

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

June 2021

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	122	125	103	145	362
Aluminum	mg/L	2	0.035	0.067	0.029	0.104	12
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	58
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	2.6	362
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Calcium Hardness	mg CaCO3/L	60	118	116	87	134	362
Chlorate Dissolved	mg/L	10	0.120	0.126	0.050	0.184	58
Chloride Dissolved	mg/L	10	6.60	6.08	4.76	10.80	58
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	58
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Colour	TCU	60	0.9	1.0	<0.5	2.4	362
Conductivity	µS/cm	10	408	386	344	455	52
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	12
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	23
Fluoride	mg/L	60	0.67	0.67	0.60	0.72	362
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	23
Haloacetic Acids, total (HAA5)	ug/L	2	25.8	19.0	9.6	27.4	12
Hardness, Total	mg CaCO3/L	60	178	177	150	203	362
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	10	0.081	0.075	0.050	0.175	58
Nitrite (as N) Dissolved	mg/L	10	0.04	<0.01	<0.01	0.05	58
pH	N/A	60	7.8	7.9	7.4	8.2	362
Potassium	mg/L	2	0.94	0.80	0.70	1.00	12
Sodium	mg/L	2	21.22	8.30	7.30	23.90	12
Sulphate Dissolved	mg/L	10	74.8	57.5	49.9	95.1	58
Total Chlorine	mg/L	60	2.05	2.05	1.44	2.29	362
Total Dissolved Solids	mg/L	2	270	239	198	272	12
Total Organic Carbon	mg/L C	10	2.0	1.4	0.7	3.0	52
Trihalomethanes	mg/L	60	0.025	0.013	0.004	0.037	362
Turbidity	NTU	60	0.05	0.04	0.02	0.17	362
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
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	362
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	362