



**CERTIFICATE OF ANALYSIS**

<b>Work Order</b>	: <b>YL2500440</b>	<b>Laboratory</b>	: ALS Environmental - Yellowknife
<b>Client</b>	: <b>Akokli Construction Ltd.</b>	<b>Account Manager</b>	: Jerry Holzbecher
<b>Contact</b>	: Peter Cullinane	<b>Address</b>	: 102-487 Range Lake Road Yellowknife NT Canada X1A 3R9
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<b>Project</b>	: ----	<b>Date Samples Received</b>	: 18-Jun-2025 13:29
<b>PO</b>	: ----	<b>Date Analysis Commenced</b>	: 20-Jun-2025
<b>C-O-C number</b>	: ----	<b>Issue Date</b>	: 20-Jun-2025 18:04
<b>Sampler</b>	: ----		
<b>Site</b>	: ----		
<b>Quote number</b>	: YL25-AKCO100-001		
<b>No. of samples received</b>	: 3		
<b>No. of samples analysed</b>	: 3		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

**Signatories**

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Harpreet Chawla		Metals, Calgary, Alberta
Joshua Stessun		Organics, Calgary, Alberta
Stephanie Korol		Organics, Calgary, Alberta



## General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key: CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.  
LOR: Limit of Reporting (detection limit).

<i>Unit</i>	<i>Description</i>
mg/L	milligrams per litre
µg/L	micrograms per litre

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.



## Analytical Results

Sub-Matrix: Water  
 (Matrix: Water)

					Client sample ID	Berm 2	Berm 3	Berm 4	----	----
					Client sampling date / time	17-Jun-2025 12:30	17-Jun-2025 12:45	17-Jun-2025 13:00	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit	YL2500440-001	YL2500440-002	YL2500440-003	----	----	
					Result	Result	Result	----	----	
<b>Total Metals</b>										
Lead, total	7439-92-1	E420/CG	0.000050	mg/L	0.000066	<0.000050	0.000062	----	----	
<b>Aggregate Organics</b>										
Oil & grease (gravimetric)	----	E567/CG	5.0	mg/L	<5.0	<5.0	<5.0	----	----	
<b>Volatile Organic Compounds [Fuels]</b>										
Benzene	71-43-2	E611A/CG	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Ethylbenzene	100-41-4	E611A/CG	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611A/CG	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Styrene	100-42-5	E611A/CG	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Toluene	108-88-3	E611A/CG	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
Xylene, m+p-	179601-23-1	E611A/CG	0.40	µg/L	<0.40	<0.40	<0.40	----	----	
Xylene, o-	95-47-6	E611A/CG	0.30	µg/L	<0.30	<0.30	<0.30	----	----	
Xylenes, total	1330-20-7	E611A/CG	0.50	µg/L	<0.50	<0.50	<0.50	----	----	
BTEX, total	----	E611A/CG	1.0	µg/L	<1.0	<1.0	<1.0	----	----	
<b>Volatile Organic Compounds Surrogates</b>										
Bromofluorobenzene, 4-	460-00-4	E611A/CG	1.0	%	90.8	89.3	87.2	----	----	
Difluorobenzene, 1,4-	540-36-3	E611A/CG	1.0	%	99.9	100	99.5	----	----	

Please refer to the General Comments section for an explanation of any qualifiers detected.