



Water Quality 2016

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

January 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO <sub>3</sub> /L	62	120	119	114	127	62
Aluminum	mg/L	2	0.070	0.070	0.070	0.070	2
Arsenic	mg/L	2	0.0004	0.0004	0.0003	0.0004	2
Bromate, dissolved	mg/L	14	<0.005	<0.005	<0.005	<0.005	14
Bromodichloromethane	ug/L	62	0.5	<0.5	<0.5	0.9	62
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	2
Chlorate, dissolved	mg/L	14	0.12	0.12	0.08	0.16	14
Chloride, dissolved	mg/L	14	4.99	4.67	3.94	9.25	14
Chlorine, total	mg/L	62	2.01	2.01	1.90	2.10	62
Chlorite, dissolved	mg/L	14	<0.005	<0.005	<0.005	<0.005	14
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	62	<1	<1	<1	1	62
Conductivity	uS/cm	8	355	358	333	367	8
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	2
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
Fluoride, dissolved	mg/L	62	0.67	0.67	0.62	0.73	62
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
Haloacetic Acids, total (HAA5)	ug/L	2	13.1	13.2	12.9	13.5	2
Hardness, Calcium	mg CaCO <sub>3</sub> /L	62	119	118	107	131	62
Hardness, total	mg CaCO <sub>3</sub> /L	62	175	174	165	191	62
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	2
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	2
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	2
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	2
NDMA	ng/L	2	1.0	1.0	0.9	1.1	2
Nitrate (as N), dissolved	mg/L	14	0.09	0.09	0.08	0.10	14
Nitrite (as N), dissolved	mg/L	14	<0.01	<0.01	<0.01	<0.01	14
pH	N/A	62	7.9	7.9	7.7	8.1	62
Potassium	mg/L	2	0.58	0.58	0.57	0.58	2
Sodium	mg/L	2	5.80	5.79	5.74	5.84	2
Sulphate, dissolved	mg/L	14	56.4	56.5	55.0	58.8	14
Total Dissolved Solids	mg/L	2	224	223	217	228	2
Total Organic Carbon	mg/L C	8	0.7	0.7	0.5	1.0	8
Trihalomethanes	mg/L	62	0.007	0.007	0.005	0.009	62
Turbidity	NTU	62	0.07	0.07	0.05	0.12	62
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	2
Zinc	mg/L	2	0.003	0.003	<0.002	0.005	2

Bacteriological Data

Coliforms, total	PA/100 mL	64	Absent	Absent	Absent	64
E. coli	PA/100 mL	64	Absent	Absent	Absent	64