

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

April 2022

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	107	123	93	142	241
Aluminum	mg/L	2	0.019	0.077	0.018	0.091	9
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	9
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	37
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	<0.5	241
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	9
Calcium Hardness	mg/L CaCO3	60	104	110	93	126	241
Chlorate Dissolved	mg/L	8	0.119	0.112	<0.100	0.245	37
Chloride Dissolved	mg/L	8	6.53	5.73	4.64	12.20	37
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	37
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	9
Colour	TCU	60	0.7	0.7	<0.5	1.4	241
Conductivity	µS/cm	8	376	374	347	418	35
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	9
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Fluoride	mg/L	60	0.68	0.68	0.61	0.77	241
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Haloacetic Acids, total (HAA5)	ug/L	2	17.9	15.2	12.2	20.8	8
Hardness, Total	mg/L CaCO3	60	158	168	142	198	241
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	9
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	9
Manganese	mg/L	2	0.0031	<0.0020	<0.0020	0.0040	9
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	9
Nitrate (as N) Dissolved	mg/L	8	0.076	0.090	0.030	0.263	37
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	37
pH	N/A	60	7.9	7.9	7.4	8.2	241
Potassium	mg/L	2	2.09	0.70	0.40	2.20	9
Sodium	mg/L	2	20.06	7.40	6.80	22.50	9
Sulphate Dissolved	mg/L	8	74.5	60.8	54.7	93.5	37
Total Chlorine	mg/L	60	2.07	2.06	1.83	2.27	241
Total Dissolved Solids	mg/L	2	231	217	215	241	9
Total Organic Carbon	mg/L C	8	1.1	1.1	<0.6	2.2	35
Trihalomethanes	mg/L	60	0.007	0.008	0.003	0.017	241
Turbidity	NTU	60	0.04	<0.04	<0.04	0.16	241
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	9
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	9
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	241
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	241