Water Quality 2015

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

December 2015

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	62	125	115	90	139	730
Aluminum	mg/L	2	0.087	0.079	0.024	0.256	24
Arsenic	mg/L	2	0.0004	0.0003	<0.0002	0.0005	24
Bromate, dissolved	mg/L	20	<0.005	<0.005	<0.005	<0.005	154
Bromodichloromethane	ug/L	62	<0.5	<1.0	<1.0	1.6	730
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	24
Chlorate, dissolved	mg/L	20	0.12	0.11	<0.10	0.21	154
Chloride, dissolved	mg/L	20	4.52	4.83	2.70	11.40	154
Chlorine, total	mg/L	62	2.04	2.00	1.84	2.22	730
Chlorite, dissolved	mg/L	20	<0.005	<0.200	<0.200	<0.200	154
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	24
Colour	TCU	62	<1	<1	<1	2	730
Conductivity	uS/cm	8	368	367	333	405	116
Copper	mg/L	2	<0.002	<0.002	<0.002	0.002	24
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	0.1	25
Fluoride, dissolved	mg/L	62	0.67	0.68	0.59	0.78	730
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	25
Haloacetic Acids, total (HAA5)	ug/L	2	14.6	16.6	11.3	33.3	26
Hardness, Calcium	mg CaCO3/L	62	121	115	95	136	730
Hardness, total	mg CaCO3/L	62	180	168	145	197	730
Iron	mg/L	2	<0.002	<0.002	<0.002	0.008	24
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	24
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.003	24
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0002	24
NDMA	ng/L	2	1.2	1.3	<0.9	2.8	24
Nitrate (as N), dissolved	mg/L	20	0.08	0.03	<0.01	0.21	154
Nitrite (as N), dissolved	mg/L	20	<0.01	<0.01	<0.01	<0.01	154
pH	N/A	62	8.0	7.8	7.0	8.2	730
Potassium	mg/L	2	0.65	0.66	0.59	1.52	24
Sodium	mg/L	2	6.4	7.5	3.2	20.1	24
Sulphate, dissolved	mg/L	20	56.4	61.6	43.4	83.2	154
Total Dissolved Solids	mg/L	2	208	217	193	246	24
Total Organic Carbon	mg/L C	8	1.0	1.3	<0.5	2.6	116
Trihalomethanes	mg/L	62	0.008	0.010	0.002	0.048	730
Turbidity	NTU	62	0.08	0.07	0.05	0.15	730
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	24
Zinc	mg/L	2	0.004	<0.002	<0.002	0.005	24

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	730
E. coli	PA/100 mL	62	Absent	Absent	Absent	730