

Client/Code

Independent Pump & Mechanical --E
 *A
 PO Box 390
 Shawnigan Lake, BC
 V0R 2W0

Date 21Jun22 2:13p No. W168774
 Source Well
 Type of Sample water
 No. of Samples 1

TEL: (250) 743-3075 Comments Arrival temp.: 10.7C
 admin@independentpump.ca Sampler: Trisha Oud

Site Code	Date	Time	CFU/100 ml		CFU/100 ml		CFU/100 ml
			TC	T-NC	FC	F-NC	E.coli
Valley View #2 13088	21Jun22	10:45a	0	0	0	0	0

WATER DISTRICT SCREEN

Sample	Date	Time	Lactose	Coliforms			Total	Sulfur Reducing/		TPC*
			Fermentors	Total	Fecal	E.coli	Aeromonas	Iron Bacteria	Yeast/Funqi	
Valley View #2 13088	21Jun22	10:45a	ND	ND	ND	ND	ND	ND / ND	ND / ND	0.04

* all counts are colony forming units per milli-litre

TC = total coliform bacteria FC = fecal coliform bacteria (aka Thermotolerant Coliforms)
 NC = non-coliform bacteria ND = none detected
 TPC = total plate count- spread plate method - 35C/48hr TGEA FDA/BAM 9th ed, Oct 2020
 CFU = colony forming units

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 9th ed, Oct 2020
 Bergy's Manual of Systematic Bacteriology vol 1, ADAC 1984; J.Clin.Micro., J.Intern.Systn.Bact.

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 organisms present exceed recommended guidelines for drinking water; treatment is strongly recommended.

If Total Plate Count bacteria are -

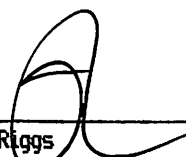
A) greater than 100 CFU/mL:

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 -


 W. Riggs
 Sr. Microbiologist



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No. W168774 pg2

TEL: (250) 743-3075
 admin@independentpump.ca

Comments Arrival temp.: 10.7C
 Sampler: Trisha Oud

Sample: Valley View #2 13088 21Jun22 10:45a

ELEMENTS		SAMPLE	UNITS	Maximum Limits Permissible In Drinking Water*
1) Aluminium	Al	0.032	mg/L	no limit listed
2) Antimony	Sb	<0.500	ug/L	6.00 ug/L
3) Arsenic	As	1.82	ug/L	10.0 ug/L
4) Barium	Ba	<0.009	mg/L	2.00 mg/L
5) Beryllium	Be	<0.003	mg/L	no limit listed
6) Boron	B	0.427	mg/L	5.00 mg/L
7) Cadmium	Cd	<0.010	ug/L	7.00 ug/L
8) Calcium	Ca	20.8	mg/L	200 mg/L
9) Chromium	Cr	0.003	mg/L	0.050 mg/L
10) Cobalt	Co	<0.005	mg/L	no limit listed
11) Copper	Cu	<0.008	mg/L	1.00 mg/L
12) Gold	Au	<0.040	mg/L	no limit listed
13) Iron	Fe	0.010	mg/L	0.300 mg/L
14) Lanthanum	La	<0.020	mg/L	no limit listed
15) Lead	Pb	<0.500	ug/L	5.00 ug/L
16) Magnesium	Mg	7.60	mg/L	50.0 mg/L
17) Manganese	Mn	0.004	mg/L	0.120 MAC 0.020 AD
18) Mercury	Hg	<0.010	ug/L	1.00 ug/L
19) Molybdenum	Mo	<0.005	mg/L	no limit listed
20) Nickel	Ni	<0.004	mg/L	no limit listed
21) Phosphorus	P	0.028	mg/L	no limit listed
22) Potassium	K	0.640	mg/L	no limit listed
23) Scandium	Sc	<0.050	mg/L	no limit listed
24) Selenium	Se	<0.500	ug/L	5.0 ug/L
25) Silicon	Si	5.89	mg/L	no limit listed
26) Silver	Ag	<0.010	mg/L	no limit listed
27) Sodium	Na	7.33	mg/L	200 mg/L
28) Strontium	Sr	0.060	mg/L	no limit listed
29) Tin	Sn	<0.020	mg/L	no limit listed
30) Titanium	Ti	<0.010	mg/L	no limit listed
31) Tungsten	W	<0.050	mg/L	no limit listed
32) Vanadium	V	<0.010	mg/L	no limit listed
33) Zinc	Zn	0.016	mg/L	5.00 mg/L
Hardness (mg/L CaCO ₃)		83.2	mg/L	75-150 mg/L = mod.hard
pH		7.86	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 the Canadian Council of Resource and Environment Ministers - Guidelines for Canadian Drinking Water Quality, 2020.

Comments:

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

 R. Bilodeau
 Analytical Chemist

 H. Hartmann
 Sr. Analytical Chemist



MB LABORATORIES LTD.

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 PO Box 390
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Date 21Jun22 2:13p No. W168774 pg3
 Source Well
 Type of Sample water
 No. of Samples 1

TEL: (250) 743-3075 Comments Arrival temp.: 10.7C
 admin@independentpump.ca Sampler: Trisha Oud

SAMPLE	DATE	TIME	Alkalinity (mg/L)	NH ₃ -N (ug/L)	Cl ⁻ (mg/L)	Colour (TCU)	E.C. (uS/cm)
Valley View #2 13088	21Jun22	10:45a	90.0	3.10	8.95	0.300	187
Lab Blank			ND	ND	ND	ND	ND
S _o			0.100	0.254	0.015	0.300	0.300
REF. VALUE			100	10.0	10.0	5.00	147
STD ± 2SD			110 ± 7.54	9.94 ± 0.799	10.8 ± 1.01	4.92 ± 0.411	142 ± 12.0

SAMPLE	DATE	TIME	CORROSIVITY (Is @20C)	F ⁻ (mg/L)	S ²⁻ (ug/L)	TKN (mg/L)	NO ₃ -N (ug/L)
Valley View #2 13088	21Jun22	10:45a	-0.255	0.071	ND	0.004	188
Lab Blank				ND	ND	ND	ND
S _o				0.007	0.007	0.012	0.160
REF. VALUE				1.00	50.0	1.00	10.0
STD ± 2SD				1.08 ± 0.089	48.2 ± 0.442	0.980 ± 0.091	9.88 ± 0.782

SAMPLE	DATE	TIME	NO ₂ -N (ug/L)	SO ₄ ²⁻ (mg/L)	T.O.C. (mg/L)	T&L (mg/L)	TDS (mg/L)
Valley View #2 13088	21Jun22	10:45a	ND	7.07	0.510	ND	108
Lab Blank			ND	ND	ND	ND	ND
S _o			0.300	0.075	0.300	0.070	0.010
REF. VALUE			10.0	10.0	5.00	1.00	200
STD ± 2SD			10.6 ± 0.812	10.9 ± 0.833	4.88 ± 0.492	0.929 ± 0.079	203 ± 17.4

SAMPLE	DATE	TIME	Turbidity (NTU)	UVI (%)
Valley View #2 13088	21Jun22	10:45a	0.320	99.4
Lab Blank			ND	ND
S _o			0.015	0.003
REF. VALUE			40.0	90.0
STD ± 2SD			39.0 ± 4.07	90.3 ± 0.020

SD = standard deviation; REF VALUE = primary or secondary reference material
 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
 H. Hartmann
 Sr. Analytical Chemist

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