014	240
Turbidity	NTU	60	0.05	0.05	<0.04	0.10	240
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	8
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	8
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	240
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	240

pH not reported (NR) in April