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

January 2021

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	134	135	128	143	62
Aluminum	mg/L	2	0.099	0.097	0.089	0.104	2
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	10
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	62
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Calcium Hardness	mg CaCO3/L	62	115	116	87	131	62
Chlorate Dissolved	mg/L	10	0.110	0.116	0.080	0.158	10
Chloride Dissolved	mg/L	10	5.29	5.05	4.76	6.89	10
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	10
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	62	1.1	1.1	0.7	1.8	62
Conductivity	µS/cm	8	376	374	363	391	8
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Cryptosporidium	oocysts/100L	3	<0.1	<0.1	<0.1	<0.1	3
Fluoride	mg/L	62	0.67	0.68	0.62	0.72	62
Giardia	cysts/100L	3	<0.1	<0.1	<0.1	<0.1	3
Haloacetic Acids, total (HAA5)	ug/L	2	19.8	20.1	19.3	20.8	2
Hardness, Total	mg CaCO3/L	62	183	183	168	198	62
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	2
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Nitrate (as N) Dissolved	mg/L	10	0.077	0.080	0.070	0.080	10
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	10
pH	N/A	62	8.0	8.0	7.8	8.2	62
Potassium	mg/L	2	0.80	0.80	0.80	0.80	2
Sodium	mg/L	2	8.23	8.15	7.90	8.40	2
Sulphate Dissolved	mg/L	10	51.3	51.4	49.9	53.6	10
Total Chlorine	N/A	8	2.04	2.06	1.94	2.18	8
Total Dissolved Solids	mg/L	2	239	239	236	241	2
Total Organic Carbon	mg/L C	8	1.3	1.3	1.2	1.4	8
Trihalomethanes	mg/L	62	0.011	0.011	0.008	0.016	62
Turbidity	NTU	62	0.05	0.05	0.04	0.08	62
Uranium	mg/L	2	0.0006	0.0006	0.0006	0.0006	2
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	62
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	62