

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

December 2020

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	61	135	129	71	157	731
Aluminum	mg/L	2	0.102	0.072	0.016	0.249	24
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Bromate Dissolved	mg/L	10	<0.003	<0.005	<0.005	0.018	122
Bromodichloromethane	µg/L	61	<0.5	<0.5	<0.5	1.9	738
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Calcium Hardness	mg CaCO3/L	61	117	111	73	148	731
Chlorate Dissolved	mg/L	10	0.115	<0.100	<0.100	0.200	122
Chloride Dissolved	mg/L	10	5.99	5.78	1.03	18.30	122
Chlorite Dissolved	mg/L	10	<0.20	<0.20	<0.20	<0.20	122
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Colour	TCU	61	1.4	1.2	<0.5	5.3	731
Conductivity	µS/cm	10	377	392	335	499	105
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	24
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	34
Fluoride	mg/L	61	0.67	0.65	<0.05	0.76	729
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	34
Haloacetic Acids, total (HAA5)	ug/L	2	23.5	24.5	7.3	39.2	24
Hardness, Total	mg CaCO3/L	61	184	174	111	203	731
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	24
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0200	24
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
NDMA	ng/L	2	0.64	1.36	<0.50	3.94	24
Nitrate (as N) Dissolved	mg/L	10	0.091	0.090	0.010	0.730	122
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	0.02	122
pH	N/A	61	8.0	7.9	7.3	8.3	731
Potassium	mg/L	2	0.76	0.80	0.60	1.90	24
Sodium	mg/L	2	7.82	9.05	7.20	38.30	24
Sulphate Dissolved	mg/L	10	50.0	54.3	36.8	132.0	122
Total Chlorine	N/A	10	2.06	2.02	1.69	2.43	143
Total Dissolved Solids	mg/L	2	224	234	161	312	24
Total Organic Carbon	mg/L C	10	1.6	1.9	1.0	7.2	104
Trihalomethanes	mg/L	61	0.014	0.017	0.004	0.037	730
Turbidity	NTU	61	0.05	0.05	0.02	0.22	731
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	24
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	0.0060	24
Bacteriological Data							
Coliforms, total	PA/100mL	61	Absent	Absent	Absent	Absent	731
E. coli	PA/100mL	61	Absent	Absent	Absent	Absent	731