



Your Project #: 70058-FC-DW
 Site Location: Furry Creek Booster Station
 Your C.O.C. #: C#750187-01-01

Attention: Report Distribution

Keats Environmental
 PO Box 1342
 Gibsons, BC
 CANADA V0N 1V0

Report Date: 2025/04/30
 Report #: R3654491
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534723

Received: 2025/04/25, 10:27

Sample Matrix: Water
 # Samples Received: 1

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
Alkalinity @25C (pp, total), CO3,HCO3,OH Chloride/Sulphate by Auto Colourimetry	1	N/A	2025/04/26	BBY6SOP-00026	SM 24 2320 B m
	1	N/A	2025/04/28	BBY6SOP-00011 / BBY6SOP-00017	SM24-4500-Cl/SO4-E m
Color (Apparent) by Automated Analyzer	1	N/A	2025/04/30	BBY6SOP-00057	SM 24 2120-C m
Color (True) by Automated Analyzer	1	N/A	2025/04/26	BBY6SOP-00057	SM 24 2120 C m
Carbon (DOC) -Lab Filtered (2)	1	N/A	2025/04/30	BBY6SOP-00053	SM 24 5310 B m
Oxygen (Dissolved) (3)	1	N/A	2025/04/25	BBY6SOP-00045	SM 24 4500-O G m
Conductivity @25C	1	N/A	2025/04/26	BBY6SOP-00026	SM 24 2510 B m
Fluoride	1	N/A	2025/04/29	BBY6SOP-00037	SM 24 4500-F C m
Hardness Total (calculated as CaCO3) (4)	1	N/A	2025/04/29	BBY WI-00033	Auto Calc
Mercury (Total) by CV	1	2025/04/25	2025/04/28	BBY7SOP-00032	BCMOE LM 2023 C1.1.3
Na, K, Ca, Mg, S by CRC ICPMS (total)	1	N/A	2025/04/29	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (total)	1	N/A	2025/04/29	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Nitrate + Nitrite (N)	1	N/A	2025/04/25	BBY6SOP-00010	SM 24 4500-NO3- H m
Nitrite (N) Regular Level Water	1	N/A	2025/04/25	BBY6SOP-00010	SM 24 4500-NO2- m
Nitrogen - Nitrate (as N)	1	N/A	2025/04/26	BBY WI-00033	Auto Calc
ORP Analysis on Water by ARD LAB	1	N/A	2025/04/28	BBY0SOP-00004	SM 24 2580B m
pH @25°C (5)	1	N/A	2025/04/26	BBY6SOP-00026	SM 24 4500-H+ B m
Sat. pH and Langelier Index (@ 4C)	1	N/A	2025/04/29	BBY WI-00033	Auto Calc
Sat. pH and Langelier Index (@ 60C)	1	N/A	2025/04/29	BBY WI-00033	Auto Calc
Total Dissolved Solids (Filt. Residue)	1	2025/04/28	2025/04/29	BBY6SOP-00033	SM 24 2540 C m
Total Trihalomethanes Calculation	1	N/A	2025/04/30	BBY WI-00033	Auto Calc
Carbon (Total Organic) (6)	1	N/A	2025/04/30	BBY6SOP-00053	SM 24 5310 B m
Total Phosphorus	1	2025/04/30	2025/04/30	BBY6SOP-00013	SM 24 4500-P E m
Total Suspended Solids (NFR)	1	2025/04/28	2025/04/29	BBY6SOP-00034	SM 24 2540 D m
Turbidity	1	N/A	2025/04/25	BBY6SOP-00027	SM 24 2130 B m
VOCs, VH, F1, LH in Water by HS GC/MS	1	N/A	2025/04/29	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCMOE BCLM Jul2017 m
Haloacetic Acids in Water (1)	1	2025/04/29	2025/04/30	CAM SOP-00954	EPA 552.2 m
UV Transmittance (1)	1	2025/04/28	2025/04/28	CAM SOP-00459	SM 24 5910 m



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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.

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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 Campobello, 6740 Campobello Road, Mississauga, ON, L5N 2L8
- (2) DOC present in the sample should be considered as non-purgeable DOC. Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
- (3) The APHA Standard Method requires dissolved oxygen to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory dissolved oxygen analyses in this report are reported past the APHA Standard Method holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt.
- (4) "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).
- (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.



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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

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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 Raphael Kwan, General Manager, BC and Yukon Regions responsible for British Columbia Environmental laboratory operations.



RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		DIN562		
Sampling Date		2025/04/23 18:30		
COC Number		C#750187-01-01		
	UNITS	FC BOOSTER - 475FB	RDL	QC Batch
Parameter				
ORP	mV	389		B766923
Misc. Inorganics				
Dissolved Oxygen (O2)	mg/L	9.2	0.10	B765671
Total Organic Carbon (C)	mg/L	ND	0.50	B769646
Total Suspended Solids	mg/L	ND	1.0	B766499
Lab Filtered Inorganics				
Dissolved Organic Carbon (C)	mg/L	ND	0.50	B769752
MISCELLANEOUS				
Dalapon	ug/L	ND	5.0	B769790
Transmittance at 254nm	%T/cm	99	N/A	B769789
Monochloroacetic Acid	ug/L	ND	5.0	B769790
Monobromoacetic Acid	ug/L	ND	5.0	B769790
Dichloroacetic Acid	ug/L	ND	5.0	B769790
Trichloroacetic Acid	ug/L	ND	5.0	B769790
Bromochloroacetic Acid	ug/L	ND	5.0	B769790
Dibromoacetic Acid	ug/L	ND	5.0	B769790
Total Haloacetic Acids	ug/L	ND	5.0	B769790
Nutrients				
Total Phosphorus (P)	mg/L	ND	0.0030	B769521
Physical Properties				
Apparent Colour	PtCo units	2.8	2.0	B769781
Surrogate Recovery (%)				
2,3-Dibromopropionic Acid	%	112		B769790
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



CALCULATED PARAMETERS (WATER)

Bureau Veritas ID		DIN562	
Sampling Date		2025/04/23 18:30	
COC Number		C#750187-01-01	
	UNITS	FC BOOSTER - 475FB	QC Batch
Calculated Parameters			
Langelier Index (@ 4C)	N/A	-2.67	B765347
Langelier Index (@ 60C)	N/A	-1.89	B765525
Saturation pH (@ 4C)	N/A	9.60	B765347
Saturation pH (@ 60C)	N/A	8.82	B765525



DRINKING WATER PACKAGE (NON-REGULATED)

Bureau Veritas ID		DIN562		
Sampling Date		2025/04/23 18:30		
COC Number		C#750187-01-01		
	UNITS	FC BOOSTER - 475FB	RDL	QC Batch
ANIONS				
Nitrite (N)	mg/L	ND	0.0050	B765686
Calculated Parameters				
Total Hardness (CaCO3)	mg/L	16.5	0.50	B765329
Nitrate (N)	mg/L	0.594	0.020	B765344
Misc. Inorganics				
Conductivity	uS/cm	62	2.0	B765733
pH	pH	6.94	N/A	B765726
Total Dissolved Solids	mg/L	50	10	B767324
Anions				
Alkalinity (PP as CaCO3)	mg/L	ND	1.0	B765732
Alkalinity (Total as CaCO3)	mg/L	17	1.0	B765732
Bicarbonate (HCO3)	mg/L	21	1.0	B765732
Carbonate (CO3)	mg/L	ND	1.0	B765732
Dissolved Fluoride (F)	mg/L	ND	0.050	B768487
Hydroxide (OH)	mg/L	ND	1.0	B765732
Chloride (Cl)	mg/L	1.9	1.0	B766950
Sulphate (SO4)	mg/L	3.4	1.0	B766950
MISCELLANEOUS				
True Colour	Col. Unit	ND	2.0	B766169
Nutrients				
Nitrate plus Nitrite (N)	mg/L	0.594	0.020	B765685
Physical Properties				
Turbidity	NTU	0.14	0.10	B765690
Elements				
Total Mercury (Hg)	ug/L	ND	0.0019	B765758
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	7.6	3.0	B767042
Total Antimony (Sb)	ug/L	ND	0.50	B767042
Total Arsenic (As)	ug/L	ND	0.10	B767042
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit. N/A = Not Applicable				



DRINKING WATER PACKAGE (NON-REGULATED)

Bureau Veritas ID		DIN562		
Sampling Date		2025/04/23 18:30		
COC Number		C#750187-01-01		
	UNITS	FC BOOSTER - 475FB	RDL	QC Batch
Total Barium (Ba)	ug/L	4.9	1.0	B767042
Total Boron (B)	ug/L	ND	50	B767042
Total Cadmium (Cd)	ug/L	0.017	0.010	B767042
Total Chromium (Cr)	ug/L	ND	1.0	B767042
Total Cobalt (Co)	ug/L	ND	0.20	B767042
Total Copper (Cu)	ug/L	3.33	0.20	B767042
Total Iron (Fe)	ug/L	212	5.0	B767042
Total Lead (Pb)	ug/L	0.71	0.20	B767042
Total Manganese (Mn)	ug/L	1.2	1.0	B767042
Total Molybdenum (Mo)	ug/L	ND	1.0	B767042
Total Nickel (Ni)	ug/L	ND	1.0	B767042
Total Selenium (Se)	ug/L	ND	0.10	B767042
Total Silicon (Si)	ug/L	6330	100	B767042
Total Silver (Ag)	ug/L	ND	0.020	B767042
Total Strontium (Sr)	ug/L	40.4	1.0	B767042
Total Uranium (U)	ug/L	ND	0.10	B767042
Total Vanadium (V)	ug/L	ND	5.0	B767042
Total Zinc (Zn)	ug/L	ND	5.0	B767042
Total Calcium (Ca)	mg/L	5.29	0.050	B765342
Total Magnesium (Mg)	mg/L	0.790	0.050	B765342
Total Potassium (K)	mg/L	0.614	0.050	B765342
Total Sodium (Na)	mg/L	4.24	0.050	B765342
Total Sulphur (S)	mg/L	ND	3.0	B765342
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



TRIHALOMETHANES (THM) IN WATER

Bureau Veritas ID		DIN562		
Sampling Date		2025/04/23 18:30		
COC Number		C#750187-01-01		
	UNITS	FC BOOSTER - 475FB	RDL	QC Batch
Volatiles				
Total Trihalomethanes	ug/L	ND	1.0	B765348
Bromodichloromethane	ug/L	ND	1.0	B767327
Bromoform	ug/L	ND	1.0	B767327
Dibromochloromethane	ug/L	ND	1.0	B767327
Chloroform	ug/L	ND	1.0	B767327
Surrogate Recovery (%)				
1,4-Difluorobenzene (sur.)	%	106		B767327
4-Bromofluorobenzene (sur.)	%	80		B767327
D4-1,2-Dichloroethane (sur.)	%	107		B767327
RDL = Reportable Detection Limit ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.				



**BUREAU
VERITAS**

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GENERAL COMMENTS

Results relate only to the items tested.



BUREAU
VERITAS

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B765671	SYC	RPD [DIN562-05]	Dissolved Oxygen (O2)	2025/04/25	0		%	20
B765685	C2L	Matrix Spike	Nitrate plus Nitrite (N)	2025/04/25		99	%	80 - 120
B765685	C2L	Spiked Blank	Nitrate plus Nitrite (N)	2025/04/25		106	%	80 - 120
B765685	C2L	Method Blank	Nitrate plus Nitrite (N)	2025/04/25	ND, RDL=0.020		mg/L	
B765685	C2L	RPD	Nitrate plus Nitrite (N)	2025/04/25	5.9		%	25
B765686	C2L	Matrix Spike	Nitrite (N)	2025/04/25		98	%	80 - 120
B765686	C2L	Spiked Blank	Nitrite (N)	2025/04/25		100	%	80 - 120
B765686	C2L	Method Blank	Nitrite (N)	2025/04/25	ND, RDL=0.0050		mg/L	
B765686	C2L	RPD	Nitrite (N)	2025/04/25	NC		%	20
B765690	LSO	Spiked Blank	Turbidity	2025/04/25		104	%	80 - 120
B765690	LSO	Method Blank	Turbidity	2025/04/25	ND, RDL=0.10		NTU	
B765690	LSO	RPD	Turbidity	2025/04/25	4.8		%	20
B765726	BB3	Spiked Blank	pH	2025/04/26		100	%	97 - 103
B765726	BB3	RPD	pH	2025/04/26	0.19		%	N/A
B765732	BB3	Spiked Blank	Alkalinity (Total as CaCO3)	2025/04/26		97	%	80 - 120
B765732	BB3	Method Blank	Alkalinity (PP as CaCO3)	2025/04/26	ND, RDL=1.0		mg/L	
			Alkalinity (Total as CaCO3)	2025/04/26	ND, RDL=1.0		mg/L	
			Bicarbonate (HCO3)	2025/04/26	ND, RDL=1.0		mg/L	
			Carbonate (CO3)	2025/04/26	ND, RDL=1.0		mg/L	
			Hydroxide (OH)	2025/04/26	ND, RDL=1.0		mg/L	
B765732	BB3	RPD	Alkalinity (PP as CaCO3)	2025/04/26	NC		%	20
			Alkalinity (Total as CaCO3)	2025/04/26	1.5		%	20
			Bicarbonate (HCO3)	2025/04/26	1.5		%	20
			Carbonate (CO3)	2025/04/26	NC		%	20
			Hydroxide (OH)	2025/04/26	NC		%	20
B765733	BB3	Spiked Blank	Conductivity	2025/04/26		101	%	90 - 110
B765733	BB3	Method Blank	Conductivity	2025/04/26	ND, RDL=2.0		uS/cm	
B765758	IC4	Matrix Spike	Total Mercury (Hg)	2025/04/28		105	%	80 - 120
B765758	IC4	Spiked Blank	Total Mercury (Hg)	2025/04/28		99	%	80 - 120
B765758	IC4	Method Blank	Total Mercury (Hg)	2025/04/28	ND, RDL=0.0019		ug/L	
B765758	IC4	RPD	Total Mercury (Hg)	2025/04/28	0.57		%	20
B766169	NKT	Spiked Blank	True Colour	2025/04/26		102	%	80 - 120
B766169	NKT	Method Blank	True Colour	2025/04/26	ND, RDL=2.0		Col. Unit	
B766169	NKT	RPD	True Colour	2025/04/26	5.4		%	20
B766499	BTM	Matrix Spike	Total Suspended Solids	2025/04/29		99	%	80 - 120
B766499	BTM	Spiked Blank	Total Suspended Solids	2025/04/29		98	%	80 - 120
B766499	BTM	Method Blank	Total Suspended Solids	2025/04/29	ND, RDL=1.0		mg/L	
B766499	BTM	RPD [DIN562-01]	Total Suspended Solids	2025/04/29	NC		%	20
B766923	KOL	Spiked Blank	ORP	2025/04/28		100	%	96 - 104
B766923	KOL	RPD [DIN562-03]	ORP	2025/04/28	0.26		%	20
B766950	JLP	Matrix Spike	Chloride (Cl)	2025/04/28		100	%	80 - 120
			Sulphate (SO4)	2025/04/28		105	%	80 - 120



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B766950	JLP	Spiked Blank	Chloride (Cl)	2025/04/28		96	%	80 - 120
			Sulphate (SO4)	2025/04/28		96	%	80 - 120
B766950	JLP	Method Blank	Chloride (Cl)	2025/04/28	ND, RDL=1.0		mg/L	
			Sulphate (SO4)	2025/04/28	ND, RDL=1.0		mg/L	
B766950	JLP	RPD	Chloride (Cl)	2025/04/28	0.046		%	20
			Sulphate (SO4)	2025/04/28	1.8		%	20
B767042	AA1	Matrix Spike	Total Aluminum (Al)	2025/04/29		96	%	80 - 120
			Total Antimony (Sb)	2025/04/29		97	%	80 - 120
			Total Arsenic (As)	2025/04/29		100	%	80 - 120
			Total Barium (Ba)	2025/04/29		96	%	80 - 120
			Total Boron (B)	2025/04/29		90	%	80 - 120
			Total Cadmium (Cd)	2025/04/29		97	%	80 - 120
			Total Chromium (Cr)	2025/04/29		95	%	80 - 120
			Total Cobalt (Co)	2025/04/29		94	%	80 - 120
			Total Copper (Cu)	2025/04/29		93	%	80 - 120
			Total Iron (Fe)	2025/04/29		95	%	80 - 120
			Total Lead (Pb)	2025/04/29		92	%	80 - 120
			Total Manganese (Mn)	2025/04/29		95	%	80 - 120
			Total Molybdenum (Mo)	2025/04/29		99	%	80 - 120
			Total Nickel (Ni)	2025/04/29		94	%	80 - 120
			Total Selenium (Se)	2025/04/29		101	%	80 - 120
			Total Silicon (Si)	2025/04/29		89	%	80 - 120
			Total Silver (Ag)	2025/04/29		96	%	80 - 120
			Total Strontium (Sr)	2025/04/29		96	%	80 - 120
			Total Uranium (U)	2025/04/29		100	%	80 - 120
			Total Vanadium (V)	2025/04/29		94	%	80 - 120
			Total Zinc (Zn)	2025/04/29		99	%	80 - 120
B767042	AA1	Spiked Blank	Total Aluminum (Al)	2025/04/29		104	%	80 - 120
			Total Antimony (Sb)	2025/04/29		99	%	80 - 120
			Total Arsenic (As)	2025/04/29		99	%	80 - 120
			Total Barium (Ba)	2025/04/29		98	%	80 - 120
			Total Boron (B)	2025/04/29		93	%	80 - 120
			Total Cadmium (Cd)	2025/04/29		98	%	80 - 120
			Total Chromium (Cr)	2025/04/29		101	%	80 - 120
			Total Cobalt (Co)	2025/04/29		101	%	80 - 120
			Total Copper (Cu)	2025/04/29		99	%	80 - 120
			Total Iron (Fe)	2025/04/29		98	%	80 - 120
			Total Lead (Pb)	2025/04/29		97	%	80 - 120
			Total Manganese (Mn)	2025/04/29		102	%	80 - 120
			Total Molybdenum (Mo)	2025/04/29		101	%	80 - 120
			Total Nickel (Ni)	2025/04/29		100	%	80 - 120
			Total Selenium (Se)	2025/04/29		99	%	80 - 120
			Total Silicon (Si)	2025/04/29		91	%	80 - 120
			Total Silver (Ag)	2025/04/29		99	%	80 - 120
			Total Strontium (Sr)	2025/04/29		97	%	80 - 120
			Total Uranium (U)	2025/04/29		101	%	80 - 120
			Total Vanadium (V)	2025/04/29		101	%	80 - 120
			Total Zinc (Zn)	2025/04/29		100	%	80 - 120
B767042	AA1	Method Blank	Total Aluminum (Al)	2025/04/29	ND, RDL=3.0		ug/L	
			Total Antimony (Sb)	2025/04/29	ND, RDL=0.50		ug/L	



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Site Location: Furry Creek Booster Station

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Arsenic (As)	2025/04/29	ND, RDL=0.10		ug/L	
			Total Barium (Ba)	2025/04/29	ND, RDL=1.0		ug/L	
			Total Boron (B)	2025/04/29	ND, RDL=50		ug/L	
			Total Cadmium (Cd)	2025/04/29	ND, RDL=0.010		ug/L	
			Total Chromium (Cr)	2025/04/29	ND, RDL=1.0		ug/L	
			Total Cobalt (Co)	2025/04/29	ND, RDL=0.20		ug/L	
			Total Copper (Cu)	2025/04/29	ND, RDL=0.20		ug/L	
			Total Iron (Fe)	2025/04/29	ND, RDL=5.0		ug/L	
			Total Lead (Pb)	2025/04/29	ND, RDL=0.20		ug/L	
			Total Manganese (Mn)	2025/04/29	ND, RDL=1.0		ug/L	
			Total Molybdenum (Mo)	2025/04/29	ND, RDL=1.0		ug/L	
			Total Nickel (Ni)	2025/04/29	ND, RDL=1.0		ug/L	
			Total Selenium (Se)	2025/04/29	ND, RDL=0.10		ug/L	
			Total Silicon (Si)	2025/04/29	ND, RDL=100		ug/L	
			Total Silver (Ag)	2025/04/29	ND, RDL=0.020		ug/L	
			Total Strontium (Sr)	2025/04/29	ND, RDL=1.0		ug/L	
			Total Uranium (U)	2025/04/29	ND, RDL=0.10		ug/L	
			Total Vanadium (V)	2025/04/29	ND, RDL=5.0		ug/L	
			Total Zinc (Zn)	2025/04/29	ND, RDL=5.0		ug/L	
B767042	AA1	RPD	Total Aluminum (Al)	2025/04/29	5.3		%	20
			Total Antimony (Sb)	2025/04/29	NC		%	20
			Total Arsenic (As)	2025/04/29	NC		%	20
			Total Barium (Ba)	2025/04/29	NC		%	20
			Total Boron (B)	2025/04/29	NC		%	20
			Total Cadmium (Cd)	2025/04/29	NC		%	20
			Total Chromium (Cr)	2025/04/29	NC		%	20
			Total Cobalt (Co)	2025/04/29	NC		%	20
			Total Copper (Cu)	2025/04/29	0.60		%	20
			Total Iron (Fe)	2025/04/29	NC		%	20
			Total Lead (Pb)	2025/04/29	NC		%	20
			Total Manganese (Mn)	2025/04/29	4.2		%	20
			Total Molybdenum (Mo)	2025/04/29	NC		%	20
			Total Nickel (Ni)	2025/04/29	NC		%	20
			Total Selenium (Se)	2025/04/29	NC		%	20
			Total Silicon (Si)	2025/04/29	5.0		%	20
			Total Silver (Ag)	2025/04/29	NC		%	20



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Total Strontium (Sr)	2025/04/29	4.6		%	20
			Total Uranium (U)	2025/04/29	NC		%	20
			Total Vanadium (V)	2025/04/29	NC		%	20
			Total Zinc (Zn)	2025/04/29	NC		%	20
B767324	BTM	Matrix Spike	Total Dissolved Solids	2025/04/29		102	%	80 - 120
B767324	BTM	Spiked Blank	Total Dissolved Solids	2025/04/29		99	%	80 - 120
B767324	BTM	Method Blank	Total Dissolved Solids	2025/04/29	ND, RDL=10		mg/L	
B767324	BTM	RPD	Total Dissolved Solids	2025/04/29	5.7		%	20
B767327	NGU	Matrix Spike	1,4-Difluorobenzene (sur.)	2025/04/28		105	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/04/28		109	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/04/28		103	%	50 - 140
			Bromodichloromethane	2025/04/28		91	%	50 - 140
			Bromoform	2025/04/28		89	%	50 - 140
			Dibromochloromethane	2025/04/28		91	%	50 - 140
			Chloroform	2025/04/28		96	%	50 - 140
B767327	NGU	Spiked Blank	1,4-Difluorobenzene (sur.)	2025/04/28		100	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/04/28		83	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/04/28		93	%	50 - 140
			Bromodichloromethane	2025/04/28		86	%	60 - 130
			Bromoform	2025/04/28		85	%	60 - 130
			Dibromochloromethane	2025/04/28		87	%	60 - 130
			Chloroform	2025/04/28		90	%	60 - 130
B767327	NGU	Method Blank	1,4-Difluorobenzene (sur.)	2025/04/28		103	%	50 - 140
			4-Bromofluorobenzene (sur.)	2025/04/28		80	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2025/04/28		93	%	50 - 140
			Bromodichloromethane	2025/04/28	ND, RDL=1.0		ug/L	
			Bromoform	2025/04/28	ND, RDL=1.0		ug/L	
			Dibromochloromethane	2025/04/28	ND, RDL=1.0		ug/L	
			Chloroform	2025/04/28	ND, RDL=1.0		ug/L	
B768487	CJY	Matrix Spike	Dissolved Fluoride (F)	2025/04/29		101	%	80 - 120
B768487	CJY	Spiked Blank	Dissolved Fluoride (F)	2025/04/29		101	%	80 - 120
B768487	CJY	Method Blank	Dissolved Fluoride (F)	2025/04/29	ND, RDL=0.050		mg/L	
B768487	CJY	RPD	Dissolved Fluoride (F)	2025/04/29	1.5		%	20
B769521	NKT	Matrix Spike	Total Phosphorus (P)	2025/04/30		NC	%	N/A
B769521	NKT	Spiked Blank	Total Phosphorus (P)	2025/04/30		96	%	80 - 120
B769521	NKT	Method Blank	Total Phosphorus (P)	2025/04/30	ND, RDL=0.0030		mg/L	
B769521	NKT	RPD	Total Phosphorus (P)	2025/04/30	8.5		%	20
B769646	CBK	Spiked Blank	Total Organic Carbon (C)	2025/04/30		102	%	80 - 120
B769646	CBK	Method Blank	Total Organic Carbon (C)	2025/04/30	ND, RDL=0.50		mg/L	
B769752	CBK	Spiked Blank	Dissolved Organic Carbon (C)	2025/04/30		97	%	80 - 120
B769752	CBK	Method Blank	Dissolved Organic Carbon (C)	2025/04/30	ND, RDL=0.50		mg/L	
B769781	NKT	Spiked Blank	Apparent Colour	2025/04/30		106	%	80 - 120
B769781	NKT	Method Blank	Apparent Colour	2025/04/30	ND, RDL=2.0		PtCo units	
B769781	NKT	RPD [DIN562-02]	Apparent Colour	2025/04/30	NC		%	20



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
	B769789	GID	Spiked Blank	Transmittance at 254nm	2025/04/28		99	%	97 - 103
	B769789	GID	RPD [DIN562-04]	Transmittance at 254nm	2025/04/28	0.068		%	25
	B769790	éCK	Matrix Spike	2,3-Dibromopropionic Acid	2025/04/30		93	%	70 - 130
				2,3-Dibromopropionic Acid	2025/04/30		93	%	70 - 130
				Dalapon	2025/04/30		84	%	60 - 140
				Dalapon	2025/04/30		84	%	60 - 140
				Monochloroacetic Acid	2025/04/30		77	%	60 - 140
				Monochloroacetic Acid	2025/04/30		77	%	60 - 140
				Monobromoacetic Acid	2025/04/30		93	%	60 - 140
				Monobromoacetic Acid	2025/04/30		93	%	60 - 140
				Dichloroacetic Acid	2025/04/30		NC	%	60 - 140
				Dichloroacetic Acid	2025/04/30		NC	%	60 - 140
				Trichloroacetic Acid	2025/04/30		NC	%	60 - 140
				Trichloroacetic Acid	2025/04/30		NC	%	60 - 140
				Bromochloroacetic Acid	2025/04/30		92	%	60 - 140
				Bromochloroacetic Acid	2025/04/30		92	%	60 - 140
				Dibromoacetic Acid	2025/04/30		91	%	60 - 140
				Dibromoacetic Acid	2025/04/30		91	%	60 - 140
	B769790	éCK	Spiked Blank	2,3-Dibromopropionic Acid	2025/04/30		99	%	70 - 130
				2,3-Dibromopropionic Acid	2025/04/30		99	%	70 - 130
				Dalapon	2025/04/30		95	%	70 - 130
				Dalapon	2025/04/30		95	%	70 - 130
				Monochloroacetic Acid	2025/04/30		86	%	70 - 130
				Monochloroacetic Acid	2025/04/30		86	%	70 - 130
				Monobromoacetic Acid	2025/04/30		99	%	70 - 130
				Monobromoacetic Acid	2025/04/30		99	%	70 - 130
				Dichloroacetic Acid	2025/04/30		92	%	70 - 130
				Dichloroacetic Acid	2025/04/30		92	%	70 - 130
				Trichloroacetic Acid	2025/04/30		99	%	70 - 130
				Trichloroacetic Acid	2025/04/30		99	%	70 - 130
				Bromochloroacetic Acid	2025/04/30		102	%	70 - 130
				Bromochloroacetic Acid	2025/04/30		102	%	70 - 130
				Dibromoacetic Acid	2025/04/30		93	%	70 - 130
				Dibromoacetic Acid	2025/04/30		93	%	70 - 130
	B769790	éCK	Method Blank	2,3-Dibromopropionic Acid	2025/04/30		96	%	70 - 130
				2,3-Dibromopropionic Acid	2025/04/30		96	%	70 - 130
				Dalapon	2025/04/30	ND, RDL=5.0		ug/L	
				Dalapon	2025/04/30	ND, RDL=5.0		ug/L	
				Monochloroacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
				Monochloroacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
				Monobromoacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
				Monobromoacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
				Dichloroacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
				Dichloroacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
				Trichloroacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Trichloroacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
			Bromochloroacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
			Bromochloroacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
			Dibromoacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
			Dibromoacetic Acid	2025/04/30	ND, RDL=5.0		ug/L	
			Total Haloacetic Acids	2025/04/30	ND, RDL=5.0		ug/L	
			Total Haloacetic Acids	2025/04/30	ND, RDL=5.0		ug/L	

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.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

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).



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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

Mauro Oselin, P.Chem., QP, Scientific Specialist

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 Raphael Kwan, General Manager, BC and Yukon Regions responsible for British Columbia Environmental laboratory operations.

C534723
2025/04/25 10:27

Bureau Veritas
4608 Canada Way, Burnaby, British Columbia Canada V5G 1K5 Tel:(604) 734 7278 Toll-free:800-563-6266 Fax:(604) 731 2386 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name: #14396 Keats Environmental	Company Name: Report Distribution	Quotation #: C41519	Bureau Veritas Job #	Chain Of Custody Record	Project Manager	Sample Order #:	750187
Contact Name: Keats Admin	Contact Name: Report Distribution	P.O. #: 8993					
Address: PO Box 1342 Gibsons BC V0N 1V0	Address:	Project #: 70058-FC-DW					
Phone:	Phone:	Project Name:					
Email: admin@kicas.ca	Email: alex.laidlaw@kicas.ca; andrew@kicas.ca; reports@kicas	Site #:					
		Sampled By: A. NAJFI					

Regulatory Criteria: <input type="checkbox"/> CSR <input type="checkbox"/> CCME <input checked="" type="checkbox"/> BC Water Quality <input type="checkbox"/> Other:	Special Instructions:	ANALYSIS REQUESTED (PLEASE BE SPECIFIC)	Turnaround Time (TAT) Required: 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. Job Specific Rush TAT (if applies to entire submission) 1 DAY <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Date Required:
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SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals Filtered? (Y/N)	0.45 um Sampling Filters	Drinking Water Package (Non-regulators)	Trihalomethanes (THM) in Water	Carbon (DOC) - Lab Filtered	Carbon (Total Organic)	Colour (Apparent)	Giardia & Cryptosporidium - Method 1623	Halocetic Acids in Water	ORP Analysis on Water by ARD LAB	Oxygen (Dissolved)	# of Bottles	Comments
1	FC Booster - 475FB	25/04/23	18:30	WATER	N	X	X	X	X	X	X	X	X	X	X		No Micro Biology
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	



MVAN-2025-04-1910

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
			DAMIAN GILL	2025/04/25	10:27		Time Sensitive <input type="checkbox"/> Temperature (°C) on Receipt: 14/14/14 Custody Seal Intact on Cooler? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

* 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.

ICE PACK MELTED