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

April 2024

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	108	122	8	141	240
Aluminum	mg/L	2	0.026	0.028	0.023	0.089	8
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Bromate Dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	36
Bromodichloromethane	µg/L	60	0.8	0.9	<0.5	1.8	242
Cadmium	mg/L	2	<0.0000	<0.0002	<0.0002	<0.0002	8
Calcium Hardness	mg/L CaCO3	60	107	117	96	141	240
Chlorate Dissolved	mg/L	10	0.153	0.148	0.050	0.332	36
Chloride Dissolved	mg/L	10	6.14	5.96	4.78	12.10	36
Chlorite Dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	36
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Colour	TCU	60	0.7	0.9	<0.5	1.9	240
Conductivity	µS/cm	10	373	400	342	453	36
Copper	mg/L	2	<0.0020	<0.0050	<0.0050	<0.0050	8
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Fluoride	mg/L	60	0.68	0.69	0.62	0.79	240
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	8
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	8
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Nitrate (as N) Dissolved	mg/L	10	0.052	0.085	0.010	0.134	36
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	0.02	36
pH	N/A	60	7.9	7.9	7.6	8.2	241
Potassium	mg/L	2	1.04	0.80	0.70	1.10	8
Sodium	mg/L	2	12.73	10.60	6.80	13.60	8
Sulphate Dissolved	mg/L	10	69.3	73.6	59.5	95.1	36
Total Chlorine	N/A	60	2.11	2.12	1.87	2.34	240
Total Dissolved Solids	mg/L	2	228	229	220	252	8
Total Hardness	mg/L CaCO3	60	160	179	145	218	240
Total Organic Carbon	mg/L C	10	1.1	1.3	0.9	1.7	36
Trihalomethanes	mg/L	60	0.009	0.010	0.005	0.020	242
Turbidity	NTU	60	0.05	<0.04	<0.04	0.09	240
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	8
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	8
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	240
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	240