



Water Quality 2015

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

February 2015

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	56	128	130	119	139	118
Aluminum	mg/L	2	0.073	0.071	0.058	0.098	4
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0003	4
Bromate, dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	20
Bromodichloromethane	ug/L	56	0.7	0.8	<0.5	1.3	118
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	4
Chlorate, dissolved	mg/L	10	0.10	0.11	<0.01	0.21	20
Chloride, dissolved	mg/L	10	4.69	3.95	2.81	11.40	20
Chlorine, total	mg/L	56	2.01	2.02	1.92	2.18	118
Chlorite, dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	20
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Colour	TCU	56	<1	<1	<1	1	118
Conductivity	uS/cm	10	368	368	347	387	20
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	56	0.71	0.72	0.64	0.78	118
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	4
Haloacetic Acids, total (HAA5)	ug/L	2	20.7	20.7	17.8	20.9	4
Hardness, Calcium	mg CaCO3/L	56	122	122	108	136	118
Hardness, total	mg CaCO3/L	56	175	178	162	188	118
Iron	mg/L	2	<0.002	<0.002	<0.002	0.008	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	3	1.2	1.3	0.9	1.9	4
Nitrate (as N), dissolved	mg/L	10	0.09	0.08	0.07	0.11	20
Nitrite (as N), dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	20
pH	N/A	56	7.9	7.9	7.4	8.2	118
Potassium	mg/L	2	0.66	0.66	0.64	0.67	4
Sodium	mg/L	2	6.10	5.26	3.19	6.79	4
Sulphate, dissolved	mg/L	10	53.3	52.9	43.4	54.6	20
Total Dissolved Solids	mg/L	2	225	218	212	228	4
Total Organic Carbon	mg/L C	10	1.2	1.3	1.1	1.6	20
Trihalomethanes	mg/L	56	0.009	0.010	0.002	0.014	118
Turbidity	NTU	56	0.07	0.07	0.05	0.10	118
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	4
Zinc	mg/L	2	<0.002	<0.002	<0.002	<0.002	4

Bacteriological Data

Coliforms, total	PA/100 mL	56	Absent	Absent	Absent	118
E. coli	PA/100 mL	56	Absent	Absent	Absent	118