

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

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

Parameters	Unit	Monthly Average	2007 Median	2007 Range	
				Min	Max
Aluminum	mg/L	0.046	0.039	0.030	1.097
Arsenic	mg/L	<0.001	0.0002	<0.0002	<0.001
Bromodichloromethane	mg/L	0.9	0.6	<0.5	15.2
Cadmium	mg/L	<0.001	<0.001	<0.00001	<0.001
Calcium Hardness	mg CaCO3/L	123	120	81	224
Chloride	mg/L	3.7	3.5	2.4	10.6
Chromium	mg/L	<0.001	<0.0005	<0.0005	<0.001
Colour	TCU	1	<1	<1	1
Conductivity	microseimens/cm	398	384	342	449
Copper	mg/L	<0.001	<0.001	<0.001	0.003
<i>Cryptosporidium</i>	oocysts/100L	<0.1	<0.1	<0.1	<0.1
Fluoride	mg/L	0.79	0.80	0.74	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	<0.0002	<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	0.052	0.084	0.008	0.447
Nitrite(as N)	mg/L	0.005	<0.005	<0.005	0.015
Potassium	mg/L	0.9	0.8	0.7	4.8
Sodium	mg/L	14.0	10.4	5.6	21.5
Sulphate	mg/L	82.5	73.3	57.3	122
Temperature	Deg Celsius	21.0	0.9	0.2	21.6
Total Alkalinity	mg CaCO3/L	118	120	86	143
Total Dissolved Solids	mg/L	234	224	212	235
Total Hardness	mg CaCO3/L	174	173	133	266
Total Organic Carbon	mg/L as C	2.4	1.4	0.8	3.6
Total Residual Chlorine	mg/L	2.00	1.97	1.80	2.38
Trihalomethanes	mg/L	0.024	0.010	0.002	0.037
Turbidity	NTU	0.06	0.05	0.03	0.45
UV Abs (254 nm)	UV Abs/M	3.02	1.66	0.42	4.00
Uranium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Zinc	mg/L	0.002	0.003	<0.001	0.010
pH	pH Units	7.72	7.72	7.40	8.00

**Bacteriological Data**

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