

Client/Code

Braithwaite Estates Imp. Dist.
P.O. Box 282
Cobble Hill, BC
V0R 1L0

Date 08Jan19 3:06p
Source Well
Type of Sample water
No. of Samples 2

No. W144776

TEL: (250) 743-7211
braithwaiteestates@shaw.ca

Comments Arrival temp.: 7.0C
Sampler: Alan Seal

Samples: 1) #2 Well Head 08Jan19 09:20a 2) #4 Well Head 08Jan19 09:30a

ELEMENTS		1	2	UNITS	Maximum Limits In Drinking Water*
		SAMPLE	SAMPLE		
1) Aluminium	Al	0.201	0.189	mg/L	no limit listed
2) Antimony	Sb	<0.500	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	2.36	1.75	ug/L	10.0 ug/L
4) Barium	Ba	<0.009	<0.009	mg/L	1.00 mg/L
5) Beryllium	Be	<0.003	<0.003	mg/L	no limit listed
6) Bismuth	Bi	<0.010	<0.010	mg/L	no limit listed
7) Boron	B	0.709	0.645	mg/L	5.00 mg/L
8) Cadmium	Cd	<0.010	<0.010	ug/L	5.00 ug/L
9) Calcium	Ca	24.6	24.8	mg/L	200 mg/L
10) Chromium	Cr	<0.010	<0.010	mg/L	0.050 mg/L
11) Cobalt	Co	<0.020	<0.020	mg/L	no limit listed
12) Copper	Cu	<0.008	<0.008	mg/L	1.00 mg/L
13) Gold	Au	<0.040	<0.040	mg/L	no limit listed
14) Iron	Fe	0.011	0.018	mg/L	0.300 mg/L
15) Lanthanum	La	<0.020	<0.020	mg/L	no limit listed
16) Lead	Pb	<0.500	<0.500	ug/L	10.0 ug/L
17) Lithium	Li	<0.010	<0.010	mg/L	no limit listed
18) Magnesium	Mg	4.65	5.79	mg/L	50.0 mg/L
19) Manganese	Mn	<0.004	<0.004	mg/L	0.050 mg/L
20) Mercury	Hg	<0.010	<0.010	ug/L	1.00 ug/L
21) Molybdenum	Mo	<0.020	<0.020	mg/L	no limit listed
22) Nickel	Ni	<0.050	<0.050	mg/L	no limit listed
23) Phosphorus	P	0.057	0.044	mg/L	no limit listed
24) Potassium	K	0.800	0.760	mg/L	no limit listed
25) Scandium	Sc	<0.050	<0.050	mg/L	no limit listed
26) Selenium	Se	<0.500	<0.500	ug/L	5.0 ug/L
27) Silicon	Si	8.05	7.88	mg/L	no limit listed
28) Silver	Ag	<0.010	<0.010	mg/L	0.050 mg/L
29) Sodium	Na	6.33	5.86	mg/L	200 mg/L
30) Strontium	Sr	0.090	0.100	mg/L	no limit listed
31) Tin	Sn	0.045	0.055	mg/L	no limit listed
32) Titanium	Ti	<0.010	<0.010	mg/L	no limit listed
33) Tungsten	W	<0.050	<0.050	mg/L	no limit listed
34) Uranium	U	<0.100	<0.100	ug/L	100 ug/L
35) Vanadium	V	<0.010	<0.010	mg/L	no limit listed
36) Zinc	Zn	0.022	0.037	mg/L	5.00 mg/L
37) Zirconium	Zr	0.023	<0.100	mg/L	no limit listed
Hardness (mg/L CaCO ₃)		80.6	85.8	mg/L	75-150 mg/L = moderately hard
pH		7.84	7.86	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.



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

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No. W144776 pg2

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Comments Arrival temp.: 7.0C
 Sampler: Alan Seal

SAMPLE	DATE	TIME	Alkalinity (mg/L)	NH ₃ -N (ug/L)	D.Cl ⁻ (mg/L)	Colour (TCU)
1 #2 Well Head	08Jan19	09:20a	75.0	8.30	6.49	0.400
2 #4 Well Head	08Jan19	09:30a	100	6.80	12.4	0.210
Lab Blank			ND	ND	ND	ND
S _o			0.100	0.254	0.015	0.300
REF. VALUE			100	10.0	10.0	5.00
STD ± 2SD			106 ± 9.20	9.80 ± 0.978	9.88 ± 0.890	4.82 ± 0.460

SAMPLE	DATE	TIME	E.C. (uS/cm)	CORROSIVITY (Is @20C)	D.F ⁻ (mg/L)	5 ²⁻ (ug/L)	TKN (mg/L)
1 #2 Well Head	08Jan19	09:20a	183	-0.281	0.070	ND	0.008
2 #4 Well Head	08Jan19	09:30a	222	-0.133	0.065	ND	0.007
Lab Blank			ND		ND	ND	ND
S _o			0.300		0.007	0.007	0.012
REF. VALUE			147		1.00	50.0	0.100
STD ± 2SD			143 ± 12.9		0.980 ± 0.090	50.6 ± 4.22	0.108 ± 0.008

SAMPLE	DATE	TIME	NO ₃ -N (mg/L)	NO ₂ -N (ug/L)	TN (mg/L)	TPO ₄ ³⁻ -P (ug/L)
1 #2 Well Head	08Jan19	09:20a	1.08	ND	1.09	51.0
2 #4 Well Head	08Jan19	09:30a	3.33	ND	3.34	29.1
Lab Blank			ND	ND	ND	ND
S _o			0.160 ug/L	0.300	0.033	0.150
REF. VALUE			10.0	10.0	10.0	10.0
STD ± 2SD			10.5 ± 0.820	9.92 ± 0.892	9.88 ± 0.890	9.96 ± 0.866

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No. W144776 pg3

TEL: (250) 743-7211
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Comments Arrival temp.: 7.0C
 Sampler: Alan Seal

SAMPLE	DATE	TIME	D.50 _μ ²⁻ (mg/L)	D.O.C. (mg/L)	TDS (mg/L)	Turbidity (NTU)
1 #2 Well Head	08Jan19	09:20a	4.12	ND	106	0.180
2 #4 Well Head	08Jan19	09:30a	4.86	ND	129	0.300
Lab Blank			ND	ND	ND	ND
S ₀			0.075	0.300	0.700	0.015
REF. VALUE			10.0	0.500	200	0.500
STD ± 2SD			9.92 ± 0.890	0.490 ± 0.390	198 ± 16.9	0.478 ± 0.040

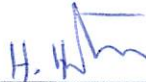
SD = standard deviation

STD = secondary standard calibrated to primary standard reference material

S₀ = standard deviation at zero analyte concentration; method detection limit
 is generally considered to be 3x S₀ value

ND = none detected n/a = not applicable

 R. Bilodeau
 Analytical Chemist



 H. Hartmann
 Sr. Analytical Chemist

