

**EPCOR**  
**WATER QUALITY 2008**

**2.1.1. SUMMARY OF MAJOR CHEMICAL, MICROBIOLOGICAL AND PHYSICAL  
PARAMETERS OF EDMONTON DRINKING WATER  
March 2008**

Parameters	Unit	Monthly Average	2008 Median	2008 Range	
				Min	Max
Alkalinity, total	mg CaCO <sub>3</sub> /L	119	122	112	144
Aluminum	mg/L	0.045	0.047	0.041	0.054
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	ug/L	<0.5	0.5	<0.5	0.8
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001
Chloride, dissolved	mg/L	4.00	4.03	2.32	4.98
Chlorine, total	mg/L	1.94	1.92	1.71	2.08
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001
Colour	TCU	<1	<1	<1	1
Conductivity	microseimens/cm	360	363	351	402
Copper	mg/L	<0.003	<0.003	<0.003	<0.003
<i>Cryptosporidium</i>	oocysts/100L	<0.1	<0.1	<0.1	<0.1
Fluoride, dissolved	mg/L	0.47	0.74	0.07	0.88
<i>Giardia</i>	cysts/100L	<0.1	<0.1	<0.1	<0.1
Hardness Calcium	mg CaCO <sub>3</sub> /L	114	116	106	133
Hardness, total	mg CaCO <sub>3</sub> /L	168	172	156	196
Iron	mg/L	<0.002	<0.002	<0.002	<0.002
Lead	mg/L	<0.0002	<0.0002	<0.0002	<0.0002
Manganese	mg/L	<0.001	<0.001	<0.001	0.002
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate (as N)	mg/L	0.086	0.081	0.069	0.106
Nitrite (as N)	mg/L	<0.005	<0.005	<0.005	<0.005
pH	pH units	7.7	7.7	7.5	8.0
Potassium	mg/L	0.57	0.70	0.57	0.78
Sodium	mg/L	8.11	7.93	7.45	9.58
Sulphate, dissolved	mg/L	60.0	60.7	58.3	67.6
Temperature	Deg Celsius	0.7	0.8	0.3	1.1
Total Dissolved Solids	mg/L	215	225	212	258
Total Organic Carbon	mg/L as C	1.1	1.1	1.0	1.6
Trihalomethanes	mg/L	0.007	0.007	0.003	0.013
Turbidity	NTU	0.05	0.05	0.04	0.08
Uranium	mg/L	<0.0005	<0.0005	<0.0005	0.0005
UV Abs	UV Abs/m	1.1	1.2	0.8	2.0
Zinc	mg/L	<0.003	<0.003	<0.003	<0.003
<b>Bacteriological Data</b>					
<i>E.coli</i>	PA/100 mL	Absent	Absent	Absent	
Total Coliforms	PA/100 mL	Absent	Absent	Absent	