

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

April 2021

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	116	132	103	145	240
Aluminum	mg/L	2	0.029	0.086	0.029	0.104	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	40
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 CaCO3/L	60	108	114	87	134	240
Chlorate Dissolved	mg/L	8	0.092	0.114	0.050	0.178	40
Chloride Dissolved	mg/L	8	5.93	5.82	4.76	10.80	40
Chlorite Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	40
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Colour	TCU	60	0.6	1.0	<0.5	2.4	240
Conductivity	µS/cm	8	360	384	344	421	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	19
Fluoride	mg/L	60	0.66	0.67	0.61	0.72	240
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	19
Haloacetic Acids, total (HAA5)	ug/L	2	10.6	19.0	9.6	22.1	8
Hardness, Total	mg CaCO3/L	60	163	179	150	203	240
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	0.091	0.080	0.070	0.175	40
Nitrite (as N) Dissolved	mg/L	8	0.03	<0.01	<0.01	0.05	40
pH	N/A	60	8.0	8.0	7.5	8.2	240
Potassium	mg/L	2	0.84	0.80	0.70	0.90	8
Sodium	mg/L	2	10.19	7.85	7.30	11.20	8
Sulphate Dissolved	mg/L	8	58.7	54.6	49.9	67.7	40
Total Chlorine	mg/L	60	1.99	2.05	1.44	2.26	240
Total Dissolved Solids	mg/L	2	209	228	198	253	8
Total Organic Carbon	mg/L C	8	0.9	1.3	0.7	1.8	34
Trihalomethanes	mg/L	60	0.006	0.010	0.004	0.023	240
Turbidity	NTU	60	0.04	0.04	0.02	0.10	240
Uranium	mg/L	2	<0.0005	0.0006	<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