

# EPCOR

## Water Quality 2009

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

April 2009

Parameter	Unit	Monthly	YTD	YTD Range	
		Average	Median	Min	Max
Alkalinity, total	mg CaCO <sub>3</sub> /L	109	118	90	147
Aluminum	mg/L	0.044	0.047	0.036	0.055
Arsenic	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromodichloromethane	ug/L	< 0.5	0.5	< 0.5	0.9
Cadmium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chloride, dissolved	mg/L	5.09	4.19	2.47	7.49
Chlorine, total	mg/L	2.01	1.97	1.81	2.11
Chromium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Colour	TCU	< 1	< 1	< 1	1
Conductivity	uS/cm	373	370	355	419
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	0.75	0.77	0.68	0.86
Giardia	cysts/100L	< 0.1	< 0.1	< 0.1	< 0.1
Hardness, total	mg CaCO <sub>3</sub> /L	157	168	138	205
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	0.073	0.087	0.029	0.120
Nitrite (as N)	mg/L	< 0.005	< 0.005	< 0.005	< 0.005
pH	N/A	7.8	7.8	7.5	8.1
Potassium	mg/L	0.67	0.68	0.65	0.74
Sodium	mg/L	9.2	9.2	7.8	10.1
Sulphate, dissolved	mg/L	68.1	62.3	58.2	77.2
Temperature	C	0.5	0.6	0.3	1.0
Total Dissolved Solids	mg/L	206	216	203	246
Total Organic Carbon	mg/L	1.3	1.2	1.1	1.7
Trihalomethanes	mg/L	0.006	0.006	0.004	0.017
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	1.9	1.5	1.0	2.6
Zinc	mg/L	0.008	0.003	< 0.003	0.015

#### Bacteriological Data

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