

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

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

Parameters	Unit	Monthly Average	2008 Median	2008 Range	
				Min	Max
Alkalinity, total	mg CaCO <sub>3</sub> /L	112	118	95	144
Aluminum	mg/L	0.038	0.044	0.030	0.058
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	ug/L	0.8	0.6	<0.5	1.2
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001
Chloride, dissolved	mg/L	4.07	4.30	2.32	6.60
Chlorine, total	mg/L	1.92	1.94	1.70	2.12
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001
Colour	TCU	<1	1	<1	1
Conductivity	microseimens/cm	415	370	328	576
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	0.44	0.74	0.02	0.88
<i>Giardia</i>	cysts/100L	<0.1	<0.1	<0.1	<0.1
Hardness Calcium	mg CaCO <sub>3</sub> /L	120	116	102	196
Hardness, total	mg CaCO <sub>3</sub> /L	166	169	147	238
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	0.052	0.069	0.028	0.106
Nitrite (as N)	mg/L	<0.005	0.005	<0.005	0.033
pH	pH units	7.7	7.7	7.5	8.0
Potassium	mg/L	0.94	0.84	0.57	1.22
Sodium	mg/L	19.1	8.95	7.28	23.9
Sulphate, dissolved	mg/L	87.6	61.6	55.8	151
Temperature	Deg Celsius	15.3	0.9	0.3	15.4
Total Dissolved Solids	mg/L	241	224	206	260
Total Organic Carbon	mg/L as C	2.8	1.3	0.9	3.6
Trihalomethanes	mg/L	0.022	0.008	0.003	0.032
Turbidity	NTU	0.06	0.05	0.04	0.10
Uranium	mg/L	<0.0005	<0.0005	<0.0005	0.0005
UV Abs	UV Abs/m	3.3	1.3	0.8	4.7
Zinc	mg/L	0.004	0.003	<0.003	0.005
<b>Bacteriological Data</b>					
<i>E.coli</i>	PA/100 mL	Absent	Absent	Absent	
Total Coliforms	PA/100 mL	Absent	Absent	Absent	