

# EPCOR

## Water Quality 2010

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

January 2010

Parameter	Unit	Monthly	YTD	YTD Range	
		Average	Median	Min	Max
Alkalinity, total	mg CaCO <sub>3</sub> /L	125	124	115	135
Aluminum	mg/L	0.062	0.065	0.051	0.066
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	ug/L	<0.5	0.5	<0.5	0.7
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001
Chloride, dissolved	mg/L	4.01	3.91	2.55	5.38
Chlorine, total	mg/L	1.94	1.94	1.85	2.08
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001
Colour	TCU	<1	<1	<1	<1
Conductivity	uS/cm	369	366	337	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	0.72	0.68	0.74
Giardia	cysts/100L	<0.1	<0.1	<0.1	<0.1
Hardness, Calcium	mg CaCO <sub>3</sub> /L	120	120	111	130
Hardness, total	mg CaCO <sub>3</sub> /L	174	173	162	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	0.09	0.10
Nitrite (as N)	mg/L	<0.01	<0.01	<0.01	<0.01
pH	N/A	7.7	7.7	7.6	7.6
Potassium	mg/L	0.71	0.72	0.70	0.73
Sodium	mg/L	6.50	6.27	3.88	8.7
Sulphate, dissolved	mg/L	57.7	57.1	52.6	67
Temperature	°C	0.2	0.2	0.1	0.3
Total Dissolved Solids	mg/L	216	216	209	222
Total Organic Carbon	mg/L C	1.1	1.1	1.0	1.4
Trihalomethanes	mg/L	0.006	0.006	0.004	0.010
Turbidity	NTU	0.06	0.06	0.04	0.09
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	<0.003	<0.003	<0.003	<0.003

#### Bacteriological Data

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