



Your C.O.C. #: C#745068-01-01

**Attention: Courtney Robertson**

LUND WATERWORKS DISTRICT  
PO Box 113  
Lund, BC  
CANADA V0N 2G0

**Report Date: 2025/01/28**

Report #: R3616382

Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C509111**

**Received: 2025/01/22, 10:48**

Sample Matrix: Water  
# Samples Received: 2

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Total Trihalomethanes Calculation	2	N/A	2025/01/28	BBY WI-00033	Auto Calc
VOCs, VH, F1, LH in Water by HS GC/MS	2	N/A	2025/01/27	BBY8SOP-00009 / BBY8SOP-00011 / BBY8SOP-00012	BCM0E BCLM Jul2017 m

**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.



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



**TRIHALOMETHANES (THM) IN WATER**

<b>Bureau Veritas ID</b>		DDO868	DDO869		
<b>Sampling Date</b>		2025/01/20 11:10	2025/01/20 11:52		
<b>COC Number</b>		C#745068-01-01	C#745068-01-01		
	<b>UNITS</b>	<b>FINNBAY A,B,C</b>	<b>1724 101 HWY A,B,C</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Volatiles</b>					
Total Trihalomethanes	ug/L	200	220	1.0	B669090
Bromodichloromethane	ug/L	3.6	3.8	1.0	B672578
Bromoform	ug/L	<1.0	<1.0	1.0	B672578
Dibromochloromethane	ug/L	<1.0	<1.0	1.0	B672578
Chloroform	ug/L	200	220	1.0	B672578
<b>Surrogate Recovery (%)</b>					
1,4-Difluorobenzene (sur.)	%	99	99		B672578
4-Bromofluorobenzene (sur.)	%	89	89		B672578
D4-1,2-Dichloroethane (sur.)	%	108	113		B672578
RDL = Reportable Detection Limit					



**BUREAU  
VERITAS**

Bureau Veritas Job #: C509111  
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LUND WATERWORKS DISTRICT

### GENERAL COMMENTS

**Results relate only to the items tested.**



BUREAU  
VERITAS

Bureau Veritas Job #: C509111

Report Date: 2025/01/28

### QUALITY ASSURANCE REPORT

LUND WATERWORKS DISTRICT

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
B672578	1,4-Difluorobenzene (sur.)	2025/01/27	98	50 - 140	98	50 - 140	99	%		
B672578	4-Bromofluorobenzene (sur.)	2025/01/27	93	50 - 140	88	50 - 140	87	%		
B672578	D4-1,2-Dichloroethane (sur.)	2025/01/27	72	50 - 140	98	50 - 140	100	%		
B672578	Bromodichloromethane	2025/01/28	84	50 - 140	83	60 - 130	<1.0	ug/L	2.7	30
B672578	Bromoform	2025/01/28	73	50 - 140	74	60 - 130	<1.0	ug/L	NC	30
B672578	Chloroform	2025/01/28	NC	50 - 140	84	60 - 130	<1.0	ug/L	3.3	30
B672578	Dibromochloromethane	2025/01/28	83	50 - 140	81	60 - 130	<1.0	ug/L	NC	30

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).



### VALIDATION SIGNATURE PAGE

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

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

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

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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.

C509111  
2025/01/22 10:48



Bureau Veritas  
4605 Canada Way, Burnaby, British Columbia Canada V5G 1K5 Tel:(604) 734 7276 Toll-free 800-563-6266 Fax:(604) 731 2385 www.bvna.com

Chain Of Custody Record

Page of

<b>INVOICE TO:</b>		<b>Report Information</b>		<b>Project Information</b>		<b>Laboratory Use Only</b>	
Company Name	#4787 LUND WATERWORKS DISTRICT	Company Name	Lund water District	Quotation #	B01556	Bureau Veritas Job #	Bottle Order #:
Contact Name	Shelley Cherry	Contact Name	O. Robertson	P.O. #			
Address	PO Box 113 Lund BC V0N 2G0	Address	PO Box 113 Lund B.C. V0N 2G0	Project #		Chain Of Custody Record	Project Manager
Phone	(604) 414-0230 Fax: (604) 483-9990	Phone	604 844 0469 Fax:	Site #			Customer Solutions
Email	lundwaterdistrict@gmail.com	Email	lundwaterdistrict@gmail.com	Sampled by		C#745058-01-01	

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 _____			Please provide advance notice for rush projects <b>Regular (Standard) TAT:</b> (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. <b>Job Specific Rush TAT (if applies to entire submission)</b> 1 DAY <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> Date Required: _____
			Rush Confirmation Number: _____ (call lab for #) # of Bottles _____ Comments _____

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS						Metals Field Filtered? (Y/N)	THM												
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix															
1	Lund water Dist. Finn Bay A, B, C	2025/01/20	11:10	Water	N	X													
2	Lund water Dist. 1724 101 Hwy A, B, C	2025/01/20	11:52	Water	N	X													
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			



MVAN-2025-01-879

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Time Sensitive	Temperature (°C) on Receipt	Custody Seal Intact on Cooler?
<i>[Signature]</i> / C. Robertson	2025/01/20	1:33	<i>[Signature]</i> ASHLEY THOMAS VAKHARZE	2025/01/22	10:48		<input type="checkbox"/>	4, 2, 2	<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 Frozen.*