

# EPCOR

## Water Quality 2010

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

February 2010

Parameter	Unit	Monthly	YTD	YTD Range	
		Average	Median	Min	Max
Alkalinity, total	mg CaCO <sub>3</sub> /L	119	121	111	135
Aluminum	mg/L	0.084	0.065	0.051	0.107
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	ug/L	0.6	0.5	<0.5	0.9
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001
Chloride, dissolved	mg/L	4.24	3.91	2.38	6.00
Chlorine, total	mg/L	1.95	1.95	1.81	2.08
Chromium	mg/L	0.002	0.001	<0.001	0.004
Colour	TCU	<1	1	<1	2
Conductivity	uS/cm	346	352	331	403
Copper	mg/L	<0.003	<0.003	<0.003	<0.003
Cryptosporidium	oocysts/100L	<0.1	<0.1	<0.1	<0.1
Fluoride, dissolved	mg/L	0.71	0.71	0.67	0.75
Giardia	cysts/100L	<0.1	<0.1	<0.1	<0.1
Hardness, Calcium	mg CaCO <sub>3</sub> /L	114	115	101	130
Hardness, total	mg CaCO <sub>3</sub> /L	164	167	160	189
Iron	mg/L	<0.002	<0.002	<0.002	<0.002
Lead	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Manganese	mg/L	<0.001	<0.001	<0.001	<0.001
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate (as N)	mg/L	0.09	0.09	0.08	0.10
Nitrite (as N)	mg/L	<0.01	<0.01	<0.01	<0.01
pH	N/A	7.8	7.7	7.6	7.6
Potassium	mg/L	0.61	0.66	0.59	0.73
Sodium	mg/L	5.65	5.58	3.60	8.7
Sulphate, dissolved	mg/L	54.4	53.3	49.9	80
Temperature	°C	0.2	0.2	0.1	0.3
Total Dissolved Solids	mg/L	204	207	202	222
Total Organic Carbon	mg/L C	1.1	1.1	1.0	1.4
Trihalomethanes	mg/L	0.007	0.007	0.004	0.011
Turbidity	NTU	0.06	0.06	0.04	0.10
Uranium	mg/L	0.0005	<0.0005	<0.0005	0.0005
UV Abs	UV Abs/M	1.3	1.2	1.0	1.7
Zinc	mg/L	0.004	0.003	<0.003	0.005

#### Bacteriological Data

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