

Masonry Filler Asbestos Sample Report

PROJECT INFORMATION			
Client:	Trillium Lakelands District School Board	Date on Site:	November 27, 2024
Project Address:	Lady Mackenzie Public School 6763 Highway 35, Coboconk, ON	Date of Report:	December 18, 2024
Project Location:	Construction Phase 1991	Project No.:	22134
Maple Representative:	Jayden Leclerc	Page:	1 of 3 +attachment

REPORT DISTRIBUTION:		
Company	Contact	Issued To
TLDSB	Darren Lambert	darren.lambert@tldbs.on.ca

SITE REPORT TYPE		
<input type="checkbox"/> Type 1 Work Area	<input type="checkbox"/> Type 2 Work Areas	<input type="checkbox"/> Glove Bag Methods
<input type="checkbox"/> Clean Site Preparation	<input type="checkbox"/> Upper Seals	<input type="checkbox"/> Prior to Bulk Removal
<input type="checkbox"/> Bulk Removal	<input type="checkbox"/> Visual Clearance	<input type="checkbox"/> Air Monitoring
<input type="checkbox"/> Dismantle	<input type="checkbox"/> Waste Transfer	<input checked="" type="checkbox"/> Bulk Sampling

BACKGROUND

Maple Environmental Inc. (Maple) was retained by the Trillium Lakelands District School Board to perform environmental consulting services associated with Lady Mackenzie Public School located at 1746 Kirkfield Road, Kirkfield, Ontario ('the Site').

The scope of the project included the collection and analysis of Masonry Filler for the determination of asbestos content. Samples were collected from representative locations in each pre-1996 construction phase in the building as requested by Trillium Lakelands District School Board in an attempt to delineate asbestos versus non-asbestos locations.

Masonry Filler is a cementitious sealant or primer that is typically applied to masonry products such as concrete blocks to enable the masonry to accept a paint finish.

ASBESTOS BULK SAMPLING

Representative samples were collected from the 1991 construction phase. A total of ten (10) bulk samples were collected and submitted for the determination of asbestos content.

The asbestos bulk samples were analysed by EMC Scientific, an independent accredited laboratory. The analytical method follows the Ontario Ministry of Labour Code for the Determination of Asbestos from Bulk Samples. A summary of the laboratory results are provided in Table 1 below. Attachment A presents the detailed final analytical results.

**TABLE 1:
ASBESTOS BULK SAMPLE RESULTS**

Building Phase	Sample Number	Sample Location	Sample Description	Results
1991	S-01A	Room 107	White Primer	None Detected
	S-01B	Stairs by Library	Off White Primer	<0.5% Chrysotile
	S-01C	Room 137	White Primer	None Detected
	S-01D	Room 130	White Primer	None Detected
	S-01E	Room 126	White Primer	None Detected
	S-01F	Room 119	White Primer	None Detected
	S-01G	Room 201	White Primer	None Detected
	S-01H	Room 205	White Primer	None Detected
	S-01I	Room 208	White Primer	None Detected
	S-01J	Room 222	White Primer	None Detected

DISCUSSION OF ASBESTOS RESULTS

The following is a brief description of the materials currently sampled for the determination of asbestos content. Refer to drawings in Attachment B for sample locations.

1991 Construction Phase:

Non-asbestos Masonry Filler was observed to be present in various locations within the 1992 construction phase.

Ten (10) representative samples (Sample Set S-01) of Masonry Filler were collected and analyzed for the determination of asbestos content. Analysis of Sample Set S-01 confirmed that the material contains <0.5% Chrysotile asbestos. Ontario Regulation 278/05 determines that a material is asbestos-containing if it contains 0.5% or greater asbestos concentration. Therefore, the sample analyzed are NOT considered to be asbestos-containing.

CONCLUSIONS & RECOMMENDATIONS

Based on the results of the sampling, Masonry Filler present in construction phases 1992 was confirmed to not contain asbestos. As such, no asbestos related procedures are warranted for the removal or disturbance of the subject material.

End of Report

MAPLE ENVIRONMENTAL INC.
Environment, Health and Safety Consultants



Jayden Leclerc
Project Technologist

ATTACHMENT A:
ANALYTICAL REPORT FOR ASBESTOS BULK SAMPLES

Laboratory Analysis Report

To:

Richards Reboks
Maple Environmental Inc.
482 South Service Road East, Suite 116
Oakville, Ontario
L6J 2X6

EMC LAB REPORT NUMBER: A112639
Job/Project Name: Lady MacKenzie PS
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Dec 5/24 **Date Analyzed:** Dec 12/24
Analyst: Katelyn Stolte
Reviewed By: Chengming Li

No. of Phases Analyzed: 10
Job No: 22134
Number of Samples: 10
Date Reported: Dec 12/24

Chen

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
S01A	A112639-1 ⁵	Masonry Filler/ 1991, eBase 107	Beige, primer	ND			100
S01B	A112639-2 ^{5,6}	Masonry Filler/ 1991, Stairs by Library	Off white, primer	Chrysotile	<0.5		100
S01C	A112639-3 ⁵	Masonry Filler/ 1991, eBase 137	Beige, primer	ND			100
S01D	A112639-4 ⁵	Masonry Filler/ 1991, eBase 130	Beige, primer	ND			100
S01E	A112639-5 ⁵	Masonry Filler/ 1991, eBase 126	Beige, primer	ND			100
S01F	A112639-6 ⁵	Masonry Filler/ 1991, eBase 119	Beige, primer	ND			100
S01G	A112639-7 ⁵	Masonry Filler/ 1991, eBase 201	Beige, primer	ND			100
S01H	A112639-8 ⁵	Masonry Filler/ 1991, eBase 205	Beige, primer	ND			100
S01I	A112639-9 ⁵	Masonry Filler/ 1991, eBase 208	Beige, primer	ND			100
S01J	A112639-10 ⁵	Masonry Filler/ 1991, eBase 222	Beige, primer	ND			100

Note:

1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. **ND** = None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
3. This report may not be reproduced, except in full without the written approval of EMC Scientific Inc. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.
4. The Ontario Regulatory Threshold for asbestos is 0.5%. The limit of quantification (LOQ) is 0.5%.
5. Another phase is present but was not analyzed as requested.
6. This sample is small in size.

ATTACHMENT B:
DRAWINGS

LEGEND

S-xxx Masonry Filler Sample Number

CONFIRMED ACM

SYMBOL DESCRIPTION

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For Detailed Information as to Location, Type, Quantity, Condition and Access to ACM, Please Refer to the Room-by-Room Sheets Provided in the Report.

Lady MacKenzie Public School

1746 Kirkfield Rd,
Kirkfield, Ontario

Ground Floor Plan

Asbestos Masonry Filler Sampling

CLIENT:

Trillium Lakelands District School Board

PROJECT NUMBER:

22134

DATE:

December 2024

DRW BY:

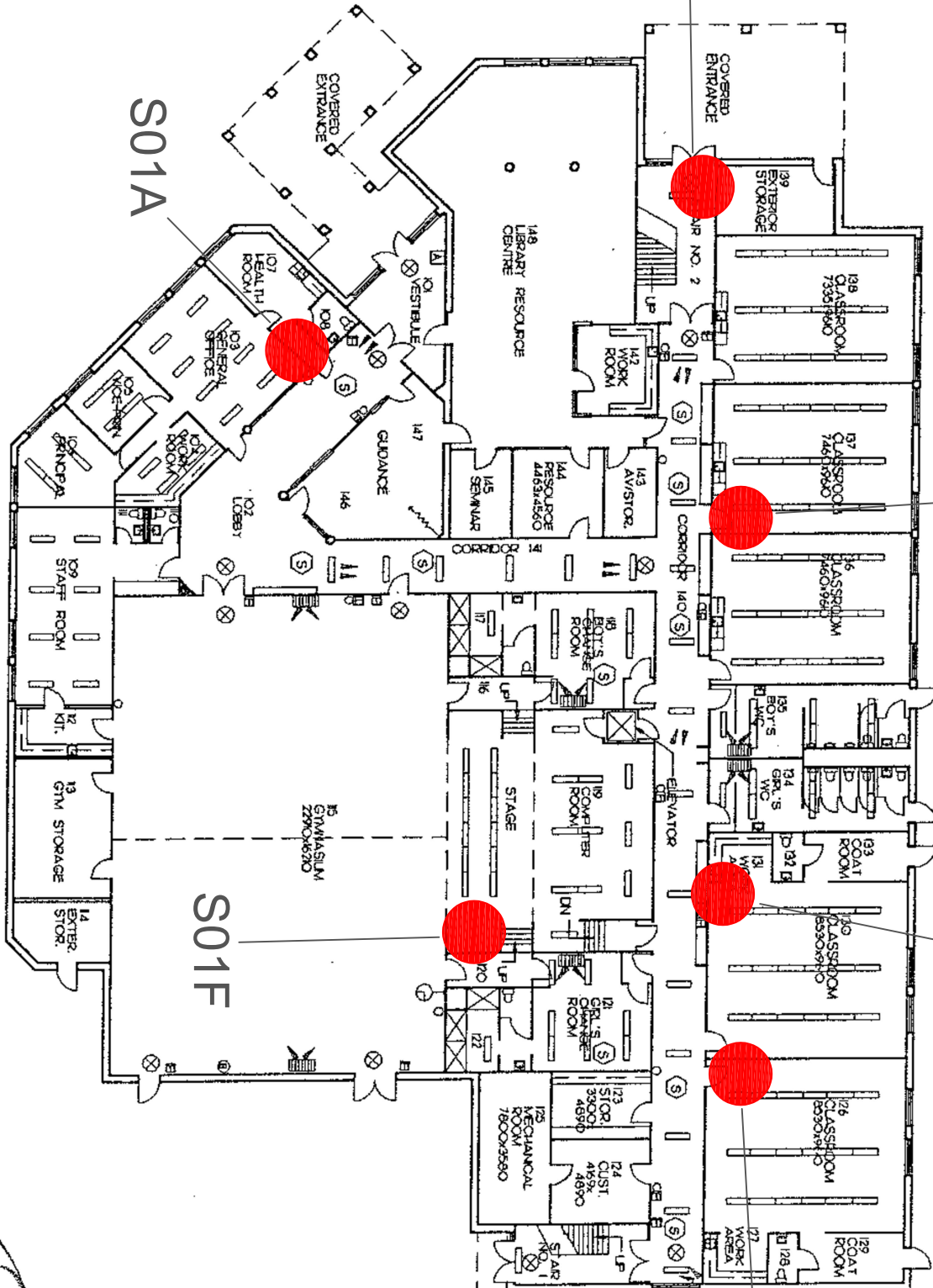
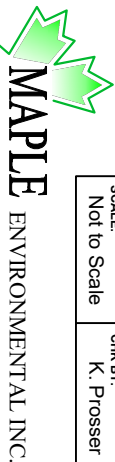
J. Leclerc

SCALE:

Not to Scale

CHK BY:

K. Prosser



S01C

S01D

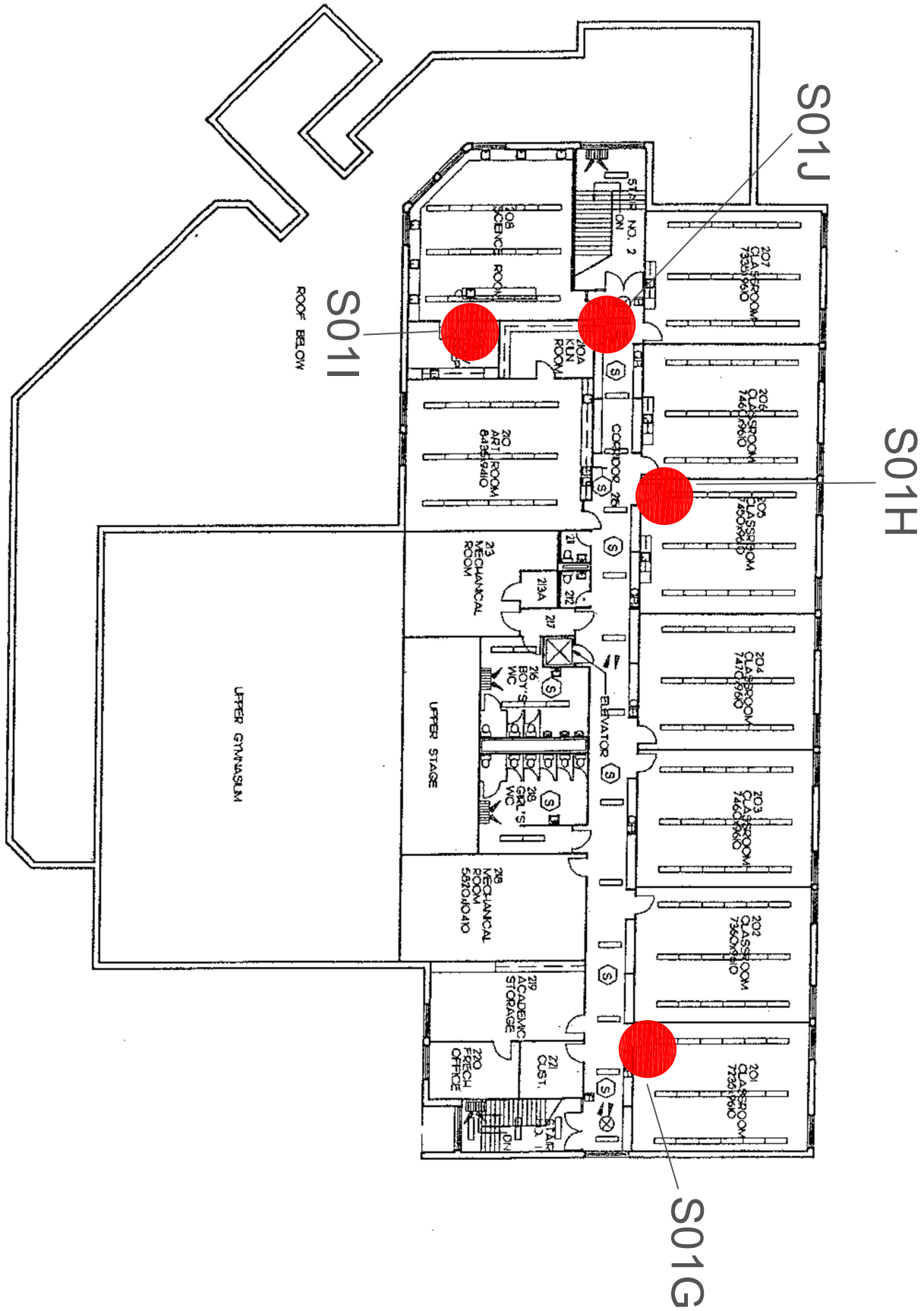
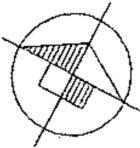
S01E

S01B

S01A

S01F

1991



1991

LEGEND

● S-xxx Masonry Filler Sample Number

CONFIRMED ACM

SYMBOL	DESCRIPTION
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For Detailed Information as to Location, Type, Quantity, Condition and Access to ACM, Please Refer to the Room-by-Room Sheets Provided in the Report.

Lady MacKenzie Public School
1746 Kirkfield Rd,
Kirkfield, Ontario

Second Floor Plan
Asbestos Masonry Filler Sampling

CLIENT: Trillium Lakelands District School Board

PROJECT NUMBER: 22134	DATE: December 2024	DRW BY: J. Leclerc
SCALE: Not to Scale	CHK BY: K. Prosser	