



## Water Quality 2015

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

March 2015

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO <sub>3</sub> /L	62	113	126	90	139	180
Aluminum	mg/L	2	0.089	0.083	0.058	0.098	6
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	6
Bromate, dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	30
Bromodichloromethane	ug/L	62	0.6	0.7	<0.5	1.3	180
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	6
Chlorate, dissolved	mg/L	10	0.08	0.08	<0.01	0.21	30
Chloride, dissolved	mg/L	10	6.49	4.40	2.81	11.40	30
Chlorine, total	mg/L	62	2.00	2.02	1.88	2.18	180
Chlorite, dissolved	mg/L	10	<0.005	<0.005	<0.005	<0.005	30
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Colour	TCU	62	<1	<1	<1	1	180
Conductivity	uS/cm	10	372	368	347	399	30
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	6
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Fluoride, dissolved	mg/L	62	0.71	0.72	0.63	0.78	180
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Haloacetic Acids, total (HAA5)	ug/L	2	16.0	19.2	15.9	20.9	6
Hardness, Calcium	mg CaCO <sub>3</sub> /L	62	112	120	103	136	180
Hardness, total	mg CaCO <sub>3</sub> /L	62	162	174	145	188	180
Iron	mg/L	2	0.002	<0.002	<0.002	0.008	6
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	6
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	6
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	6
NDMA	ng/L	0		1.3	0.9	1.9	4
Nitrate (as N), dissolved	mg/L	10	0.11	0.08	0.07	0.21	30
Nitrite (as N), dissolved	mg/L	10	<0.01	<0.01	<0.01	<0.01	30
pH	N/A	62	7.8	7.9	7.3	8.2	180
Potassium	mg/L	2	0.60	0.65	0.59	0.67	6
Sodium	mg/L	2	6.03	5.69	3.19	6.79	6
Sulphate, dissolved	mg/L	10	58.9	52.9	43.4	73.3	30
Total Dissolved Solids	mg/L	2	197	214	193	228	6
Total Organic Carbon	mg/L C	10	1.5	1.3	0.9	2.6	30
Trihalomethanes	mg/L	62	0.007	0.009	0.002	0.014	180
Turbidity	NTU	62	0.07	0.07	0.05	0.13	180
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	6
Zinc	mg/L	2	<0.002	<0.002	<0.002	<0.002	6

#### Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	180
E. coli	PA/100 mL	62	Absent	Absent	Absent	180