

**EPCOR**  
**WATER QUALITY 2007**

**2.1.1. SUMMARY OF MAJOR CHEMICAL, MICROBIOLOGICAL AND PHYSICAL  
PARAMETERS OF EDMONTON DRINKING WATER  
May 2007**

Parameters	Unit	Monthly Average	2007 Median	2007 Range	
				Min	Max
Aluminum	mg/L	0.128	0.039	0.030	1.097
Arsenic	mg/L	<0.001	0.0002	<0.0002	<0.001
Bromodichloromethane	mg/L	0.001	0.001	<0.005	0.015
Cadmium	mg/L	<0.001	<0.00001	<0.00001	<0.001
Calcium Hardness	mg CaCO <sub>3</sub> /L	119	167	81	176
Chloride	mg/L	3.9	3.6	2.4	10.6
Chromium	mg/L	<0.001	<0.0005	<0.0005	<0.001
Colour	TCU	1	1	<1	1
Conductivity	microseimens/cm	407	380	342	449
Copper	mg/L	0.002	<0.001	<0.001	0.003
<i>Cryptosporidium</i>	oocysts/100L	<0.1	<0.1	<0.1	<0.1
Fluoride	mg/L	0.81	0.80	0.75	0.87
<i>Giardia</i>	cysts/100L	<0.1	<0.1	<0.1	<0.1
Iron	mg/L	<0.002	<0.1	<0.002	<0.1
Lead	mg/L	<0.0002	<0.0001	<0.0001	<0.0002
Manganese	mg/L	0.001	<0.005	<0.001	0.006
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate(as N)	mg/L	0.032	0.087	0.008	0.447
Nitrite(as N)	mg/L	0.007	<0.005	<0.005	0.015
Potassium	mg/L	1.5	0.7	0.7	4.8
Sodium	mg/L	20.2	6.85	5.6	21.5
Sulphate	mg/L	82.9	82.3	57.3	122
Temperature	Deg Celsius	8.5	0.8	0.2	8.8
Total Alkalinity	mg CaCO <sub>3</sub> /L	113	120	86	141
Total Dissolved Solids	mg/L	229	224	212	234
Total Hardness	mg CaCO <sub>3</sub> /L	166	174	133	218
Total Organic Carbon	mg/L as C	2.9	1.4	0.8	3.6
Total Residual Chlorine	mg/L	2.05	1.96	1.80	2.38
Trihalomethanes	mg/L	0.022	0.009	0.002	0.037
Turbidity	NTU	0.07	0.05	0.03	0.45
UV Abs (254 nm)	UV Abs/M	3.20	1.42	0.42	4.00
Uranium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Zinc	mg/L	0.006	0.003	0.001	0.010
pH	pH Units	7.7	7.7	7.4	8.0
<b>Bacteriological Data</b>					
<i>E.coli</i>	PA/100 mL	Absent	Absent	Absent	
Total Coliforms	PA/100 mL	Absent	Absent	Absent	