



Water Quality 2016

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

December 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO <sub>3</sub> /L	62	137	117	84	156	732
Aluminum	mg/L	2	0.035	0.040	0.019	0.108	24
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	24
Bromate, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	198
Bromodichloromethane	ug/L	62	0.5	0.6	<0.5	2.2	731
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	24
Chlorate, dissolved	mg/L	16	0.13	0.13	<0.10	0.48	198
Chloride, dissolved	mg/L	16	6.02	5.80	3.94	11.20	198
Chlorine, total	mg/L	62	2.16	2.02	1.54	2.41	733
Chlorite, dissolved	mg/L	16	<0.005	<0.200	<0.200	0.200	197
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Colour	TCU	62	<1	<1	<1	2	732
Conductivity	uS/cm	8	430	399	333	544	107
Copper	mg/L	2	0.003	<0.002	<0.002	0.003	24
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	0.1	27
Fluoride, dissolved	mg/L	62	0.69	0.69	0.58	0.80	732
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	27
Haloacetic Acids, total (HAA5)	ug/L	2	17.2	20.4	11.1	38.0	24
Hardness, Calcium	mg CaCO <sub>3</sub> /L	62	124	118	83	199	732
Hardness, total	mg CaCO <sub>3</sub> /L	62	194	177	148	258	732
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	24
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	24
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.005	24
Mercury	mg/L	2	0.0001	<0.0001	<0.0001	0.0002	24
NDMA	ng/L	2	<0.7	<1.6	<1.6	5.2	24
Nitrate (as N), dissolved	mg/L	16	0.08	0.03	<0.01	0.21	198
Nitrite (as N), dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	198
pH	N/A	62	7.8	7.8	7.0	8.3	732
Potassium	mg/L	2	0.72	0.73	0.54	1.62	24
Sodium	mg/L	2	10.0	10.5	5.7	32.8	24
Sulphate, dissolved	mg/L	16	74	77	39	157	198
Total Dissolved Solids	mg/L	2	236	240	205	321	24
Total Organic Carbon	mg/L C	8	1.8	1.8	0.6	3.6	104
Trihalomethanes	mg/L	62	0.009	0.012	0.003	0.031	731
Turbidity	NTU	62	0.07	0.07	0.05	0.14	732
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	24
Zinc	mg/L	2	<0.002	<0.002	<0.002	0.005	24

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	734
E. coli	PA/100 mL	62	Absent	Absent	Absent	734