

Water Sample Results - General Chemistry and Metals

Parameter	Units	Canadian Drinking Water Guideline	Detection Limit	Margaree (064)	
				14-Dec-2006	10-Dec-2008
General Chemistry					
Total Alkalinity (Total as CaCO ₃)	mg/L	-	5	160	160
Chloride (Cl)	mg/L	250 AO	1	10	8
Colour	TCU	15 AO	5	ND	ND
Hardness (CaCO ₃)	mg/L	500 AO	-	210	190
Nitrate + Nitrite	mg/L	10	0.05	ND	ND
Nitrite (N)	mg/L	1	0.01	ND	ND
Nitrate (N)	mg/L	10	0.05	ND	ND
Nitrogen (Ammonia Nitrogen)	mg/L	-	0.05	0.13	0.12
Total Organic Carbon (C)	mg/L	-	0.5	3.6	ND
Orthophosphate (P)	mg/L	-	0.01	ND	ND
pH	pH	6.5 - 8.5 AO	-	8.13	8.11
Reactive Silica (SiO ₂)	mg/L	-	0.5	12	16
Sulphate (SO ₄)	mg/L	500 AO	2	93	87
Turbidity	NTU	5 AO	0.1	0.2	0.7
Conductivity	uS/cm	-	-	510	510
Anion Sum	me/L	-	-	5.48	5.17
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	-	1	160	154
Calculated TDS	mg/L	-	1	311	295
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	-	1	2	2
Cation Sum	me/L	-	-	5.5	4.95
Ion Balance (% Difference)	%	-	-	0.182	2.17
Langelier Index (@ 20C)	N/A	-	-	0.525	0.484
Langelier Index (@ 4C)	N/A	-	-	0.276	0.235
Saturation pH (@ 20C)	N/A	-	-	7.61	7.63
Saturation pH (@ 4C)	N/A	-	-	7.85	7.88
Calcium (Ca)	mg/L	-	0.1	41	41
Magnesium (Mg)	mg/L	-	0.1	26	21
Phosphorus (P)	mg/L	-	0.1	ND	ND
Potassium (K)	mg/L	-	0.1	1.7	1.3
Sodium (Na)	mg/L	200 AO	0.1	28	27
Bromide (Br)	mg/L	-	0.5	ND	ND
Fluoride (F)	mg/L	1.5	0.1	0.6	0.6
Metals					
Aluminum (Al)	ug/L	-	10	12	ND
Antimony (Sb)	ug/L	6	2	ND	ND
Arsenic (As)	ug/L	10	2	ND	ND
Barium (Ba)	ug/L	1000	5	21	19
Beryllium (Be)	ug/L	-	2	ND	ND
Bismuth (Bi)	ug/L	-	2	ND	ND
Boron (B)	ug/L	5000	5	450	490
Cadmium (Cd)	ug/L	5	0.3	ND	ND
Chromium (Cr)	ug/L	50	2	ND	ND
Cobalt (Co)	ug/L	-	1	ND	ND
Copper (Cu)	ug/L	1000 AO	2	ND	ND
Iron (Fe)	ug/L	300 AO	50	ND	ND
Lead (Pb)	ug/L	10	0.5	ND	ND
Manganese (Mn)	ug/L	50 AO	2	5	ND
Molybdenum (Mo)	ug/L	-	2	ND	ND
Mercury (Hg)	ug/L	1	0.01	ND	ND
Nickel (Ni)	ug/L	-	2	ND	ND
Selenium (Se)	ug/L	10	2	ND	ND
Silver (Ag)	ug/L	-	0.5	ND	ND
Strontium (Sr)	ug/L	-	5	15000	14000
Thallium (Tl)	ug/L	-	0.1	ND	ND
Tin (Sn)	ug/L	-	2	ND	ND
Titanium (Ti)	ug/L	-	2	ND	ND
Uranium (U)	ug/L	20	0.1	ND	ND
Vanadium (V)	ug/L	-	2	ND	ND
Zinc (Zn)	ug/L	5000 AO	5	ND	ND

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.