



Water Quality 2016

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

April 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	114	116	102	127	242
Aluminum	mg/L	2	0.021	0.070	0.019	0.080	8
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	8
Bromate, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	64
Bromodichloromethane	ug/L	60	0.6	<0.5	<0.5	0.9	241
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	8
Chlorate, dissolved	mg/L	16	0.13	0.12	0.08	0.19	64
Chloride, dissolved	mg/L	16	4.99	4.86	3.94	9.25	64
Chlorine, total	mg/L	60	1.96	2.02	1.82	2.30	242
Chlorite, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	64
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Colour	TCU	60	<1	<1	<1	2	242
Conductivity	uS/cm	8	374	362	333	389	34
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	8
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Fluoride, dissolved	mg/L	60	0.67	0.67	0.58	0.80	242
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Haloacetic Acids, total (HAA5)	ug/L	2	11.7	11.7	11.1	14.7	8
Hardness, Calcium	mg CaCO3/L	60	116	116	106	131	242
Hardness, total	mg CaCO3/L	60	171	171	148	191	242
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	8
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	8
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	8
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	8
NDMA	ng/L	2	<1.2	<1.6	<1.6	5.2	8
Nitrate (as N), dissolved	mg/L	16	0.02	0.08	<0.01	0.10	64
Nitrite (as N), dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	64
pH	N/A	60	7.8	7.9	7.1	8.1	242
Potassium	mg/L	2	0.74	0.57	0.54	0.75	8
Sodium	mg/L	2	10.6	6.2	5.7	10.8	8
Sulphate, dissolved	mg/L	16	65.9	58.5	39.1	75.7	64
Total Dissolved Solids	mg/L	2	216	217	205	232	8
Total Organic Carbon	mg/L C	8	1.5	1.1	0.6	1.7	34
Trihalomethanes	mg/L	60	0.009	0.007	0.003	0.014	241
Turbidity	NTU	60	0.07	0.07	0.05	0.14	242
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	8
Zinc	mg/L	2	<0.002	<0.002	<0.002	0.005	8

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	244
E. coli	PA/100 mL	60	Absent	Absent	Absent	244