

Client/Code

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

Date 04Feb20 3:26p
 Source Well
 Type of Sample water
 No. of Samples 2

No. W152280

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

Samples: 1) #2 Well Head 04Feb20 09:00a 2) #4 Well Head 04Feb20 09:12a

ELEMENTS		1		2		Maximum Limits Permissible In Drinking Water*
		SAMPLE	SAMPLE	UNITS		
1) Aluminium	Al	0.226	0.201	mg/L	no limit listed	
2) Antimony	Sb	<0.500	<0.500	ug/L	6.00 ug/L	
3) Arsenic	As	2.16	1.93	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	<0.100	<0.100	ug/L	no limit listed	
7) Boron	B	0.548	0.450	mg/L	5.00 mg/L	
8) Cadmium	Cd	<0.010	<0.010	ug/L	5.00 ug/L	
9) Calcium	Ca	19.0	23.1	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	0.018	<0.008	mg/L	1.00 mg/L	
13) Gold	Au	<0.040	<0.040	mg/L	no limit listed	
14) Iron	Fe	0.019	0.018	mg/L	0.300 mg/L	
15) Lanthanum	La	<0.020	<0.020	mg/L	no limit listed	
16) Lead	Pb	1.80	<0.500	ug/L	5.00 ug/L	
17) Lithium	Li	<0.100	<0.100	ug/L	no limit listed	
18) Magnesium	Mg	4.27	6.28	mg/L	50.0 mg/L	
19) Manganese	Mn	<0.004	<0.004	mg/L	0.120 MAC 0.020 AO	
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	0.073	0.079	mg/L	no limit listed	
24) Potassium	K	0.810	0.840	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	8.63	9.61	mg/L	no limit listed	
28) Silver	Ag	<0.010	<0.010	mg/L	no limit listed	
29) Sodium	Na	7.09	6.66	mg/L	200 mg/L	
30) Strontium	Sr	0.090	0.110	mg/L	no limit listed	
31) Tin	Sn	<0.020	<0.020	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	0.023	0.019	mg/L	5.00 mg/L	
37) Zirconium	Zr	<0.100	<0.100	ug/L	no limit listed	
Hardness (mg/L CaCO ₃)		65.0	83.5	mg/L	0-75 mg/L = soft	
pH		7.33	7.42	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.



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

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No. W152280 pg2

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

SAMPLE	DATE	TIME	Alkalinity (mg/L)	NH ₃ -N (ug/L)	Cl ⁻ (mg/L)	Colour (TCU)	E.C. (uS/cm)
1 #2 Well Head	04Feb20	09:00a	75.0	ND	6.95	ND	173
2 #4 Well Head	04Feb20	09:12a	85.0	ND	12.2	ND	217
Lab Blank			ND	ND	ND	ND	ND
So			0.100	0.254	0.015	0.300	0.300
REF. VALUE			200	20.0	100	5.00	147
STD ± 2SD			199 ± 11.6	19.2 ± 1.66	98.8 ± 8.99	4.99 ± 0.355	147 ± 7.53

SAMPLE	DATE	TIME	CORROSIVITY (Is @20C)	D.O.C. (mg/L)	F ⁻ (mg/L)	S ²⁻ (ug/L)	TKN (mg/L)
1 #2 Well Head	04Feb20	09:00a	-0.904	1.02	0.066	ND	ND
2 #4 Well Head	04Feb20	09:12a	-0.674	1.02	0.049	ND	ND
Lab Blank				ND	ND	ND	ND
So				0.300	0.007 ug/L	0.007	0.012
REF. VALUE				5.00	1.00	50.0	10.0
STD ± 2SD				5.05 ± 4.90	1.08 ± 0.090	52.0 ± 4.99	10.0 ± 0.807

SAMPLE	DATE	TIME	NO ₃ -N (mg/L)	NO ₂ -N (ug/L)	T.SiO ₂ (mg/L)	SO ₄ ²⁻ (mg/L)	T.O.C. (mg/L)
1 #2 Well Head	04Feb20	09:00a	0.775	ND	9.80	4.56	3.74
2 #4 Well Head	04Feb20	09:12a	2.15	ND	11.2	5.27	3.74
Lab Blank			ND	ND	ND	ND	ND
So			0.160 ug/L	0.300	0.003	0.075	0.300
REF. VALUE			1.00	10.0	10.0	10.0	5.00
STD ± 2SD			0.968 ± 0.087	10.4 ± 0.902	10.4 ± 1.01	10.3 ± 0.890	5.06 ± 0.489

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No. W152280 pg3

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

Comments Arrival temp.: 7.0C
 Sampler: Alan Seal

<u>SAMPLE</u>	<u>DATE</u>	<u>TIME</u>	<u>TDS</u> (mg/L)	<u>Turbidity</u> (NTU)	<u>UVT</u> (%)
1 #2 Well Head	04Feb20	09:00a	101	0.170	100
2 #4 Well Head	04Feb20	09:12a	126	0.110	100
Lab Blank			ND	ND	ND
S_0			0.700	0.015	0.003
REF. VALUE			200	5.00	90.0
STD \pm 2SD			200 \pm 10.4	5.01 \pm 0.304	90.0 \pm 0.02

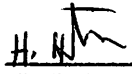
SD = standard deviation

STD = secondary standard calibrated to primary standard reference material

S_0 = standard deviation at zero analyte concentration; method detection limit
 is generally considered to be 3x S_0 value

ND = none detected n/a = not applicable

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