

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

July 2020

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	118	127	71	157	427
Aluminum	mg/L	2	0.020	0.030	0.016	0.094	14
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Bromate Dissolved	mg/L	8	<0.004	<0.005	<0.005	0.018	78
Bromodichloromethane	µg/L	62	0.5	<0.5	<0.5	1.9	431
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Calcium Hardness	mg CaCO3/L	62	113	112	73	148	427
Chlorate Dissolved	mg/L	8	0.135	<0.100	<0.100	0.200	78
Chloride Dissolved	mg/L	8	7.06	5.95	1.03	18.30	78
Chlorite Dissolved	mg/L	8	<0.20	<0.20	<0.20	<0.20	78
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Colour	TCU	62	1.3	1.3	<0.5	2.7	427
Conductivity	µS/cm	8	465	414	366	499	61
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	14
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	16
Fluoride	mg/L	62	0.27	0.62	<0.05	0.72	425
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	16
Haloacetic Acids, total (HAA5)	ug/L	2	31.2	25.5	7.3	39.2	14
Hardness, Total	mg CaCO3/L	62	167	174	111	203	427
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	14
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Manganese	mg/L	2	0.0137	<0.0020	<0.0020	0.0200	14
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
NDMA	ng/L	2	2.91	1.71	<0.50	3.94	14
Nitrate (as N) Dissolved	mg/L	8	0.059	0.090	0.020	0.730	78
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	0.02	78
pH	N/A	62	7.8	7.9	7.3	8.2	427
Potassium	mg/L	2	1.21	0.70	0.60	1.90	14
Sodium	mg/L	2	35.46	11.10	7.40	38.30	14
Sulphate Dissolved	mg/L	8	105.2	57.9	36.8	132.0	78
Total Chlorine	N/A	10	2.00	2.00	1.73	2.18	99
Total Dissolved Solids	mg/L	2	303	243	207	312	14
Total Organic Carbon	mg/L C	8	3.4	2.2	1.0	7.2	60
Trihalomethanes	mg/L	62	0.026	0.017	0.004	0.037	427
Turbidity	NTU	62	0.04	0.05	0.02	0.22	427
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	14
Zinc	mg/L	2	0.0054	<0.0050	<0.0050	0.0060	14
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	427
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	427