



Water Quality 2016

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

May 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	62	112	115	95	127	304
Aluminum	mg/L	2	0.094	0.073	0.019	0.094	10
Arsenic	mg/L	2	0.0002	<0.0002	<0.0002	0.0004	10
Bromate, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	82
Bromodichloromethane	ug/L	62	0.9	0.6	<0.5	2.2	303
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	10
Chlorate, dissolved	mg/L	18	0.13	0.12	0.05	0.48	82
Chloride, dissolved	mg/L	18	5.82	4.89	3.94	11.20	82
Chlorine, total	mg/L	62	1.99	2.01	1.82	2.30	304
Chlorite, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	82
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Colour	TCU	62	<1	<1	<1	2	304
Conductivity	uS/cm	11	391	367	333	458	45
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	10
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Fluoride, dissolved	mg/L	62	0.67	0.67	0.58	0.80	304
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Haloacetic Acids, total (HAA5)	ug/L	2	14.6	12.4	11.1	15.2	10
Hardness, Calcium	mg CaCO3/L	62	115	116	106	131	304
Hardness, total	mg CaCO3/L	62	176	172	148	191	304
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	10
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	10
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	10
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0001	10
NDMA	ng/L	2	<1.0	<1.6	<1.6	5.2	10
Nitrate (as N), dissolved	mg/L	18	0.04	0.07	<0.01	0.21	82
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	82
pH	N/A	62	7.8	7.8	7.1	8.1	304
Potassium	mg/L	2	0.60	0.58	0.54	0.75	10
Sodium	mg/L	2	7.5	6.3	5.7	10.8	10
Sulphate, dissolved	mg/L	18	80	66	39	114	82
Total Dissolved Solids	mg/L	2	214	217	205	232	10
Total Organic Carbon	mg/L C	10	1.8	1.2	0.6	3.1	44
Trihalomethanes	mg/L	62	0.012	0.007	0.003	0.028	303
Turbidity	NTU	62	0.07	0.07	0.05	0.14	304
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	10
Zinc	mg/L	2	<0.002	<0.002	<0.002	0.005	10

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	306
E. coli	PA/100 mL	62	Absent	Absent	Absent	306