

Saltspring Water Co.
13Dec06 2:01p W71699
Well water

Arrival temp.: 5.0C

Sample	lactose fermentors	Coliforms Total	Fecal	Sulfur Reducing/ Iron Bacteria	TPC*
Wellhead - untreated 239 Armand Way -SSI 13Dec06 08:30a	0.72	ND	ND	ND / ND	128

* all counts are colony forming units per milli-litre

ND = none detected

TPC = total plate count- spread plate method - 35C/48hr TGEA

Comments:

For Interpretation of Results:

Total or Fecal Coliforms present greater than 0 CFU/100mL (0 CFU/mL):
IF Coliform numbers exceed safe limits for drinking water-
water is not suitable for drinking without treatment.

Total Non-coliform bacteria (=Lactose Fermentors) equal to or greater than
200 CFU/100mL (2.0 CFU/mL):
IF the number of organisms present exceed recommended guidelines for
drinking water; treatment is strongly recommended.

Total Plate Count bacteria are -

- A) greater than 100 CFU/mL:
IF high numbers of microbial organisms indicate that this water supply
should be monitored on a seasonal basis.
- B) greater than 500 CFU/mL:
IF the number of organisms present exceed recommended guidelines for
drinking water; treatment is strongly recommended.

- see following page for chemistry results -

T. Winchester
Microbiologist

W. Riggs
Sr. Microbiologist

M.B. LABS LTD
T: 656-1334 F: 656-0443 E: mblabs@pacificcoast.net W: www.mblabs.com
.

13Dec06 2:01p W71699 pg2
Well
water
1

Arrival temp.: 5.0C

Sample: Wellhead - untreated 239 Armand Way -SSI 13Dec06 08:30a

ELEMENTS		SAMPLE	UNITS	Maximum Limits Permissible In Drinking Water*
1) Aluminium	Al	0.433	mg/L	no limit listed
2) Antimony	Sb	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	<0.500	ug/L	10.0 ug/L
4) Barium	Ba	<0.009	mg/L	1.00 mg/L
5) Beryllium	Be	0.004	mg/L	no limit listed
6) Boron	B	0.593	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.100	ug/L	5.00 ug/L
8) Calcium	Ca	9.74	mg/L	200 mg/L
9) Chromium	Cr	<0.010	mg/L	0.050 mg/L
10) Cobalt	Co	<0.020	mg/L	no limit listed
11) Copper	Cu	0.516	mg/L	1.00 mg/L
12) Gold	Au	<0.040	mg/L	no limit listed
13) Iron	Fe	0.095	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	mg/L	no limit listed
15) Lead	Pb	<0.500	ug/L	10.0 ug/L
16) Magnesium	Mg	2.40	mg/L	50.0 mg/L
17) Manganese	Mn	<0.004	mg/L	0.050 mg/L
18) Molybdenum	Mo	<0.020	mg/L	no limit listed
19) Nickel	Ni	<0.050	mg/L	no limit listed
20) Phosphorus	P	<0.065	mg/L	no limit listed
21) Potassium	K	0.734	mg/L	no limit listed
22) Scandium	Sc	<0.050	mg/L	no limit listed
23) Silicon	Si	8.86	mg/L	no limit listed
24) Silver	Ag	<0.010	mg/L	0.050 mg/L
25) Sodium	Na	9.26	mg/L	200 mg/L
26) Strontium	Sr	0.039	mg/L	no limit listed
27) Titanium	Ti	<0.010	mg/L	no limit listed
28) Tungsten	W	<0.050	mg/L	no limit listed
29) Vanadium	V	<0.010	mg/L	no limit listed
30) Zinc	Zn	0.161	mg/L	5.00 mg/L
Hardness (mg/L CaCO3)		34.2	mg/L	0-75 mg/L = soft
pH		7.61	units	6.5 to 8.5

* As per Canadian or B.C. Health Act Safe Drinking Water Regulation BC Reg 230/92,
& 390 Sch 120, 2001. Task Force of Canadian Council of Resource & Envir. Ministers
Guidelines for Canadian Drinking Water Quality, 1996. Ammend. Health Canada (2006).

Comments:

All constituents tested meet Canadian and B.C. drinking water standards.

R. Bilodeau
Analytical Chemist

H. Hartmann
Sr. Analytical Chemist

M.B. LABS LTD
T: 656-1334 F: 656-0443 E: mblabs@pacificcoast.net W: www.mblabs.com

13Dec06 2:01p W71699 pg3
 FWS
 water

Arrival temp.: 5.0C

SAMPLE	DATE	TIME	Alkalinity (mg/L)	NH3-N (mg/L)	Cl- (mg/L)	Colour (TCU)	E.C. (uS/cm)
Wellhead - not treat 239 Armand Way -SSI	13Dec06	08:30a	30.0	ND	7.14	1.67	104
Lab Blank			ND	ND	ND	ND	ND
So			0.100	0.000	0.015	0.300	0.300
REF. VALUE			200	1.00	10.0	5.00	147
STD n 2SD			199 n 13.7	1.01 n 0.088	9.91 n 0.941	4.98 n 0.440	147 n 10.1

SAMPLE	DATE	TIME	CORROSIIVITY (Is)	F- (mg/L)	S2- (mg/L)	TKN (mg/L)	NO3-N (ug/L)
Wellhead - not treat 239 Armand Way -SSI	13Dec06	08:30a	-1.31	ND	ND	ND	439
Lab Blank			ND	ND	ND	ND	ND
So				0.007	0.015	0.012	0.160
REF. VALUE				0.100	0.500	0.100	100
STD n 2SD				0.102 n 0.010	0.504 n 0.042	0.100 n 0.011	99.7 n 9.07

SAMPLE	DATE	TIME	NO2-N (ug/L)	SO42- (mg/L)	T.O.C. (mg/L)	TDS (mg/L)	Turbidity (NTU)
Wellhead - not treat 239 Armand Way -SSI	13Dec06	08:30a	0.143	7.14	ND	60.4	1.90
Lab Blank			ND	ND	ND	ND	ND
So			0.300	0.075	0.300	0.700	0.015
REF. VALUE			10.0	10.0	10.0	200	5.00
STD n 2SD			9.82 n 0.880	10.5 n 1.08	9.92 n 0.888	202 n 16.6	5.00 n 0.365

SD = standard deviation
 STD = secondary standard calibrated to primary standard reference material
 So = standard deviation at zero analyte concentration; method detection limit
 is generally considered to be 3x So value
 ND = none detected n/a = not applicable

 R. Bilodeau
 Analytical Chemist

 H. Hartmann
 Sr.Analytical Chemist

M.B. LABS LTD
 T: 656-1334 F: 656-0443 E: mblabs@pacificcoast.net W: www.mblabs.com