

Geotechnical

**Building Sciences** 

Construction Testing & Inspections

Telephone

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cambium-inc.com

**Mailing Address** 

P.O. Box 325, Peterborough, Ontario Canada, K9J 6Z3

Locations

Peterborough Kingston Barrie Ottawa Whitby

**Laboratory** Peterborough





July 7, 2025

China Canada Jing Bei Xin Min International Co. Ltd. 118 Gemini Crescent Richmond Hill, ON, L4S 2K7

c/o EcoVue Consulting Services Inc.

Attn: Andreas Houlios

EcoVue Consulting Services Inc. - Planning and Development Lead

Re: Off-site Residential Well Monitoring Program – Background

**Conditions** 

309 Zephyr Road, Zephyr, Ontario Cambium Reference: 18619-003

Dear Andreas Houlios,

China Canada Jing Bei Xin Min International Co. Ltd. (Client), care of EcoVue Consulting Services Inc., retained Cambium Inc. (Cambium) to initiate a residential well monitoring program adjacent to 309 Zephyr Road, Zephyr, Ontario (the Site).

The Client intends to develop the Site as a privately services subdivision. The well monitoring program was required by regulating authorities to ensure that future work at the Site (during construction of the proposed development) does not influence adjacent groundwater users. As part of this process background conditions of existing off-site supply wells needed to be established.

This report serves as a brief outline of the information collected to date. Water level monitoring is ongoing and it is expected that future work programs will expand on the information outlined herein (as required).

# Scope of Work

The scope of work included an initial well survey, collection of raw water quality samples and installation of water level logging devices within residential supply wells.



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# Well Survey

On April 22, 2024 Cambium staff visited the residences located adjacent the Site to complete a water well survey. If a resident was not home a letter was left at the property outlining the well survey request and providing Cambium contact information.

The owners of the following residences agreed to participate in the well monitoring program:

- 1 Dafoe Street
- 7 Dafoe Street
- 306 Zephyr Road
- 315 Zephyr Road
- 12759 RR39
- 12840 RR39
- 12897 RR39

# Well Logger Installation and Water Sampling

On May 23 and June 26, 2024 Cambium staff visited the properties listed above to collect groundwater samples and install water level logging devices. The level logging devices recorded water level measurements through to April 23, 2025 – which was the latest download event. The level loggers are understood to be in place and recording information at the time this document was prepared.

Water level logging devices were installed in each of the well listed above, with exception of the well that serviced 1 Dafoe Street. Based on conversation with the well owner at 1 Dafoe Street, the well is understood to be flowing artesian. As such, Cambium staff did not attempt to open the well cap to install a logger.

The groundwater samples were collected from a tap in each dwelling that discharged raw, untreated water. The tap was flushed for several minutes before samples were collected. Samples were analyzed for general metals, inorganic parameters and bacteria. The samples were submitted to SGS Lakefield for



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July 7, 2025

analysis. Upon receipt of the results the resident well owners were notified of the water quality. The certificates of analysis are attached herein. Cambium did not provide an assessment of the water quality results as this work program is limited to establishing background conditions.

# Water Level Monitoring Summary

A hydrograph of the water level monitoring results is attached as Figure 1. The maximum and minimum water levels measured from each well are listed below in Table 1. These provide some background information on existing conditions of the supply wells in the area of the Site.

Table 1: Water Level Fluctuations – Off-site Supply Wells

Address	Minimum Water Level (mbgs)	Minimum Water Level (mbgs)
7 Dafoe Street	3.07	4.53
306 Zephyr Road	0.50	1.75
315 Zephyr Road	0.03	1.25
12840 RR39	2.94	5.35
12897 RR39	4.25	5.69

Note that water level monitoring information is unavailable from the well servicing 12759 RR39. The well owner had the well sealed in the fall of 2024, after the logger had been installed. However, the owner opened the seal for Cambium staff in April of 2025. It was determined that after installation, the logger became entangled in downhole pump equipment at some point and could not be retrieved. Following the April 2025 visit, the owner had the well cleaned and the logger removed and then re-installed. As such a return visit is necessary to download the logger from the well at 12759 RR39.

# Closing

This letter summarizes initial background information collected from several private supply wells located adjacent the Site throughout part of 2024 and 2025. The water level measurements are ongoing at the supply wells. A return visit should be made in the future to download the logger at well 12759 RR39. These data should be updated in the future on an as-needed basis.



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July 7, 2025

We trust these data are satisfactory. If you have any questions please contact the undersigned at 705-742-7900.

Best regards,

Cambium Inc.



Cameron MacDougall, P.Geo. Project Manager - Hydrogeologist

CJM

Encl. Cambium Qualifications & Limitations

Figure 1 – 309 Zephyr Road, Private Supply Well Monitoring Hydrograph

CA15224-MAY24 1 Dafoe Street CA15221-MAY24 7 Dafoe Street CA15223-MAY24 306 Zephyr Road CA15220-MAY24 315 Zephyr Road CA40189-JUN24 12579 RR39 CA15222-MAY24 12840 RR39 CA15225-MAY24 12897 RR39

Copies: Andreas Houlios - EcoVue Consulting

P:\18600 to 18699\18619-003 EcoVue Consultin Services Inc - Water Well Survey and Additional HG\Deliverables\Report - Residential Monitoring LTR\2025-07-02 Zephyr Residential LTR.docx





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# CAMBIUM QUALIFICATIONS AND LIMITATIONS

### **Limited Warranty**

In performing work on behalf of a client, Cambium relies on its client to provide instructions on the scope of its retainer and, on that basis, Cambium determines the precise nature of the work to be performed. Cambium undertakes all work in accordance with applicable accepted industry practices and standards. Unless required under local laws, other than as expressly stated herein, no other warranties or conditions, either expressed or implied, are made regarding the services, work or reports provided.

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The findings and results presented in reports prepared by Cambium are based on the materials and information provided by the client to Cambium and on the facts, conditions and circumstances encountered by Cambium during the performance of the work requested by the client. In formulating its findings and results into a report, Cambium assumes that the information and materials provided by the client or obtained by Cambium from the client or otherwise are factual, accurate and represent a true depiction of the circumstances that exist. Cambium relies on its client to inform Cambium if there are changes to any such information and materials. Cambium does not review, analyze or attempt to verify the accuracy or completeness of the information or materials provided, or circumstances encountered, other than in accordance with applicable accepted industry practice. Cambium will not be responsible for matters arising from incomplete, incorrect or misleading information or from facts or circumstances that are not fully disclosed to or that are concealed from Cambium during the provision of services, work or reports.

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When preparing reports, Cambium considers applicable legislation, regulations, governmental guidelines and policies to the extent they are within its knowledge, but Cambium is not qualified to advise with respect to legal matters. The presentation of information regarding applicable legislation, regulations, governmental guidelines and policies is for information only and is not intended to and should not be interpreted as constituting a legal opinion concerning the work completed or conditions outlined in a report. All legal matters should be reviewed and considered by an appropriately qualified legal practitioner.

# Site Assessments

A site assessment is created using data and information collected during the investigation of a site and based on conditions encountered at the time and particular locations at which fieldwork is conducted. The information, sample results and data collected represent the conditions only at the specific times at which and at those specific locations from which the information, samples and data were obtained and the information, sample results and data may vary at other locations and times. To the extent that Cambium's work or report considers any locations or times other than those from which information, sample results and data was specifically received, the work or report is based on a reasonable extrapolation from such information, sample results and data but the actual conditions encountered may vary from those extrapolations.

Only conditions at the site and locations chosen for study by the client are evaluated; no adjacent or other properties are evaluated unless specifically requested by the client. Any physical or other aspects of the site chosen for study by the client, or any other matter not specifically addressed in a report prepared by Cambium, are beyond the scope of the work performed by Cambium and such matters have not been investigated or addressed.

# Reliance

Cambium's services, work and reports may be relied on by the client and its corporate directors and officers, employees, and professional advisors. Cambium is not responsible for the use of its work or reports by any other party, or for the reliance on, or for any decision which is made by any party using the services or work performed by or a report prepared by Cambium without Cambium's express written consent. Any party that relies on services or work performed by Cambium or a report prepared by Cambium without Cambium's express written consent, does so at its own risk. No report of Cambium may be disclosed or referred to in any public document without Cambium's express prior written consent. Cambium specifically disclaims any liability or responsibility to any such party for any loss, damage, expense, fine, penalty or other such thing which may arise or result from the use of any information, recommendation or other matter arising from the services, work or reports provided by Cambium.

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Potential liability to the client arising out of the report is limited to the amount of Cambium's professional liability insurance coverage. Cambium shall only be liable for direct damages to the extent caused by Cambium's negligence and/or breach of contract. Cambium shall not be liable for consequential damages.

### Personal Liability

The client expressly agrees that Cambium employees shall have no personal liability to the client with respect to a claim, whether in contract, tort and/or other cause of action in law. Furthermore, the client agrees that it will bring no proceedings nor take any action in any court of law against Cambium employees in their personal capacity.

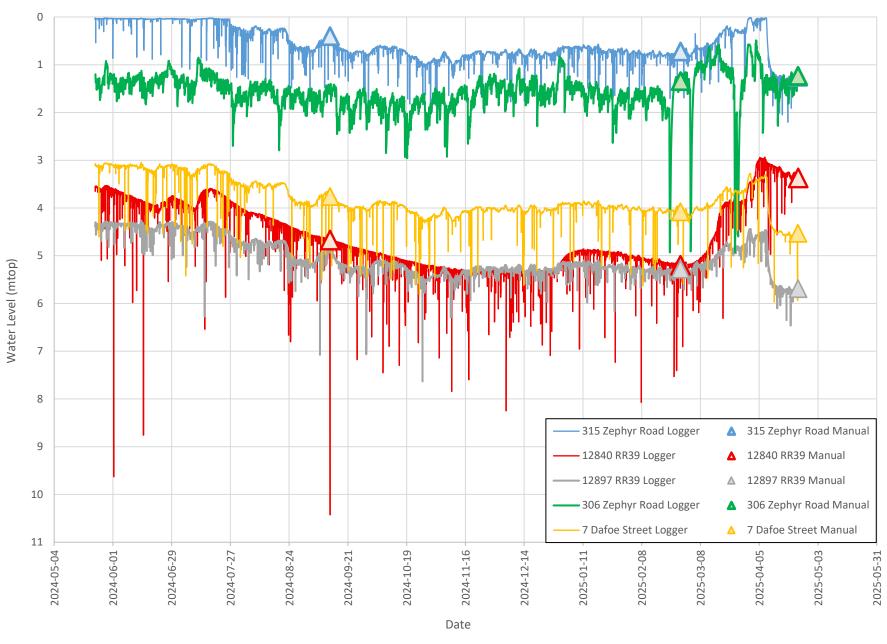


Figure 1: 309 Zephyr Road, Private Supply Well Monitoring Hydrograph







CA15224-MAY24 R1

18619-003

Prepared for

Cambium Inc.



# First Page

CLIENT DETAILS	S	LABORATORY DETAI	ILS
Client	Cambium Inc.	Project Specialist	Jill Campbell, B.Sc.,GISAS
		Laboratory	SGS Canada Inc.
Address	194 Sofia Street, Peterborough	Address	185 Concession St., Lakefield ON, K0L 2H0
	Canada, K9H 1E3		
	Phone: 705-742-7900. Fax:705-742-7907		
Contact	Cameron MacDougall	Telephone	2165
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile	705-742-7907	Email	jill.campbell@sgs.com
Email	cameron.macdougall@cambium-inc.com; file@cambium-inc.cc	SGS Reference	CA15224-MAY24
Project	18619-003	Received	05/23/2024
Order Number		Approved	05/29/2024
Samples	Ground Water (2)	Report Number	CA15224-MAY24 R1
		Date Reported	05/29/2024

# COMMENTS

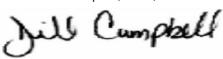
Temperature of Sample upon Receipt: 17 degrees C

Cooling Agent Present: Yes Custody Seal Present: Yes

Chain of Custody Number: 038606

# SIGNATORIES

Jill Campbell, B.Sc.,GISAS







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Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: K. Yonemitsa

MATRIX: WATER				Sample Number	9	10
				Sample Name	1 Dafoe	QA/QC
_1 = ODWS_AO_OG / WATER / Table 4 - Drinkir	ng Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - D	Drinking Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
General Chemistry						
Alkalinity	mg/L as CaCO3	2	500		227	
Colour	TCU	3	5		8	
Conductivity	uS/cm	2			646	
Total Dissolved Solids	mg/L	30	500		411	
Turbidity	NTU	0.10	5	1	16	
Dissolved Organic Carbon	mg/L	1	5		< 1	
Ammonia+Ammonium (N)	as N mg/L	0.1			< 0.1	
Metals and Inorganics						
Sulphate	mg/L	2	500		57	
Nitrite (as N)	as N mg/L	0.03		1	< 0.03	
Nitrate (as N)	as N mg/L	0.06		10	< 0.06	
Hardness	mg/L as CaCO3	0.05	100		307	
Calcium (total)	mg/L	0.01			86.0	
Iron (total)	mg/L	0.007	0.3		1.52	
Magnesium (total)	mg/L	0.001			22.4	
Manganese (total)	mg/L	0.00001	0.05		0.0680	
Sodium (total)	mg/L	0.01	200	20	11.4	



Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: K. Yonemitsa

MA	TRIX: WATER				Sample Number	9	10
					Sample Name	1 Dafoe	QA/QC
L1 = (	ODWS_AO_OG / WATER / Table 4 - Drinki	ing Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
L2 = (	ODWS_MAC / WATER / Table 1,2 and 3 - [	Drinking Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
F	Parameter	Units	RL	L1	L2	Result	Result
Mic	robiology						
E	E. Coli	cfu/100mL	0		0	0	0
7	Γotal Coliform	cfu/100mL	0		0	0	0
7	Total Coliform Background	cfu/100mL	0			0	
F	Fecal Coliform	cfu/100mL	0			0	0
Oth	er (ORP)						
	bH	No unit	0.05	8.5		8.22	
C	Chloride	mg/L	1	250		42	



# **EXCEEDANCE SUMMARY**

Parameter	Method	Units	Result	L1	L2
					Reg O.169_03
				Reg O.169_03	Drinking Water -
				- Drinking Water -	1,2 and 3 -
				WATER / Table 4	WATER / Table
				ODWS_AO_OG /	ODWS_MAC /

# 1 Dafoe

Colour	SM 2120	TCU	8	5	
Turbidity	SM 2130	NTU	16	5	1
Hardness	SM 3030/EPA 200.8	mg/L as CaCO3	307	100	
Iron	SM 3030/EPA 200.8	mg/L	1.52	0.3	
Manganese	SM 3030/EPA 200.8	mg/L	0.0680	0.05	

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# QC SUMMARY

**Alkalinity** 

Method: SM 2320 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	h Units RL Method Duplicate		LC	LCS/Spike Blank			Matrix Spike / Ref.				
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recovery Limits	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0592-MAY24	mg/L as	2	< 2	0	20	100	80	120	NA		
		CaCO3										

# Ammonia by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-007

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recovery Limits	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0246-MAY24	as N mg/L	0.1	<0.1	1	10	95	90	110	83	75	125

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# QC SUMMARY

Anions by discrete analyzer

Method: US EPA 325.2 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-026

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	LCS/Spike Blank		Matrix Spike / Ref.			
	Reference			Blank	RPD	AC (%)	Spike		ry Limits %)	Spike Recovery	Recove	ry Limits %)	
						(%)	Recovery (%)	Low	High	(%)	Low	High	
Chloride	DIO8075-MAY24	mg/L	1	<1	ND	20	97	80	120	101	75	125	
Sulphate	DIO8075-MAY24	mg/L	2	<2	1	20	109	80	120	95	75	125	

# Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch Reference	Units	RL	Method	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
				Blank	RPD	AC (%)	Spike	Recovery Limits (%)		Spike Recovery	Recovery Limits	
							Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0553-MAY24	mg/L	0.03	<0.03	10	20	99	90	110	102	75	125
Nitrate (as N)	DIO0553-MAY24	mg/L	0.06	<0.06	2	20	97	90	110	93	75	125

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# QC SUMMARY

Carbon by SFA

Method: SM 5310 | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-009

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	CS/Spike Blank		M	atrix Spike / Ref	.ef.	
	Reference			Blank	RPD	AC	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery	Recover	ry Limits %)	
						(%)		Low	High	(%)	Low	High	
Dissolved Organic Carbon	SKA0221-MAY24	mg/L	1	<1	4	20	102	90	110	94	75	125	

# Colour

Method: SM 2120 | Internal ref.: ME-CA-IENVIEWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	LCS/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0579-MAY24	TCU	3	< 3	ND	10	100	80	120	NA		

# Conductivity

Method: SM 2510 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	LCS/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	·
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0592-MAY24	uS/cm	2	< 2	0	20	99	90	110	NA		



# QC SUMMARY

Metals in aqueous samples - ICP-MS

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-[ENVISPE-LAK-AN-006

Parameter	QC batch	Units	RL	Method Blank	Duplicate		LC	S/Spike Blank		Matrix Spike / Ref.		
	Reference				RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recovery Limits (%)	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Calcium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	ND	20	104	90	110	93	70	130
Iron (total)	EMS0239-MAY24	mg/L	0.007	<0.007	ND	20	104	90	110	100	70	130
Magnesium (total)	EMS0239-MAY24	mg/L	0.001	<0.001	ND	20	103	90	110	88	70	130
Manganese (total)	EMS0239-MAY24	mg/L	0.00001	<0.00001	ND	20	107	90	110	101	70	130
Sodium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	0	20	104	90	110	86	70	130

# Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-IENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dupli	cate	LC	LCS/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recovery Limits (%)	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Coliform Background	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
E. Coli	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Fecal Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Total Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							



# QC SUMMARY

pН

Method: SM 4500 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
рН	EWL0592-MAY24	No unit	0.05	NA	0		101			NA		

# Solids Analysis

Method: SM 2540C | Internal ref.: ME-CA-IENVIEWL-LAK-AN-005

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	LCS/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Dissolved Solids	EWL0565-MAY24	mg/L	30	<30	2	20	100	80	120	NA		

# **Turbidity**

Method: SM 2130 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-003

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	LCS/Spike Blank		Matrix Spike / Re		
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Turbidity	EWL0567-MAY24	NTU	0.10	< 0.10	3	10	100	90	110	NA		



### **QC SUMMARY**

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.

Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

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

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

**Duplicate Qualifier**: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL. **Matrix Spike Qualifier**: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.



### **LEGEND**

# **FOOTNOTES**

NSS Insufficient sample for analysis.

RL Reporting Limit.

- † Reporting limit raised.
- ↓ Reporting limit lowered.
- NA The sample was not analysed for this analyte
- ND Non Detect

Results relate only to the sample tested.

Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.

"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

SGS provides criteria information (such as regulatory or guideline limits and summary of limit exceedances) as a service. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. Comparison to the most current criteria is the responsibility of the client and SGS assumes no responsibility for the accuracy of the criteria levels indicated.

SGS Canada Inc. statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

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This report supersedes all previous versions

-- End of Analytical Report --

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No:038606

# Request for Laboratory Services and CHAIN OF CUSTODY

Industries & Environment - Lakefield: 185 Concession St., Lakefield, ON KOL 2H0 Phone: 705-652-2000 Fax: 705-652-6365 Web: www.sgs.com/environment

London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361

LABLINS #: CA - 15224 - MRY DY Date: OS / 23 / 24 (mm/dd/yy) | Yellow & White Copy - SGS S to considered authorization for completion of work. Signatures may appear on this form or be retained on file in \*NOTE: DRINKING.(POTABLE) WATER SAMPLES FOR HUMAN CONSUMPTION MUST BE SUBMITTED WITH SGS DRINKING WATER CHAIN OF CUSTODY COMMENTS: TAT's are quoted in business days (exclude statutory holidays & weekends) Samples received after 6pm or on weekends: TAT begins next business day Pink Copy - Client Dvoc SPLP TCLP Ovoc -1.4 Domes Docp OABN (mm/dd/yy) 1 Day 2 Days 3 Days 4 Days PLEASE CONFIRM RUSH FEASIBILITY WITH SGS REPRESENTATIVE PRIOR TO SUBMISSION Other (please specify) Site Location/ID: TURNAROUND TIME (TAT) REQUIRED 2 52 20 Date: 05 /2 P.O. #: ANALYSIS REQUESTED DAR Pest esticides handling and transportation of samples. (2) Submission of samples to SGS is cor-200 **BTEX** only VOCS F1-F4 only Cooling Agent Present: Yes No Temperature Upon Receipt (\*C) K . 13 PHC Received By (signature): Laboratory Information Section - Lab use only 8619 - OOR F1-F4 + BTEX RUSH TAT (Additional Charges May Apply): PCB Arodor [ ☐ latoT **bCBs** Quotation #: 2024 417 SVOCS ABNS, CP3 SVOC Regular TAT (5-7days) vino sHA9 CP Metals only sp.es, Be, Be, B, Cd, Cd, Cd, Pb, Mo, Ni, Se, Ag, TLU, V, Zh Specify Due Date: M & L Metals & Inorganics Field Filtered (Y/N) Custody Seal Present: Yes No Custody Seal Intact: Yes No 3 MATRIX ewer By-Law: Sanitary 35 Municipality: ement that you have been provided direction of SAMPLED BOTTLES Signature: INVOICE INFORMATION Signature: # OF Reg 347/558 (3 Day min TAT)
PWQO MMER
CCME Other:
MISA

ODWS Not Reportable \*See note BERNAMEREN VOUNG (same as Report Information) 11:12 Other:Regulations: TYES NO 35/23/24 DATE Emeron macedouguit @cambiom inc.com
Cameron young @ cambion inc Epal. REGULATIONS Contact: Address: E: V YON MM + SV Note: Submitssion of samples to SGS is acknowle X. you an tou | Res/Park Soil Texture:
| Ind/Com | Coerse | Agri/Other | Medium/Fine RECORD OF SITE CONDITION (RSC) Contact CAM INCLOVERICL HOLLY WIT O.Reg 406/19 55 (hr:min) >350m3 REPORT INFORMATION SAMPLE IDENTIFICATION Observations/Comments/Special Instructions Address: 194 SOPHIA, 1780 Company: CAMBIUM INC \_\_\_ <350m3 Relinquished by (NAME): Sampled By (NAME): Date of Issue: 07 JUNE 2023 O.Reg 153/04 ceived Date: Soil Volume scaived By: ceived Time: Table 1
Table 2
Table 3 Table NO. 9 5 2 2 -8 6

(3) Results may be sent by email to an unlimited number of addresses for no additional costs. Fax is available upon request. This document is issued by the Company under its General Conditions of Service accessible at terms and conditions him. Phinted cooles are available upon request.) Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. the contract, or in an alternative formal (e.g. shipping documents). (3) Results may be sent by







CA15221-MAY24 R1

18619-003

Prepared for

Cambium Inc.





# First Page

CLIENT DETAILS	3	LABORATORY DETAI	LS
Client	Cambium Inc.	Project Specialist	Jill Campbell, B.Sc.,GISAS
		Laboratory	SGS Canada Inc.
Address	194 Sofia Street, Peterborough	Address	185 Concession St., Lakefield ON, K0L 2H0
	Canada, K9H 1E3		
	Phone: 705-742-7900. Fax:705-742-7907		
Contact	Cameron MacDougall	Telephone	2165
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile	705-742-7907	Email	jill.campbell@sgs.com
Email	cameron.macdougall@cambium-inc.com; file@cambium-inc.cc	SGS Reference	CA15221-MAY24
Project	18619-003	Received	05/23/2024
Order Number		Approved	05/29/2024
Samples	Ground Water (2)	Report Number	CA15221-MAY24 R1
		Date Reported	05/29/2024

# COMMENTS

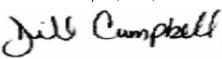
Temperature of Sample upon Receipt: 17 degrees C

Cooling Agent Present: Yes Custody Seal Present: Yes

Chain of Custody Number: 038606

# SIGNATORIES

Jill Campbell, B.Sc.,GISAS







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Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: Kaitlyn Yonemitsa

MATRIX: WATER			s	Sample Number	9	10
				Sample Name	7 Dafoe	QA/QC
1 = ODWS_AO_OG / WATER / Table 4 - Drink	nking Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
e = ODWS_MAC / WATER / Table 1,2 and 3 -	- Drinking Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
General Chemistry						
Alkalinity	mg/L as CaCO3	2	500		220	
Colour	TCU	3	5		5	
Conductivity	uS/cm	2			596	
Total Dissolved Solids	mg/L	30	500		377	
Turbidity	NTU	0.10	5	1	28	
Dissolved Organic Carbon	mg/L	1	5		< 1	
Ammonia+Ammonium (N)	as N mg/L	0.1			< 0.1	
Metals and Inorganics						
Sulphate	mg/L	2	500		43	
Nitrite (as N)	as N mg/L	0.03		1	< 0.03	
Nitrate (as N)	as N mg/L	0.06		10	< 0.06	
Hardness	mg/L as CaCO3	0.05	100		283	
Calcium (total)	mg/L	0.01			82.1	
Iron (total)	mg/L	0.007	0.3		5.22	
Magnesium (total)	mg/L	0.001			19.0	
Manganese (total)	mg/L	0.00001	0.05		0.0768	
Sodium (total)	mg/L	0.01	200	20	9.72	



Client: Cambium Inc.

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MATRIX: WATER				Sample Number	9	10
				Sample Name	7 Dafoe	QA/QC
1 = ODWS_AO_OG / WATER / Table 4 - Drinking \	Water - Reg 0.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - Drin	iking Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
/licrobiology						
E. Coli	cfu/100mL	0		0	0	0
Total Coliform	cfu/100mL	0		0	6	2
Total Coliform Background	cfu/100mL	0			15	
Fecal Coliform	cfu/100mL	0			0	0
Other (ORP)						
рН	No unit	0.05	8.5		8.26	
Chloride	mg/L	1	250		37	



# **EXCEEDANCE SUMMARY**

Total Coliform

				WATER / Table 4 - Drinking Water -	WATER / Tab
				Reg O.169_03	Drinking Water
				<b>v</b> –	Reg O.169_03
Parameter	Method	Units	Result	L1	L2
Total Coliform	OMOE MICROMFDC-E3407A	cfu/100mL	6		0
Turbidity	SM 2130	NTU	28	5	1
Hardness	SM 3030/EPA 200.8	mg/L as CaCO3	283	100	
Iron	SM 3030/EPA 200.8	mg/L	5.22	0.3	
Manganese	SM 3030/EPA 200.8	mg/L	0.0768	0.05	

cfu/100mL

2

OMOE

MICROMFDC-E3407A

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# QC SUMMARY

**Alkalinity** 

Method: SM 2320 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0592-MAY24	mg/L as	2	< 2	0	20	100	80	120	NA		
		CaCO3										

# Ammonia by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-007

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0232-MAY24	as N mg/L	0.1	<0.1	3	10	105	90	110	92	75	125

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# QC SUMMARY

Anions by discrete analyzer

Method: US EPA 325.2 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-026

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Re	ı.
	Reference			Blank	RPD	AC (%)	Spike		ry Limits %)	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Chloride	DIO8075-MAY24	mg/L	1	<1	ND	20	97	80	120	101	75	125
Sulphate	DIO8075-MAY24	mg/L	2	<2	1	20	109	80	120	95	75	125

# Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0553-MAY24	mg/L	0.03	<0.03	10	20	99	90	110	102	75	125
Nitrate (as N)	DIO0553-MAY24	mg/L	0.06	<0.06	2	20	97	90	110	93	75	125

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# QC SUMMARY

Carbon by SFA

Method: SM 5310 | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-009

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	-
	Reference			Blank RPD AC (%)		Spike		ry Limits %)	Spike Recovery	Recover	ry Limits %)	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Dissolved Organic Carbon	SKA0221-MAY24	mg/L	1	<1	4	20	102	90	110	94	75	125

# Colour

Method: SM 2120 | Internal ref.: ME-CA-IENVIEWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	RPD AC (%)			ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0579-MAY24	TCU	3	< 3	ND	10	100	80	120	NA		

# Conductivity

Method: SM 2510 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	RPD AC (%)			ery Limits %)	Spike Recovery	Recover	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0592-MAY24	uS/cm	2	< 2	0	20	99	90	110	NA		



# QC SUMMARY

Metals in aqueous samples - ICP-MS

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-[ENVISPE-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Calcium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	ND	20	104	90	110	93	70	130
Iron (total)	EMS0239-MAY24	mg/L	0.007	<0.007	ND	20	104	90	110	100	70	130
Magnesium (total)	EMS0239-MAY24	mg/L	0.001	<0.001	ND	20	103	90	110	88	70	130
Manganese (total)	EMS0239-MAY24	mg/L	0.00001	<0.00001	ND	20	107	90	110	101	70	130
Sodium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	0	20	104	90	110	86	70	130

# Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-IENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dupli	cate	LC	S/Spike Blank		Ма	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Coliform Background	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
E. Coli	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Fecal Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Total Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							



# QC SUMMARY

рΗ

Method: SM 4500 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		м	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	•
						(%)	Recovery (%)	Low	High	(%)	Low	High
рН	EWL0592-MAY24	No unit	0.05	NA	0		101			NA		

# Solids Analysis

Method: SM 2540C | Internal ref.: ME-CA-IENVIEWL-LAK-AN-005

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	latrix Spike / Ref	
	Reference			Blank	RPD	RPD AC (%)			ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Dissolved Solids	EWL0565-MAY24	mg/L	30	<30	2	20	100	80	120	NA		

# **Turbidity**

Method: SM 2130 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-003

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Turbidity	EWL0567-MAY24	NTU	0.10	< 0.10	3	10	100	90	110	NA		



### **QC SUMMARY**

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.

Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

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

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

Duplicate Qualifier: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.

Matrix Spike Qualifier: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.





### **LEGEND**

# **FOOTNOTES**

NSS Insufficient sample for analysis.

RL Reporting Limit.

- † Reporting limit raised.
- ↓ Reporting limit lowered.
- NA The sample was not analysed for this analyte
- ND Non Detect

Results relate only to the sample tested.

Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.

"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

SGS provides criteria information (such as regulatory or guideline limits and summary of limit exceedances) as a service. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. Comparison to the most current criteria is the responsibility of the client and SGS assumes no responsibility for the accuracy of the criteria levels indicated.

SGS Canada Inc. statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

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This report supersedes all previous versions

-- End of Analytical Report --

20240529 13 / 14

No:038606

Request for Laboratory Services and CHAIN OF CUSTODY kefield: 185 Concession St., Lakefield, ON KOL 2H0 Phone: 705-652-2000 Fax: 705-652-6365 Web: www.sgs.com/environment - London: 657 Consortium Court, London, ON, N6E 258 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361

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ant - I akofield: 185 Concession Ct. 1 about	Industries & Environm	
9	ent - Lakefield: 185 Concession St., Lak	Industries & Environment - Lakefield: 185 Concession St., Lakefield, ON K0L 2H0 Phone: 705-652-2

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Company: Camblum INC	(same as Report Information)	eport Inform	ation)		Quotation #:	# 2024	55,200	イル	N. C.				P.O.#:			TO N	
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O.Reg 153/04 🗍 O.Reg 406/19	Other:Regulations:	tions:	Sew	Sewer By-Law:		M&I	SVOC	OC PCB	B PHC	100	VOC Pest	st	Other	Other (please specify)		SPLP TCLP	an
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CA15223-MAY24 R1

18619-003

Prepared for

Cambium Inc.



### First Page

CLIENT DETAILS	S	LABORATORY DETAI	ILS
Client	Cambium Inc.	Project Specialist	Jill Campbell, B.Sc.,GISAS
		Laboratory	SGS Canada Inc.
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	Canada, K9H 1E3		
	Phone: 705-742-7900. Fax:705-742-7907		
Contact	Cameron MacDougall	Telephone	2165
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile	705-742-7907	Email	jill.campbell@sgs.com
Email	cameron.macdougall@cambium-inc.com; file@cambium-inc.cc	SGS Reference	CA15223-MAY24
Project	18619-003	Received	05/23/2024
Order Number		Approved	05/29/2024
Samples	Ground Water (2)	Report Number	CA15223-MAY24 R1
		Date Reported	05/29/2024

### COMMENTS

Temperature of Sample upon Receipt: 17 degrees C

Cooling Agent Present: Yes Custody Seal Present: Yes

Chain of Custody Number: 038606

### SIGNATORIES

Jill Campbell, B.Sc.,GISAS

Jill Cumpbell





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Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: K. Yonemitsa

MATRIX: WATER				Sample Number	9	10
				Sample Name	306 Zephyr	QA/QC
L1 = ODWS_AO_OG / WATER / Table 4 - Drinking V	Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - Drink	king Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
General Chemistry						
Alkalinity	mg/L as CaCO3	2	500		305	
Colour	TCU	3	5		11	
Conductivity	uS/cm	2			1530	
Total Dissolved Solids	mg/L	30	500		900	
Turbidity	NTU	0.10	5	1	35	
Dissolved Organic Carbon	mg/L	1	5		3	
Ammonia+Ammonium (N)	as N mg/L	0.1			0.7	
Metals and Inorganics						
Sulphate	mg/L	2	500		44	
Nitrite (as N)	as N mg/L	0.03		1	< 0.03	
Nitrate (as N)	as N mg/L	0.06		10	< 0.06	
Hardness	mg/L as CaCO3	0.05	100		360	
Calcium (total)	mg/L	0.01			110	
Iron (total)	mg/L	0.007	0.3		2.75	
Magnesium (total)	mg/L	0.001			21.0	
Manganese (total)	mg/L	0.00001	0.05		1.42	
Sodium (total)	mg/L	0.01	200	20	181	

SGS

Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: K. Yonemitsa

MATRIX: WATER				Sample Number	9	10
				Sample Name	306 Zephyr	QA/QC
1 = ODWS_AO_OG / WATER / Table 4 - Drinking W	Vater - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - Drink	king Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
Microbiology						
E. Coli	cfu/100mL	0		0	0	0
Total Coliform	cfu/100mL	0		0	5	9
Total Coliform Background	cfu/100mL	0			35	
Fecal Coliform	cfu/100mL	0			0	0
Other (ORP)				'		
рН	No unit	0.05	8.5		7.86	
Chloride	mg/L	1	250		320	



### **EXCEEDANCE SUMMARY**

| ODWS\_AO\_OG / ODWS\_MAC / WATER / - - Table 4 WATER / - - Table | - Drinking Water - 1,2 and 3 - Reg O.169\_03 Drinking Water - Reg O.169\_03 | Reg O.169\_03 | Parameter | Reg O.169\_03 | L1 | L2 | Reg O.169\_03 | Drinking Water - Reg O.169\_03 | Reg O.160\_03 | Reg O

### 306 Zephyr

Total Coliform	ОМОЕ	cfu/100mL	5		0
	MICROMFDC-E3407A				
Colour	SM 2120	TCU	11	5	
Turbidity	SM 2130	NTU	35	5	1
Total Dissolved Solids	SM 2540C	mg/L	900	500	
Hardness	SM 3030/EPA 200.8	mg/L as CaCO3	360	100	
Iron	SM 3030/EPA 200.8	mg/L	2.75	0.3	
Manganese	SM 3030/EPA 200.8	mg/L	1.42	0.05	
Sodium	SM 3030/EPA 200.8	mg/L	181		20
Chloride	US EPA 325.2	mg/L	320	250	

### **QA/QC**

Total Coliform	OMOE	cfu/100mL	9
	MICROMFDC-E3407A		

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### QC SUMMARY

**Alkalinity** 

Method: SM 2320 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duplicate		LC	S/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery	Recovery Limits (%)	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0604-MAY24	mg/L as	2	< 2	1	20	100	80	120	NA		
		CaCO3										

### Ammonia by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-007

Parameter	QC batch	Units	RL	Method	Duplicate I		LC	S/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike		Recovery Limits (%)			ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0232-MAY24	as N mg/L	0.1	<0.1	3	10	105	90	110	92	75	125

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### QC SUMMARY

Anions by discrete analyzer

Method: US EPA 325.2 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-026

Parameter	QC batch	Units	RL	Method	Duplicate LCS		S/Spike Blank		Matrix Spike / Ref.			
	Reference			Blank	RPD	AC	Spike	Recove	•	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Chloride	DIO8075-MAY24	mg/L	1	<1	ND	20	97	80	120	101	75	125
Sulphate	DIO8075-MAY24	mg/L	2	<2	1	20	109	80	120	95	75	125

### Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0553-MAY24	mg/L	0.03	<0.03	10	20	99	90	110	102	75	125
Nitrate (as N)	DIO0553-MAY24	mg/L	0.06	<0.06	2	20	97	90	110	93	75	125

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### QC SUMMARY

Carbon by SFA

Method: SM 5310 | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-009

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	CS/Spike Blank  Recovery Limits  (%)		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike			Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Dissolved Organic Carbon	SKA0221-MAY24	mg/L	1	<1	4	20	102	90	110	94	75	125

### Colour

Method: SM 2120 | Internal ref.: ME-CA-IENVIEWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	LCS/Spike Blank  Recovery Limits  Spike (%)		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC				Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0579-MAY24	TCU	3	< 3	ND	10	100	80	120	NA		

### Conductivity

Method: SM 2510 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	Duplicate LCS/Spike Blank		CS/Spike Blank		M	Matrix Spike / Ref.	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0604-MAY24	uS/cm	2	< 2	0	20	99	90	110	NA		



### QC SUMMARY

Metals in aqueous samples - ICP-MS

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-[ENVISPE-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	Duplicate LC		LCS/Spike Blank			Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)	Spike Recovery	Recovery Limits (%)			
		(%)	Recovery (%)	Low	High	(%)	Low	High					
Calcium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	ND	20	104	90	110	93	70	130	
Iron (total)	EMS0239-MAY24	mg/L	0.007	<0.007	ND	20	104	90	110	100	70	130	
Magnesium (total)	EMS0239-MAY24	mg/L	0.001	<0.001	ND	20	103	90	110	88	70	130	
Manganese (total)	EMS0239-MAY24	mg/L	0.00001	<0.00001	ND	20	107	90	110	101	70	130	
Sodium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	0	20	104	90	110	86	70	130	

### Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-IENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dupli	icate LC		S/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery		
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Coliform Background	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
E. Coli	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Fecal Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Total Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							



### QC SUMMARY

рΗ

Method: SM 4500 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Pa	arameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank	S/Spike Blank		Matrix Spike / Ref.	
		Reference			Blank	RPD	AC (W)	Spike		ery Limits %)	Spike Recovery	Recover	-
							(%)	Recovery (%)	Low	High	(%)	Low	High
рН		EWL0604-MAY24	No unit	0.05	NA	0		101			NA		

### Solids Analysis

Method: SM 2540C | Internal ref.: ME-CA-IENVIEWL-LAK-AN-005

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike	Recovery Limits (%)		Spike Recovery		
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Dissolved Solids	EWL0565-MAY24	mg/L	30	<30	2	20	100	80	120	NA		

### **Turbidity**

Method: SM 2130 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-003

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	LCS/Spike Blank		LCS/Spike Blank		M	Matrix Spike / Ref.		
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-			
				(%)	Recovery (%)	Low	High	(%)	Low	High					
Turbidity	EWL0567-MAY24	NTU	0.10	< 0.10	3	10	100	90	110	NA					



### **QC SUMMARY**

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.

Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

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

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

**Duplicate Qualifier**: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL. **Matrix Spike Qualifier**: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.



### **LEGEND**

### **FOOTNOTES**

NSS Insufficient sample for analysis.

RL Reporting Limit.

- † Reporting limit raised.
- ↓ Reporting limit lowered.
- NA The sample was not analysed for this analyte
- ND Non Detect

Results relate only to the sample tested.

Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.

"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

SGS provides criteria information (such as regulatory or guideline limits and summary of limit exceedances) as a service. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. Comparison to the most current criteria is the responsibility of the client and SGS assumes no responsibility for the accuracy of the criteria levels indicated.

SGS Canada Inc. statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

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This report supersedes all previous versions

-- End of Analytical Report --

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No:038606

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# Request for Laboratory Services and CHAIN OF CUSTODY

Industries & Environment - Lakefield: 185 Concession St., Lakefield, ON KOL 2H0 Phone: 705-652-2000 Fax: 705-652-6365 Web: www.sgs.com/environment - London: 657 Consortium Court, London, ON, NGE 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361

- London: 657 Consortium Court, London, ON, N6E 2S9 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361

Laboratory Information Section - Lab use only







CA15220-MAY24 R1

18619-003

Prepared for

Cambium Inc.



### First Page

CLIENT DETAILS	S	LABORATORY DETAI	ILS
Client	Cambium Inc.	Project Specialist	Jill Campbell, B.Sc.,GISAS
		Laboratory	SGS Canada Inc.
Address	194 Sofia Street, Peterborough	Address	185 Concession St., Lakefield ON, K0L 2H0
	Canada, K9H 1E3		
	Phone: 705-742-7900. Fax:705-742-7907		
Contact	Cameron MacDougall	Telephone	2165
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile	705-742-7907	Email	jill.campbell@sgs.com
Email	cameron.macdougall@cambium-inc.com; file@cambium-inc.cc	SGS Reference	CA15220-MAY24
Project	18619-003	Received	05/23/2024
Order Number		Approved	05/30/2024
Samples	Ground Water (2)	Report Number	CA15220-MAY24 R1
		Date Reported	05/30/2024

### COMMENTS

Temperature of Sample upon Receipt: 17 degrees C

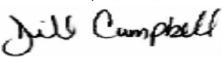
Cooling Agent Present: Yes Custody Seal Present: Yes

Chain of Custody Number: 038606

Note: Elevated TotColi reporting limit for Zephyr, and elevated Ecoli reporting limit for Zephyr and QA/QC due to excessive growth of bacteria at higher volumes.

### SIGNATORIES

Jill Campbell, B.Sc.,GISAS



SGS Canada Inc. 185 Concession St., Lakefield ON, K0L 2H0

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Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: H. Warren

MATRIX: WATER				Sample Number	9	10
				Sample Name	315 Zephyr	QA/QC
_1 = ODWS_AO_OG / WATER / Table 4 - Drinking	g Water - Reg 0.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - Dri	inking Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
General Chemistry						
Alkalinity	mg/L as CaCO3	2	500		218	
Colour	TCU	3	5		5	
Conductivity	uS/cm	2			579	
Total Dissolved Solids	mg/L	30	500		380	
Turbidity	NTU	0.10	5	1	26	
Dissolved Organic Carbon	mg/L	1	5		< 1	
Ammonia+Ammonium (N)	as N mg/L	0.1			< 0.1	
Metals and Inorganics						
Sulphate	mg/L	2	500		46	
Nitrite (as N)	as N mg/L	0.03		1	< 0.03	
Nitrate (as N)	as N mg/L	0.06		10	< 0.06	
Hardness	mg/L as CaCO3	0.05	100		291	
Calcium (total)	mg/L	0.01			84.6	
Iron (total)	mg/L	0.007	0.3		3.45	
Magnesium (total)	mg/L	0.001			19.4	
Manganese (total)	mg/L	0.00001	0.05		0.0506	
Sodium (total)	mg/L	0.01	200	20	8.87	

CA15220-MAY24 R1

Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: H. Warren

MATRIX: WATER				Sample Number	9	10
				Sample Name	315 Zephyr	QA/QC
1 = ODWS_AO_OG / WATER / Table 4 - Drinking	Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - Drin	nking Water - Reg 0.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
Microbiology						
E. Coli	cfu/100mL	0		0	< 20↑	< 20↑
Total Coliform	cfu/100mL	0		0	< 20↑	40
Total Coliform Background	cfu/100mL	0			300	
Fecal Coliform	cfu/100mL	0			0	0
Other (ORP)						
рН	No unit	0.05	8.5		8.14	
Chloride	mg/L	1	250		41	



### **EXCEEDANCE SUMMARY**

				ODWS_AO_OG / WATER / Table 4 - Drinking Water - Reg O.169_03	ODWS_MAC / WATER / Table 1,2 and 3 - Drinking Water - Reg O.169_03
Parameter	Method	Units	Result	L1	L2
5 Zephyr					
E.Coli	OMOE	cfu/100mL	< 20		0
	MICROMFDC-E3407A				
Total Coliform	OMOE	cfu/100mL	< 20		0
	MICROMFDC-E3407A				
Turbidity	SM 2130	NTU	26	5	1
Hardness	SM 3030/EPA 200.8	mg/L as CaCO3	291	100	
Iron	SM 3030/EPA 200.8	mg/L	3.45	0.3	
Manganese	SM 3030/EPA 200.8	mg/L	0.0506	0.05	

### **QA/QC**

F.O. II	OMOE	-£-/400I	. 00
E.Coli	OMOE	cfu/100mL	< 20
	MICROMFDC-E3407A		
Total Coliform	OMOE	cfu/100mL	40
	MICROMFDC-E3407A		

0

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### QC SUMMARY

**Alkalinity** 

Method: SM 2320 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	Duplicate		S/Spike Blank		M	latrix Spike / Re	ıf.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0604-MAY24	mg/L as	2	< 2	1	20	100	80	120	NA		
		CaCO3										

### Ammonia by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-007

Parameter	QC batch	Units	RL	Method	Duplicate		LC	S/Spike Blank		М	atrix Spike / Re	ī.
	Reference			Blank	RPD	AC	Spike	Recove	•	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0232-MAY24	as N mg/L	0.1	<0.1	3	10	105	90	110	92	75	125

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### QC SUMMARY

Anions by discrete analyzer

Method: US EPA 325.2 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-026

Parameter	QC batch Units		RL	Method	Dup	licate	LC	S/Spike Blank		M	atrix Spike / Re	·.
	Reference			Blank	RPD	AC	Spike	Recove	•	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Chloride	DIO8075-MAY24	mg/L	1	<1	ND	20	97	80	120	101	75	125
Sulphate	DIO8075-MAY24	mg/L	2	<2	1	20	109	80	120	95	75	125

### Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recove	-	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0553-MAY24	mg/L	0.03	<0.03	10	20	99	90	110	102	75	125
Nitrate (as N)	DIO0553-MAY24	mg/L	0.06	<0.06	2	20	97	90	110	93	75	125

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### QC SUMMARY

Carbon by SFA

Method: SM 5310 | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-009

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike Recovery	Recove	ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Dissolved Organic Carbon	SKA0221-MAY24	mg/L	1	<1	4	20	102	90	110	94	75	125

### Colour

Method: SM 2120 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0579-MAY24	TCU	3	< 3	ND	10	100	80	120	NA		

### Conductivity

Method: SM 2510 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0604-MAY24	uS/cm	2	< 2	0	20	99	90	110	NA		

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### QC SUMMARY

Metals in aqueous samples - ICP-MS

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-[ENVISPE-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Calcium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	ND	20	104	90	110	93	70	130
Iron (total)	EMS0239-MAY24	mg/L	0.007	<0.007	ND	20	104	90	110	100	70	130
Magnesium (total)	EMS0239-MAY24	mg/L	0.001	<0.001	ND	20	103	90	110	88	70	130
Manganese (total)	EMS0239-MAY24	mg/L	0.00001	<0.00001	ND	20	107	90	110	101	70	130
Sodium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	0	20	104	90	110	86	70	130

### Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-IENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dupli	cate	LC	S/Spike Blank		Ma	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Coliform Background	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
E. Coli	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Fecal Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Total Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							

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### QC SUMMARY

рΗ

Method: SM 4500 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Pa	arameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Ref	
		Reference			Blank	RPD	AC (W)	Spike		ery Limits %)	Spike Recovery	Recover	-
							(%)	Recovery (%)	Low	High	(%)	Low	High
рН		EWL0604-MAY24	No unit	0.05	NA	0		101			NA		

### Solids Analysis

Method: SM 2540C | Internal ref.: ME-CA-IENVIEWL-LAK-AN-005

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Dissolved Solids	EWL0565-MAY24	mg/L	30	<30	2	20	100	80	120	NA		

### **Turbidity**

Method: SM 2130 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-003

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Turbidity	EWL0567-MAY24	NTU	0.10	< 0.10	3	10	100	90	110	NA		

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### **QC SUMMARY**

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.

Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

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

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

**Duplicate Qualifier**: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL. **Matrix Spike Qualifier**: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.



### **LEGEND**

### **FOOTNOTES**

NSS Insufficient sample for analysis.

RL Reporting Limit.

- † Reporting limit raised.
- ↓ Reporting limit lowered.
- NA The sample was not analysed for this analyte
- ND Non Detect

Results relate only to the sample tested.

Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.

"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

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No: 038606

of

Page

# Request for Laboratory Services and CHAIN OF CUSTODY

Industries & Environment - Lakefield; 185 Concession St., Lakefield, ON K0L 240 Phone: 705-652-2000 Fax: 705-652-6365 Web: www.sgs.com/environment - London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361

	2	INVOICE INFORMATION	RMATION				On the agree of the state of th	Combe 1 -1									3	A CONTRACTOR OF THE CONTRACTOR
Company: CAMBILIM INC.	(same as Report Information)	eport Informs	ation)		Quotation #:	10	いかった	4					P.O. #:					Ď
Contact: CAM MACLOUGALL, HOLLY WITCHINGAN, WIRELN VOUNG	Generally: WAR	REN YO	pan		Project #:	186	19-0	203					Site Lo	Site Location/ID				
Address: 194 SOPHIM, PTBO	Contact:									TURN	AROUN	D TIME (	TURNAROUND TIME (TAT) REQUIRED	NINED				
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Phone:	ā				RUSH TA	RUSH TAT (Additional Charges May Apply):	al Charge	s May Ap	pply):		1 Day	2 Days	3 Days	ays 4	4 Days			
Email: Warren goung ( Campion - inc. com Email: Warren goung ( Campion - inc. com Email: Warren goung ( Campion - inc. com	rnone:			- 112	Specify Due Date	ue Date:		TI DIGITAL OF THE PARTY OF THE		*NOTE: [	DRINKING	(POTABI	E) WATEI	S SAMPLE	S FOR HU	IMAN CON	ISUMPTIO	NOTE: DRINKING (POTABLE) WATER SANDHINGS CHAIN OF CUSTODY WITH SIGN SPRINKING WATER CHAIN OF CUSTODY
REG	REGULATIONS								ANAL		REQUESTED	ESTE	Q					
O.Reg 153/04 O.Reg 406/19	Other Regulations:	tions:	Sew	Sewer By-Law:		M&I	SVOC	OC PCB	B PHC		VOC P	Pest	Other	T (please specify)	pecify)	SPLP	TCLP	
Res/Park Ind/Com Agri/Other Appx.	Reg 347/55 PWQO CCME MISA	Reg 347/558 (3 Day min TAT) PWQO MMER CCME Other: MISA	C 35 15 A	Sanitary Storm Municipality:	S	P CAI		D robonA				#	£111	- wi-	ька	Specify tests	Specify tests	
Soil Volume <a><a><a><a><a><a><a><a><a><a><a><a><a>&lt;</a></a></a></a></a></a></a></a></a></a></a></a></a>	CODWS Not Reportable 'See note	Reportable 'Se	se note		oju	вн (х	uZ'			11	Fu	_	1	000	uoi	D/O/C	_	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME	# OF BOTTLES	MATRIX	Filtered (Y/I	nci CAVI, CAV Hg pH, (B(HWS), CI, Na-water) CI, Na-water) -UII Metals Suite CP metals plus B(HWS-soil on CP Metals only s	יריכה כעורו, פאפ, און רויטי, און	VOCS It incl PAHs, ABNs, CPs Total	:1-F4 + BTEX	OCs Only	STEX only	esticides rganochlorine or specify off	17680	200 14101 200 14101	ewer Use: pecify pkg: Vater Characteriza	Seneral Extende		
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CA40189-JUN24 R1

18619-003

Prepared for

Cambium Inc.



### First Page

CLIENT DETAILS	8	LABORATORY DETAI	LS
Client	Cambium Inc.	Project Specialist	Brad Moore Hon. B.Sc
		Laboratory	SGS Canada Inc.
Address	194 Sofia Street, Peterborough	Address	185 Concession St., Lakefield ON, K0L 2H0
	Canada, K9H 1E3		
	Phone: 705-742-7900. Fax:705-742-7907		
Contact	Cameron MacDougall	Telephone	705-652-2143
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile	705-742-7907	Email	brad.moore@sgs.com
Email	cameron.macdougall@cambium-inc.com; file@cambium-inc.cc	SGS Reference	CA40189-JUN24
Project	18619-003	Received	06/26/2024
Order Number		Approved	07/02/2024
Samples	Ground Water (2)	Report Number	CA40189-JUN24 R1
		Date Reported	07/02/2024

### COMMENTS

Temperature of Sample upon Receipt: 15 degrees C

Cooling Agent Present: Yes Custody Seal Present: Yes

Chain of Custody Number: n/a

SIGNATORIES

Brad Moore Hon. B.Sc Brad Mod

SGS Canada Inc. 185 Concession St., Lakefield ON, K0L 2H0 t 705-652-2143 f 705-652-6365

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Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: Kaitlyn Yonevnitsu

MATRIX: WATER				Sample Number	9	10
				Sample Name	12759 RR 39	QA/QC
_1 = ODWS_AO_OG / WATER / Table 4 - Drinkin	ng Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - D	rinking Water - Reg 0.169_03			Sample Date	26/06/2024	26/06/2024
Parameter	Units	RL	L1	L2	Result	Result
General Chemistry						
Alkalinity	mg/L as CaCO3	2	500		190	
Colour	TCU	3	5		3	
Conductivity	uS/cm	2			502	
Total Dissolved Solids	mg/L	30	500		323	
Turbidity	NTU	0.10	5	1	22	
Dissolved Organic Carbon	mg/L	1	5		1	
Ammonia+Ammonium (N)	as N mg/L	0.1			0.2	
Metals and Inorganics						
Sulphate	mg/L	2	500		60	
Nitrite (as N)	as N mg/L	0.03		1	< 0.03	
Nitrate (as N)	as N mg/L	0.06		10	< 0.06	
Hardness	mg/L as CaCO3	0.05	100		242	
Calcium (total)	mg/L	0.01			69.1	
Iron (total)	mg/L	0.007	0.3		5.36	
Magnesium (total)	mg/L	0.001			16.9	
Manganese (total)	mg/L	0.00001	0.05		0.0986	
Sodium (total)	mg/L	0.01	200	20	6.00	

CA40189-JUN24 R1

Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: Kaitlyn Yonevnitsu

MA	TRIX: WATER				Sample Number	9	10
					Sample Name	12759 RR 39	QA/QC
L1 = (	ODWS_AO_OG / WATER / Table 4 - Drinki	ing Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
L2 =	ODWS_MAC / WATER / Table 1,2 and 3 - [	Drinking Water - Reg O.169_03			Sample Date	26/06/2024	26/06/2024
F	Parameter	Units	RL	L1	L2	Result	Result
Mic	robiology						
E	E. Coli	cfu/100mL	0		0	140	300
-	Total Coliform	cfu/100mL	0		0	300	500
-	Total Coliform Background	cfu/100mL	0			7600	
F	Fecal Coliform	cfu/100mL	0			98	
Oth	er (ORP)						
k	ρΗ	No unit	0.05	8.5		8.12	
(	Chloride	mg/L	1	250		21	



### **EXCEEDANCE SUMMARY**

Parameter	Method	Units	Result	ODWS_AO_OG / WATER / Table 4 - Drinking Water - Reg O.169_03	ODWS_MAC / WATER / Table 1,2 and 3 - Drinking Water - Reg O.169_03
12759 RR 39					
Turbidity	SM 2130	NTU	22	5	1
Hardness	SM 3030/EPA 200.8	mg/L as CaCO3	242	100	
Iron	SM 3030/EPA 200.8	mg/L	5.36	0.3	
Manganese	SM 3030/EPA 200.8	mg/L	0.0986	0.05	
Total Coliform	SM 9222	cfu/100mL	300		0
E.Coli	SM 9222D	cfu/100mL	140		0
QA/QC					
Total Coliform	SM 9222	cfu/100mL	500		0
E.Coli	SM 9222D	cfu/100mL	300		0

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#### QC SUMMARY

**Alkalinity** 

Method: SM 2320 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Re	ıf.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0631-JUN24	mg/L as	2	< 2	0	20	104	80	120	NA		
		CaCO3										

#### Ammonia by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-007

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Re	
	Reference			Blank	RPD	AC	Spike	Recove	•	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0242-JUN24	as N mg/L	0.1	<0.1	2	10	102	90	110	104	75	125

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#### QC SUMMARY

Anions by discrete analyzer

Method: US EPA 325.2 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-026

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		M	latrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Chloride	DIO8081-JUN24	mg/L	1	<1	1	20	97	80	120	102	75	125
Sulphate	DIO8081-JUN24	mg/L	2	<2	1	20	107	80	120	104	75	125

#### Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		M	atrix Spike / Ref	f.
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0595-JUN24	mg/L	0.03	<0.03	NV	20	98	90	110	NV	75	125
Nitrate (as N)	DIO0595-JUN24	mg/L	0.06	<0.06	NV	20	100	90	110	NV	75	125

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#### QC SUMMARY

Carbon by SFA

Method: SM 5310 | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-009

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	I.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Dissolved Organic Carbon	SKA0247-JUN24	mg/L	1	<1	1	20	98	90	110	92	75	125

#### Colour

Method: SM 2120 | Internal ref.: ME-CA-IENVIEWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	RPD AC (%)			ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0644-JUN24	TCU	3	< 3	0	10	110	80	120	NA		

#### Conductivity

Method: SM 2510 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0631-JUN24	uS/cm	2	< 2	0	20	99	90	110	NA		

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#### QC SUMMARY

Metals in aqueous samples - ICP-MS

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-[ENVISPE-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Du	plicate	LC	S/Spike Blank		М	atrix Spike / Ref	f.
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery		ry Limits %)
Calaires (tatal)						(%)	Recovery (%)	Low	High	(%)	Low	High
Calcium (total)	EMS0254-JUN24	mg/L	0.01	<0.01	ND	20	96	90	110	94	70	130
Iron (total)	EMS0254-JUN24	mg/L	0.007	<0.007	ND	20	101	90	110	75	70	130
Magnesium (total)	EMS0254-JUN24	mg/L	0.001	<0.001	0	20	100	90	110	97	70	130
Manganese (total)	EMS0254-JUN24	mg/L	0.00001	<0.00001	ND	20	100	90	110	103	70	130
Sodium (total)	EMS0254-JUN24	mg/L	0.01	<0.01	ND	20	99	90	110	97	70	130

#### Microbiology

Method: SM 9222 | Internal ref.: ME-CA-[ENVIMIC-LAK-AN-003

Parameter	QC batch	Units	RL	Method	Dupli	cate	LC	S/Spike Blank		Ма	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery		ery Limits %)
						ACCEPTE	Recovery (%)	Low	High	(%)	Low	High
Total Coliform Background	BAC9439-JUN24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
E. Coli	BAC9439-JUN24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Fecal Coliform	BAC9439-JUN24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Total Coliform	BAC9439-JUN24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							

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#### QC SUMMARY

pН

Method: SM 4500 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference	erence		Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
рН	EWL0631-JUN24	No unit	0.05	NA	1		100			NA		

#### Solids Analysis

Method: SM 2540C | Internal ref.: ME-CA-IENVIEWL-LAK-AN-005

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	I.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Dissolved Solids	EWL0664-JUN24	mg/L	30	<30	ND	20	101	80	120	NA		

#### **Turbidity**

Method: SM 2130 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-003

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Turbidity	EWL0628-JUN24	NTU	0.10	< 0.10	1	10	99	90	110	NA		



#### **QC SUMMARY**

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Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

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

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

Duplicate Qualifier: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.

Matrix Spike Qualifier: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.



#### **LEGEND**

#### **FOOTNOTES**

NSS Insufficient sample for analysis.

RL Reporting Limit.

- † Reporting limit raised.
- ↓ Reporting limit lowered.
- NA The sample was not analysed for this analyte
- ND Non Detect

Results relate only to the sample tested.

Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.

"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

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No:038606

Request for Laboratory Services and CHAIN OF CUSTODY Industries & Environment - Lakefield: 185 Concession St., Lakefield, ON K0L 240 Phone: 705-652-2000 Fax: 705-652-6365 Web: www.sgs.com/environment - London: 657 Consortium Court London ON INEE 388 Bhome 640 £77 ARM TAILED ON 1900 FOR THE FAMILY OF 1900 FOR THE FAMILY

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1: 657 Consortium Court, London, ON, NGE 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361	

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Company: Challium INC	(same as Report Information)	rt Information	5. <b>ال</b>		Quotation #: 2	7000	19-67	-003			P.C.	P.O. #: Site Location/ID:	uz o	S Produced	
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CA15222-MAY24 R1

18619-003

Prepared for

Cambium Inc.



#### First Page

CLIENT DETAILS	S	LABORATORY DETA	ILS
Client	Cambium Inc.	Project Specialist	Jill Campbell, B.Sc.,GISAS
		Laboratory	SGS Canada Inc.
Address	194 Sofia Street, Peterborough	Address	185 Concession St., Lakefield ON, K0L 2H0
	Canada, K9H 1E3		
	Phone: 705-742-7900. Fax:705-742-7907		
Contact	Cameron MacDougall	Telephone	2165
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile	705-742-7907	Email	jill.campbell@sgs.com
Email	cameron.macdougall@cambium-inc.com; file@cambium-inc.cc	SGS Reference	CA15222-MAY24
Project	18619-003	Received	05/23/2024
Order Number		Approved	05/29/2024
Samples	Ground Water (2)	Report Number	CA15222-MAY24 R1
		Date Reported	05/29/2024

#### COMMENTS

Temperature of Sample upon Receipt: 17 degrees C

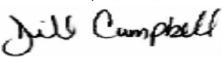
Cooling Agent Present: Yes Custody Seal Present: Yes

Chain of Custody Number: 038606

Note: Elevated Ecoli reporting limit for 12840 and QA/QC due to excessive growth of bacteria at higher volumes.

#### SIGNATORIES

Jill Campbell, B.Sc.,GISAS





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Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: K. Yonemitsa

MATRIX: WATER				Sample Number	9	10
				Sample Name	12840 RR39	QA/QC
_1 = ODWS_AO_OG / WATER / Table 4 - Drinkir	ing Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - [	Drinking Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
General Chemistry						
Alkalinity	mg/L as CaCO3	2	500		284	
Colour	TCU	3	5		7	
Conductivity	uS/cm	2			1080	
Total Dissolved Solids	mg/L	30	500		663	
Turbidity	NTU	0.10	5	1	43	
Dissolved Organic Carbon	mg/L	1	5		< 1	
Ammonia+Ammonium (N)	as N mg/L	0.1			< 0.1	
Metals and Inorganics						
Sulphate	mg/L	2	500		61	
Nitrite (as N)	as N mg/L	0.03		1	0.04	
Nitrate (as N)	as N mg/L	0.06		10	0.36	
Hardness	mg/L as CaCO3	0.05	100		373	
Calcium (total)	mg/L	0.01			112	
Iron (total)	mg/L	0.007	0.3		10.9	
Magnesium (total)	mg/L	0.001			22.6	
Manganese (total)	mg/L	0.00001	0.05		0.0301	
Sodium (total)	mg/L	0.01	200	20	76.6	



Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: K. Yonemitsa

MATRIX: WATER				Sample Number	9	10
				Sample Name	12840 RR39	QA/QC
1 = ODWS_AO_OG / WATER / Table 4 - Drinking	Water - Reg O.169_03			Sample Matrix	Ground Water	Ground Water
2 = ODWS_MAC / WATER / Table 1,2 and 3 - Dri	inking Water - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
Microbiology						
E. Coli	cfu/100mL	0		0	< 20↑	< 20↑
Total Coliform	cfu/100mL	0		0	80	60
Total Coliform Background	cfu/100mL	0			740	
Fecal Coliform	cfu/100mL	0			0	0
Other (ORP)						
рН	No unit	0.05	8.5		8.08	
Chloride	mg/L	1	250		180	



#### **EXCEEDANCE SUMMARY**

				ODWS_AO_OG / WATER / Table 4 - Drinking Water - Reg O.169_03	ODWS_MAC / WATER / Table 1,2 and 3 - Drinking Water - Reg O.169_03
Parameter	Method	Units	Result	L1	L2
12840 RR39					
E.Coli	ОМОЕ	cfu/100mL	< 20		0
	MICROMFDC-E3407A				
Total Coliform	OMOE	cfu/100mL	80		0
	MICROMFDC-E3407A				
Colour	SM 2120	TCU	7	5	
Turbidity	SM 2130	NTU	43	5	1
Total Dissolved Solids	SM 2540C	mg/L	663	500	
Hardness	SM 3030/EPA 200.8	mg/L as CaCO3	373	100	
Iron	SM 3030/EPA 200.8	mg/L	10.9	0.3	
Sodium	SM 3030/EPA 200.8	mg/L	76.6		20
QA/QC					
E.Coli	OMOE	cfu/100mL	< 20		0
	MICROMFDC-E3407A				
Total Coliform	OMOE	cfu/100mL	60		0
	MICROMFDC-E3407A				

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#### QC SUMMARY

**Alkalinity** 

Method: SM 2320 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		M	latrix Spike / Re	ıf.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0604-MAY24	mg/L as	2	< 2	1	20	100	80	120	NA		
		CaCO3										

#### Ammonia by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-007

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		М	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0245-MAY24	as N mg/L	0.1	<0.1	ND	10	92	90	110	98	75	125

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#### QC SUMMARY

Anions by discrete analyzer

Method: US EPA 325.2 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-026

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		M	atrix Spike / Re	·.
	Reference			Blank	RPD	AC	Spike	Recove	•	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Chloride	DIO8075-MAY24	mg/L	1	<1	ND	20	97	80	120	101	75	125
Sulphate	DIO8075-MAY24	mg/L	2	<2	1	20	109	80	120	95	75	125

#### Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dup	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recove	-	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0553-MAY24	mg/L	0.03	<0.03	10	20	99	90	110	102	75	125
Nitrate (as N)	DIO0553-MAY24	mg/L	0.06	<0.06	2	20	97	90	110	93	75	125

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#### QC SUMMARY

Carbon by SFA

Method: SM 5310 | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-009

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Dissolved Organic Carbon	SKA0221-MAY24	mg/L	1	<1	4	20	102	90	110	94	75	125

#### Colour

Method: SM 2120 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		М	atrix Spike / Ref	f.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0579-MAY24	TCU	3	< 3	ND	10	100	80	120	NA		

#### Conductivity

Method: SM 2510 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0604-MAY24	uS/cm	2	< 2	0	20	99	90	110	NA		



#### QC SUMMARY

Metals in aqueous samples - ICP-MS

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-[ENVISPE-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery		ry Limits 6)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Calcium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	ND	20	104	90	110	93	70	130
Iron (total)	EMS0239-MAY24	mg/L	0.007	<0.007	ND	20	104	90	110	100	70	130
Magnesium (total)	EMS0239-MAY24	mg/L	0.001	<0.001	ND	20	103	90	110	88	70	130
Manganese (total)	EMS0239-MAY24	mg/L	0.00001	<0.00001	ND	20	107	90	110	101	70	130
Sodium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	0	20	104	90	110	86	70	130

#### Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-IENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dupli	cate	LC	S/Spike Blank		Ма	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Coliform Background	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
E. Coli	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Fecal Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Total Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							



#### QC SUMMARY

рΗ

Method: SM 4500 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Ref	•
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
рН	EWL0604-MAY24	No unit	0.05	NA	0		101			NA		

#### Solids Analysis

Method: SM 2540C | Internal ref.: ME-CA-IENVIEWL-LAK-AN-005

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	latrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Dissolved Solids	EWL0565-MAY24	mg/L	30	<30	2	20	100	80	120	NA		

#### **Turbidity**

Method: SM 2130 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-003

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Turbidity	EWL0567-MAY24	NTU	0.10	< 0.10	3	10	100	90	110	NA		

CA15222-MAY24 R1

#### **QC SUMMARY**

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.

Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

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

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

**Duplicate Qualifier**: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL. **Matrix Spike Qualifier**: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.



#### **LEGEND**

#### **FOOTNOTES**

NSS Insufficient sample for analysis.

RL Reporting Limit.

- † Reporting limit raised.
- ↓ Reporting limit lowered.
- NA The sample was not analysed for this analyte
- ND Non Detect

Results relate only to the sample tested.

Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.

"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

SGS provides criteria information (such as regulatory or guideline limits and summary of limit exceedances) as a service. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. Comparison to the most current criteria is the responsibility of the client and SGS assumes no responsibility for the accuracy of the criteria levels indicated.

SGS Canada Inc. statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

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-- End of Analytical Report --

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Request for Laboratory Services and CHAIN OF CUSTODY
Industries & Environment - Lakefield: 185 Concession St., Lakefield, ON K0L 2H0 Phone: 705-652-2000 Fax: 705-652-6365 Web: www.sgs.com/environment

- London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free; 877-848-8060 Fax: 519-672-0361

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Phone:	Phone:	7. Q.			RUSH TA	RUSH TAT (Additional Charges May Apply):	al Charge	SIBILITY	ply): WITH SG	REPRE	SENTAT	2 Days [	1 Day 2 Days 3 Days Days	☐4 Days			
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REGL	REGULATIONS								ANALYSIS REQUESTE	SIS R	EQUE	STED					
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Table 1 Res/Park Soil Texture:  Table 2 'T Ind/Com Coarse  Table 3 Agri/Other Medium/Fine	Reg 347/558 (3 Day min TAT)	3 (3 Day min T/	ž	Sanitary Storm Municipality:		1 2 1	no fata	Odor				丰井	40	rgi Glew Samath Property C	6)	Specify Specificates tasts	
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SAMPLE IDENTIFICATION	DATE	TIME # OF SAMPLED BOTTLES	# OF BOTTLES	MATRIX	Field Filtered ()	Indi CAVI, CM, Hg PH, (Bi(HM (Cl. Me-water) Full Metals Su ICP metals plus Bi(HWS-so ICP Metals on I	UCP Metals only cr.co.cu.pp.Mo.Ni.se.Ag.T cr.co.cu.pp.Mo.Ni.se.Ag.T	SVOCS Bil Inci PAHS, ABUS, CPS TOTAL	F1-F4 + BTEX	VOCS NO BIEX SI INCI BIEX	BTEX only	Organochilorine or specify	निका गरावा	Sewer Use: Sewer Use:	Water Characteri	Coc Ches	
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CA15225-MAY24 R1

18619-003

Prepared for

Cambium Inc.



#### First Page

CLIENT DETAILS	8	LABORATORY DETAI	LS
Client	Cambium Inc.	Project Specialist	Jill Campbell, B.Sc.,GISAS
		Laboratory	SGS Canada Inc.
Address	194 Sofia Street, Peterborough	Address	185 Concession St., Lakefield ON, K0L 2H0
	Canada, K9H 1E3		
	Phone: 705-742-7900. Fax:705-742-7907		
Contact	Cameron MacDougall	Telephone	2165
Telephone	705-742-7900	Facsimile	705-652-6365
Facsimile	705-742-7907	Email	jill.campbell@sgs.com
Email	cameron.macdougall@cambium-inc.com; file@cambium-inc.cc	SGS Reference	CA15225-MAY24
Project	18619-003	Received	05/23/2024
Order Number		Approved	05/29/2024
Samples	Ground Water (2)	Report Number	CA15225-MAY24 R1
		Date Reported	05/29/2024

#### COMMENTS

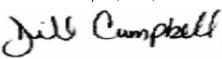
Temperature of Sample upon Receipt: 17 degrees C

Cooling Agent Present: Yes Custody Seal Present: Yes

Chain of Custody Number: 038606

#### SIGNATORIES

Jill Campbell, B.Sc.,GISAS







#### **TABLE OF CONTENTS**

First Page	1-2
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QC Summary	7-12
Legend	13
Annexes	14



Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: K. Yonemitsa

MATRIX: WATER			:	Sample Number	9	10
				Sample Name	12897 RR39	QA/QC
L1 = ODWS_AO_OG / WATER / Table 4 - Drinking Water - Re	eg O.169_03			Sample Matrix	Ground Water	Ground Water
.2 = ODWS_MAC / WATER / Table 1,2 and 3 - Drinking Wate	er - Reg O.169_03			Sample Date	23/05/2024	23/05/2024
Parameter	Units	RL	L1	L2	Result	Result
General Chemistry						
Alkalinity	mg/L as CaCO3	2	500		223	
Colour	TCU	3	5		5	
Conductivity	uS/cm	2			574	
Total Dissolved Solids	mg/L	30	500		377	
Turbidity	NTU	0.10	5	1	8.1	
Dissolved Organic Carbon	mg/L	1	5		< 1	
Ammonia+Ammonium (N)	as N mg/L	0.1			0.3	
Vetals and Inorganics				'		
Sulphate	mg/L	2	500		40	
Nitrite (as N)	as N mg/L	0.03		1	< 0.03	
Nitrate (as N)	as N mg/L	0.06		10	< 0.06	
	mg/L as CaCO3	0.05	100		267	
Calcium (total)	mg/L	0.01			69.5	
Iron (total)	mg/L	0.007	0.3		1.64	
Magnesium (total)	mg/L	0.001	0.0		22.8	
			0.05		0.0985	
Manganese (total)		0.00001				
Sodium (total)	mg/L	0.01	200	20	18.1	

SGS

Client: Cambium Inc.

Project: 18619-003

Project Manager: Cameron MacDougall

Samplers: K. Yonemitsa

MATDIY	: WATER				Sample Number	9	10
IVIATRIA	WATER			•	Sample Name		QA/QC
14 00,40	AO OO (WATER / Table / Driebie	Webs - Bes 0 400 00			Sample Matrix		Ground Water
	AO_OG / WATER / Table 4 - Drinkin				Sample Date		23/05/2024
	MAC / WATER / Table 1,2 and 3 - Di		DI.	14	L2		
Parame		Units	RL	L1	LZ	Result	Result
Microbio	logy						
E. Coli		cfu/100mL	0		0	0	0
Total C	Coliform	cfu/100mL	0		0	0	0
Total C	Coliform Background	cfu/100mL	0			0	
Fecal (	Coliform	cfu/100mL	0			0	0
Other (O	PRP)						
рН		No unit	0.05	8.5		8.19	
Chlorid	de	mg/L	1	250		42	



#### **EXCEEDANCE SUMMARY**

#### 12897 RR39

Turbidity	SM 2130	NTU	8.1	5	1
Hardness	SM 3030/EPA 200.8	mg/L as CaCO3	267	100	
Iron	SM 3030/EPA 200.8	mg/L	1.64	0.3	
Manganese	SM 3030/EPA 200.8	mg/L	0.0985	0.05	

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#### QC SUMMARY

**Alkalinity** 

Method: SM 2320 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	Duplicate		S/Spike Blank		M	latrix Spike / Re	ıf.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Alkalinity	EWL0604-MAY24	mg/L as	2	< 2	1	20	100	80	120	NA		
		CaCO3										

#### Ammonia by SFA

Method: SM 4500 | Internal ref.: ME-CA-IENVISFA-LAK-AN-007

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		М	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Ammonia+Ammonium (N)	SKA0232-MAY24	as N mg/L	0.1	<0.1	3	10	105	90	110	92	75	125

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#### QC SUMMARY

Anions by discrete analyzer

Method: US EPA 325.2 | Internal ref.: ME-CA-[ENVIEWL-LAK-AN-026

Parameter			RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Re	:
	Reference			Blank	RPD	AC	Spike	Recove	•	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Chloride	DIO8075-MAY24	mg/L	1	<1	ND	20	97	80	120	101	75	125
Sulphate	DIO8075-MAY24	mg/L	2	<2	1	20	109	80	120	95	75	125

#### Anions by IC

Method: EPA300/MA300-lons1.3 | Internal ref.: ME-CA-[ENV]IC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dup	licate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Nitrite (as N)	DIO0553-MAY24	mg/L	0.03	<0.03	10	20	99	90	110	102	75	125
Nitrate (as N)	DIO0553-MAY24	mg/L	0.06	<0.06	2	20	97	90	110	93	75	125

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#### QC SUMMARY

Carbon by SFA

Method: SM 5310 | Internal ref.: ME-CA-[ENV]SFA-LAK-AN-009

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference		Blank	RPD	AC	Spike	Recove	ry Limits %)	Spike Recovery	Recover	-	
						(%)	Recovery (%)	Low	High	(%)	Low	High
Dissolved Organic Carbon	SKA0221-MAY24	mg/L	1	<1	4	20	102	90	110	94	75	125

#### Colour

Method: SM 2120 | Internal ref.: ME-CA-IENVIEWL-LAK-AN-002

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		М	atrix Spike / Ref	f.
	Reference			Blank	RPD	AC Spike (%) Recovery			ery Limits %)	Spike Recovery	Recove	ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Colour	EWL0579-MAY24	TCU	3	< 3	ND	10	100	80	120	NA		

#### Conductivity

Method: SM 2510 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Conductivity	EWL0604-MAY24	uS/cm	2	< 2	0	20	99	90	110	NA		



#### QC SUMMARY

Metals in aqueous samples - ICP-MS

Method: SM 3030/EPA 200.8 | Internal ref.: ME-CA-[ENVISPE-LAK-AN-006

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		М	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike	Recover	•	Spike Recovery		ry Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Calcium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	ND	20	104	90	110	93	70	130
Iron (total)	EMS0239-MAY24	mg/L	0.007	<0.007	ND	20	104	90	110	100	70	130
Magnesium (total)	EMS0239-MAY24	mg/L	0.001	<0.001	ND	20	103	90	110	88	70	130
Manganese (total)	EMS0239-MAY24	mg/L	0.00001	<0.00001	ND	20	107	90	110	101	70	130
Sodium (total)	EMS0239-MAY24	mg/L	0.01	<0.01	0	20	104	90	110	86	70	130

#### Microbiology

Method: OMOE MICROMFDC-E3407A | Internal ref.: ME-CA-IENVIMIC-LAK-AN-001

Parameter	QC batch	Units	RL	Method	Dupli	cate	LC	S/Spike Blank		Ма	atrix Spike / Re	f.
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery		ery Limits %)
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Coliform Background	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
E. Coli	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Fecal Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							
Total Coliform	BAC9389-MAY24	cfu/100mL	-	ACCEPTED	ACCEPTE							
					D							



#### QC SUMMARY

рΗ

Method: SM 4500 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-006

Pa	arameter	QC batch	3-5-1		S/Spike Blank		М	atrix Spike / Ref					
		Reference			Blank	RPD	AC (W)	Spike		ery Limits %)	Spike Recovery	Recover	-
							(%)	Recovery (%)	Low	High	(%)	Low	High
рН		EWL0604-MAY24	No unit	0.05	NA	0		101			NA		

#### Solids Analysis

Method: SM 2540C | Internal ref.: ME-CA-IENVIEWL-LAK-AN-005

Parameter	QC batch	Units	RL	Method	Duj	plicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ry Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Total Dissolved Solids	EWL0565-MAY24	mg/L	30	<30	2	20	100	80	120	NA		

#### **Turbidity**

Method: SM 2130 | Internal ref.: ME-CA-[ENV]EWL-LAK-AN-003

Parameter	QC batch	Units	RL	Method	Duj	olicate	LC	S/Spike Blank		M	atrix Spike / Ref	
	Reference			Blank	RPD	AC	Spike		ery Limits %)	Spike Recovery	Recover	-
						(%)	Recovery (%)	Low	High	(%)	Low	High
Turbidity	EWL0567-MAY24	NTU	0.10	< 0.10	3	10	100	90	110	NA		



#### **QC SUMMARY**

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.

Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

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

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

Duplicate Qualifier: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.

Matrix Spike Qualifier: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.





#### **LEGEND**

#### **FOOTNOTES**

NSS Insufficient sample for analysis.

RL Reporting Limit.

- † Reporting limit raised.
- ↓ Reporting limit lowered.
- NA The sample was not analysed for this analyte
- ND Non Detect

Results relate only to the sample tested.

Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.

"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.

Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

SGS provides criteria information (such as regulatory or guideline limits and summary of limit exceedances) as a service. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. Comparison to the most current criteria is the responsibility of the client and SGS assumes no responsibility for the accuracy of the criteria levels indicated.

SGS Canada Inc. statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

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This report supersedes all previous versions.

-- End of Analytical Report --

20240529 13 / 14

No:038606

# Request for Laboratory Services and CHAIN OF CUSTODY

Industries & Environment - Lakefield: 185 Concession St., Lakefield, ON KOL 2H0 Phone: 705-652-7000 Fax: 705-652-6365 Web: www.sgs.com/environment - London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free. 877-448-8060 Fax: 519-672-0361

Laboratory Information Section - Lab use only				Labe	Laboratory Information Section - Lab use only	rmations	· HODDe	Lab use	oniv					MAN PARTIES			
MAY, 23 2026 (mm/dd/yy)	ار	Received By (signature): Custody Seal Present: Yes	(signature): _	人位	Some	Cooling A	Cooling Agent Present:	t Yes 7	. \2	Type:	1CE	1,1					
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