

**Water Sample Results - General Chemistry and Metals**

Parameter	Units	Canadian Drinking Water Guideline	Detection Limit	Tatamagouche (083)
				21-Jul-2008
<b>General Chemistry</b>				
Total Alkalinity (Total as CaCO <sub>3</sub> )	mg/L	-	5	210
Chloride (Cl)	mg/L	250 AO	1	7
Colour	TCU	15 AO	5	25
Hardness (CaCO <sub>3</sub> )	mg/L	500 AO	-	20
Nitrate + Nitrite	mg/L	10	0.05	ND
Nitrite (N)	mg/L	1	0.01	ND
Nitrate (N)	mg/L	10	0.05	ND
Nitrogen (Ammonia Nitrogen)	mg/L	-	0.05	ND
Total Organic Carbon (C)	mg/L	-	0.5	ND
Orthophosphate (P)	mg/L	-	0.01	ND
pH	pH	6.5 - 8.5 AO	-	9.12
Reactive Silica (SiO <sub>2</sub> )	mg/L	-	0.5	8
Sulphate (SO <sub>4</sub> )	mg/L	500 AO	2	18
Turbidity	NTU	5 AO	0.1	21
Conductivity	uS/cm	-	-	440
Anion Sum	me/L	-	-	4.78
Bicarb. Alkalinity (calc. as CaCO <sub>3</sub> )	mg/L	-	1	187
Calculated TDS	mg/L	-	1	270
Carb. Alkalinity (calc. as CaCO <sub>3</sub> )	mg/L	-	1	23
Cation Sum	me/L	-	-	4.89
Ion Balance (% Difference)	%	-	-	1.14
Langelier Index (@ 20C)	N/A	-	-	0.784
Langelier Index (@ 4C)	N/A	-	-	0.534
Saturation pH (@ 20C)	N/A	-	-	8.34
Saturation pH (@ 4C)	N/A	-	-	8.59
Calcium (Ca)	mg/L	-	0.1	6.3
Magnesium (Mg)	mg/L	-	0.1	0.9
Phosphorus (P)	mg/L	-	0.1	ND
Potassium (K)	mg/L	-	0.1	0.4
Sodium (Na)	mg/L	200 AO	0.1	100
Bromide (Br)	mg/L	-	0.5	ND
Fluoride (F)	mg/L	1.5	0.1	0.9
<b>Metals</b>				
Aluminum (Al)	ug/L	-	10	100
Antimony (Sb)	ug/L	6	2	ND
Arsenic (As)	ug/L	10	2	8
Barium (Ba)	ug/L	1000	5	68
Beryllium (Be)	ug/L	-	2	ND
Bismuth (Bi)	ug/L	-	2	ND
Boron (B)	ug/L	5000	5	61
Cadmium (Cd)	ug/L	5	0.3	ND
Chromium (Cr)	ug/L	50	2	ND
Cobalt (Co)	ug/L	-	1	ND
Copper (Cu)	ug/L	1000 AO	2	ND
Iron (Fe)	ug/L	300 AO	50	150
Lead (Pb)	ug/L	10	0.5	ND
Manganese (Mn)	ug/L	50 AO	2	160
Molybdenum (Mo)	ug/L	-	2	15
Mercury (Hg)	ug/L	1	0.01	0.01
Nickel (Ni)	ug/L	-	2	ND
Selenium (Se)	ug/L	10	2	ND
Silver (Ag)	ug/L	-	0.5	ND
Strontium (Sr)	ug/L	-	5	71
Thallium (Tl)	ug/L	-	0.1	ND
Tin (Sn)	ug/L	-	2	ND
Titanium (Ti)	ug/L	-	2	5
Uranium (U)	ug/L	20	0.1	11
Vanadium (V)	ug/L	-	2	ND
Zinc (Zn)	ug/L	5000 AO	5	6

**Notes:**

AO = Aesthetic Objective.

ND = not detected

ND( ) = not detected at the elevated detection limit shown in brackets ( )

All guidelines are health-based MACs or IMACs, unless otherwise indicated.

Shaded values exceed guidelines.