



Water Quality 2010

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

June 2010

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO <sub>3</sub> /L	62	111	116	88	135	374
Aluminum	mg/L	12	0.046	0.058	0.037	0.156	64
Arsenic	mg/L	2	<0.001	<0.001	<0.001	<0.001	12
Bromodichloromethane	ug/L	60	0.8	0.6	<0.5	2.4	362
Cadmium	mg/L	2	<0.001	<0.001	<0.001	<0.001	12
Chloride, dissolved	mg/L	10	5.86	4.86	2.38	9.43	52
Chlorine, total	mg/L	60	2.00	1.97	1.81	2.15	362
Chromium	mg/L	2	<0.001	<0.001	<0.001	0.004	12
Colour	TCU	68	<1	<1	<1	2	412
Conductivity	uS/cm	10	413	361	330	457	62
Copper	mg/L	2	0.005	0.003	<0.003	0.007	12
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Fluoride, dissolved	mg/L	60	0.71	0.71	0.62	0.75	362
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Hardness, Calcium	mg CaCO <sub>3</sub> /L	60	116	114	100	135	362
Hardness, total	mg CaCO <sub>3</sub> /L	60	165	165	149	189	362
Iron	mg/L	2	<0.002	<0.002	<0.002	<0.002	12
Lead	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	12
Manganese	mg/L	2	<0.001	<0.001	<0.001	0.001	12
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	12
Nitrate (as N)	mg/L	8	0.04	0.05	<0.01	0.10	42
Nitrite (as N)	mg/L	8	<0.01	<0.01	<0.01	<0.01	40
pH	N/A	60	7.8	7.7	7.6	8.0	362
Potassium	mg/L	2	1.09	0.77	0.59	1.12	12
Sodium	mg/L	2	17.5	7.8	3.6	20.9	12
Sulphate, dissolved	mg/L	10	87.0	62.5	49.9	109.0	52
Temperature	°C	2	10.1	0.5	0.1	11.0	12
Total Dissolved Solids	mg/L	2	246	205	182	250	12
Total Organic Carbon	mg/L C	10	2.7	1.1	0.7	3.7	62
Trihalomethanes	mg/L	60	0.021	0.007	0.002	0.027	362
Turbidity	NTU	60	0.06	0.06	0.04	0.10	362
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	12
UV Abs	UV Abs/M	8	3.5	1.2	0.8	3.8	71
Zinc	mg/L	2	0.008	0.003	<0.003	0.012	12

Bacteriological Data

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