



Your P.O. #: 7596
Your C.O.C. #: 771455-01-01

Attention: REPORT DISTRIBUTION

VILLAGE OF PORT ALICE
PO BOX 130
721 Marine Dr.
PORT ALICE, BC
CANADA V0N 2N0

Report Date: 2025/11/27
Report #: R3737518
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C594733

Received: 2025/11/18, 10:54

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity @25C (pp, total), CO3,HCO3,OH	1	N/A	2025/11/19	BBY6SOP-00026	SM 24 2320 B m
Non-coliform (Background) count in Water	1	N/A	2025/11/18	BBY4SOP-00001	SM 24 9222 m
Chloride/Sulphate by Auto Colourimetry	1	N/A	2025/11/18	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO4-E m
Color (True) by Automated Analyzer	1	N/A	2025/11/18	BBY6SOP-00057	SM 24 2120 C m
Conductivity @25C	1	N/A	2025/11/19	BBY6SOP-00026	SM 24 2510 B m
Fluoride	1	N/A	2025/11/20	BBY6SOP-00037	SM 24 4500-F C m
Sulphide (as H2S) (1)	1	N/A	2025/11/21		Auto Calc
Hardness Total (calculated as CaCO3) (3)	1	N/A	2025/11/20	BBY WI-00033	Auto Calc
Mercury (Total) by CV	1	2025/11/21	2025/11/21	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Heterotropic Plate Count (MF) in Water	1	N/A	2025/11/18	BBY4SOP-00003	SM 24 9215D
Iron Related Bacteria (4)	1	N/A	2025/11/18	BBY4SOP-00004	BI BART User Manual
Na, K, Ca, Mg, S by CRC ICPMS (total)	1	N/A	2025/11/20	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (total)	1	N/A	2025/11/19	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Nitrogen (Total)	1	N/A	2025/11/20	BBY6SOP-00016	SM 24 4500-N C m
Ammonia-N (Total)	1	N/A	2025/11/20	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate + Nitrite (N)	1	N/A	2025/11/18	BBY6SOP-00010	SM 24 4500-NO3- H m
Nitrite (N) Regular Level Water	1	N/A	2025/11/18	BBY6SOP-00010	SM 24 4500-NO2- m
Nitrogen - Nitrate (as N)	1	N/A	2025/11/19	BBY WI-00033	Auto Calc
Nitrogen (Tot. Organic) Calculation	1	N/A	2025/11/21	BBY WI-00033	Auto Calc
pH @25°C (5)	1	N/A	2025/11/19	BBY6SOP-00026	SM 24 4500-H+ B m
Sat. pH and Langelier Index (@ 4.4C)	1	N/A	2025/11/20	BBY WI-00033	Auto Calc
Sat. pH and Langelier Index (@ 60C)	1	N/A	2025/11/20	BBY WI-00033	Auto Calc
Total Sulphide (1)	1	2025/11/20	2025/11/21	AB SOP-00080	SM 24 4500 S2-A D Fm
Sulphate Reducing Bacteria (4)	1	N/A	2025/11/18	BBY4SOP-00004	BI BART User Manual
Total Dissolved Solids (Filt. Residue)	1	2025/11/18	2025/11/19	BBY6SOP-00033	SM 24 2540 C m
Total Coliform & E.Coli by MF-Chromocult	1	N/A	2025/11/18	BBY4SOP-00143	Merck KGaA Version 1
Carbon (Total Organic) (6)	1	N/A	2025/11/20	BBY6SOP-00053	SM 24 5310 B m
Turbidity	1	N/A	2025/11/18	BBY6SOP-00027	SM 24 2130 B m
UV Transmittance (2)	1	2025/11/20	2025/11/20	CAM SOP-00459	SM 24 5910 m



Your P.O. #: 7596
Your C.O.C. #: 771455-01-01

Attention: REPORT DISTRIBUTION

VILLAGE OF PORT ALICE
PO BOX 130
721 Marine Dr.
PORT ALICE, BC
CANADA V0N 2N0

Report Date: 2025/11/27
Report #: R3737518
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C594733

Received: 2025/11/18, 10:54

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested. This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

- (1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8
- (2) This test was performed by Bureau Veritas Campobello, 6740 Campobello Road , Mississauga, ON, L5N 2L8
- (3) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
- (4) Presence/Absence Method. Number is an estimate.
- (5) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.
- (6) TOC present in the sample should be considered as non-purgeable TOC.



Your P.O. #: 7596
Your C.O.C. #: 771455-01-01

Attention: REPORT DISTRIBUTION

VILLAGE OF PORT ALICE
PO BOX 130
721 Marine Dr.
PORT ALICE, BC
CANADA V0N 2N0

Report Date: 2025/11/27
Report #: R3737518
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C594733
Received: 2025/11/18, 10:54

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Aldean Alicando, Customer Solutions Representative

Email: Aldean.ALICANDO@bureauveritas.com

Phone# (604)734-7276 Ext:7062605

=====

This report has been generated and distributed using a secure automated process.

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rob Gilbert, BBY General Manager responsible for British Columbia Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C594733
Report Date: 2025/11/27

VILLAGE OF PORT ALICE
Your P.O. #: 7596
Sampler Initials: JY

MICROBIOLOGY (WATER)

Bureau Veritas ID		DXB361		
Sampling Date		2025/11/17 11:15		
COC Number		771455-01-01		
	UNITS	WELL #3	RDL	QC Batch
Microbiological Param.				
Non-Coliform (Background)	CFU/100mL	<1	1	C162470
RDL = Reportable Detection Limit				



VIHA PKG, WELLS/SPRINGS - BURNABY (WATER)

Bureau Veritas ID		DXB361		
Sampling Date		2025/11/17 11:15		
COC Number		771455-01-01		
	UNITS	WELL #3	RDL	QC Batch
ANIONS				
Nitrite (N)	mg/L	<0.0050	0.0050	C162653
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	135	0.50	C161801
Nitrate (N)	mg/L	0.955	0.020	C161743
Total Organic Nitrogen (N)	mg/L	<0.020	0.020	C162414
Sulphide (as H2S)	mg/L	<0.0020	0.0020	C161851
Misc. Inorganics				
Conductivity	uS/cm	310	2.0	C162620
pH	pH	7.97	N/A	C162623
Total Organic Carbon (C)	mg/L	<0.50	0.50	C164205
Total Dissolved Solids	mg/L	160	10	C162604
Anions				
Alkalinity (PP as CaCO3)	mg/L	<1.0	1.0	C162619
Alkalinity (Total as CaCO3)	mg/L	140	1.0	C162619
Bicarbonate (HCO3)	mg/L	170	1.0	C162619
Carbonate (CO3)	mg/L	<1.0	1.0	C162619
Fluoride (F)	mg/L	<0.050	0.050	C163614
Hydroxide (OH)	mg/L	<1.0	1.0	C162619
Total Sulphide	mg/L	<0.0018	0.0018	C164499
Chloride (Cl)	mg/L	7.9	1.0	C162642
Sulphate (SO4)	mg/L	7.2	1.0	C162642
MISCELLANEOUS				
True Colour	Col. Unit	<2.0	2.0	C162638
Transmittance at 254nm	%T/cm	99	N/A	C164370
Nutrients				
Total Ammonia (N)	mg/L	<0.015	0.015	C163449
Nitrate plus Nitrite (N)	mg/L	0.955	0.020	C162650
Total Nitrogen (N)	mg/L	0.871 (1)	0.020	C163283
Physical Properties				
Turbidity	NTU	<0.10	0.10	C162467
RDL = Reportable Detection Limit N/A = Not Applicable (1) Nitrogen < Nitrate: Both values fall within the method uncertainty for duplicates and are likely equivalent.				



VIHA PKG, WELLS/SPRINGS - BURNABY (WATER)

Bureau Veritas ID		DXB361		
Sampling Date		2025/11/17 11:15		
COC Number		771455-01-01		
	UNITS	WELL #3	RDL	QC Batch
Elements				
Total Mercury (Hg)	ug/L	<0.0019	0.0019	C171389
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	<3.0	3.0	C163162
Total Antimony (Sb)	ug/L	<0.50	0.50	C163162
Total Arsenic (As)	ug/L	0.40	0.10	C163162
Total Barium (Ba)	ug/L	2.5	1.0	C163162
Total Beryllium (Be)	ug/L	<0.10	0.10	C163162
Total Bismuth (Bi)	ug/L	<1.0	1.0	C163162
Total Boron (B)	ug/L	<50	50	C163162
Total Cadmium (Cd)	ug/L	<0.010	0.010	C163162
Total Chromium (Cr)	ug/L	<1.0	1.0	C163162
Total Cobalt (Co)	ug/L	<0.20	0.20	C163162
Total Copper (Cu)	ug/L	<0.20	0.20	C163162
Total Iron (Fe)	ug/L	<5.0	5.0	C163162
Total Lead (Pb)	ug/L	<0.20	0.20	C163162
Total Manganese (Mn)	ug/L	<1.0	1.0	C163162
Total Molybdenum (Mo)	ug/L	<1.0	1.0	C163162
Total Nickel (Ni)	ug/L	<1.0	1.0	C163162
Total Selenium (Se)	ug/L	0.14	0.10	C163162
Total Silicon (Si)	ug/L	5760	100	C163162
Total Silver (Ag)	ug/L	<0.020	0.020	C163162
Total Strontium (Sr)	ug/L	221	1.0	C163162
Total Thallium (Tl)	ug/L	<0.010	0.010	C163162
Total Tin (Sn)	ug/L	<5.0	5.0	C163162
Total Titanium (Ti)	ug/L	<5.0	5.0	C163162
Total Uranium (U)	ug/L	0.23	0.10	C163162
Total Vanadium (V)	ug/L	<5.0	5.0	C163162
Total Zinc (Zn)	ug/L	12.4	5.0	C163162
Total Zirconium (Zr)	ug/L	<0.10	0.10	C163162
Total Calcium (Ca)	mg/L	44.4	0.050	C161944
Total Magnesium (Mg)	mg/L	5.86	0.050	C161944
Total Potassium (K)	mg/L	0.716	0.050	C161944
RDL = Reportable Detection Limit				



BUREAU
VERITAS

Bureau Veritas Job #: C594733

Report Date: 2025/11/27

VILLAGE OF PORT ALICE

Your P.O. #: 7596

Sampler Initials: JY

VIHA PKG, WELLS/SPRINGS - BURNABY (WATER)

Bureau Veritas ID		DXB361		
Sampling Date		2025/11/17 11:15		
COC Number		771455-01-01		
	UNITS	WELL #3	RDL	QC Batch
Total Sodium (Na)	mg/L	5.51	0.050	C161944
Total Sulphur (S)	mg/L	<3.0	3.0	C161944
Microbiological Param.				
Heterotrophic Plate Count	CFU/mL	<1	1	C162477
Iron Bacteria	CFU/mL	<25	25	C162503
Sulphate reducing bacteria	CFU/mL	<75	75	C162506
Total Coliforms	CFU/100mL	0	N/A	C162487
E. coli	CFU/100mL	0	N/A	C162487
Calculated Parameters				
Langelier Index (@ 4.4C)	N/A	0.128	N/A	C162419
Langelier Index (@ 60C)	N/A	0.891	N/A	C162421
Saturation pH (@ 4.4C)	N/A	7.84	N/A	C162419
Saturation pH (@ 60C)	N/A	7.08	N/A	C162421
RDL = Reportable Detection Limit				
N/A = Not Applicable				



**BUREAU
VERITAS**

Bureau Veritas Job #: C594733
Report Date: 2025/11/27

VILLAGE OF PORT ALICE
Your P.O. #: 7596
Sampler Initials: JY

GENERAL COMMENTS

Sample DXB361 [WELL #3] : Sample was analyzed past recommended hold time for Heterotropic Plate Count (MF) in Water. Sample was analyzed past recommended hold time for Iron Related Bacteria. Sample was analyzed past recommended hold time for Sulphate Reducing Bacteria.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C594733
Report Date: 2025/11/27

VILLAGE OF PORT ALICE
Your P.O. #: 7596
Sampler Initials: JY

QUALITY ASSURANCE REPORT

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C162467	VMP		Spiked Blank	Turbidity	2025/11/18		103	%	80 - 120
C162467	VMP		Method Blank	Turbidity	2025/11/18	<0.10		NTU	
C162467	VMP		RPD	Turbidity	2025/11/18	0		%	20
C162604	VMP		Matrix Spike	Total Dissolved Solids	2025/11/19		99	%	80 - 120
C162604	VMP		Spiked Blank	Total Dissolved Solids	2025/11/19		98	%	80 - 120
C162604	VMP		Method Blank	Total Dissolved Solids	2025/11/19	<10		mg/L	
C162604	VMP		RPD	Total Dissolved Solids	2025/11/19	0		%	20
C162619	JLP		Spiked Blank	Alkalinity (Total as CaCO3)	2025/11/19		96	%	80 - 120
C162619	JLP		Method Blank	Alkalinity (PP as CaCO3)	2025/11/19	<1.0		mg/L	
				Alkalinity (Total as CaCO3)	2025/11/19	<1.0		mg/L	
				Bicarbonate (HCO3)	2025/11/19	<1.0		mg/L	
				Carbonate (CO3)	2025/11/19	<1.0		mg/L	
				Hydroxide (OH)	2025/11/19	<1.0		mg/L	
C162619	JLP		RPD	Alkalinity (PP as CaCO3)	2025/11/19	NC		%	20
				Alkalinity (Total as CaCO3)	2025/11/19	0.49		%	20
				Bicarbonate (HCO3)	2025/11/19	0.49		%	20
				Carbonate (CO3)	2025/11/19	NC		%	20
				Hydroxide (OH)	2025/11/19	NC		%	20
C162620	JLP		Spiked Blank	Conductivity	2025/11/19		100	%	90 - 110
C162620	JLP		Method Blank	Conductivity	2025/11/19	<2.0		uS/cm	
C162620	JLP		RPD	Conductivity	2025/11/19	0		%	10
C162623	JLP		Spiked Blank	pH	2025/11/19		100	%	97 - 103
C162623	JLP		RPD	pH	2025/11/19	0.13		%	N/A
C162638	NKT		Spiked Blank	True Colour	2025/11/18		106	%	80 - 120
C162638	NKT		Method Blank	True Colour	2025/11/18	<2.0		Col. Unit	
C162638	NKT		RPD	True Colour	2025/11/18	17		%	20
C162642	CBK		Matrix Spike	Chloride (Cl)	2025/11/18		106	%	80 - 120
				Sulphate (SO4)	2025/11/18		114	%	80 - 120
C162642	CBK		Spiked Blank	Chloride (Cl)	2025/11/18		99	%	80 - 120
				Sulphate (SO4)	2025/11/18		95	%	80 - 120
C162642	CBK		Method Blank	Chloride (Cl)	2025/11/18	<1.0		mg/L	
				Sulphate (SO4)	2025/11/18	<1.0		mg/L	
C162642	CBK		RPD	Chloride (Cl)	2025/11/18	1.0		%	20
				Sulphate (SO4)	2025/11/18	0.33		%	20
C162650	JGL		Matrix Spike	Nitrate plus Nitrite (N)	2025/11/18		105	%	80 - 120
C162650	JGL		Spiked Blank	Nitrate plus Nitrite (N)	2025/11/18		107	%	80 - 120
C162650	JGL		Method Blank	Nitrate plus Nitrite (N)	2025/11/18	<0.020		mg/L	
C162650	JGL		RPD	Nitrate plus Nitrite (N)	2025/11/18	2.9		%	25
C162653	JGL		Matrix Spike	Nitrite (N)	2025/11/18		112	%	80 - 120
C162653	JGL		Spiked Blank	Nitrite (N)	2025/11/18		104	%	80 - 120
C162653	JGL		Method Blank	Nitrite (N)	2025/11/18	<0.0050		mg/L	
C162653	JGL		RPD	Nitrite (N)	2025/11/18	NC		%	20
C163162	AA1		Matrix Spike	Total Aluminum (Al)	2025/11/19		95	%	80 - 120
				Total Antimony (Sb)	2025/11/19		96	%	80 - 120
				Total Arsenic (As)	2025/11/19		99	%	80 - 120
				Total Barium (Ba)	2025/11/19		98	%	80 - 120
				Total Beryllium (Be)	2025/11/19		106	%	80 - 120
				Total Bismuth (Bi)	2025/11/19		96	%	80 - 120
				Total Boron (B)	2025/11/19		104	%	80 - 120
				Total Cadmium (Cd)	2025/11/19		99	%	80 - 120
				Total Chromium (Cr)	2025/11/19		97	%	80 - 120
				Total Cobalt (Co)	2025/11/19		98	%	80 - 120
				Total Copper (Cu)	2025/11/19		NC	%	80 - 120
				Total Iron (Fe)	2025/11/19		100	%	80 - 120



BUREAU
VERITAS

Bureau Veritas Job #: C594733
Report Date: 2025/11/27

VILLAGE OF PORT ALICE
Your P.O. #: 7596
Sampler Initials: JY

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Lead (Pb)	2025/11/19		96	%	80 - 120
			Total Manganese (Mn)	2025/11/19		92	%	80 - 120
			Total Molybdenum (Mo)	2025/11/19		95	%	80 - 120
			Total Nickel (Ni)	2025/11/19		96	%	80 - 120
			Total Selenium (Se)	2025/11/19		91	%	80 - 120
			Total Silicon (Si)	2025/11/19		98	%	80 - 120
			Total Silver (Ag)	2025/11/19		96	%	80 - 120
			Total Strontium (Sr)	2025/11/19		104	%	80 - 120
			Total Thallium (Tl)	2025/11/19		97	%	80 - 120
			Total Tin (Sn)	2025/11/19		96	%	80 - 120
			Total Titanium (Ti)	2025/11/19		100	%	80 - 120
			Total Uranium (U)	2025/11/19		100	%	80 - 120
			Total Vanadium (V)	2025/11/19		98	%	80 - 120
			Total Zinc (Zn)	2025/11/19		100	%	80 - 120
			Total Zirconium (Zr)	2025/11/19		99	%	80 - 120
C163162	AA1	Spiked Blank	Total Aluminum (Al)	2025/11/19		98	%	80 - 120
			Total Antimony (Sb)	2025/11/19		100	%	80 - 120
			Total Arsenic (As)	2025/11/19		100	%	80 - 120
			Total Barium (Ba)	2025/11/19		100	%	80 - 120
			Total Beryllium (Be)	2025/11/19		103	%	80 - 120
			Total Bismuth (Bi)	2025/11/19		101	%	80 - 120
			Total Boron (B)	2025/11/19		101	%	80 - 120
			Total Cadmium (Cd)	2025/11/19		98	%	80 - 120
			Total Chromium (Cr)	2025/11/19		101	%	80 - 120
			Total Cobalt (Co)	2025/11/19		101	%	80 - 120
			Total Copper (Cu)	2025/11/19		99	%	80 - 120
			Total Iron (Fe)	2025/11/19		100	%	80 - 120
			Total Lead (Pb)	2025/11/19		102	%	80 - 120
			Total Manganese (Mn)	2025/11/19		95	%	80 - 120
			Total Molybdenum (Mo)	2025/11/19		100	%	80 - 120
			Total Nickel (Ni)	2025/11/19		98	%	80 - 120
			Total Selenium (Se)	2025/11/19		97	%	80 - 120
			Total Silicon (Si)	2025/11/19		101	%	80 - 120
			Total Silver (Ag)	2025/11/19		96	%	80 - 120
			Total Strontium (Sr)	2025/11/19		92	%	80 - 120
			Total Thallium (Tl)	2025/11/19		101	%	80 - 120
			Total Tin (Sn)	2025/11/19		101	%	80 - 120
			Total Titanium (Ti)	2025/11/19		102	%	80 - 120
			Total Uranium (U)	2025/11/19		104	%	80 - 120
			Total Vanadium (V)	2025/11/19		101	%	80 - 120
			Total Zinc (Zn)	2025/11/19		103	%	80 - 120
			Total Zirconium (Zr)	2025/11/19		99	%	80 - 120
C163162	AA1	Method Blank	Total Aluminum (Al)	2025/11/19	<3.0		ug/L	
			Total Antimony (Sb)	2025/11/19	<0.50		ug/L	
			Total Arsenic (As)	2025/11/19	<0.10		ug/L	
			Total Barium (Ba)	2025/11/19	<1.0		ug/L	
			Total Beryllium (Be)	2025/11/19	<0.10		ug/L	
			Total Bismuth (Bi)	2025/11/19	<1.0		ug/L	
			Total Boron (B)	2025/11/19	<50		ug/L	
			Total Cadmium (Cd)	2025/11/19	<0.010		ug/L	
			Total Chromium (Cr)	2025/11/19	<1.0		ug/L	
			Total Cobalt (Co)	2025/11/19	<0.20		ug/L	
			Total Copper (Cu)	2025/11/19	<0.20		ug/L	
			Total Iron (Fe)	2025/11/19	<5.0		ug/L	



BUREAU
VERITAS

Bureau Veritas Job #: C594733
Report Date: 2025/11/27

VILLAGE OF PORT ALICE
Your P.O. #: 7596
Sampler Initials: JY

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Lead (Pb)	2025/11/19	<0.20		ug/L	
			Total Manganese (Mn)	2025/11/19	<1.0		ug/L	
			Total Molybdenum (Mo)	2025/11/19	<1.0		ug/L	
			Total Nickel (Ni)	2025/11/19	<1.0		ug/L	
			Total Selenium (Se)	2025/11/19	<0.10		ug/L	
			Total Silicon (Si)	2025/11/19	<100		ug/L	
			Total Silver (Ag)	2025/11/19	<0.020		ug/L	
			Total Strontium (Sr)	2025/11/19	<1.0		ug/L	
			Total Thallium (Tl)	2025/11/19	<0.010		ug/L	
			Total Tin (Sn)	2025/11/19	<5.0		ug/L	
			Total Titanium (Ti)	2025/11/19	<5.0		ug/L	
			Total Uranium (U)	2025/11/19	<0.10		ug/L	
			Total Vanadium (V)	2025/11/19	<5.0		ug/L	
			Total Zinc (Zn)	2025/11/19	<5.0		ug/L	
			Total Zirconium (Zr)	2025/11/19	<0.10		ug/L	
C163162	AA1	RPD	Total Aluminum (Al)	2025/11/19	1.5		%	20
			Total Antimony (Sb)	2025/11/19	NC		%	20
			Total Arsenic (As)	2025/11/19	NC		%	20
			Total Barium (Ba)	2025/11/19	0.74		%	20
			Total Boron (B)	2025/11/19	NC		%	20
			Total Cadmium (Cd)	2025/11/19	NC		%	20
			Total Chromium (Cr)	2025/11/19	NC		%	20
			Total Cobalt (Co)	2025/11/19	NC		%	20
			Total Copper (Cu)	2025/11/19	1.4		%	20
			Total Iron (Fe)	2025/11/19	16		%	20
			Total Lead (Pb)	2025/11/19	2.4		%	20
			Total Manganese (Mn)	2025/11/19	NC		%	20
			Total Molybdenum (Mo)	2025/11/19	NC		%	20
			Total Nickel (Ni)	2025/11/19	NC		%	20
			Total Selenium (Se)	2025/11/19	NC		%	20
			Total Silicon (Si)	2025/11/19	0.30		%	20
			Total Silver (Ag)	2025/11/19	NC		%	20
			Total Strontium (Sr)	2025/11/19	1.0		%	20
			Total Uranium (U)	2025/11/19	NC		%	20
			Total Vanadium (V)	2025/11/19	NC		%	20
			Total Zinc (Zn)	2025/11/19	1.5		%	20
C163283	BB3	Matrix Spike	Total Nitrogen (N)	2025/11/20		NC	%	80 - 120
C163283	BB3	Spiked Blank	Total Nitrogen (N)	2025/11/20		104	%	80 - 120
C163283	BB3	Method Blank	Total Nitrogen (N)	2025/11/20	<0.020		mg/L	
C163283	BB3	RPD	Total Nitrogen (N)	2025/11/20	11		%	20
C163449	BB3	Matrix Spike	Total Ammonia (N)	2025/11/20		96	%	80 - 120
C163449	BB3	Spiked Blank	Total Ammonia (N)	2025/11/20		100	%	80 - 120
C163449	BB3	Method Blank	Total Ammonia (N)	2025/11/20	<0.015		mg/L	
C163449	BB3	RPD	Total Ammonia (N)	2025/11/20	NC		%	20
C163614	CJY	Matrix Spike	Dissolved Fluoride (F)	2025/11/20		104	%	80 - 120
C163614	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/11/19		103	%	80 - 120
C163614	CJY	Method Blank	Dissolved Fluoride (F)	2025/11/19	<0.050		mg/L	
C163614	CJY	RPD	Fluoride (F)	2025/11/20	NC		%	20
C164205	BTM	Matrix Spike	Total Organic Carbon (C)	2025/11/20		122 (1)	%	80 - 120
C164205	BTM	Spiked Blank	Total Organic Carbon (C)	2025/11/20		110	%	80 - 120
C164205	BTM	Method Blank	Total Organic Carbon (C)	2025/11/20	<0.50		mg/L	
C164205	BTM	RPD	Total Organic Carbon (C)	2025/11/20	NC		%	20
C164370	éEY	Spiked Blank	Transmittance at 254nm	2025/11/20		100	%	97 - 103
C164370	éEY	RPD	Transmittance at 254nm	2025/11/20	0.18		%	25



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
C164499	DSX	Matrix Spike	Total Sulphide	2025/11/21		81	%	80 - 120
C164499	DSX	Spiked Blank	Total Sulphide	2025/11/21		93	%	80 - 120
C164499	DSX	Method Blank	Total Sulphide	2025/11/21	<0.0018		mg/L	
C171389	RLC	Matrix Spike	Total Mercury (Hg)	2025/11/21		117	%	80 - 120
C171389	RLC	Spiked Blank	Total Mercury (Hg)	2025/11/21		113	%	80 - 120
C171389	RLC	Method Blank	Total Mercury (Hg)	2025/11/21	<0.0019		ug/L	
C171389	RLC	RPD	Total Mercury (Hg)	2025/11/21	NC		%	20

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU
VERITAS

Bureau Veritas Job #: C594733
Report Date: 2025/11/27

VILLAGE OF PORT ALICE
Your P.O. #: 7596
Sampler Initials: JY

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

David Huang, M.Sc., P.Chem., QP, Scientific Services Manager

Louise Harding, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas Certified by David Huang, M.Sc., P.Chem., QP, Scientific Services Manager

Bureau Veritas Certified by Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rob Gilbert, BBY General Manager responsible for British Columbia Environmental laboratory operations.

C594733
2025/11/18 10:54

Bureau Veritas
Unit 1-851 Viewfield Rd, Victoria, British Columbia Canada V9A 4V2 Tel:(250) 386 6112 Toll-free:800-583-6266 Fax:(250) 382 6364 www.bvna.com

Chain Of Custody Record

Page of

Invoice To:		Report Information		Project Information		Laboratory Use Only	
Company Name	#11788 VILLAGE OF PORT ALICE	Company Name	REPORT DISTRIBUTION	Quotation #	C41722	Bureau Veritas Job #	Bottle Order #:
Contact Name	ACCTS PAYABLE - Tanya Sparford	Contact Name	REPORT DISTRIBUTION	P.O. #	1688 7546		771455
Address	PO BOX 130 721 Marine Dr. PORT ALICE BC V0N 2N0	Address		Project #		Chain Of Custody Record	Project Manager
Phone	(250) 284-6612	Phone		Project Name			
Email	info@portalice.ca	Email	info@portalice.ca; papublicworks@hotmail.com	Site #			Aldan Alicando
Regulatory Criteria:		Special Instructions		ANALYSIS REQUESTED (PLEASE BE SPECIFIC)		Turnaround Time (TAT) Required:	
<input type="checkbox"/> CSR <input type="checkbox"/> CCME <input type="checkbox"/> BC Water Quality <input type="checkbox"/> Other _____				Metals Field Filtered? (Y/N) VHA Pkg. Wells/Springs - Burnaby Non-coliform (Background) count in Water		Please provide advance notice for rush projects Regular (Standard) TAT: (will be applied if Rush TAT is not specified) Standard TAT = 6-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS						Job Specific Rush TAT (if applies to entire submission) 1 DAY <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Date Required: _____ Rush Confirmation Number: _____ (call lab for #)	
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix			
1	Well #3	25/11/17	11:15 am		XX		
2							
3							
4							
5							
6							
7							
8							
9							
10							
* RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
Tanya Sparford		25/11/17	11:50 am	Emmanuel Salido		2025/11/18	10:54
						# Jars used and not submitted	
						Time Sensitive	Temperature (°C) on Receipt
						<input type="checkbox"/>	7.718
						Custody Seal Intact on Cooler?	
						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
						White: Bureau Veritas Yellow: Client	
						ice: yes	



MVAN-2025-11-1178



Invoice To:		Report Information		Project Information		Laboratory Use Only	
Company Name	#11788 VILLAGE OF PORT ALICE	Company Name	REPORT DISTRIBUTION	Quotation #	C41722	Bureau Veritas Job #	Bottle Order #:
Contact Name	ACCTS PAYABLE - Tanya Sparford	Contact Name	REPORT DISTRIBUTION	P.O. #	7600 7596		
Address	PO BOX 130 721 Marine Dr. PORT ALICE BC V0N 2N0	Address		Project #			771455
Phone	(250) 284-6612	Phone		Project Name		Chain Of Custody Record	Project Manager
Email	info@portalice.ca	Email	info@portalice.ca; papublicworks@hotmail.com	Site #			Aldan Alicando
				Sampled By	<i>Susan Hunter</i>	C#771455-02-01	

Regulatory Criteria:	Special Instructions	ANALYSIS REQUESTED (PLEASE BE SPECIFIC)				Turnaround Time (TAT) Required:
<input type="checkbox"/> CSR <input type="checkbox"/> CCME <input type="checkbox"/> BC Water Quality <input type="checkbox"/> Other _____		Metals Field Filtered? (Y/N)	V/HA Pkg, Wells/Springs - Burnaby	Non-coliform (Background) count in Water		Please provide advance notice for rush projects Regular (Standard) TAT: (will be applied if Rush TAT is not specified): Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS						Job Specific Rush TAT (if applies to entire submission) 1 DAY <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Date Required: _____ Rush Confirmation Number: _____ (call lab for #)

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Field Filtered? (Y/N)	V/HA Pkg, Wells/Springs - Burnaby	Non-coliform (Background) count in Water	ANALYSIS REQUESTED (PLEASE BE SPECIFIC)	Turnaround Time (TAT) Required	Comments
1	Well #3	25/11/17	11:15 am			XX				
2										
3										
4										
5										
6										
7										
8										
9										
10										



RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# Jars used and not submitted	Lab Use Only
<i>Susan Hunter</i>	25/11/17	11:50 am	<i>Emmanuel Salido</i>	2025/11/18	10:54		Time Sensitive <input type="checkbox"/> Temperature (°C) on Receipt: 7.718 Custody Seal Intact on Cooler? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No White: Bureau Veritas Yellow: Client <i>ice: yes</i>

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.
 * IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.