



DELTA ENGINEERING LTD

Hazardous Building Material Assessment – Blueberry Patch, Inuvik, NT



Inuvialuit Regional Corporation
107 MacKenzie Rd
Inuvik, NT
X0E 0A5

Delta Engineering Ltd.
160 Ponderosa Pl
Penticton, BC
V2A 7Y8

July 10th, 2026

Delta Engineering Ltd.
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Contents

1. Introduction 3

1.1 Scope of Work 3

1.2 Observations 3

2. Methodology..... 4

3. Results..... 4

3.1 Asbestos Containing Materials 4

3.2 Lead Containing Paints..... 5

3.3 Polychlorinated Biphenyls (PCBs)..... 5

3.4 Mercury Containing Switches 5

3.5 Other Hazardous Materials..... 5

4. Considerations 6

4.1 Volume Estimates..... 6

5. Closure..... 7

6. Appendices 8

Appendix A: Red 4-Plex Site Photos 9

Appendix B: Blue 8-Plex Site Photos 18

Appendix C: Red 4-Plex and Garage Site Photos 34

Appendix D: Laboratory Report – Red 4 Plex and Blue 8 Plex 40

Appendix E: Laboratory Report – Red 4 Plex and Garage Unit 56

1. Introduction

Delta Engineering Ltd. (Delta) has been retained by the Inuvialuit Regional Corporation (IRC) to perform a hazardous material building assessment (HBMA) on three (3) residential housing units located at the Blueberry Patch in Inuvik, NT. The Blueberry Patch lies latitudinally between Inuit and Kugmallit Rd and longitudinally between Raven and Centennial St.

The assessment of the blue 8-plex and red 4-plex buildings were performed on March 20th, 2026, by Delta's Robert Johnson, P. Eng, and Energy North's Dan Aitken. The assessment of the red 4-plex and garage unit was performed on June 28th, 2026, by Delta's Dillon Johnson, and Robert Johnson, P. Eng.

The purpose of the assessment was to collect samples for testing of asbestos containing materials (friable and non-friable), lead containing paints (leaching and non-leaching), polychlorinated biphenyls (PCB), mercury switches, and other hazardous chemicals. Findings from this assessment were used to compile a detailed hazardous materials inventory that will help facilitate safe management and abatement prior to building demolition and disposal.

1.1 Scope of Work

Delta's site inspection scope of work included collecting photographs and disturbed samples of potential:

- Asbestos containing materials;
- Lead containing paints;
- Polychlorinated biphenyls;
- Mercury containing switches;
- Other hazardous materials including but not limited to radioactive materials, ozone depleting materials and urea-formaldehyde insulation.

Delta's testing and reporting scope of work included:

- Sending samples to a licensed facility for hazardous materials analysis;
- Preparing a HBMA report outlining observations, methodology, test results, findings, and photographs;
- Providing locations of hazardous material sources and estimates of hazardous material volumes located on site.

1.2 Observations

The red 4-plex, composed of addresses located at 21, 23, 25 and 27 Inuit Rd, was found to possess a 2,400-sqft footprint, and consisted of four, 2-storey townhomes containing 3 upstairs bedrooms and a 4 ft crawl space in each unit. The building appears to have undergone uncompleted demolition of the interior drywalls and insulation. When Delta conducted a site inspection on March 20th, much of the interior drywall material around the perimeter of the building was obstructed from view due to ground snow. On June 28th, Delta observed a large amount of the interior drywall that had previously been removed laying around the outside perimeter of the building. In addition, steel

chains were observed connecting load bearing beams inside the 4-plex building. Refer to Appendix A for photographs. The building is in a state of failure.

The blue 8-plex, composed of addresses located at 5, 7, 9, 11, 13, 15, 17 and 19 Inuit Rd, was found to possess a 4,800-sqft footprint, and consisted of eight, 2-storey apartments containing 3 upstairs bedrooms and a 4 ft tall crawl space in each unit. The building is largely undisturbed with roughly 100% of existing materials still on site. The building does not possess access stairs, and 2 units possessed fire damage. The building is in a state of failure.

The red 4-plex and garage, composed of addresses located at 5, 7, 9, and 11 Raven St, was found to possess a 2,400-sqft footprint, and consisted of four, 2-storey townhomes containing 3 upstairs bedrooms and a 4 ft crawl space in each unit. The garage unit possesses a 1,150 sqft footprint centered on a gravel pad.

2. Methodology

The site inspection was conducted under the guidance and leadership of Robert Johnson, a professional engineer registered in the Northwest Territories. Prior to the inspection, Robert assessed and mitigated potential hazards before authorizing the structures for entry.

Site inspections began on the first floor of each unit before moving to the second floor and finishing in the crawl space. Samples were collected from the drywall mud, piping insulation, elbow piping insulation, tile flooring, mastic flooring, rooftop asphalt shingles, exterior sideboard skirting, crawl space boarding, and interior paint. Samples were deemed representative upon final inspection.

Appropriate personal protective equipment was donned by personnel while collecting disturbed samples from suspected hazardous sources. Disturbed sample locations were covered with adhesive tape after inspection. This was intended to mitigate the risk of releasing hazardous materials into the environment after the assessment was completed.

Disturbed samples were numbered and labelled in accordance with Delta's internal cataloguing system. Photos were taken of each sample location. Samples were sent to a licensed testing facility for analysis.

3. Results

3.1 Asbestos Containing Materials

Asbestos containing materials were found to be present in all three buildings. ACM concentrations have been summarized in the table below.

The red 4-plex was found to contain ACMs in the drywall mud, elbow insulation and exterior sideboard skirting. Please refer to Appendix A for site photos and Appendix D for laboratory results.

The blue 8-plex was found to contain ACMs in the drywall mud, elbow insulation, exterior sideboard skirting and crawlspace fiber boarding. Please refer to Appendix B for site photos and Appendix D and E for laboratory results.

The red 4-plex and garage was found to contain ACMs in the exterior sideboard skirting and elbow piping insulation. Please refer to Appendix C for site photos and Appendix E for laboratory results.

Table 1: ACM Concentration Table

Building Type	Sample Description	Asbestos Type	Conc. by DW (%)
Red 4-plex	Drywall mud	Chrysotile (non-friable)	1 – 5
	Board siding – skirting	Chrysotile (non-friable)	30 – 40
	Pipe insulation - crawlspace	Chrysotile (friable)	5 – 10
Blue 8-plex	Drywall mud	Chrysotile (non-friable)	1 – 5
	Board siding – skirting	Chrysotile (non-friable)	30 – 40
	Pipe insulation - crawlspace	Chrysotile (friable)	5 – 10
	Board - crawlspace	Chrysotile (non-friable)	30 – 40
Red 4-plex + garage	Board siding – skirting	Chrysotile (non-friable)	30 – 40
	Pipe Insulation	Chrysotile (friable)	10 – 20

3.2 Lead Containing Paint

Lead containing paint was found to be present in two locations, that being the wall and ceiling paint of the blue 8-plex as well the garage units interior wall paint. Concentrations and leachability results are summarized in the table below.

Table 2: Lead Concentration and Leachability Table

Building Type	Sample Description	Conc. (mg/kg)	TCLP (mg/L)
Blue 8-plex	Interior wall and ceiling paint	628	0.064
Garage unit	Interior wall paint	219	< 0.010

3.3 Polychlorinated Biphenyls (PCBs)

No locations warranted sampling at either site for PCB testing.

3.4 Mercury Containing Switches

No locations warranted sampling at either site for mercury testing.

3.5 Other Hazardous Materials

Additional heavy metals were identified in the lead paint collected from the blue 8-plex and red 4-plex buildings. Leachability results are provided in the Energy North Construction report in Appendix D. Extensive water damage was identified throughout both the blue 8-plex and red 4-plex, resulting in widespread mold growth across interior wall cavities, ceilings, and subflooring.

4. Considerations

This report has been created to provide information regarding existing hazardous materials on site that require special considerations prior to removal and disposal. Delta recommends that any company who may be contracted to perform demolition at this location notify Workers Safety (WSCC), the Town of Inuvik, the Inuvik Hospital, and local emergency services prior to removing any hazardous materials that have been identified in this report. Hazardous material abatement must be performed under the guidance of a licensed professional. Due to the existing condition of the red 4-plex and blue 8-plex, a licensed structural engineer is required to assess the buildings prior to access.

Due to the varying friability and locations of the identified ACMs, abatement work must be segmented into distinct risk classifications: High-Risk Operations (Crawl Space Pipe & Elbow Insulation), Moderate-Risk Operations (Drywall Joint Compound & Debris), and Low-to-Moderate Risk Operations (Exterior Board Siding).

While the paint coatings exhibit low leachability (TCLP) for disposal, the total lead concentration at the 8-plex building (628 mg/kg) is sufficient to generate toxic airborne dust during mechanical demolition. Controlled wet-demolition practices and worker handwashing stations are recommended.

All ACM and co-contaminated waste must be double-bagged in labeled, 6-mil polyethylene bags, securely sealed, and transported via a licensed carrier under a strict hazardous waste manifest system to an approved hazardous waste landfill.

4.1 Volume Estimates

Volume estimates for asbestos containing materials presented in this report have been given as in-situ estimates and do not represent the expected post abatement volume including void space.

Table 3: ACM In-situ Volume Estimates

Building Type	Sample Description	Asbestos Type	Volume (m ³)
Red 4-plex	Drywall mud	Chrysotile asbestos	33
	Board siding – skirting	Chrysotile asbestos	1.0
	Pipe insulation - crawlspace	Chrysotile asbestos	1.0
Blue 8-plex	Drywall mud	Chrysotile asbestos	65
	Board siding – skirting	Chrysotile asbestos	2.3
	Pipe insulation - crawlspace	Chrysotile asbestos	2.0
	Board - crawlspace	Chrysotile asbestos	3.0
Red 4-plex + garage	Board siding – skirting	Chrysotile asbestos	1.0
	Pipe Insulation	Chrysotile asbestos	1.0

5. Closure

We trust that the above meet your present requirements. If you have any questions or require additional details, please contact the undersigned Dillon Johnson.

Respectfully submitted, Delta Engineering Ltd.

FILE: DEL-2026-100.HBMA
FILE: DEL-2026-100.HBMA
FILE: DEL-2026-100.HBMA



Prepared and reviewed by:

Dillon Johnson, B. Sc.

Environmental Scientist, Delta Engineering Ltd.

Direct line; +1 (867) 445 – 8250

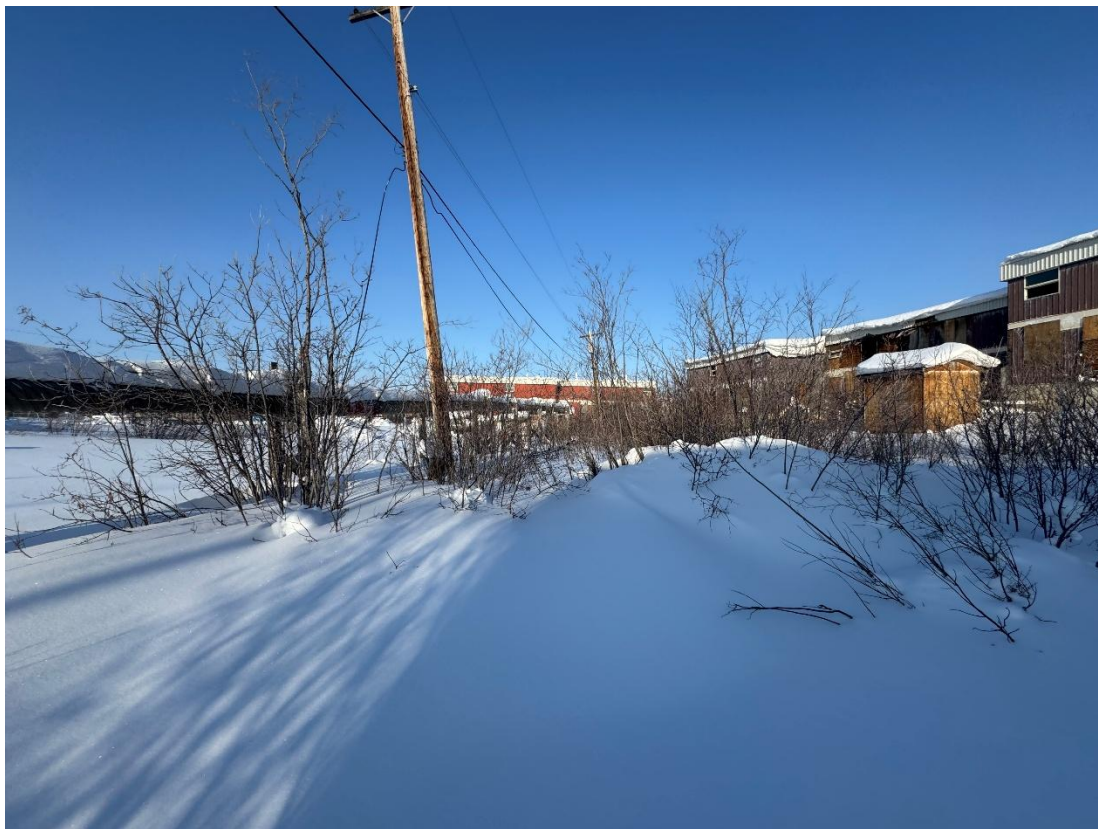
dillon.deltaengineeringltd@gmail.com

6. Appendices

Appendix A: Red 4-Plex Site Photos

















Appendix B: Blue 8-Plex Site Photos













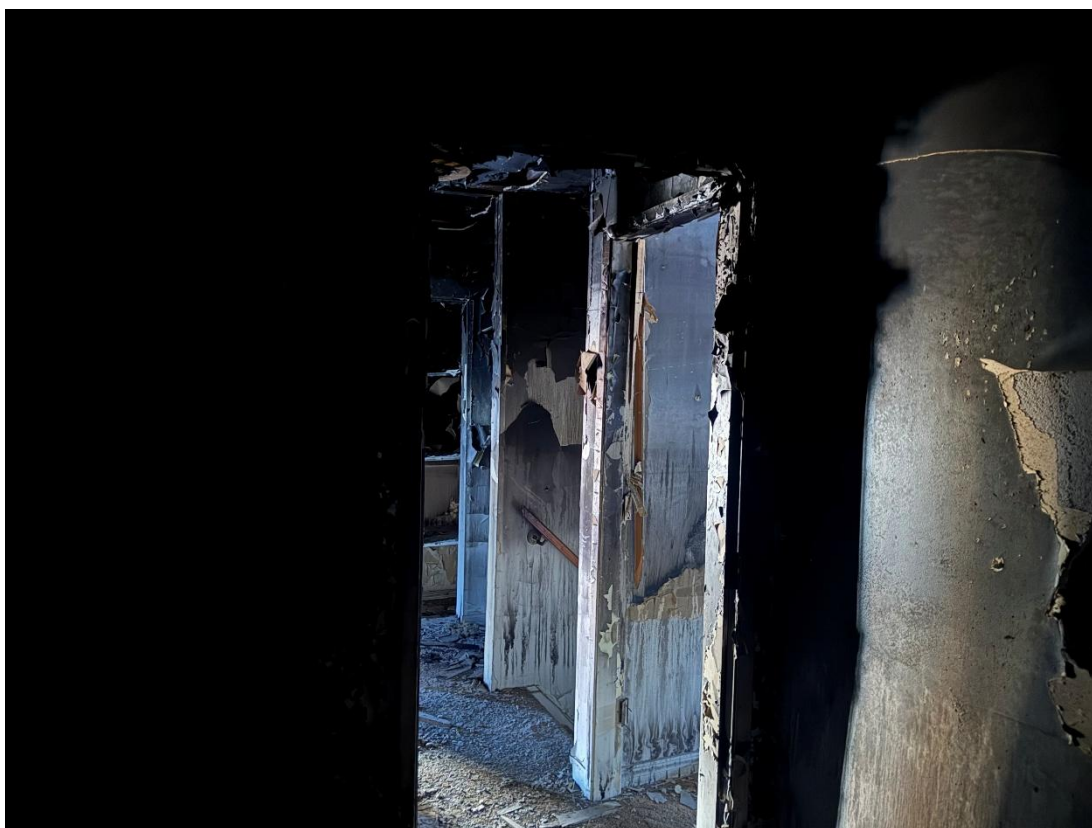


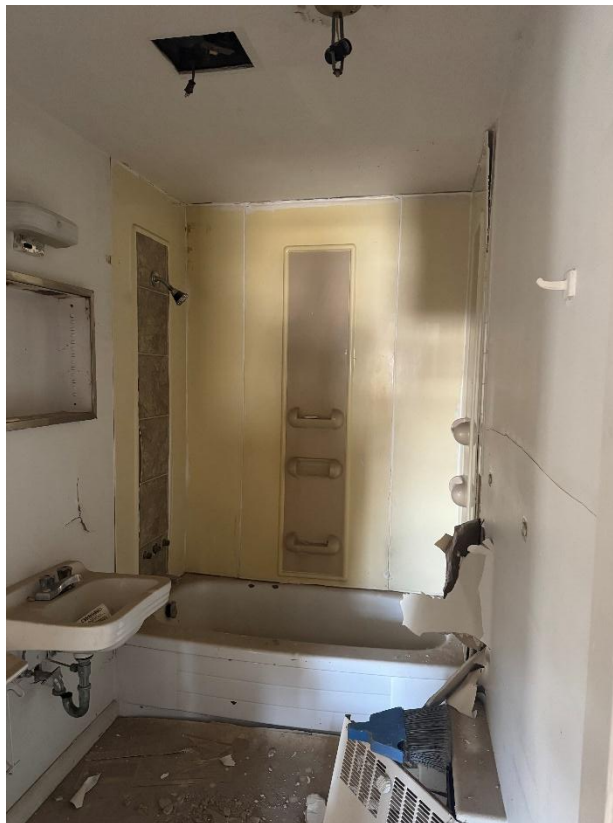
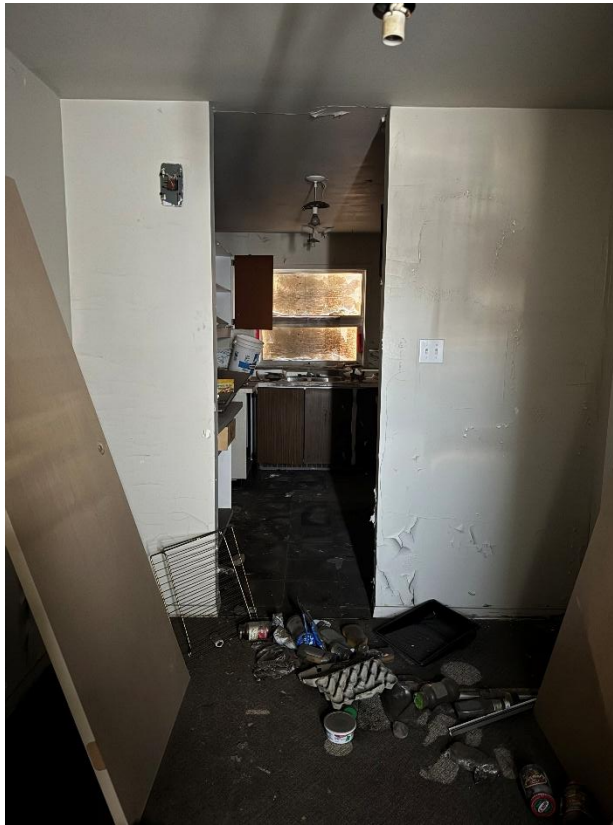


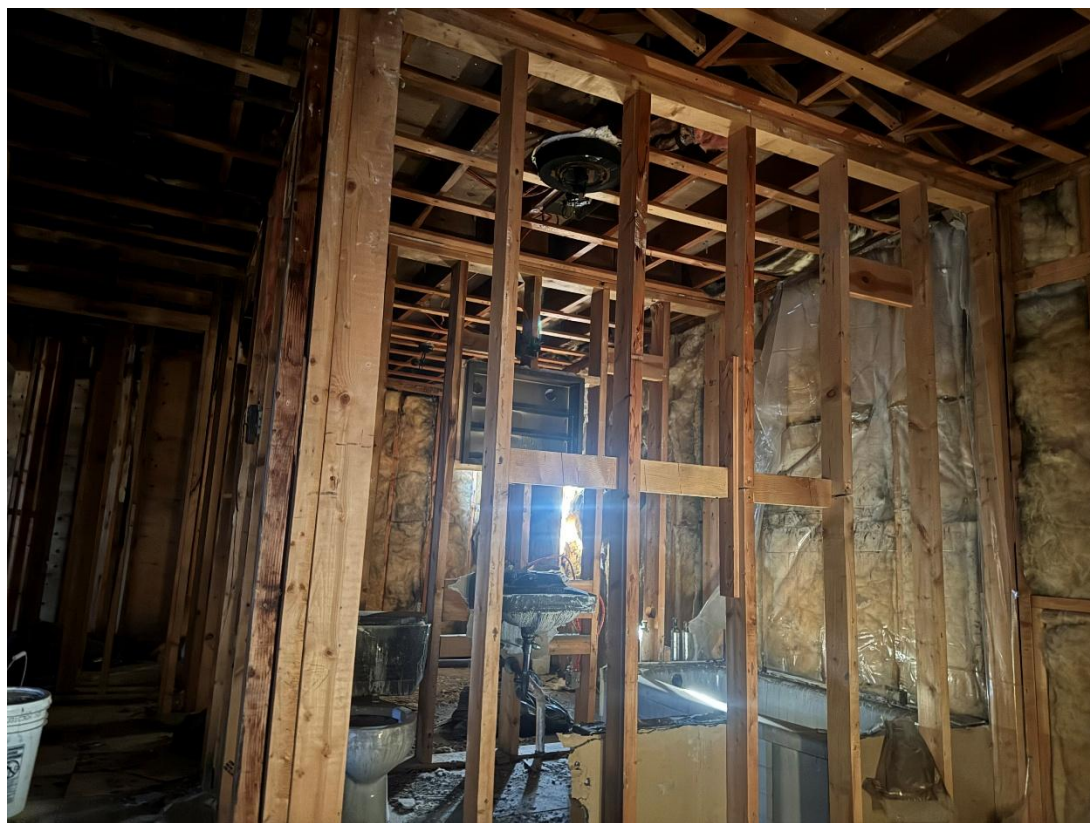














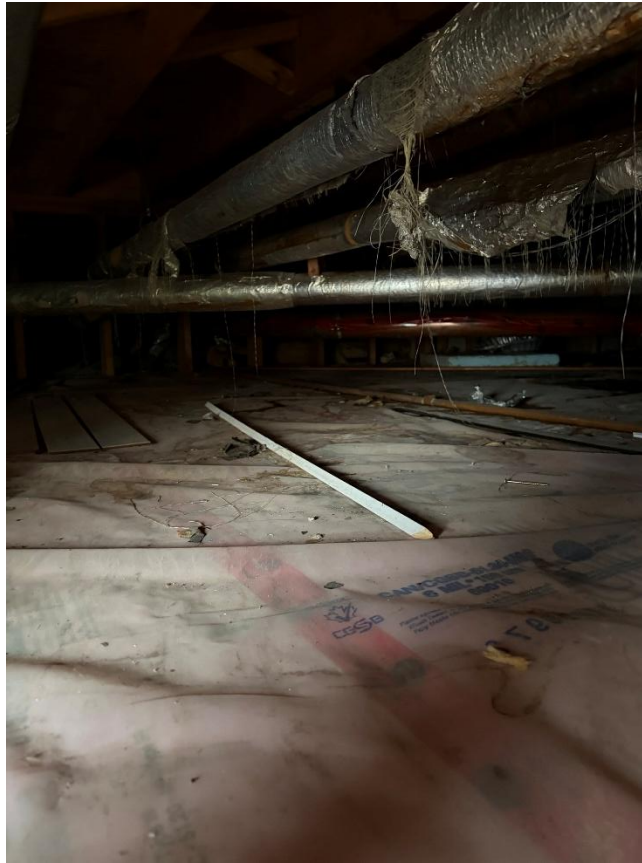
Appendix C: Red 4-Plex and Garage Site Photos











Appendix D: Laboratory Report – Red 4 Plex and Blue 8 Plex





HBMA BLUEBERRY PATCH, INUVIK, NT (8 PLEX – BLUE)



2026



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HBMA - HAZARDOUS BUILDING MATERIALS ASSESMENT

8 Plex (Blue) Blueberry Patch, Inuvik, NT

March 31, 2026

Energy North Construction Inc conducted (March 20, 2026) a Hazardous Building Materials Assessment (HBMA) on the 8 Unit (Blue) building structure identified locally as the Blueberry Patch, Inuvik, NT.

The total 8 plex building footprint measures approximately 4,800 sqft with 8 - 2 storey units with 3 bedrooms upstairs on 4' high crawlspace.

Plumbing insulation (Image #4) within enclose crawlspace and beneath units was sample/analyzed with Laboratory results identifying insulative material as **Positive** for containing of Asbestos.

Drywall mud compound samples on walls (Image #1) were obtained, which Laboratory analysis identified as **Positive** for contained Asbestos, which would designate all drywall assemblies in this unit to be containing of Asbestos under the AHERA Standards.

Note: It is recommended that any disturbance & disposal of ACM's (Asbestos Containing Materials) to be conducted under regulated Hazmat protocol/format for protection of the Worker and of the Environment.

Tile flooring (Image #3) was sampled and tested in of which **None** identified as containing Asbestos. Majority of flooring comprised of tile flooring, with portions of carpeting over plywood subfloor.

Lead Content Paint sampling and analysis was conducted on the interior walls (Image #2) identifying Lead Content **above** mandated 80 mg/kg at **628** mg/kg. Follow up TCLP (Leachability) analysis of sample revealed leachability of **0.06** mg/L, thus well below the 5.0 mg/L mandated limit for disposal as general construction waste.

Note: It is recommended that any disturbance of High Lead containing painted products be conducted under a Hazmat format for protection of the Worker and Environment.

Inspection of the flat roof Attic space of approximately 4,800 sq ft identified Fiberglass & Styrofoam board insulation (R25). **No** presence of Vermiculite was identified. Roofing material found to be asphalt.

51 MacDonald Rd, Whitehorse, YT Y1A 4R1



INSULATION & COATINGS SPECIALISTS
ENERGY NORTH
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These units are currently unoccupied, and were constructed in 1970's (est) with 2'x4* wood framing. Evidence of Mold due to severe water damage was identified throughout both structures.

Please feel free to contact ENC with any questions, comments or concerns.



Dan Aitken - Manager
Energy North Construction Inc.
51 MacDonald Rd.
Whitehorse, Yukon YA 4R1
C (780) 265-1810

51 MacDonald Rd, Whitehorse, YT Y1A 4R1

ACM / Lead Survey Analysis
Sample Location Pics

Inuvik, NT

Energy North Construction Inc
March 20, 2026

Subject: Blueberry Patch (8 Plex - Blue)



Image #1



Image #2



Dan Aitken - Manager
Energy North Construction Inc.
51 MacDonald Rd.
Whitehorse, Yukon Y1A 4R1
C: (780) 265-1810



CERTIFICATE OF ANALYSIS

REPORTED TO	Energy North Construction (Whitehorse) 51 MacDonald Rd Whitehorse, YT Y1A 4R1	WORK ORDER	26C2742
ATTENTION	Dan Aitken	RECEIVED / TEMP	2026-03-24 13:45 / NA
PO NUMBER		REPORTED	2026-03-26 14:47
PROJECT	BBP (Red + Blue)	COC NUMBER	No Number
PROJECT INFO	Blue Berry Patch (Red + Blue)		

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

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<https://www.caro.ca/terms-conditions>

If you have any questions or concerns, please contact me at djose@caro.ca

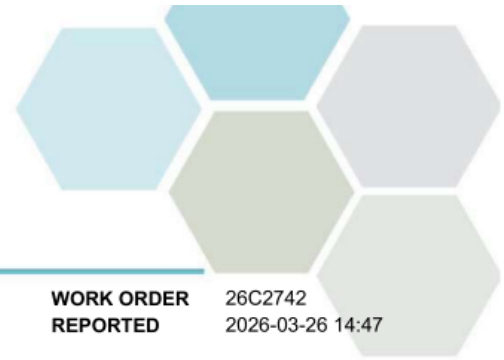
Authorized By:

Dona Anna Jose
Junior Account Manager

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#110 4011 Viking Way Richmond, BC V6V 2K9 | #102 3677 Highway 97N Kelowna, BC V1X 5C3 | 17225 109 Avenue Edmonton, AB T5S 1H7 |
#108 4475 Wayburne Drive Burnaby, BC V5G 4X4





TEST RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
 BBP (Red + Blue)

WORK ORDER REPORTED 26C2742
 2026-03-26 14:47

Analyte	Result	RL	Units	Analyzed	Qualifier
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BBP #1 - Tile - Floor (26C2742-01) | Matrix: Solid | Sampled: 2026-03-20

Polarized Light Microscopy Analysis

Asbestos Fibres	Absent	0.5	% dry	2026-03-26	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-03-26	
Non-Fibrous Materials	> 99	1.0	% dry	2026-03-26	

BBP #2 - Asphalt Shingle - Roof (26C2742-02) | Matrix: Solid | Sampled: 2026-03-20

Polarized Light Microscopy Analysis

Asbestos Fibres	Absent	0.5	% dry	2026-03-26	
Non-Asbestos Fibres	(40 - 50)	1.0	% dry	2026-03-26	
Non-Fibrous Materials	(50 - 60)	1.0	% dry	2026-03-26	

BBP #3 - Mastic - Floor (26C2742-03) | Matrix: Solid | Sampled: 2026-03-20

Polarized Light Microscopy Analysis

Asbestos Fibres	Absent	0.5	% dry	2026-03-26	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-03-26	
Non-Fibrous Materials	> 99	1.0	% dry	2026-03-26	

BBP #4 - DW Mud - Walls (26C2742-04) | Matrix: Solid | Sampled: 2026-03-20

Polarized Light Microscopy Analysis

Chrysotile Asbestos	(1 - 5)	0.5	% dry	2026-03-26	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-03-26	
Non-Fibrous Materials	(95 - 99)	1.0	% dry	2026-03-26	

BBP #6 - Board siding - Skirting (26C2742-05) | Matrix: Solid | Sampled: 2026-03-20

Polarized Light Microscopy Analysis

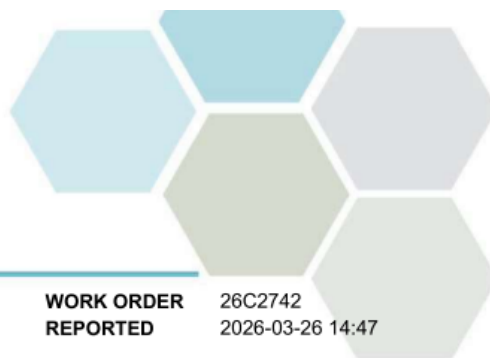
Chrysotile Asbestos	(30 - 40)	0.5	% dry	2026-03-26	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-03-26	
Non-Fibrous Materials	(60 - 70)	1.0	% dry	2026-03-26	

BBP Blue #1 - DW Mud - Wall (26C2742-06) | Matrix: Solid | Sampled: 2026-03-20

Polarized Light Microscopy Analysis

Chrysotile Asbestos	(1 - 5)	0.5	% dry	2026-03-26	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-03-26	
Non-Fibrous Materials	(95 - 99)	1.0	% dry	2026-03-26	

BBP Blue #3 - Tile - Floor (26C2742-07) | Matrix: Solid | Sampled: 2026-03-20



TEST RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
 BBP (Red + Blue)

WORK ORDER REPORTED 26C2742
 2026-03-26 14:47

Analyte	Result	RL	Units	Analyzed	Qualifier
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BBP Blue #3 - Tile - Floor (26C2742-07) | Matrix: Solid | Sampled: 2026-03-20, Continued

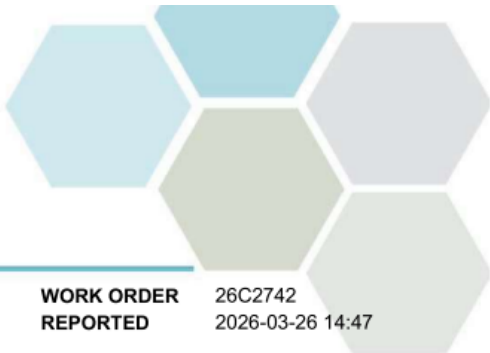
Polarized Light Microscopy Analysis

Asbestos Fibres	Absent	0.5	% dry	2026-03-26	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-03-26	
Non-Fibrous Materials	> 99	1.0	% dry	2026-03-26	

BBP Blue #4 - Pipe Ins - Crawlspace (26C2742-08) | Matrix: Solid | Sampled: 2026-03-20

Polarized Light Microscopy Analysis

Chrysotile Asbestos	(5 - 10)	0.5	% dry	2026-03-26	
Non-Asbestos Fibres	(1 - 5)	1.0	% dry	2026-03-26	
Non-Fibrous Materials	(90 - 95)	1.0	% dry	2026-03-26	



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT	Energy North Construction (Whitehorse) BBP (Red + Blue)	WORK ORDER REPORTED	26C2742 2026-03-26 14:47
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Analysis Description	Method Ref.	Technique	Accredited	Location
Asbestos in Bulk Materials in Solid	EPA 600/R-93/116	Polarized Light Microscopy (PLM)	✓	Kelowna

Glossary of Terms:	
RL	Reporting Limit (default)
% dry	Percent (dry weight basis)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
>	Greater than the specified Result
EPA	United States Environmental Protection Agency Test Methods

General Comments:
The results in this report apply to samples received by CARO and analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety and must not be modified. CARO is not responsible for losses or damages resulting directly or indirectly from errors or omissions in the conduct of the testing. Any liability is limited to the cost of analysis. CARO will dispose of all samples within 30 days of sample receipt, unless otherwise agreed.

Results in **Bold** indicate values that are above CARO's method reporting limits. Results in **red** indicate values above the regulatory limits where these have been included. Any Bold and/or highlighted results do not take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager: djose@caro.ca

Regulatory limits are added to test reports on request and are as a convenience only. While CARO makes every effort to ensure accuracy of regulatory limits, CARO assumes no liability for the use of this information. It remains the client's responsibility to ensure that regulatory limits are correct for their circumstances.



APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
BBP (Red + Blue)

WORK ORDER REPORTED 26C2742
2026-03-26 14:47

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in "batches" and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- **Method Blank (Blk):** A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- **Duplicate (Dup):** An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- **Blank Spike (BS):** A sample of known concentration which undergoes processing identical to that carried out for test samples, also referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- **Matrix Spike (MS):** A second aliquot of sample is fortified with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- **Reference Material (SRM):** A homogenous material of similar matrix to the samples, certified for the parameter(s) listed. Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Polarized Light Microscopy Analysis, Batch B6C4292									
Blank (B6C4292-BLK1)			Prepared: 2026-03-26, Analyzed: 2026-03-26						
Asbestos Fibres	Absent	0.5 % dry							
Non-Asbestos Fibres	< 1.0	1.0 % dry							
Non-Fibrous Materials	< 1.0	1.0 % dry							
Reference (B6C4292-SRM1)			Prepared: 2026-03-26, Analyzed: 2026-03-26						
Chrysotile Asbestos	(5 - 10)	0.5 % dry	7.00		100	0-200			
Non-Asbestos Fibres	< 1.0	1.0 % dry	0.00			60-140			
Non-Fibrous Materials	(90 - 95)	1.0 % dry	93.0		100	60-140			





CERTIFICATE OF ANALYSIS

REPORTED TO Energy North Construction (Whitehorse)
51 MacDonald Rd
Whitehorse, YT Y1A 4R1

ATTENTION Dan Aitken

PO NUMBER

PROJECT BBP (Red + Blue)

PROJECT INFO

WORK ORDER 26C2756

RECEIVED / TEMP 2026-03-24 15:00 / 19.8°C

REPORTED 2026-03-31 10:26

COC NUMBER No #

Introduction:

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You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (when) is VERY important. We know that too.

We've Got Chemistry



It's simple. We figure the more you enjoy working with our fun and engaged team members; the more likely you are to give us continued opportunities to support you.

Ahead of the Curve



Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

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<https://www.caro.ca/terms-conditions>

If you have any questions or concerns, please contact me at djose@caro.ca

Authorized By:

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Junior Account Manager

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#108 4475 Wayburne Drive Burnaby, BC V5G 4X4



TEST RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
BBP (Red + Blue)

WORK ORDER REPORTED 26C2756
2026-03-31 10:26

Analyte	Result	RL	Units	Analyzed	Qualifier
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BBP Red "5 - Paint Wall+Ceiling (26C2756-01) | Matrix: Solid | Sampled: 2026-03-24

Metals in Paint

Lead	< 80.0	80.0	mg/kg	2026-03-25	
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TCLP Metals

Antimony	< 0.005	0.005	mg/L	2026-03-30	
Arsenic	0.012	0.010	mg/L	2026-03-30	
Barium	< 1.0	1.0	mg/L	2026-03-30	
Beryllium	< 0.050	0.050	mg/L	2026-03-30	
Boron	5.8	0.50	mg/L	2026-03-30	
Cadmium	0.004	0.001	mg/L	2026-03-30	
Chromium	< 0.050	0.050	mg/L	2026-03-30	
Cobalt	0.42	0.020	mg/L	2026-03-30	
Copper	0.47	0.10	mg/L	2026-03-30	
Iron	1.0	1.0	mg/L	2026-03-30	
Lead	0.029	0.010	mg/L	2026-03-30	
Mercury	0.008	0.002	mg/L	2026-03-30	
Nickel	0.15	0.10	mg/L	2026-03-30	
Selenium	< 0.020	0.020	mg/L	2026-03-30	
Silver	< 0.002	0.002	mg/L	2026-03-30	
Thallium	< 0.010	0.010	mg/L	2026-03-30	
Uranium	< 0.020	0.020	mg/L	2026-03-30	
Vanadium	< 0.050	0.050	mg/L	2026-03-30	
Zinc	< 0.50	0.50	mg/L	2026-03-30	
Zirconium	0.32	0.050	mg/L	2026-03-30	

TCLP Non-Volatile Extraction Details

Extraction Fluid pH	4.91	pH units	2026-03-30	TCLP1
Final Extract pH	8.06	pH units	2026-03-30	TCLP1

BBP Blue "2 - Paint Wall+Ceiling (26C2756-02) | Matrix: Solid | Sampled: 2026-03-24

Metals in Paint

Lead	628	80.0	mg/kg	2026-03-25	
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TCLP Metals

Antimony	< 0.005	0.005	mg/L	2026-03-30	
Arsenic	< 0.010	0.010	mg/L	2026-03-30	
Barium	< 1.0	1.0	mg/L	2026-03-30	
Beryllium	< 0.050	0.050	mg/L	2026-03-30	
Boron	1.4	0.50	mg/L	2026-03-30	
Cadmium	< 0.001	0.001	mg/L	2026-03-30	
Chromium	< 0.050	0.050	mg/L	2026-03-30	
Cobalt	0.10	0.020	mg/L	2026-03-30	
Copper	< 0.10	0.10	mg/L	2026-03-30	
Iron	< 1.0	1.0	mg/L	2026-03-30	



TEST RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
BBP (Red + Blue)

WORK ORDER REPORTED 26C2756
2026-03-31 10:26

Analyte	Result	RL	Units	Analyzed	Qualifier
BBP Blue "2 - Paint Wall+Ceiling (26C2756-02) Matrix: Solid Sampled: 2026-03-24, Continued					
TCLP Metals, Continued					
Lead	0.064	0.010	mg/L	2026-03-30	
Mercury	0.023	0.002	mg/L	2026-03-30	
Nickel	< 0.10	0.10	mg/L	2026-03-30	
Selenium	< 0.020	0.020	mg/L	2026-03-30	
Silver	< 0.002	0.002	mg/L	2026-03-30	
Thallium	< 0.010	0.010	mg/L	2026-03-30	
Uranium	< 0.020	0.020	mg/L	2026-03-30	
Vanadium	< 0.050	0.050	mg/L	2026-03-30	
Zinc	< 0.50	0.50	mg/L	2026-03-30	
Zirconium	< 0.050	0.050	mg/L	2026-03-30	
TCLP Non-Volatile Extraction Details					
Extraction Fluid pH	4.91		pH units	2026-03-29	TCLP1
Final Extract pH	5.84		pH units	2026-03-29	TCLP1

Sample Qualifiers:
TCLP1 Used less than the minimum required weight (100 g) due to limited sample.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Energy North Construction (Whitehorse)
BBP (Red + Blue)

WORK ORDER REPORTED 26C2756
2026-03-31 10:26

Analysis Description	Method Ref.	Technique	Accredited	Location
SALM in Solid	ASTM E1645* / EPA 6020B	HNO ₃ +H ₂ O ₂ / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)		Richmond
TCLP Extraction in Solid	EPA 1311	20:1 Leach for 18 h		Richmond
TCLP Leachable Metals in Solid	EPA 200.2* / EPA 6020B	HNO ₃ +HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
mg/kg	Milligrams per kilogram (dry weight basis)
mg/L	Milligrams per litre
pH units	pH < 7 = acidic, pH > 7 = basic
EPA	United States Environmental Protection Agency Test Methods

General Comments:

The results in this report apply to samples received by CARO and analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety and must not be modified. CARO is not responsible for losses or damages resulting directly or indirectly from errors or omissions in the conduct of the testing. Any liability is limited to the cost of analysis. CARO will dispose of all samples within 30 days of sample receipt, unless otherwise agreed.

Results in **Bold** indicate values that are above CARO's method reporting limits. Results in **red** indicate values above the regulatory limits where these have been included. Any Bold and/or highlighted results do not take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager: djose@caro.ca

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APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
BBP (Red + Blue)

WORK ORDER REPORTED 26C2756
2026-03-31 10:26

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in "batches" and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- **Method Blank (Blk):** A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- **Duplicate (Dup):** An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- **Blank Spike (BS):** A sample of known concentration which undergoes processing identical to that carried out for test samples, also referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- **Matrix Spike (MS):** A second aliquot of sample is fortified with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- **Reference Material (SRM):** A homogenous material of similar matrix to the samples, certified for the parameter(s) listed. Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Metals in Paint, Batch B6C4213									
Blank (B6C4213-BLK1)			Prepared: 2026-03-25, Analyzed: 2026-03-25						
Lead	< 1.00	1.00 mg/kg							
Duplicate (B6C4213-DUP1)			Source: 26C2756-01 Prepared: 2026-03-25, Analyzed: 2026-03-25						
Lead	54.2	80.0 mg/kg		< 80.0			11	40	
Reference (B6C4213-SRM1)			Prepared: 2026-03-25, Analyzed: 2026-03-25						
Lead	989	1.01 mg/kg	1000		99	70-130			
TCLP Metals, Batch B6C4626									
Blank (B6C4626-BLK1)			Prepared: 2026-03-30, Analyzed: 2026-03-30						
Antimony	< 0.005	0.005 mg/L							
Arsenic	< 0.010	0.010 mg/L							
Barium	< 1.0	1.0 mg/L							
Beryllium	< 0.050	0.050 mg/L							
Boron	< 0.50	0.50 mg/L							
Cadmium	< 0.001	0.001 mg/L							
Chromium	< 0.050	0.050 mg/L							
Cobalt	< 0.020	0.020 mg/L							
Copper	< 0.10	0.10 mg/L							
Iron	< 1.0	1.0 mg/L							
Lead	< 0.010	0.010 mg/L							
Mercury	< 0.002	0.002 mg/L							
Nickel	< 0.10	0.10 mg/L							
Selenium	< 0.020	0.020 mg/L							
Silver	< 0.002	0.002 mg/L							
Thallium	< 0.010	0.010 mg/L							
Uranium	< 0.020	0.020 mg/L							
Vanadium	< 0.050	0.050 mg/L							
Zinc	< 0.50	0.50 mg/L							
Zirconium	< 0.050	0.050 mg/L							
LCS (B6C4626-BS1)			Prepared: 2026-03-30, Analyzed: 2026-03-30						
Antimony	0.366	0.005 mg/L	0.400		92	80-120			
Arsenic	3.58	0.010 mg/L	4.00		90	80-120			
Barium	< 1.0	1.0 mg/L	0.400		94	80-120			



APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
BBP (Red + Blue)

WORK ORDER REPORTED 26C2756
2026-03-31 10:26

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
TCLP Metals, Batch B6C4626, Continued									
LCS (B6C4626-BS1), Continued					Prepared: 2026-03-30, Analyzed: 2026-03-30				
Beryllium	0.367	0.050 mg/L	0.400		92	80-120			
Boron	3.63	0.50 mg/L	4.00		91	80-120			
Cadmium	0.367	0.001 mg/L	0.400		92	80-120			
Chromium	0.370	0.050 mg/L	0.400		93	80-120			
Cobalt	0.359	0.020 mg/L	0.400		90	80-120			
Copper	0.353	0.10 mg/L	0.400		88	80-120			
Iron	36.5	1.0 mg/L	40.0		91	80-120			
Lead	0.375	0.010 mg/L	0.400		94	80-120			
Mercury	0.037	0.002 mg/L	0.0400		92	80-120			
Nickel	0.355	0.10 mg/L	0.400		89	80-120			
Selenium	3.61	0.020 mg/L	4.00		90	80-120			
Silver	0.361	0.002 mg/L	0.400		90	80-120			
Thallium	0.380	0.010 mg/L	0.400		95	80-120			
Uranium	0.374	0.020 mg/L	0.400		93	80-120			
Vanadium	0.366	0.050 mg/L	0.400		91	80-120			
Zinc	3.62	0.50 mg/L	4.00		90	80-120			
Zirconium	0.377	0.050 mg/L	0.400		94	80-120			

TCLP Non-Volatile Extraction Details, Batch B6C4557

Blank (B6C4557-BLK1)			Prepared: 2026-03-29, Analyzed: 2026-03-29						
Extraction Fluid pH	4.91	pH units							
Final Extract pH	4.94	pH units							

Appendix E: Laboratory Report – Red 4 Plex and Garage Unit

ACM / Lead sample
Location Pics

Inuvik, NWT

Delta Engineering
Energy North Construction Inc.

Subject: Unit #1, Unit #2 & 8 Plex

June 28, 2026

Image #1



Image #2



Image #3



Image #4



Image #5



Image #6



Image #7



Image #8



Image #9



Image #10



Dan Aitken - Manager
Energy North Construction Inc.
51 MacDonald Rd, Whitehorse, Yukon Y1A 4R1
E: draiken1@gmail.com C: (780) 265-1810



CERTIFICATE OF ANALYSIS

REPORTED TO Energy North Construction (Whitehorse)
51 MacDonald Rd
Whitehorse, YT Y1A 4R1

ATTENTION Dan Aitken

PO NUMBER

PROJECT Inuvik, Unit 1+2, Garage

PROJECT INFO Inuvik Unit 1,2 + Garage

WORK ORDER 26G0520

RECEIVED / TEMP 2026-07-07 08:18 / NA

REPORTED 2026-07-08 15:17

COC NUMBER No Number

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CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

We've Got Chemistry



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If you have any questions or concerns, please contact me at djose@caro.ca

Authorized By:

Dona Anna Jose
Junior Account Manager

1-888-311-8846 | www.caro.ca

#110 4011 Viking Way Richmond, BC V6V 2K9 | #102 3677 Highway 97N Kelowna, BC V1X 5C3 | 17225 109 Avenue Edmonton, AB T5S 1H7 |
#108 4475 Wayburne Drive Burnaby, BC V5G 4X4



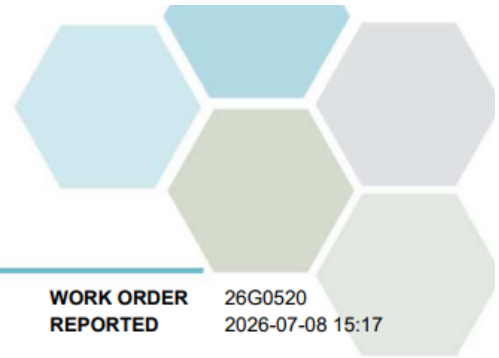
TEST RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
Inuvik, Unit 1+2, Garage

WORK ORDER REPORTED 26G0520
2026-07-08 15:17

Analyte	Result	RL	Units	Analyzed	Qualifier
5-1 - Drywall Mud - Wall Unit 1 (26G0520-01) Matrix: Solid Sampled: 2026-06-28					
<i>Polarized Light Microscopy Analysis</i>					
Asbestos Fibres	Absent	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-07-08	
Non-Fibrous Materials	> 99	1.0	% dry	2026-07-08	
5-3 - Flooring + Mastic - Floor Unit 1 (26G0520-02) Matrix: Solid Sampled: 2026-06-28					
<i>Polarized Light Microscopy Analysis</i>					
Asbestos Fibres	Absent	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-07-08	
Non-Fibrous Materials	> 99	1.0	% dry	2026-07-08	
5-4 - Insulation - Elbow Unit 1 (26G0520-03) Matrix: Solid Sampled: 2026-06-28					
<i>Polarized Light Microscopy Analysis</i>					
Chrysotile Asbestos	(10 - 20)	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	(50 - 60)	1.0	% dry	2026-07-08	
Non-Fibrous Materials	(20 - 30)	1.0	% dry	2026-07-08	
5-5 - Board - Skirting Unit 1 (26G0520-04) Matrix: Solid Sampled: 2026-06-28					
<i>Polarized Light Microscopy Analysis</i>					
Chrysotile Asbestos	(30 - 40)	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-07-08	
Non-Fibrous Materials	(60 - 70)	1.0	% dry	2026-07-08	
5-6 - Insulation - Crawlspace Unit 1 (26G0520-05) Matrix: Solid Sampled: 2026-06-28					
<i>Polarized Light Microscopy Analysis</i>					
Chrysotile Asbestos	(10 - 20)	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	(50 - 60)	1.0	% dry	2026-07-08	
Non-Fibrous Materials	(20 - 30)	1.0	% dry	2026-07-08	
5-7 - Insulation Wrap - Crawlspace Unit 1 (26G0520-06) Matrix: Solid Sampled: 2026-06-28					
<i>Polarized Light Microscopy Analysis</i>					
Asbestos Fibres	Absent	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	(95 - 99)	1.0	% dry	2026-07-08	
Non-Fibrous Materials	(1 - 5)	1.0	% dry	2026-07-08	
5-8 - Drywall Mud - Wall Unit 2 (26G0520-07) Matrix: Solid Sampled: 2026-06-28					





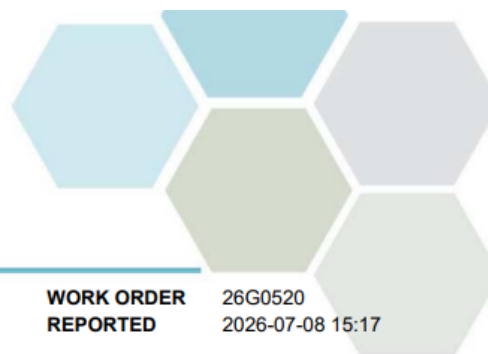
TEST RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
 Inuvik, Unit 1+2, Garage

WORK ORDER REPORTED 26G0520
 2026-07-08 15:17

Analyte	Result	RL	Units	Analyzed	Qualifier
5-8 - Drywall Mud - Wall Unit 2 (26G0520-07) Matrix: Solid Sampled: 2026-06-28, Continued					
<i>Polarized Light Microscopy Analysis</i>					
Asbestos Fibres	Absent	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-07-08	
Non-Fibrous Materials	> 99	1.0	% dry	2026-07-08	
5-9 - Drywall Mud - Wall Garage (26G0520-08) Matrix: Solid Sampled: 2026-06-28					
<i>Polarized Light Microscopy Analysis</i>					
Asbestos Fibres	Absent	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-07-08	
Non-Fibrous Materials	> 99	1.0	% dry	2026-07-08	
5-10 - Board - Crawlspace 8plex (26G0520-09) Matrix: Solid Sampled: 2026-06-28					
<i>Polarized Light Microscopy Analysis</i>					
Chrysotile Asbestos	(30 - 40)	0.5	% dry	2026-07-08	
Non-Asbestos Fibres	< 1	1.0	% dry	2026-07-08	
Non-Fibrous Materials	(60 - 70)	1.0	% dry	2026-07-08	





APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Energy North Construction (Whitehorse)
 Inuvik, Unit 1+2, Garage

WORK ORDER REPORTED 26G0520
 2026-07-08 15:17

Analysis Description	Method Ref.	Technique	Accredited	Location
Asbestos in Bulk Materials in Solid	EPA 600/R-93/116	Polarized Light Microscopy (PLM)	✓	Kelowna

Glossary of Terms:

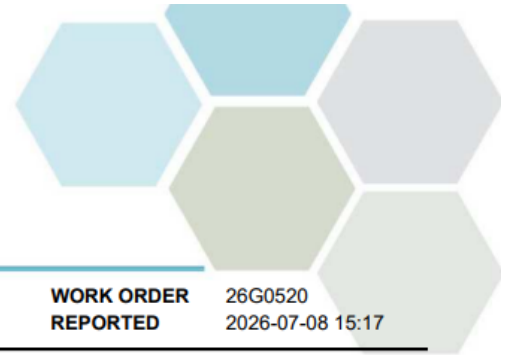
RL	Reporting Limit (default)
% dry	Percent (dry weight basis)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
>	Greater than the specified Result
EPA	United States Environmental Protection Agency Test Methods

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APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
 Inuvik, Unit 1+2, Garage

WORK ORDER REPORTED 26G0520
 2026-07-08 15:17

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in "batches" and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- **Method Blank (Blk):** A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
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Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Polarized Light Microscopy Analysis, Batch B6G2691									
Blank (B6G2691-BLK1)		Prepared: 2026-07-08, Analyzed: 2026-07-08							
Asbestos Fibres	Absent	0.5 % dry							
Non-Asbestos Fibres	< 1.0	1.0 % dry							
Non-Fibrous Materials	< 1.0	1.0 % dry							
Duplicate (B6G2691-DUP1)		Source: 26G0520-07		Prepared: 2026-07-08, Analyzed: 2026-07-08					
Asbestos Fibres	Absent	0.5 % dry		Absent				55	
Non-Asbestos Fibres	< 1.0	1.0 % dry		< 1.0				55	
Non-Fibrous Materials	> 99	1.0 % dry		> 99				55	
Reference (B6G2691-SRM1)		Prepared: 2026-07-08, Analyzed: 2026-07-08							
Chrysotile Asbestos	(1 - 5)	0.5 % dry	3.00		100	80-120			
Non-Fibrous Materials	(95 - 99)	1.0 % dry	97.0		100	80-120			



CERTIFICATE OF ANALYSIS

REPORTED TO Energy North Construction (Whitehorse)
51 MacDonald Rd
Whitehorse, YT Y1A 4R1

ATTENTION Dan Aitken

PO NUMBER

PROJECT Inuvik, Unit 1+2, Garage

PROJECT INFO Inuvik - Unit 1+2, Garage

WORK ORDER 26G0102

RECEIVED / TEMP 2026-07-02 11:35 / 20.6°C

REPORTED 2026-07-03 17:48

COC NUMBER -

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

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You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

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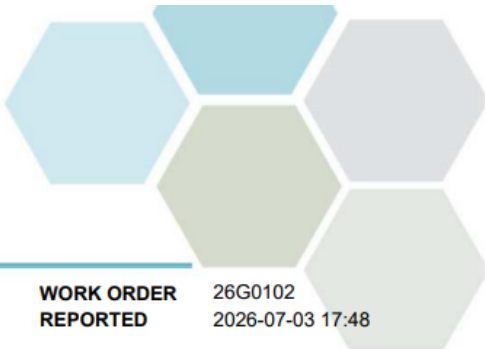
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Dona Anna Jose
Junior Account Manager

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#108 4475 Wayburne Drive Burnaby, BC V5G 4X4





TEST RESULTS

REPORTED TO PROJECTEnergy North Construction (Whitehorse)
Inuvik, Unit 1+2, Garage

WORK ORDER REPORTED26G0102
2026-07-03 17:48

Analyte	Result	RL	Units	Analyzed	Qualifier
S-1 Paint - Wall Unit 1 (26G0102-01) Matrix: Paint Sampled: 2026-06-28					
Metals in Paint					
Lead	< 80.0	80.0	mg/kg	2026-07-03	
S-2 Paint - Interior Trim Unit 1 (26G0102-02) Matrix: Paint Sampled: 2026-06-28					
Metals in Paint					
Lead	< 80.0	80.0	mg/kg	2026-07-03	
S-8 Paint - Wall Unit 2 (26G0102-03) Matrix: Paint Sampled: 2026-06-28					
Metals in Paint					
Lead	< 80.0	80.0	mg/kg	2026-07-03	
S-9 Paint - Wall Garage (26G0102-04) Matrix: Paint Sampled: 2026-06-28					
Metals in Paint					
Lead	219	80.0	mg/kg	2026-07-03	



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Energy North Construction (Whitehorse)
 Inuvik, Unit 1+2, Garage

WORK ORDER REPORTED 26G0102
 2026-07-03 17:48

Analysis Description	Method Ref.	Technique	Accredited	Location
SALM in Solid	ASTM E1645* / EPA 6020B	HNO ₃ +H ₂ O ₂ / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)		Richmond

Note: An asterisk in the Method Reference indicates that the method has been modified from the reference method

Glossary of Terms:

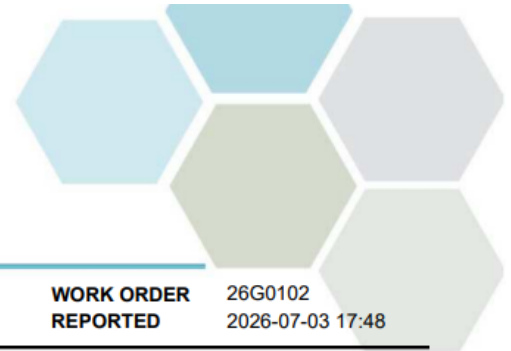
RL	Reporting Limit (default)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
mg/kg	Milligrams per kilogram (dry weight basis)
EPA	United States Environmental Protection Agency Test Methods

General Comments:

The results in this report apply to samples received by CARO and analyzed in accordance with the Chain of Custody document. This analytical report must be reproduced in its entirety and must not be modified. CARO is not responsible for losses or damages resulting directly or indirectly from errors or omissions in the conduct of the testing. Any liability is limited to the cost of analysis. CARO will dispose of all samples within 30 days of sample receipt, unless otherwise agreed.

Results in **Bold** indicate values that are above CARO's method reporting limits. Results in **red** indicate values above the regulatory limits where these have been included. Any Bold and/or highlighted results do **not** take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager: djose@caro.ca

Regulatory limits are added to test reports on request and are as a convenience only. While CARO makes every effort to ensure accuracy of regulatory limits, CARO assumes no liability for the use of this information. It remains the client's responsibility to ensure that regulatory limits are correct for their circumstances.



APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
 Inuvik, Unit 1+2, Garage

WORK ORDER REPORTED 26G0102
 2026-07-03 17:48

The following section displays the quality control (QC) data that is associated with your sample data. Groups of samples are prepared in "batches" and analyzed in conjunction with QC samples that ensure your data is of the highest quality. Common QC types include:

- **Method Blank (Blk):** A blank sample that undergoes sample processing identical to that carried out for the test samples. Method blank results are used to assess contamination from the laboratory environment and reagents.
- **Duplicate (Dup):** An additional or second portion of a randomly selected sample in the analytical run carried through the entire analytical process. Duplicates provide a measure of the analytical method's precision (reproducibility).
- **Blank Spike (BS):** A sample of known concentration which undergoes processing identical to that carried out for test samples, also referred to as a laboratory control sample (LCS). Blank spikes provide a measure of the analytical method's accuracy.
- **Matrix Spike (MS):** A second aliquot of sample is fortified with a known concentration of target analytes and carried through the entire analytical process. Matrix spikes evaluate potential matrix effects that may affect the analyte recovery.
- **Reference Material (SRM):** A homogenous material of similar matrix to the samples, certified for the parameter(s) listed. Reference Materials ensure that the analytical process is adequate to achieve acceptable recoveries of the parameter(s) tested.

Each QC type is analyzed at a 5-10% frequency, i.e. one blank/duplicate/spike for every 10-20 samples. For all types of QC, the specified recovery (% Rec) and relative percent difference (RPD) limits are derived from long-term method performance averages and/or prescribed by the reference method.

Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Metals in Paint, Batch B6G2238									
Blank (B6G2238-BLK1)			Prepared: 2026-07-03, Analyzed: 2026-07-03						
Lead	< 80.0	80.0 mg/kg							
Duplicate (B6G2238-DUP1)			Source: 26G0102-02 Prepared: 2026-07-03, Analyzed: 2026-07-03						
Lead	< 80.0	80.0 mg/kg		< 80.0				40	
Reference (B6G2238-SRM1)			Prepared: 2026-07-03, Analyzed: 2026-07-03						
Lead	963	80.0 mg/kg	1000		96	70-130			



CERTIFICATE OF ANALYSIS

REPORTED TO Energy North Construction (Whitehorse)
51 MacDonald Rd
Whitehorse, YT Y1A 4R1

ATTENTION Dan Aitken

PO NUMBER

PROJECT Inuvik, Unit 1+2, Garage

PROJECT INFO Inuvik - Unit 1+2, Garage

WORK ORDER 26G0102

RECEIVED / TEMP 2026-07-02 11:35 / 20.6°C

REPORTED 2026-07-09 17:35

COC NUMBER -

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

We've Got Chemistry



It's simple. We figure the more you enjoy working with our fun and engaged team members; the more likely you are to give us continued opportunities to support you.

Ahead of the Curve



Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here:
<https://www.caro.ca/terms-conditions>

If you have any questions or concerns, please contact me at djose@caro.ca

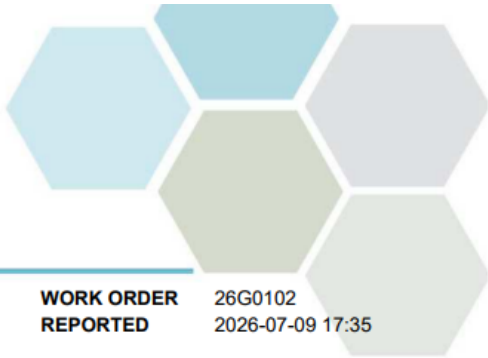
Authorized By:

Dona Anna Jose
Junior Account Manager

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#108 4475 Wayburne Drive Burnaby, BC V5G 4X4





TEST RESULTS

REPORTED TO PROJECT	Energy North Construction (Whitehorse) Inuvik, Unit 1+2, Garage	WORK ORDER REPORTED	26G0102 2026-07-09 17:35	
Analyte	Result	RL Units	Analyzed	Qualifier
S-1 Paint - Wall Unit 1 (26G0102-01) Matrix: Paint Sampled: 2026-06-28				
Metals in Paint				
Lead	< 80.0	80.0 mg/kg	2026-07-03	
S-2 Paint - Interior Trim Unit 1 (26G0102-02) Matrix: Paint Sampled: 2026-06-28				
Metals in Paint				
Lead	< 80.0	80.0 mg/kg	2026-07-03	
S-8 Paint - Wall Unit 2 (26G0102-03) Matrix: Paint Sampled: 2026-06-28				
Metals in Paint				
Lead	< 80.0	80.0 mg/kg	2026-07-03	
S-9 Paint - Wall Garage (26G0102-04) Matrix: Paint Sampled: 2026-06-28				
Metals in Paint				
Lead	219	80.0 mg/kg	2026-07-03	
TCLP Metals				
Lead	< 0.010	0.010 mg/L	2026-07-09	
TCLP Non-Volatile Extraction Details				
Extraction Fluid pH	4.91	pH units	2026-07-09	TCLP1
Final Extract pH	8.01	pH units	2026-07-09	TCLP1
Sample Qualifiers:				
TCLP1	Used less than the minimum required weight (100 g) due to limited sample.			



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Energy North Construction (Whitehorse)
Inuvik, Unit 1+2, Garage

WORK ORDER REPORTED 26G0102
2026-07-09 17:35

Analysis Description	Method Ref.	Technique	Accredited	Location
SALM in Solid	ASTM E1645* / EPA 6020B	HNO ₃ +H ₂ O ₂ / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)		Richmond
TCLP Extraction in Solid	EPA 1311	20:1 Leach for 18 h		Richmond
TCLP Leachable Metals in Solid	EPA 200.2* / EPA 6020B	HNO ₃ +HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
mg/kg	Milligrams per kilogram (dry weight basis)
mg/L	Milligrams per litre
pH units	pH < 7 = acidic, pH > 7 = basic
EPA	United States Environmental Protection Agency Test Methods

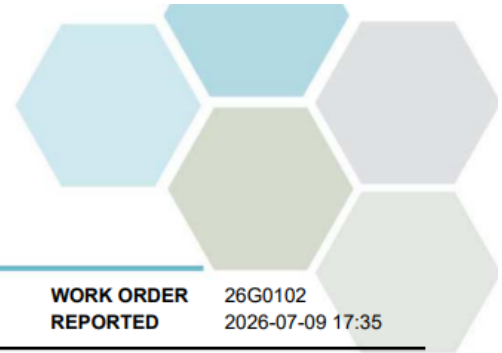
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APPENDIX 2: QUALITY CONTROL RESULTS

REPORTED TO PROJECT Energy North Construction (Whitehorse)
Inuvik, Unit 1+2, Garage

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2026-07-09 17:35

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Analyte	Result	RL Units	Spike Level	Source Result	% REC	REC Limit	% RPD	RPD Limit	Qualifier
Metals in Paint, Batch B6G2238									
Blank (B6G2238-BLK1)									
				Prepared: 2026-07-03, Analyzed: 2026-07-03					
Lead	< 80.0	80.0 mg/kg							
Duplicate (B6G2238-DUP1)									
				Source: 26G0102-02 Prepared: 2026-07-03, Analyzed: 2026-07-03					
Lead	< 80.0	80.0 mg/kg		< 80.0			40		
Reference (B6G2238-SRM1)									
				Prepared: 2026-07-03, Analyzed: 2026-07-03					
Lead	963	80.0 mg/kg	1000		96	70-130			
TCLP Metals, Batch B6G2847									
Blank (B6G2847-BLK1)									
				Prepared: 2026-07-09, Analyzed: 2026-07-09					
Lead	< 0.010	0.010 mg/L							
LCS (B6G2847-BS1)									
				Prepared: 2026-07-09, Analyzed: 2026-07-09					
Lead	0.330	0.010 mg/L	0.357		92	80-120			
TCLP Non-Volatile Extraction Details, Batch B6G2618									
Blank (B6G2618-BLK1)									
				Prepared: 2026-07-08, Analyzed: 2026-07-08					
Extraction Fluid pH	4.91	pH units							
Final Extract pH	4.89	pH units							