

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

November 2020

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	133	127	71	157	670
Aluminum	mg/L	2	0.152	0.062	0.016	0.249	22
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Bromate Dissolved	mg/L	8	<0.003	<0.005	<0.005	0.018	112
Bromodichloromethane	µg/L	62	0.5	<0.5	<0.5	1.9	678
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Calcium Hardness	mg CaCO3/L	60	109	110	73	148	670
Chlorate Dissolved	mg/L	8	0.131	<0.100	<0.100	0.200	112
Chloride Dissolved	mg/L	8	5.84	5.80	1.03	18.30	112
Chlorite Dissolved	mg/L	8	<0.20	<0.20	<0.20	<0.20	112
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Colour	TCU	60	1.5	1.2	<0.5	4.9	670
Conductivity	µS/cm	8	364	396	335	499	95
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	22
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	30
Fluoride	mg/L	60	0.30	0.46	<0.05	0.76	668
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	30
Haloacetic Acids, total (HAA5)	ug/L	2	21.6	24.5	7.3	39.2	22
Hardness, Total	mg CaCO3/L	60	174	171	111	203	670
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	22
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0200	22
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
NDMA	ng/L	2	0.70	1.49	<0.50	3.94	22
Nitrate (as N) Dissolved	mg/L	8	0.076	0.090	0.010	0.730	112
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	0.02	112
pH	N/A	60	8.1	7.9	7.3	8.3	670
Potassium	mg/L	2	0.73	0.80	0.60	1.90	22
Sodium	mg/L	2	7.75	9.60	7.20	38.30	22
Sulphate Dissolved	mg/L	8	44.9	54.9	36.8	132.0	112
Total Chlorine	N/A	8	2.04	2.01	1.69	2.43	133
Total Dissolved Solids	mg/L	2	202	234	161	312	22
Total Organic Carbon	mg/L C	8	1.6	1.9	1.0	7.2	94
Trihalomethanes	mg/L	60	<0.015	<0.017	<0.001	<0.037	670
Turbidity	NTU	60	0.06	0.05	0.02	0.22	670
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	22
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	0.0060	22
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	670
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	670