

PROJECT INFORMATION			
<b>Client:</b>	<b>Toronto Catholic District School Board</b>	<b>Date on Site:</b>	April 8 <sup>th</sup> , 2016
<b>Project Address:</b>	Mother Cabrini Catholic School 720 Renforth Drive, Toronto, Ontario	<b>Date of Report:</b>	April 11 <sup>th</sup> , 2016
<b>Project Location:</b>	Various Rooms	<b>Project No.:</b>	15595
<b>Inspector:</b>	Josh Prosser	<b>Page:</b>	1 of 2

REPORT DISTRIBUTION		
Company	Contact	Issued To
TCDSB	Emidio Manini	emidio.manini@tcdsb.org
TCDSB	Antonella Trichilo	antonella.trichilo@tcdsb.org

SITE REPORT TYPE		
<input type="checkbox"/> Type 2 Work Area	<input type="checkbox"/> Type 3 Work Area	<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 checked="" type="checkbox"/> TEM Air Monitoring
<input type="checkbox"/> Dismantle	<input type="checkbox"/> Waste Transfer	<input type="checkbox"/> Other _____

### **BACKGROUND**

Maple Environmental Inc. (Maple) was retained by the Toronto Catholic District School Board (TCDSB) to perform consulting services associated with asbestos air monitoring at Mother Cabrini Catholic School located at 120 Renforth Drive, Toronto, Ontario.

The air monitoring is being conducted as a result of concerns from building occupants regarding asbestos in the building.

The purpose of the current site visit was to perform TEM air monitoring to determine if airborne asbestos fibres are present within representative areas of Mother Cabrini Catholic School that are known to have asbestos-containing ceiling tiles.

Sampling was conducted on the afternoon of Friday April 8, 2016.

TABLE 1 TEM AIR MONITORING				
Sample No.	Location	Volume of Air (L)	Results (f/cc)	Asbestos Type
S01	Room 203	1227.2	<0.002	None Detected
S02	Room 202	1213.04	<0.002	None Detected
S03	Room 209A	1349.46	<0.002	None Detected
S04	Room 209D	1342	<0.002	None Detected
S05	Room 209E	1276.8	<0.002	None Detected
S06	Hallway 101	1244.4	<0.002	None Detected

### AIR MONITORING

#### Comments:

Air sampling was performed to determine the presence of possible airborne asbestos fibres within various areas of Mother Cabrini Catholic School located at 120 Renforth Dr., Toronto, ON.

Samples were collected using high volume sampling pumps calibrated to collect between 12.68 and 12.93 liters of air per minute (depending on the specific sampling pump). The sampling pumps were allowed to sample for an elapsed time of 118 - 120 minutes, for a total sampling volume of greater than 1213 litres of air per sample. The samples were collected using 0.45 µm pore size, 25 mm diameter mixed cellulose ester (MCE) membrane filter, held by black, anti-static, 2-inch open-faced filter holder.

Six (6) air samples were collected within the above noted locations and analyzed by transmission electron microscopy method (TEM) using NIOSH 7402 analytical methodology in accordance with Ontario Regulation 278/05. The Limit of Detection (LOD) depends on sample volume and quantity of interfering dust, and is <0.002 fiber/cc for atmospheres free of interferences. The TEM method specifically identifies asbestos fibres. The air samples were analyzed by EMSL Canada an independent, accredited laboratory.

No asbestos fibres were detected on any of the samples collected.

A copy of the laboratory analytical report is provided in Attachment A.

### CONCLUSIONS

Based on the TEM analysis of each air sample, the concentration of asbestos fibres were below the Occupational Exposure Limit (0.1 fibres/cc) and below the Limit of Detection for the sampling methodology during sampling period.

End of Report

Sincerely,

**MAPLE ENVIRONMENTAL INC.**  
**Environment, Health and Safety Consultants**



**Josh Prosser**  
Project Technologist

**ATTACHMENT A**

**LABORATORY ANALYSIS REPORT - TEM AIR SAMPLES**



# EMSL Canada Inc.

2756 Slough Street, Mississauga, ON L9T 5N4  
Phone/Fax: 289-997-4602 / (289) 997-4607  
<http://www.EMSL.com> [torontolab@emsl.com](mailto:torontolab@emsl.com)

EMSL Canada Or 551603940  
CustomerID: 55MAPL78  
CustomerPO: 15595  
ProjectID:

Attn: **Josh Prosser**  
**Maple Environmental, Inc.**  
**482 South Service Road East**  
**Suite 116**  
**Oakville, ON L6J 2X6**

Phone: (905) 257-4408  
Fax: (905) 257-8865  
Received: 04/08/16 7:23 PM  
Analysis Date: 4/11/2016  
Collected: 4/8/2016

Project: **MOTHER CABRINI/15595**

## Test Report: Asbestos Analysis of Air Samples by Transmission Electron Microscopy via NIOSH Method 7402

Sample	Volume (Liters)	Non Asbestos Fibers	PCM F/cc	Asbestos Type(s)	Asbestos Fibers	Asbestos % of total	7402 Adjusted (TEM) F/cc	Notes
S-01 551603940-0001	1227.2	0	<0.002			0	<0.002	
S-02 551603940-0002	1213.04	0	0.005			0	<0.002	
S-03 551603940-0003	1349.46	0	<0.002			0	<0.002	
S-04 551603940-0004	1342	0	<0.002			0	<0.002	
S-05 551603940-0005	1276.8	0	<0.002			0	<0.002	
S-06 551603940-0006	1244.4	0	<0.002			0	<0.002	

NIOSH 7402 method only reports fibers > 5µm in length and > 0.25µm in width.  
This method requires a minimum of 2 field blank analyses per set. The above results are not blank corrected  
Average number of asbestos fibers on field blanks: n/a  
Average number of non-asbestos fibers on field blanks: n/a

Analyst(s)  
Matthew Davis (6)

  
Matthew Davis  
or other approved signatory

EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted.  
Samples analyzed by EMSL Canada Inc. Mississauga, ON

Initial report from 04/11/2016 11:26:06