

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

October 2020

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	61	127	126	71	157	610
Aluminum	mg/L	2	0.186	0.049	0.016	0.249	20
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Bromate Dissolved	mg/L	8	<0.003	<0.005	<0.005	0.018	104
Bromodichloromethane	µg/L	61	<0.5	<0.5	<0.5	1.9	616
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Calcium Hardness	mg CaCO3/L	61	106	110	73	148	610
Chlorate Dissolved	mg/L	8	0.109	<0.100	<0.100	0.200	104
Chloride Dissolved	mg/L	8	5.20	5.80	1.03	18.30	104
Chlorite Dissolved	mg/L	8	<0.20	<0.20	<0.20	<0.20	104
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Colour	TCU	61	1.1	1.2	<0.5	4.9	610
Conductivity	µS/cm	8	351	402	335	499	87
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	20
Cryptosporidium	oocysts/100L	6	<0.1	<0.1	<0.1	<0.1	26
Fluoride	mg/L	61	0.32	0.38	<0.05	0.76	608
Giardia	cysts/100L	6	<0.1	<0.1	<0.1	<0.1	26
Haloacetic Acids, total (HAA5)	ug/L	2	17.7	24.6	7.3	39.2	20
Hardness, Total	mg CaCO3/L	61	165	171	111	203	610
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	20
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0200	20
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
NDMA	ng/L	2	1.26	1.60	<0.50	3.94	20
Nitrate (as N) Dissolved	mg/L	8	0.064	0.090	0.010	0.730	104
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	0.02	104
pH	N/A	61	8.0	7.9	7.3	8.3	610
Potassium	mg/L	2	0.80	0.85	0.60	1.90	20
Sodium	mg/L	2	7.45	9.90	7.20	38.30	20
Sulphate Dissolved	mg/L	8	47.7	55.7	36.8	132.0	104
Total Chlorine	N/A	10	2.03	2.01	1.69	2.43	125
Total Dissolved Solids	mg/L	2	208	239	161	312	20
Total Organic Carbon	mg/L C	8	1.3	1.9	1.0	7.2	86
Trihalomethanes	mg/L	61	0.016	0.018	0.004	0.037	610
Turbidity	NTU	61	0.06	0.05	0.02	0.22	610
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	20
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	0.0060	20
Bacteriological Data							
Coliforms, total	PA/100mL	61	Absent	Absent	Absent	Absent	610
E. coli	PA/100mL	61	Absent	Absent	Absent	Absent	610