



Water Quality 2015

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

April 2015

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	111	123	90	139	240
Aluminum	mg/L	2	0.027	0.071	0.024	0.098	8
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	8
Bromate, dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	38
Bromodichloromethane	ug/L	60	0.6	0.6	<0.5	1.3	240
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	8
Chlorate, dissolved	mg/L	8	0.11	0.08	<0.01	0.21	38
Chloride, dissolved	mg/L	8	5.76	4.70	2.81	11.40	38
Chlorine, total	mg/L	60	1.98	2.00	1.88	2.18	240
Chlorite, dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	38
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Colour	TCU	60	<1	<1	<1	1	240
Conductivity	uS/cm	12	387	372	347	405	42
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	0.71	0.72	0.63	0.78	240
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Haloacetic Acids, total (HAA5)	ug/L	2	16.1	19.2	13.2	21.2	8
Hardness, Calcium	mg CaCO3/L	60	111	117	95	136	240
Hardness, total	mg CaCO3/L	60	160	169	145	188	240
Iron	mg/L	2	<0.002	<0.002	<0.002	0.008	8
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	8
Manganese	mg/L	2	0.003	<0.002	<0.002	0.003	8
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	8
NDMA	ng/L	0		1.3	0.9	1.9	4
Nitrate (as N), dissolved	mg/L	8	0.07	0.08	0.02	0.21	38
Nitrite (as N), dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	38
pH	N/A	60	7.8	7.9	7.3	8.2	240
Potassium	mg/L	2	1.34	0.66	0.59	1.52	8
Sodium	mg/L	2	18.1	6.1	3.2	20.1	8
Sulphate, dissolved	mg/L	8	74.2	53.1	43.4	83.2	38
Total Dissolved Solids	mg/L	2	239	218	193	246	8
Total Organic Carbon	mg/L C	12	1.7	1.4	0.9	2.6	42
Trihalomethanes	mg/L	60	0.008	0.009	0.002	0.014	240
Turbidity	NTU	60	0.07	0.07	0.05	0.13	240
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	8
Zinc	mg/L	2	0.004	<0.002	<0.002	0.005	8

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	240
E. coli	PA/100 mL	60	Absent	Absent	Absent	240