Water Quality 2016

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

September 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	120	116	84	133	548
Aluminum	mg/L	2	0.023	0.064	0.019	0.108	18
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	18
Bromate, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	152
Bromodichloromethane	ug/L	60	0.7	0.7	<0.5	2.2	547
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	18
Chlorate, dissolved	mg/L	18	0.17	0.14	0.05	0.48	152
Chloride, dissolved	mg/L	18	6.81	5.61	3.94	11.20	152
Chlorine, total	mg/L	61	2.05	2.00	1.54	2.30	549
Chlorite, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	152
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Colour	TCU	60	<1	<1	<1	2	548
Conductivity	uS/cm	10	477	388	333	544	81
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	18
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	0.1	19
Fluoride, dissolved	mg/L	60	0.70	0.68	0.58	0.80	548
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	19
Haloacetic Acids, total (HAA5)	ug/L	2	37.5	15.0	11.1	38.0	18
Hardness, Calcium	mg CaCO3/L	60	122	118	99	199	548
Hardness, total	mg CaCO3/L	60	179	176	148	258	548
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	18
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	18
Manganese	mg/L	2	0.004	<0.002	<0.002	0.005	18
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0001	18
NDMA	ng/L	2	3.8	<1.6	<1.6	5.2	18
Nitrate (as N), dissolved	mg/L	18	0.02	0.03	<0.01	0.21	152
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	152
pH	N/A	60	7.7	7.8	7.0	8.1	548
Potassium	mg/L	2	0.99	0.72	0.54	1.00	18
Sodium	mg/L	2	29.9	9.4	5.7	32.8	18
Sulphate, dissolved	mg/L	18	101	75	39	157	152
Total Dissolved Solids	mg/L	2	312	230	205	321	18
Total Organic Carbon	mg/L C	8	2.6	1.6	0.6	3.6	78
Trihalomethanes	mg/L	60	0.020	0.012	0.003	0.031	547
Turbidity	NTU	60	0.07	0.07	0.05	0.14	548
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	18
Zinc	mg/L	2	0.003	<0.002	<0.002	0.005	18

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	550
E. coli	PA/100 mL	60	Absent	Absent	Absent	550