



Water Quality 2010

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

March 2010

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO <sub>3</sub> /L	64	114	118	108	135	186
Aluminum	mg/L	12	0.067	0.065	0.043	0.156	32
Arsenic	mg/L	2	<0.001	<0.001	<0.001	<0.001	6
Bromodichloromethane	ug/L	62	0.5	0.5	<0.5	0.9	180
Cadmium	mg/L	2	<0.001	<0.001	<0.001	<0.001	6
Chloride, dissolved	mg/L	8	4.86	4.44	2.38	6.23	24
Chlorine, total	mg/L	62	2.01	1.97	1.81	2.11	180
Chromium	mg/L	2	<0.001	<0.001	<0.001	0.004	6
Colour	TCU	72	<1	<1	<1	2	206
Conductivity	uS/cm	12	350	350	331	403	32
Copper	mg/L	2	<0.003	<0.003	<0.003	<0.003	6
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Fluoride, dissolved	mg/L	62	0.71	0.71	0.66	0.75	180
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Hardness, Calcium	mg CaCO <sub>3</sub> /L	62	111	114	101	130	180
Hardness, total	mg CaCO <sub>3</sub> /L	62	163	165	155	189	180
Iron	mg/L	2	<0.002	<0.002	<0.002	<0.002	6
Lead	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	6
Manganese	mg/L	2	<0.001	<0.001	<0.001	<0.001	6
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	6
Nitrate (as N)	mg/L	8	0.08	0.09	0.07	0.10	20
Nitrite (as N)	mg/L	6	<0.01	<0.01	<0.01	<0.01	18
pH	N/A	62	7.8	7.7	7.6	7.9	180
Potassium	mg/L	2	0.62	0.63	0.59	0.73	6
Sodium	mg/L	2	6.24	5.99	3.60	8.66	6
Sulphate, dissolved	mg/L	8	58.9	55.4	49.9	79.9	24
Temperature	°C	2	0.4	0.3	0.1	0.7	6
Total Dissolved Solids	mg/L	2	200	205	195	222	6
Total Organic Carbon	mg/L C	12	1.0	1.1	0.8	1.4	32
Trihalomethanes	mg/L	62	0.004	0.006	0.003	0.011	180
Turbidity	NTU	62	0.06	0.06	0.04	0.10	180
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	6
UV Abs	UV Abs/M	7	0.9	1.1	0.8	1.7	45
Zinc	mg/L	2	<0.003	<0.003	<0.003	0.005	6

Bacteriological Data

<i>E. coli</i>	PA/100 mL	Absent	Absent	Absent
Total Coliforms	PA/100 mL	Absent	Absent	Absent