

EPCOR
WATER QUALITY 2007

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

Parameters	Unit	Monthly Average	2007 Median	2007 Range	
				Min	Max
Aluminum	mg/L	0.076	0.039	0.030	1.097
Arsenic	mg/L	<0.001	0.0002	<0.0002	<0.001
Bromodichloromethane	mg/L	1.1	0.7	<0.5	15.2
Cadmium	mg/L	<0.001	<0.001	<0.00001	<0.001
Calcium Hardness	mg CaCO3/L	117	120	81	224
Chloride	mg/L	3.8	3.5	2.4	10.6
Chromium	mg/L	<0.001	<0.001	<0.0005	<0.001
Colour	TCU	<1	<1	<1	1
Conductivity	microseimens/cm	388	384	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	0.80	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	0.003	<0.001	0.006
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate(as N)	mg/L	0.016	0.070	0.008	0.447
Nitrite(as N)	mg/L	<0.005	<0.005	<0.005	0.015
Potassium	mg/L	1.0	1.0	0.7	4.8
Sodium	mg/L	19.7	14.1	5.6	22.5
Sulphate	mg/L	65.1	71.8	53.7	122
Temperature	Deg Celsius	20.0	1.1	0.2	21.6
Total Alkalinity	mg CaCO3/L	120	120	86	143
Total Dissolved Solids	mg/L	238	228	212	238
Total Hardness	mg CaCO3/L	168	172	133	266
Total Organic Carbon	mg/L as C	2.3	1.6	0.8	3.6
Total Residual Chlorine	mg/L	1.98	1.97	1.80	2.38
Trihalomethanes	mg/L	0.027	0.011	0.002	0.037
Turbidity	NTU	0.06	0.05	0.03	0.45
UV Abs (254 nm)	UV Abs/M	2.60	1.93	0.40	4.00
Uranium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Zinc	mg/L	0.004	0.003	<0.001	0.010
pH	pH Units	7.70	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