

Water Quality 2008

2.1.1 SUMMARY OF MAJOR CHEMICALS, MICROBIOLOGICAL, AND PHYSICAL PARAMETERS OF EDMONTON DRINKING WATER

July 2008

Parameter	Unit	Monthly Average	YTD Median	YTD Range	
				Min	Max
Alkalinity, total	mg CaCO3/L	119	118	95	144
Aluminum	mg/L	0.066	0.046	0.030	0.101
Arsenic	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Bromodichloromethane	ug/L	1.0	0.6	< 0.5	1.2
Cadmium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chloride, dissolved	mg/L	4.08	4.27	2.32	6.60
Chlorine, total	mg/L	1.93	1.93	1.70	2.12
Chromium	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Colour	TCU	< 1	1	< 1	1
Conductivity	uS/cm	378	371	328	576
Copper	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Cryptosporidium	oocysts/100L	< 0.1	< 0.1	< 0.1	< 0.1
Fluoride, dissolved	mg/L	0.74	0.76	0.02	0.88
Giardia	cysts/100L	< 0.1	< 0.1	< 0.1	< 0.1
Hardness Calcium	mg CaCO3/L	115	116	102	196
Hardness, total	mg CaCO3/L	166	168	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	0.024	0.062	0.006	0.106
Nitrite (as N)	mg/L	< 0.005	0.005	< 0.005	0.033
pH	N/A	7.7	7.7	7.5	8.0
Potassium	mg/L	0.81	0.82	0.57	1.22
Sodium	mg/L	16.3	9.5	7.3	23.9
Sulphate, dissolved	mg/L	65.1	62.3	55.8	151.0
Temperature	C	20.3	1.0	0.3	20.5
Total Dissolved Solids	mg/L	245	224	206	260
Total Organic Carbon	mg/L	2.2	1.4	0.9	3.6
Trihalomethanes	mg/L	0.028	0.009	0.003	0.034
Turbidity	NTU	0.05	0.05	0.04	0.10
Uranium, extractable	mg/L	< 0.0005	< 0.0005	< 0.0005	0.0005
UV Abs	UV Abs/M	3.1	1.5	0.8	4.7
Zinc	mg/L	0.005	0.003	< 0.003	0.005

Bacteriological Data

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