



May 30, 2024

City of Burlington
426 Brant Street
Burlington, Ontario, L7R 3Z6

Re: Asbestos and Lead Test Results
Burlington City Hall, 426 Brant Street, Burlington, Ontario
Pinchin File: 320578.008

Pinchin Ltd. (Pinchin) was retained by the City of Burlington (Client) to collect bulk samples of building materials for asbestos and lead analysis within the Burlington City Hall located at 426 Brant Street, Burlington, Ontario. Sample collection was performed by Pinchin on May 15, 2024.

Sample collection was limited to the plaster on walls in the 5th and 6th floor elevator lobbies. Remaining finishes (additional wall finishes, ceiling and flooring finishes, light fixtures, mechanical, duct and pipe systems etc.) were excluded from scope of this sampling. The extent of the assessed area was limited to the fountain installations on the 5th and 6th floors.

Pinchin previously prepared the following reports, which have been reviewed as part of this assessment:

- "Hazardous Building Materials Assessment, Burlington City Hall, 5th and 6th Floor Washrooms, 426 Brant Street, Burlington, Ontario" dated November 16, 2023, Pinchin File 320587.008.

1.0 METHODOLOGY

1.1 Asbestos

For each homogenous sampling area, a separate set of samples was collected. A homogeneous sampling area is defined by the U.S. Environmental Protection Agency (EPA) as a material that is uniform in texture and appearance, was installed at one time and is unlikely to consist of more than one type or formulation of material.

The asbestos analysis for select materials was completed using a stop-positive approach. Stop positive means samples in a homogenous material sample set were analyzed consecutively and when a sample was identified as an ACM, further sample analysis within that sample set was not completed. In some cases, all samples were analyzed in the sample set regardless of result.

Samples of materials were analyzed using polarised light microscopy (PLM) methods in accordance with EPA Test Method 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.


1.2 Lead Paint

Samples of paint finishes were collected by scraping the painted finish to include base and covering applications. Analysis was performed in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption, or equivalent at an accredited laboratory.

Any paints containing lead at a concentration of 0.1% or greater were assessed for condition.


2.0 RESULTS AND FINDINGS

2.1 Asbestos

Sample No.	Location	Description	Result (Type and %)	Photo
S0040A-D	5 th and 6 th Floor (Locations 10 and 11)	Plaster on walls at fountains	Base Coat: Chrysotile <0.5%* Skim Coat: None Detected	

*The base coat of the plaster contains a small percentage of chrysotile asbestos in the assessed area (samples S0040A-D; phase a). This small concentration (<0.5%) is less than the regulatory cut-off for an asbestos-containing material and therefore the plaster is a non-asbestos material.

2.2 Lead Paint

Sample No.	Location	Description	Result (%)	Photo
L0006	5 th and 6 th Floors (Locations 10 and 11)	White plaster on walls	0.00052	

Results less than 0.009% (90 mg/kg) are assumed to be insignificant.

3.0 RECOMMENDATIONS

3.1 Remedial Work

Remedial work is not required.



3.2 General

Provide this report to the contractor prior to bidding or commencing work.

If suspected hazardous building materials are discovered during the planned work, which are not identified in this report, do not disturb, and arrange for further testing and evaluation.

4.0 TERMS AND LIMITATIONS

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

5.0 CLOSURE

Should you have any questions or concerns regarding the contents of this letter, please contact the Project Manager at 289.678.0694 or dpalus@pinchin.com.

Sincerely,

Pinchin Ltd.

Prepared by:

Reviewed by:

Adam Lazette, B.Eng.
Project Technologist
613.449.0399
alazette@pinchin.com

Damian Palus, C.E.T.
Operations Manager
289.678.0694
dpalus@pinchin.com

Encl.: Laboratory Report

APPENDIX I
Laboratory Report



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: City of Burlington, 426 Brant Street
Project No.: 0320587.008
Prepared For: A. Lazette

Lab Reference No.: b313964 Revision 1
Analyst(s): T. Ly

Date Received: May 16, 2024 **Samples Submitted:** 4
Date Analyzed: May 24, 2024 **Phases Analyzed:** 8

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis for all bulk materials. Please be advised that bulk materials do not include debris, dust, and tape-lift samples, and the analysis and reporting of these materials does not conform with Pinchin Ltd.'s NVLAP accreditation.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

Revision History:

Revision 1 (2024-05-27) Results for samples S0040A-D updated on paper chain of custody.

This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: City of Burlington, 426 Brant Street
 Project No.: 0320587.008
 Prepared For: A. Lazette

Lab Reference No.: b313964 Revision 1
 Date Analyzed: May 24, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)			
		ASBESTOS		OTHER	
S0040A Wall, All, Plaster, 6th Floor Fountain	2 Phases:	Chrysotile	< 0.5%	Non-Fibrous Material	> 75%
	a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected		Non-Fibrous Material	> 75%
S0040B Wall, All, Plaster, 6th Floor Fountain	2 Phases:	Chrysotile	< 0.5%	Non-Fibrous Material	> 75%
	a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected		Non-Fibrous Material	> 75%
S0040C Wall, All, Plaster, 5th Floor Fountain	2 Phases:	Chrysotile	< 0.5%	Non-Fibrous Material	> 75%
	a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected		Non-Fibrous Material	> 75%
S0040D Wall, All, Plaster, 5th Floor Fountain	2 Phases:	Chrysotile	< 0.5%	Non-Fibrous Material	> 75%
	a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected		Non-Fibrous Material	> 75%

Reviewed by:

Reporting Analyst:

Analyzed by: TK
 Reviewed by: KB
 Report Sent by: LD

Revision 1

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	City of Burlington	Project Address:	426 Brant Street
Portfolio/Building No:		Pinchin File:	320587.008
Submitted by:	Adam Lazette	Email:	alazette@pinchin.com
CC Results to:	Damian Palus	CC Email:	dpalus@pinchin.com
Date Submitted:	May 15 2024	Required by:	May 22 2024
# of Samples:	4	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field): Pinchin			
HMIS2 Building Reference #: 131266/20242796155302			

To be Completed by Lab Personnel Only:

Lab Reference #:	<u>b3139104 KB</u>	Time:	24 hour clock
Received by:	<u>MAY 16 2024</u>	Date:	Month Day Year
Name(s) of Analyst(s):	<u>TK</u>		<u>5 24 20</u>

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0040	A	Wall, All, Plaster, 6th Floor Fountain <u>20.5% 1/2</u> <u>BND</u>
S	0040	B	Wall, All, Plaster, 6th Floor Fountain <u>20.5% 1/2</u> <u>BND</u>
S	0040	C	Wall, All, Plaster, 5th Floor Fountain <u>20.5% 1/2</u> <u>BND</u>
S	0040	D	Wall, All, Plaster, 5th Floor Fountain <u>20.5% 1/2</u> <u>BND</u>



Your Project #: 320587.008
Your C.O.C. #: na

Attention: Damian Palus

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/05/21
Report #: R8157419
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4E7536

Received: 2024/05/16, 11:10

Sample Matrix: Solid
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	1	2024/05/18	2024/05/21	CAM SOP-00408	EPA 6010D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested. This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: 320587.008
Your C.O.C. #: na

Attention: Damian Palus

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/05/21
Report #: R8157419
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4E7536
Received: 2024/05/16, 11:10

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Nilushi Mahathantila, Project Manager
Email: Nilushi.Mahathantila@bureauveritas.com
Phone# (905) 817-5700

=====
This report has been generated and distributed using a secure automated process.

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



**BUREAU
VERITAS**

Bureau Veritas Job #: C4E7536
Report Date: 2024/05/21

Pinchin Ltd
Client Project #: 320587.008
Sampler Initials: AL

ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		ZEP036		
Sampling Date		2024/05/15 10:30		
COC Number		na		
	UNITS	L0006, WHITE ON PLASTER,6TH FLOOR FOUNTAIN	RDL	QC Batch
Metals				
Lead (Pb)	%	0.00052	0.00023	9402576
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



**BUREAU
VERITAS**

Bureau Veritas Job #: C4E7536
Report Date: 2024/05/21

Pinchin Ltd
Client Project #: 320587.008
Sampler Initials: AL

GENERAL COMMENTS

Sample ZEP036 [L0006, WHITE ON PLASTER,6TH FLOOR FOUNTAIN] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C4E7536
Report Date: 2024/05/21

Pinchin Ltd
Client Project #: 320587.008
Sampler Initials: AL

QUALITY ASSURANCE REPORT

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
	9402576	MEN	Matrix Spike	Lead (Pb)	2024/05/21		91	%	75 - 125
	9402576	MEN	QC Standard	Lead (Pb)	2024/05/21		105	%	75 - 125
	9402576	MEN	Method Blank	Lead (Pb)	2024/05/21	<0.00010		%	
	9402576	MEN	RPD	Lead (Pb)	2024/05/21	3.7		%	35

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

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

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.



BUREAU
VERITAS

Bureau Veritas Job #: C4E7536

Report Date: 2024/05/21

Pinchin Ltd

Client Project #: 320587.008

Sampler Initials: AL

VALIDATION SIGNATURE PAGE

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

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



6740 Campobello Road, Mississauga, Ontario L5N 2L8
 Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
 CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required	
Company Name: Pinchin Ltd.		Company Name:		Quotation #:		<input checked="" type="checkbox"/> Regular TAT (5-7 days) Most analyses	
Contact Name: Adam Lazette / Damian Palus		Contact Name:		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS	
Address: 151 York Blvd, Suite 200		Address:		Project #: 320587.008		Rush TAT (Surcharges will be applied)	
Hamilton, Ontario				Site Location:		<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days	
Phone: 613-449-0399 Fax:		Phone: Fax:		Site #:		Date Required: May 22 2024	
Email: alazette@pinchin.com / dpalus@pinchin.com		Email:		Site Location Province: ON		Rush Confirmation #:	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY				Sampled By: Adam Lazette		LABORATORY USE ONLY	
Regulation 153 <input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/ Other <input type="checkbox"/> Table _____ FOR RSC (PLEASE CIRCLE) Y / N		Other Regulations <input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> MISA <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> PWQO Region _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED) <input type="checkbox"/> REG 406 Table _____		Analysis Requested <input type="checkbox"/> FIELD FILTERED (CIRCLE) Metals / Hg / CrVI <input type="checkbox"/> BTEX/PHC F1 <input type="checkbox"/> PHCS F2 - F4 <input type="checkbox"/> VOCs <input type="checkbox"/> REG 153 METALS & INORGANICS <input type="checkbox"/> REG 153 ICPMS METALS <input type="checkbox"/> REG 153 METALS (Hg, Cr, VI, ICPMS Metals, HWS - B) <input type="checkbox"/> Lead (Pb) in Paints <input type="checkbox"/> PCBs <input type="checkbox"/> HOLD - DO NOT ANALYZE		CUSTOMER SEAL Y / N Present Intact COOLING MEDIA PRESENT: Y / <input checked="" type="checkbox"/> N COMMENTS	
Include Criteria on Certificate of Analysis: Y / N		SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS					
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX			
L0006, White on Plaster, 6th Floor Fountain		2024-05-15	10:30	BULK	X		
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #	
	2024-05-15	11:30	<i>[Signature]</i>	2024-05-16	11:10	16-May-24 11:10	

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody is an acceptance of our terms available at <https://www.bvna.com/coc-terms-and-conditions>.

Antonella Brasil

C4E7536
 J_L ENV-727