



Water Quality 2016

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

February 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	58	117	118	112	127	120
Aluminum	mg/L	2	0.079	0.073	0.070	0.080	4
Arsenic	mg/L	2	0.0002	0.0003	0.0002	0.0004	4
Bromate, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	30
Bromodichloromethane	ug/L	58	0.6	<0.5	<0.5	0.9	120
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	4
Chlorate, dissolved	mg/L	16	0.12	0.12	0.08	0.16	30
Chloride, dissolved	mg/L	16	5.27	4.78	3.94	9.25	30
Chlorine, total	mg/L	58	2.04	2.02	1.90	2.30	120
Chlorite, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	30
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Colour	TCU	58	<1	<1	<1	1	120
Conductivity	uS/cm	8	352	354	333	367	16
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	4
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Fluoride, dissolved	mg/L	58	0.68	0.67	0.61	0.80	120
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Haloacetic Acids, total (HAA5)	ug/L	2	14.7	13.2	11.4	14.7	4
Hardness, Calcium	mg CaCO ₃ /L	58	114	116	107	131	120
Hardness, total	mg CaCO ₃ /L	58	168	171	148	191	120
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	4
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	4
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	4
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	4
NDMA	ng/L	2	5.2	1.0	0.9	5.2	4
Nitrate (as N), dissolved	mg/L	16	0.08	0.08	0.07	0.10	30
Nitrite (as N), dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	30
pH	N/A	58	7.9	7.9	7.7	8.1	120
Potassium	mg/L	2	0.56	0.57	0.56	0.58	4
Sodium	mg/L	2	6.20	5.94	5.74	6.30	4
Sulphate, dissolved	mg/L	16	55.0	55.8	54.0	58.8	30
Total Dissolved Solids	mg/L	2	212	217	205	228	4
Total Organic Carbon	mg/L C	8	1.1	0.8	0.5	1.5	16
Trihalomethanes	mg/L	58	0.007	0.007	0.005	0.009	120
Turbidity	NTU	58	0.07	0.07	0.05	0.12	120
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	4
Zinc	mg/L	2	<0.002	<0.002	<0.002	0.005	4

Bacteriological Data

Coliforms, total	PA/100 mL	58	Absent	Absent	Absent	122
E. coli	PA/100 mL	58	Absent	Absent	Absent	122