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

January 2020

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	139	138	125	157	62
Aluminum	mg/L	2	0.047	0.059	0.026	0.092	2
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Bromate Dissolved	mg/L	6	<0.01	<0.01	<0.01	<0.01	6
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	114	115	95	136	62
Chlorate Dissolved	mg/L	6	0.060	0.070	0.030	0.157	6
Chloride Dissolved	mg/L	6	5.16	5.26	4.74	5.39	6
Chlorite Dissolved	mg/L	6	<0.01	<0.01	<0.01	<0.01	6
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	62	1.3	1.4	<0.5	2.7	62
Conductivity	µS/cm	8	401	397	366	429	8
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	2
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
Fluoride	mg/L	62	0.28	0.39	0.07	0.72	62
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
Haloacetic Acids, total (HAA5)	ug/L	2	10.7	12.8	7.3	18.3	2
Hardness, Total	mg CaCO3/L	62	184	180	169	203	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
NDMA	ng/L	2	0.56	0.59	<0.50	0.68	2
Nitrate (as N) Dissolved	mg/L	6	0.069	0.070	0.060	0.070	6
Nitrite (as N) Dissolved	mg/L	6	<0.01	<0.01	<0.01	<0.01	6
pH	N/A	62	7.9	7.9	7.3	8.1	62
Potassium	mg/L	2	0.60	0.60	0.60	0.60	2
Sodium	mg/L	2	10.57	9.70	7.40	12.00	2
Sulphate Dissolved	mg/L	6	62.4	59.3	49.0	69.7	6
Total Chlorine	N/A	10	2.02	2.06	1.92	2.12	10
Total Dissolved Solids	mg/L	2	219	216	207	224	2
Total Organic Carbon	mg/L C	8	1.8	1.9	1.3	2.4	8
Trihalomethanes	mg/L	62	0.012	0.015	0.005	0.021	62
Turbidity	NTU	62	0.05	0.05	0.03	0.08	62
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	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