



Water Quality 2016

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

November 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	128	117	84	142	670
Aluminum	mg/L	2	0.031	0.048	0.019	0.108	22
Arsenic	mg/L	2	0.0002	<0.0002	<0.0002	0.0004	22
Bromate, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	182
Bromodichloromethane	ug/L	60	0.6	0.7	<0.5	2.2	669
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	22
Chlorate, dissolved	mg/L	16	0.12	0.14	<0.10	0.48	182
Chloride, dissolved	mg/L	16	6.79	5.82	3.94	11.20	182
Chlorine, total	mg/L	60	2.17	2.01	1.54	2.41	671
Chlorite, dissolved	mg/L	16	<0.031	<0.200	<0.200	0.200	182
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Colour	TCU	60	1	<1	<1	2	670
Conductivity	uS/cm	10	427	396	333	544	99
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	0.69	0.68	0.58	0.80	670
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	23
Haloacetic Acids, total (HAA5)	ug/L	2	23.1	21.7	11.1	38.0	22
Hardness, Calcium	mg CaCO3/L	60	116	118	83	199	670
Hardness, total	mg CaCO3/L	60	178	177	148	258	670
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	22
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	22
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.005	22
Mercury	mg/L	2	0.0002	<0.0001	<0.0001	0.0002	22
NDMA	ng/L	2	3.0	<1.6	<1.6	5.2	22
Nitrate (as N), dissolved	mg/L	16	0.04	0.03	<0.01	0.21	182
Nitrite (as N), dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	182
pH	N/A	60	7.8	7.8	7.0	8.2	670
Potassium	mg/L	2	1.01	0.74	0.54	1.62	22
Sodium	mg/L	2	22.5	10.5	5.7	32.8	22
Sulphate, dissolved	mg/L	16	81	77	39	157	182
Total Dissolved Solids	mg/L	2	284	242	205	321	22
Total Organic Carbon	mg/L C	10	2.3	1.8	0.6	3.6	96
Trihalomethanes	mg/L	60	0.011	0.013	0.003	0.031	669
Turbidity	NTU	60	0.07	0.07	0.05	0.14	670
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	22
Zinc	mg/L	2	0.003	<0.002	<0.002	0.005	22

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	672
E. coli	PA/100 mL	60	Absent	Absent	Absent	672