

Client/Code

Terri-Ann Dunning
142 Dover Place
Saltspring, BC
V8K 1R8

Date 13Jul16 1:07p
Source Well
Type of Sample water
No. of Samples 1

No. W127916

TEL: 250-538-8565 Comments Arrival temp.: 9.0C
stunningdunningdesigns@gmail.com Paid MC Batch 762

Sample	Date	Time	lactose		Coliforms		Yeast/Fungi	TPC*
			Fermentors	Total	Fecal			
Kitchen Tap	13Jul16		6.00	ND	ND	ND / ND		12.0

* all counts are colony forming units per milli-litre

ND = none detected

TPC = total plate count- spread plate method - 35C/48hr TGEA
FDA/BAM 8th ed, 1995 + Revision A, 1998, May 2009

Fecal Coliforms may also be known as Thermotolerant Coliforms

Comments:

For Interpretation of Results:

Total, Fecal Coliforms or E.coli 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.

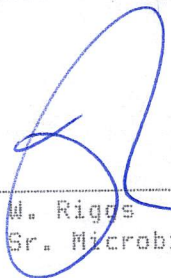
Total Non-coliform bacteria (=Lactose Fermentors) equal to or greater than
200 CFU/100mL (2.0 CFU/mL):
IF the number of organisms present exceed recommended guidelines for
drinking water; treatment is strongly recommended.

If Total Plate Count bacteria are -

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

- see following page for chemistry results -

M. Milholm
Microbiologist


M. Riggs
Sr. Microbiologist



MB LABS LTD.

ANALYTICAL & TESTING SERVICES P.O. BOX 2103, SIDNEY, B.C. V8L 3S6

TEL: (250) 656-1334 FAX: 656-0443

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Date 13Jul16 1:07p
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 No. of Samples 1

No. W127916 pg2

TEL: 250-538-8565 Comments Arrival temp.: 9.0C
 stunningdunningdesigns@gmail.com Paid MC Batch 762

Sample: Kitchen Tap 13Jul16

ELEMENTS		SAMPLE	UNITS	Maximum Limits Fermissible In Drinking Water*
1) Aluminium	Al	0.048	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	0.028	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	mg/L	no limit listed
6) Boron	B	0.414	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.100	ug/L	5.00 ug/L
8) Calcium	Ca	2.06	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	<0.008	mg/L	1.00 mg/L
12) Gold	Au	<0.040	ug/L	no limit listed
13) Iron	Fe	0.161	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	0.061	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	<0.010	mg/L	no limit listed
21) Potassium	K	0.216	mg/L	no limit listed
22) Scandium	Sc	<0.050	mg/L	no limit listed
23) Silicon	Si	1.41	mg/L	no limit listed
24) Silver	Ag	<0.010	mg/L	0.050 mg/L
25) Sodium	Na	153	mg/L	200 mg/L
26) Strontium	Sr	<0.002	ug/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	0.180	mg/L	5.00 mg/L
Hardness (mg/L CaCO ₃)		5.40	mg/L	0-75 mg/L = soft
pH		9.27	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, 2014.

Comments:

pH: extremes in pH can lead to corrosion (too low) or incrustation (too high) of pipes & plumbing fixtures. Water with low pH allows metals to dissolve into water; water with high pH reduces disinfection efficacy, increases THM & scale formations.

R. Bilodeau
 Analytical Chemist

H. Hartmann
 Sr. Analytical Chemist



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