

Client/Code

N. Saltspring Waterworks - M
Ron Stepaniuk, Dist. Manage(A)
761 Upper Ganges Rd.
Salt Spring Island, BC
V8K 1S1

TEL: (250) 537-9902
group

Date 12Aug19 8:37a
Source FWS
Type of Sample water
No. of Samples 7

No. W149096

Comments Arrival temp.: 13.0C
Sampler: Aaron Greene

Samples: Scott Point District

Site Code	Date	Time	CFU/100 ml		CFU/100 ml		CFU/100 mL
			TC	T-NC	FC	F-NC	E.coli
Marina Cr 2D001	09Aug19	10:20a	0	8800	0	0	0
Marina Cr 2D001	DUP	10:20a	0	5200	0	0	0

TC = total coliform bacteria
FC = fecal coliform bacteria (aka thermotolerant coliforms)
NC = non-coliform bacteria
CFU/100 ml = colony forming units per 100 milli-litres

Results may be adversely affected if samples are submitted to the laboratory more than 24 to 30 hours after collection.

E. coli = Escherichia coli, FDA/BAM 8th ed, 1995 + Revision A, 1998
Bergey's Manual of Systematic Bacteriology vol 1, AOAC 1984; J.Clin.Micro., J.Intern.Systm.Bact.

- see following page for chemistry results -

K. Paneque Martinez
Microbiologist

W. Riggs
Sr. Microbiologist



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No. W149096 pg2

TEL: (250) 537-9902
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Comments Arrival temp.: 13.0C
 Sampler: Aaron Greene

Samples: Scott Point District

- 2) Well #1 RAW 2CFF7 09Aug19 10:05a 3) Well 1&4 Trtd 3E079 09Aug19 10:10a 4) Well #3 RAW 2CFF8 09Aug19 09:15a
 5) Well #3 Trtd 2CFFC 09Aug19 09:05a 6) Well #4 RAW 2CFF9 09Aug19 09:30a 7) Well #4 Trtd 2D081 09Aug19 09:40a

ELEMENTS		2	3	4	5	6	7	UNITS	Maximum Limits Permissible
		SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE		In Drinking Water*
1) Aluminium	Al	0.195	0.227	0.197	0.161	0.991	0.212	mg/L	no limit listed
2) Antimony	Sb	0.760	0.630	<0.500	<0.500	<0.500	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	ug/L	10.0 ug/L
4) Barium	Ba	0.186	<0.009	0.025	0.023	0.049	0.027	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/L	no limit listed
6) Boron	B	0.710	0.876	0.604	0.540	0.506	0.510	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	ug/L	5.00 ug/L
8) Calcium	Ca	317	20.4	32.3	31.0	93.3	94.6	mg/L	200 mg/L
9) Chromium	Cr	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	0.050 mg/L
10) Cobalt	Co	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
11) Copper	Cu	0.033	0.008	<0.008	<0.008	0.023	0.024	mg/L	1.00 mg/L
12) Gold	Au	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	mg/L	no limit listed
13) Iron	Fe	0.267	<0.010	0.247	0.032	0.715	<0.010	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
15) Lead	Pb	3.31	1.04	<0.500	2.41	4.08	1.60	ug/L	5.00 ug/L
16) Magnesium	Mg	94.2	2.99	8.45	8.12	23.6	23.8	mg/L	50.0 mg/L
17) Manganese	Mn	1.51	0.032	0.096	0.004	0.753	0.077	mg/L	0.120 MAC 0.020 AO
18) Mercury	Hg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	ug/L	1.00 ug/L
19) Molybdenum	Mo	0.096	0.027	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
20) Nickel	Ni	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	mg/L	no limit listed
21) Phosphorus	P	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
22) Potassium	K	8.90	0.610	1.29	1.19	0.800	1.12	mg/L	no limit listed
23) Scandium	Sc	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	mg/L	no limit listed
24) Selenium	Se	0.873	<0.500	<0.500	<0.500	<0.500	<0.500	ug/L	5.0 ug/L
25) Silicon	Si	3.81	0.485	5.92	5.69	6.56	6.52	mg/L	no limit listed
26) Silver	Ag	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
27) Sodium	Na	1770	119	20.2	19.1	96.8	104	mg/L	200 mg/L
28) Strontium	Sr	9.15	0.220	0.240	0.220	1.14	1.15	mg/L	no limit listed
29) Tin	Sn	0.031	<0.020	<0.020	<0.020	<0.020	<0.020	mg/L	no limit listed
30) Titanium	Ti	0.021	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
31) Tungsten	W	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	mg/L	no limit listed
32) Vanadium	V	0.025	<0.010	<0.010	<0.010	<0.010	<0.010	mg/L	no limit listed
33) Zinc	Zn	0.037	0.030	0.003	0.010	0.032	0.031	mg/L	5.00 mg/L
Hardness (mg/L CaCO ₃)		1180	63.3	115	111	330	334	mg/L	>300 mg/L = very hard
pH		6.84	6.00	6.23	6.29	6.74	6.87	units	7.0 to 10.5

* 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, 2019.



P. Bilodeau
 Analytical Chemist

H. Hartmann
 Sr. Analytical Chemist

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No. of Samples 7

No. W149096 pg3


Comments Arrival temp.: 13.0C
Sampler: Aaron Greene

Samples: Scott Point District

SAMPLE	DATE	TIME	TDS (mg/L)
2 Well #1 RAW 2CFF7	09Aug19	10:05a	6989
3 Well 1&4 Trtd 3E079	09Aug19	10:10a	294
4 Well #3 RAW 2CFF8	09Aug19	09:15a	180
5 Well #3 Trtd 2CFFC	09Aug19	09:05a	183
6 Well #4 Raw 2CFF9	09Aug19	09:05a	721
7 Well #4 Trtd 2D081	09Aug19	09:40a	742
Lab Blank			ND
S _o			0.700
REF. VALUE			1000
STD ± 2SD			1089 ± 92.0

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

R. Bilodeau
Analytical Chemist



H. Hartmann
Sr. Analytical Chemist

