

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

September 2021

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	109	120	96	145	546
Aluminum	mg/L	2	0.068	0.082	0.029	0.179	18
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	18
Bromate Dissolved	mg/L	9	<0.005	<0.005	<0.005	<0.005	85
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	2.6	546
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Calcium Hardness	mg CaCO3/L	60	102	112	87	134	546
Chlorate Dissolved	mg/L	9	0.124	0.116	0.050	0.202	85
Chloride Dissolved	mg/L	9	5.33	5.72	2.96	10.80	85
Chlorite Dissolved	mg/L	9	<0.01	<0.01	<0.01	<0.01	85
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Colour	TCU	60	0.6	0.8	<0.5	2.4	546
Conductivity	µS/cm	9	342	376	314	455	79
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	18
Cryptosporidium	oocysts/100L	6	<0.1	<0.1	<0.1	<0.1	33
Fluoride	mg/L	60	0.67	0.67	0.55	0.72	546
Giardia	cysts/100L	6	<0.1	<0.1	<0.1	<0.1	33
Haloacetic Acids, total (HAA5)	ug/L	2	16.8	17.9	9.6	27.4	18
Hardness, Total	mg CaCO3/L	60	156	173	137	203	546
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	18
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	18
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Nitrate (as N) Dissolved	mg/L	9	0.062	0.070	0.030	0.175	85
Nitrite (as N) Dissolved	mg/L	9	0.04	0.03	<0.01	0.05	85
pH	N/A	60	7.8	7.9	7.4	8.2	546
Potassium	mg/L	2	0.60	0.80	0.60	1.00	18
Sodium	mg/L	2	10.48	8.05	5.70	23.90	18
Sulphate Dissolved	mg/L	9	54.9	55.5	49.8	95.1	85
Total Chlorine	mg/L	60	2.04	2.05	1.44	2.49	546
Total Dissolved Solids	mg/L	2	195	228	189	272	18
Total Organic Carbon	mg/L C	9	1.1	1.3	0.7	3.0	79
Trihalomethanes	mg/L	60	0.011	0.012	0.004	0.037	546
Turbidity	NTU	60	0.04	0.04	0.02	0.17	546
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	18
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	18
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	546
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	546