Water Quality 2015

2.1.2 SUMMARY OF MAJOR CHEMICALS, MICROBIOLOGICAL, AND PHYSICAL PARAMETERS OF EDMONTON DRINKING WATER

November 2015

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	119	114	90	139	668
Aluminum	mg/L	2	0.057	0.077	0.024	0.256	22
Arsenic	mg/L	2	0.0004	0.0003	<0.0002	0.0005	22
Bromate, dissolved	mg/L	17	<0.005	<0.005	<0.005	<0.005	134
Bromodichloromethane	ug/L	60	<0.6	<1.0	<1.0	1.6	668
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	22
Chlorate, dissolved	mg/L	17	0.10	0.11	<0.10	0.21	134
Chloride, dissolved	mg/L	17	4.56	4.88	2.70	11.40	134
Chlorine, total	mg/L	60	2.07	2.00	1.84	2.22	668
Chlorite, dissolved	mg/L	17	<0.005	<0.200	<0.200	<0.200	134
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	22
Colour	TCU	60	1	<1	<1	2	668
Conductivity	uS/cm	8	348	365	333	405	108
Copper	mg/L	2	<0.002	<0.002	<0.002	0.002	22
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	0.1	23
Fluoride, dissolved	mg/L	60	0.67	0.68	0.59	0.78	668
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	23
Haloacetic Acids, total (HAA5)	ug/L	2	13.6	17.4	11.3	33.3	24
Hardness, Calcium	mg CaCO3/L	60	113	114	95	136	668
Hardness, total	mg CaCO3/L	60	169	167	145	190	668
Iron	mg/L	2	<0.002	<0.002	<0.002	0.008	22
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	22
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.003	22
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0002	22
NDMA	ng/L	2	<0.9	1.3	<0.9	2.8	22
Nitrate (as N), dissolved	mg/L	17	0.05	0.02	<0.01	0.21	134
Nitrite (as N), dissolved	mg/L	17	<0.01	<0.01	<0.01	<0.01	134
pH	N/A	60	7.9	7.8	7.0	8.2	668
Potassium	mg/L	2	0.61	0.66	0.59	1.52	22
Sodium	mg/L	2	7.4	7.6	3.2	20.1	22
Sulphate, dissolved	mg/L	17	54.5	63.7	43.4	83.2	134
Total Dissolved Solids	mg/L	2	222	217	193	246	22
Total Organic Carbon	mg/L C	8	0.8	1.3	<0.5	2.6	108
Trihalomethanes	mg/L	60	0.009	0.011	0.002	0.048	668
Turbidity	NTU	60	0.07	0.07	0.05	0.13	668
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	22
Zinc	mg/L	2	<0.002	<0.002	<0.002	0.005	22

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	668
E. coli	PA/100 mL	60	Absent	Absent	Absent	668