



Scope of Work – Designated Substances Abatement/Procedures

Math Office Renovation P164-24-165

33 Ursula Franklin Street (Building #164) – 33 Ursula Street Toronto M5S 3M1

The intent of this scope is to remove asbestos-containing flooring materials and other designated substances to the extent required for the above-mentioned project. Please follow the project drawings and notes for location details. This document also includes procedures to be followed while working with, disturbing or working around the designated substances. Designated substances are defined in O. Reg. 490/09 under the Occupational Health and Safety Act (R.S.O. 1990).

In addition to this scope of work, the project shall be governed in its entirety by the Ontario Occupational Health and Safety Act and any Regulations made under this Act.

Any demolition or other work item that may disturb existing or discovered asbestos-containing materials shall be performed by qualified asbestos workers following appropriate asbestos procedures.

All asbestos abatement work and associated demolition are scheduled to be carried out after regular hours, 6:00 PM to 6:00 AM, all days [NO CHANGE EXPECTED]. Enclosure set-up in vacant areas can be done during regular work hours.

The noise level and worker movement must remain at an absolute minimum within the work areas and in the adjacent corridors.

It is the contractor's responsibility to verify the extent of work, quantities and other site conditions.

For identification of designated substances in building materials, please refer to the *Designated Substances in Building Materials Survey Report [DSSR]* issued for this project.

Remove and dispose non-asbestos building materials. Please follow demolition key notes and demolition plans along with any details included in the project documents.

TRAINING

Any worker who may inadvertently come into contact with any asbestos-containing materials in the course of their work for the current project must have at a minimum Asbestos Awareness Training as outlined in the University of Toronto, Asbestos Management Program, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>.

Workers performing any asbestos work will require appropriate training, including respirator fit testing, as identified in Ontario Regulation 278/05 and the University of Toronto Asbestos Management Program, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

Workers performing removal or disturbance of surfaces applied with lead based paint and lead-containing materials shall have appropriate training, including respirator fit testing, as identified in Ontario Ministry of Labour, Immigration, Training and Skills Development Guidelines for Lead on Construction Projects, available at <https://www.labour.gov.on.ca/english/hs/pubs/lead/> and the University of Toronto Lead Management Program/Standard Operating Procedures for the Control of Lead During Building Maintenance and Construction Activities, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

Workers performing removal or disturbance of silica-containing materials shall have appropriate training, including respirator fit testing, as identified in the Ontario Ministry of Labour Guideline "Silica on Construction Projects" available at



<https://www.labour.gov.on.ca/english/hs/pubs/silica/> and The University of Toronto “Crystalline Silica Procedures” available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

Workers performing removal or disturbance of other hazardous materials shall require appropriate training as specified in the relevant regulations/guidelines.

Work will only be allowed once the training certificates of workers working inside asbestos enclosures are verified by the consultants and/or the University of Toronto designated staff.

SCOPE OF WORK DETAILS

In addition to the scope of work provided below, the project drawings are to be followed for the specific locations of all items described therein and are to be referred to for any specialized notes.

Negative air machines, able to maintain a negative pressure of 0.02 inches of water relative to the areas outside the enclosure, will be required for ALL Type 2 and Type 3 enclosures. Prior to the start of work, the contractor will arrange DOP tests of all negative air machines on site.

Reinstating (if required) of any components disturbed or removed for the reason of exhaust (indoors or outdoors) is included in this scope.

The negative air machines shall be installed appropriately in order to obtain uniform negative air pressure throughout the Type 2 and Type 3 enclosures. A 3rd party consultant will perform smoke tests to confirm the uniform distribution of negative air pressure throughout the enclosures.

Any worker performing work within any Type 3 and Type 2 enclosure or working under Type 2 conditions or inspecting above ceiling areas will require appropriate training as identified in Ontario Regulation 278/05 and the University of Toronto Asbestos Management Program, including respirator fit testing.

Rip-proof (orange) polyethylene sheet (6 mills thickness) shall be used for all enclosures, seals and drop sheets.

All tools or other equipment shall be decontaminated by using a vacuum equipped with a HEPA filter and by damp wiping/washing when leaving the asbestos containment area.

The abatement work and procedures provided in the Sections below shall be completed by the contractor.

All items of scope of work listed in the Sections below are part of the Base Bid Price.



1. SECTION 1: Type 3 Asbestos Abatement – Ductwork Removal

- 1.1 The Project Drawings shall be followed for the extent of isolation/capping and removal of all ductwork.
- 1.2 Remove and dispose (non-asbestos material) required sections of ceilings under the ductwork scheduled for removal.
- 1.3 Once the ceiling sections are opened, set-up full Type 3 enclosure/s. Enclosure/s to be set up from the floor up to the deck.
- 1.4 Partial areas outside the work locations can be used as storage, staging and decontamination chambers area. **Note: the contractor shall protect the flooring under the decontamination chambers. Any damage to the flooring shall be repaired by the contractor at no extra cost to the Project.**
- 1.5 Following Type 3 asbestos abatement procedures, remove and dispose (as asbestos waste) all ductwork, as shown on the project drawings.
- 1.6 Clean and decontaminate enclosure/s for air clearance sampling to be performed by others.
- 1.7 Remove and dispose enclosure/s set-up upon completion of work.

END OF SECTION 1.



2. SECTION 2: Type 2 Asbestos Abatement – Vinyl Flooring Removal

Please follow the project architectural drawings for specific locations and extent of all items described herein, and should be referred to for any specialized notes or details.

Vinyl flooring adhesive mastics, carpet glue and baseboard adhesive do not contain asbestos within the current project location.

For details of asbestos-containing and non-asbestos-containing flooring, please refer to the attached floor plans.

Remove and dispose of (as non-asbestos waste) non-asbestos materials.

- 2.1 Remove and dispose of the existing carpet finishes as shown on drawings. Caution shall be exercised when removing carpets. If any asbestos-containing tile comes off with the carpet, the same should be removed following Type 1 asbestos procedures and disposed as asbestos waste.
- 2.2 Set-up type 2 asbestos enclosure/s (full enclosure minus ceiling), with negative air pressure at locations where asbestos-containing vinyl floor tiles are scheduled for removal. The enclosure must extend to the deck if the ceiling is removed before the floor tiles.
- 2.3 Remove and dispose (as asbestos waste) all asbestos-containing vinyl flooring up to concrete flooring. This includes the tiles that get exposed once the walls are removed.
- 2.4 Clean, decontaminate enclosure/s and dispose as asbestos waste upon approval and visual inspection performed by others.

END OF SECTION 2.



3. SECTION 3: Silica abatement/procedures

Silica-containing materials are present within the current project locations and in other areas throughout the building. Crystalline silica is the primary component of concrete, concrete block, cement, mortar, drywall, etc., which are scheduled for disturbance or demolition for the current renovation project.

For any work involving disturbance or removal of silica containing materials, the Contractor shall follow work procedures and training requirements as identified in:

The Ontario Ministry of Labour Guideline “Silica on Construction Projects” available at <https://www.labour.gov.on.ca/english/hs/pubs/silica/> and The University of Toronto “Crystalline Silica Procedures” available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

The classification, general measures and procedures (or Type of operations) required shall depend on the type of work to be conducted and the procedures adopted by the contractor. The following section outlines the classification of silica containing materials disturbance based on the guidelines and procedures referred above.

Type 1 Operations

- Drilling of holes in concrete or rock that is not part of a tunneling operation or road construction.
- Any other operation at a project that requires the handling of silica-containing material in a way that may result in a worker being exposed to airborne silica.
- Entry into a dry mortar removal or abrasive blasting area while airborne dust is visible for less than 15 minutes for inspection and/or sampling.

Type 2 Operations

- Removal of silica containing refractory materials with a jackhammer.
- The drilling of holes in concrete or rock that is part of a tunnelling or road construction.
- The use of a power tool to cut, grind, or polish concrete, masonry, terrazzo or refractory materials.
- The use of a power tool to remove silica containing materials.
- Tuckpoint and surface grinding.
- Dry mortar removal with an electric or pneumatic cutting device.
- Dry method dust cleanup from abrasive blasting operations.
- Entry into area where abrasive blasting is being carried out for more than 15 minutes.

Type 3 Operations

- Abrasive blasting with an abrasive that contains ≥ 1 percent silica.
- Abrasive blasting of a material that contains ≥ 1 percent silica.

END OF SECTION 3.



4. SECTION 4: Lead Abatement/Procedures Scope of Work Details

All paint finishes on walls, structural components, windows, doors, bulkheads, baseboards, floors, ceilings, piping systems, ductwork, mechanical equipment and all other surfaces within the current project locations and other areas of the building should be assumed to contain lead ($\geq 0.1\%$ or 1000 $\mu\text{g/g}$ or 1000PPM Lead Content) unless proven otherwise through confirmatory sampling or a review of previous sampling/abatement records.

Work of removal and disposal of all loose and peeling paint finishes, within the current project locations, is included in the current scope of work. All locations where lead-based paint is removed are to be sealed/encapsulated with a lead barrier coat.

Work of removal and disposal of all malleable metal shower basin liner (lead-containing), ceramic tiles, grout and adhesive scheduled for removal on the project drawings is included in the current scope of work.

Work of removal and disposal of all lead drainpipes present under the sinks scheduled for removal on the project drawings is included in the current scope of work.

Removal or disturbance of all lead-containing materials or surfaces applied with lead paint, required for the current project, is included in the scope of work.

The General Contractor and their sub-contractors shall follow the Standard Operating Procedures for the Control of Lead During Building Maintenance and Construction Activities available at <https://ehs.utoronto.ca/wp-content/uploads/2014/06/Lead-SOPs-PDF-20171109b.pdf>.

Depending on the type of work to be conducted for the current project and the methodology selected by the contractor, the outlines provided below for general measures, procedures and classification (or Type of operation) of lead containing materials disturbance shall be followed.

All bulk lead waste materials shall be separated from other wastes, where practicable, and sent to a recycling facility. If not practicable, lead-containing waste shall be handled and disposed of according to Ontario Regulation 347 (O. Reg. 347), "General - Waste Management", made under the Environmental Protection Act.

END OF SECTION 4.



5. SECTION 5: Mercury Abatement/Procedures

Elemental mercury may be present in the electro-thermal switching devices and may be present in trace amounts as vapours in metal halide bulbs, fluorescent light tubes and incandescent mercury bulbs. It is recommended that at the time of their disposal, all mercury vapour bulbs may be recycled and possibly reused by qualified personnel or may be disposed of according to applicable regulations.

Do not dispose of fluorescent light tubes containing mercury with other construction waste or in a landfill. Dispose of mercury containing equipment at a recycling facility approved by the project Consultant. Recycling company must have the following minimum requirements:

- Offer complete recycling of all parts (i.e., lamps, caps, clips, etc.).
- Must be able to supply contractor with packaging material, if necessary.

The worker protection procedure and controls in accordance with the Ontario Regulation 490/09 shall be applied, if workers are likely to be exposed to the designated substances.

This can be achieved by:

- Respiratory protection.
- Preventing dust emissions by wetting the surface of the materials to be removed.
- Providing on site hygiene facilities for workers to properly wash prior to exiting the work area.

END OF SECTION 5.



6. SECTION 6: Other hazardous materials – Mould Remediation

All remediation work under this section is to be done following Level 1 or 2 mould remediation procedures.

Mould remediation shall follow Level 1 procedures for impacted areas up to 10 square feet.

Mould remediation Level 2 procedures shall be followed for impacted areas 10-90 square feet.

Mould remediation shall follow procedures, as per the [UofT Mould Control Program](#) and UofT's [Procedures for Mould Remediation](#).

The mould remediation work is to be performed by trained workers wearing all applicable PPE and following procedures as outlined in the [Procedures for Mould Remediation](#).

END OF SECTION 6.



7. SECTION 7: Other hazardous materials – PCBs

Light fixtures currently operational were not opened for inspection for confirmation of the presence/absence of PCBs. In many cases, light fixtures in facilities built prior to 1979 and having T-12 ballasts are assumed to be PCB-containing until proven otherwise. PCB-containing ballasts are identified by model number, serial number, and date code, as listed in *Environment of Canada Identification of Lamp Ballasts Containing PCBs – Report EPS 2/CC/2 (revised) August 1991*.

The Contractor and their sub-contractors shall follow all Regulations pertaining to PCBs [Federal PCB Regulations, SOR/2008-273, and Ontario Regulation (Environmental Protection Act) R.R.O. 1990, Regulation 362 Waste Management – PCBs - last amendment O. Reg. 232/11] for handling and disposal.

END OF SECTION 7.



8. SECTION 8: General

- 8.1 In addition to this Scope of Work, the project shall be governed by the following. In the event of any conflict, the most stringent shall apply.
- 8.1.1 Ontario Regulation 278/05, Occupational Health and Safety Act.
- 8.1.2 University of Toronto Asbestos Management Program, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>
- 8.1.3 Ontario Ministry of Labour, Immigration, Training and Skills Development Guidelines for Lead on Construction Projects, available at <https://www.labour.gov.on.ca/english/hs/pubs/lead/>
- 8.1.4 University of Toronto Lead Management Program for Building Maintenance and Construction Projects Standard/Standard Operating Procedures for the Control of Lead, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>
- 8.1.5 Ontario Ministry of Labour Guideline “Silica on Construction Projects” available at <https://www.labour.gov.on.ca/english/hs/pubs/silica/>
- 8.1.6 University of Toronto “Crystalline Silica Procedures” available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>
- 8.1.7 University of Toronto “Crystalline Silica Procedures” available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>
- 8.1.8 University of Toronto [Mould Control Program](#) and [Procedures for Mould Remediation](#)
- 8.2 All scaffold and/or other equipment assemblies in order to access work locations shall be in accordance with the standards required under applicable Acts and Regulations.
- 8.3 Rip-proof (orange) polyethylene sheet (6 mills thickness) shall be used for all enclosures and drop sheets.
- 8.4 All tools or other equipment shall be decontaminated by using a vacuum equipped with a HEPA filter and by damp wiping/washing when leaving the asbestos containment area.
- 8.5 All asbestos waste shall be placed into appropriate asbestos waste receptacles. Asbestos waste must be double-bagged or double-contained, in receptacles that are clearly marked as containing asbestos. The bags or containers shall be selected to prevent any perforations or tears during filling, transport and disposal. The bags shall be rip-proof polyethylene bags sealed with duct tape. The outer bags must be HEPA vacuumed or damp wiped to remove any surface contamination immediately before being removed from the work area.
- 8.6 Ventilation to and from the work area will remain shutdown during the work. However, the contractor will be required to temporarily seal all ventilation inlets and outlets..
- 8.7 All bagged and other normal construction waste disposal shall be done on dates and times coordinated with the Project Manager. The bin cannot stay for any length of time. Waste shall be stored on site unless a sufficient quantity accumulates. The bin shall be dropped off late in the evening and removed by early the next morning.
- 8.8 Isolation/Installation Responsibilities (For abatement work)

<u>Item</u>	<u>Responsibility</u>
8.8.1 Electrical shutdowns	Arranged by Project Manager



8.8.2	Electrical panel/cable supply	Contractor
8.8.3	Electrical isolation & temporary panel installation	Contractor
8.8.4	Provide hose bib connections for water	Arranged by Project Manager
8.8.5	Hoses for water supply	Contractor
8.8.6	Ventilation shutdowns	Arranged by Project Manager
8.8.7	Duct capping	Contractor
8.8.8	Isolation of sprinklers, heat detectors	Arranged by Project Manager
8.8.9	Type 3 enclosure air clearance tests	Arranged by Project Manager

END OF DOCUMENT

- Concrete Floor
- Non-ACM Epoxy Flooring
- Non-ACM Carpet Adhesive (Carpet on concrete)
- Non-ACM Vinyl Sheet Flooring
- Non-ACM Vinyl Floor Tiles
- Carpet over ACM Vinyl Tiles (Non-ACM Mastic)



- Concrete Floor
- Non-ACM Epoxy Flooring
- Non-ACM Carpet Adhesive (Carpet on concrete)
- Non-ACM Vinyl Sheet Flooring
- Non-ACM Vinyl Floor Tiles
- Carpet over ACM Vinyl Tiles (Non-ACM Mastic)
- ACM Vinyl Tiles (Non-ACM Mastic)
- Carpet over Non-ACM Vinyl Floor Tiles
- Carpet over Non-ACM Epoxy Flooring





April 14, 2026

Attention: Mr. Hany Khalil

**Re: Designated Substances in Building Materials Survey Report [DSSR]
Math Office Renovation P164-24-165
33 Ursula Franklin Street (Building #164)**

Dear Mr. Khalil:

Further to your request, F&S Hazardous Construction Materials Group (HCMG) is pleased to provide the University Planning, Design & Construction (UPDC) this final report summarizing the observations made during a review of available reports, abatement records, bulk sampling records and current investigations/sampling for accessible designated substances in building materials for the above captioned project at the University of Toronto facility located at 33 Ursula Franklin Street.

Ontario Regulation 490/09 - Designated Substances (O. Reg. 490/09), made under the Occupational Health and Safety Act, outlines required steps to control exposure of workers to designated substances. Under O. Reg. 490/09 there are eleven (11) designated substances, acrylonitrile, arsenic, asbestos, benzene, coke oven emissions, ethylene oxide, isocyanates, lead, mercury, silica and vinyl chloride. This regulation applies to every employer and worker at a workplace where the designated substances are present, produced, processed, used, handled or stored and at which a worker is likely to be exposed to the designated substance. This assessment, issued for the above-mentioned project, satisfies the Owner's requirements under Section 30 of the Ontario Occupational Health and Safety Act (OHSA), Revised Statutes of Ontario 1990, as amended.

This report provides the status of designated substances for locations included in the project *Math Office Renovation P164-24-165* [current project locations] in specific, and for the remaining areas of the building in general.

For a detailed designated substances abatement scope of work, please refer to the following document issued:

Scope of Work – Designated Substances Abatement/Procedures
Math Office Renovation P164-24-165
33 Ursula Franklin Street (Building #164) – 33 Ursula Street Toronto M5S 3M1

OBSERVATIONS AND RECOMMENDATIONS

Based on a review of the available reports, bulk sampling records, abatement records and current investigations/sampling for accessible designated substances in building materials, the following are our observations and recommendations.

Copies of laboratory analytical results of bulk asbestos samples are attached at Appendix C.

EXECUTIVE SUMMARY

The following summary of designated substances in building materials gives significant conclusions of the past and current assessment of this building. Details are provided in the report sections.



<ul style="list-style-type: none">• No sprayed fireproofing is present within the current project locations.• Friable asbestos-containing sprayed fireproofing is present on a section of a beam in Room 1111C. This section of the beam is currently inaccessible and covered in a metal sheet. Asbestos-containing sprayed fireproofing is suspected to be present on the beam that runs inside the dumbwaiter shaft.• Friable asbestos-containing sprayed fireproofing is present on a section of a beam in Room 1026. This section of the beam is currently inaccessible and hidden behind a duct. Asbestos-containing sprayed fireproofing is suspected to be present on the beam that runs behind the duct on the west wall.• Sprayed fireproofing present on beams primarily in the inner core of the 1st floor of this building does not contain asbestos.
<ul style="list-style-type: none">• Friable asbestos-containing (Chrysotile) thermal mechanical insulation is present on plumbing pipe systems in the service/electrical closets and select other areas of the building.
<ul style="list-style-type: none">• Non-friable asbestos-containing (Chrysotile) vinyl flooring (predominantly under carpets) is present within the current project locations and various other areas of the building.• All adhesive mastics and levelling compounds under the vinyl flooring within the current project locations do not contain asbestos based on laboratory analytical results of bulk samples of these homogeneous materials.
<ul style="list-style-type: none">• Glue pucks (if present) behind the noticeboards and blackboards within the current project locations and other areas of this building shall be considered to contain non-friable asbestos.
<ul style="list-style-type: none">• Drywall joint compound applications in this building do not contain asbestos based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building.
<ul style="list-style-type: none">• Plaster finishes in this building do not contain asbestos based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building.
<ul style="list-style-type: none">• Lay-in ceiling and stick-on ceiling tiles (including adhesive glue) in this building do not contain asbestos based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building.
<ul style="list-style-type: none">• Based on laboratory analytical results of bulk samples of carpet adhesive, all carpet adhesives within the current project locations and other areas in this building can be considered not to contain asbestos.
<ul style="list-style-type: none">• Wallpaper/coverings in this building do not contain asbestos based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building.
<ul style="list-style-type: none">• Baseboard adhesive in this building does not contain asbestos based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building.
<ul style="list-style-type: none">• Epoxy flooring material present in the washrooms of the current project locations does not contain asbestos based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building.
<ul style="list-style-type: none">• Ceramic tile grout within the current project locations does not contain asbestos based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building.
<ul style="list-style-type: none">• Roofing materials in this building do not contain asbestos based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building.
<ul style="list-style-type: none">• Lead-containing paint finishes are present.
<ul style="list-style-type: none">• Elemental mercury is suspected to be present.
<ul style="list-style-type: none">• Silica-containing materials are present.



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| <ul style="list-style-type: none">• Mould is present in select current project locations. |
| <ul style="list-style-type: none">• PCB-containing T-12 ballasts are suspected to be present. |

ASBESTOS

For removal or disturbances of asbestos-containing materials, all procedures as defined in Ontario Regulation 278/05 and the University of Toronto Asbestos Management Program, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>, shall be followed. In case of conflict, the more stringent procedures shall apply.

Removal of asbestos-containing materials must be conducted by a qualified abatement contractor, and all appropriate procedures, as detailed in this report and applicable regulations, shall be followed.

Sprayed Fireproofing

No sprayed fireproofing is present on structural members located within the current project locations.

Asbestos-containing sprayed fireproofing is present on a section of a beam in Room 1111C. This section of the beam is currently inaccessible and covered in a metal sheet. Asbestos-containing sprayed fireproofing is suspected to be present on the beam that runs inside the dumbwaiter shaft.

Asbestos-containing sprayed fireproofing is present on a section of a beam in Room 1026. This section of the beam is currently inaccessible and hidden behind a duct. Asbestos-containing sprayed fireproofing is suspected to be present on the beam that runs behind the duct on the west wall.

Sprayed fireproofing present on beams primarily in the inner core of the 1st floor of this building does not contain asbestos.

Please refer to the sprayed fireproofing floor plans for this building, attached at Appendix A.

Historically, asbestos-containing (Amosite) fireproofing was present on beams primarily on the inner core of 1st floor of this building. The current sprayed fireproofing at these locations of the building does not contain asbestos.

No removal or disturbance of asbestos-containing sprayed fireproofing shall proceed without following the appropriate asbestos procedures as listed below.

- Removal of asbestos-containing sprayed fireproofing shall follow Type 2 or Type 3 asbestos abatement procedures based on the quantity of materials to be removed [Type 2 procedures if one square meter or less of sprayed fireproofing surface area is to be removed. Type 3 procedures if greater than one square meter of sprayed fireproofing surface area is to be removed].
- Above ceiling access following Type 2 asbestos procedures is not required in any location of the building. However, in the event the scope involves exposing the asbestos sprayed beams in Room 1111C (including in the adjacent dumbwaiter shaft), Room 1026 (including which runs behind the ductwork), access above the ceiling will require prior approval from the University of Toronto. Any work at such locations required by electrical, mechanical or other trades, INCLUDING INSPECTIONS, shall be carried out following Type 2 asbestos procedures (full enclosure with negative air pressure).



- As a requirement of Ontario Regulation 278/05, "cleaning or removing air handling equipment, including rigid ducting in a building with asbestos-containing sprayed fireproofing, is a Type 3 asbestos work". Please be advised that no ductwork or other air handling equipment is to be removed from ANY location of the building without following appropriate asbestos procedures.
- Adding any piece of ductwork does not require asbestos procedures.

Vinyl and Other Flooring

Vinyl flooring within the current project locations consists of both asbestos-containing and non-asbestos flooring. Based on laboratory analytical results of bulk samples of adhesive mastic associated with the vinyl floor, all adhesive mastics and levelling compounds under the vinyl flooring within the current project locations can be considered not to contain asbestos.

Based on laboratory analytical results of bulk samples of carpet adhesives, all carpet adhesives within the current project locations and other areas in this building can be considered not to contain asbestos.

Vinyl flooring in other areas of the building consists of both asbestos-containing and non-asbestos flooring. All vinyl flooring (non-friable) and adhesive mastics (non-friable) in other areas of this building shall be considered to contain asbestos, unless confirmed through abatement records and/or sampling.

For a detailed status of existing flooring materials within the current project locations, please refer to the floor plans attached at Appendix B.

No removal or disturbance of asbestos-containing vinyl flooring and adhesive mastic shall proceed without following the appropriate asbestos procedures as listed below.

- Type 2 (full enclosure) asbestos abatement procedures shall be followed for the removal of asbestos-containing vinyl floor tiles.
- Grinding of asbestos-containing mastic shall follow Type 2 (full enclosure) asbestos procedures if the grinder is equipped with a HEPA vacuum attachment. The procedures shall be elevated to Type 3 if the grinding equipment is not equipped with a HEPA vacuum attachment.
- Under the University of Toronto Asbestos Management Program, the design or work should not include installing rigid flooring over existing asbestos-containing vinyl floor tiles or sheeting.

A summary of bulk asbestos sample results of vinyl flooring collected to date from the 2nd and 3rd floors of this building is presented below.

33 Ursula Franklin Street (Building #164) Summary of Analysis of Vinyl and Other Flooring Materials Bulk Samples from 2nd and 3rd Floor				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
1	164-270225-4A	Elevator Lobby 3900	12"x12" beige with off white pebbles a) Tile b) Black mastic	None Detected None Detected
2	164-270225-4B	Elevator Lobby 3900	12"x12" beige with off white pebbles a) Tile b) Black mastic	None Detected None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Vinyl and Other Flooring Materials Bulk Samples from 2nd and 3rd Floor				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
3	164-270225-4C	Room 3026	12"x12" beige with off white pebbles a) Tile b) Black mastic	None Detected None Detected
4	164-270225-5A	Elevator Lobby 3900	12"x12" dark brown with brown pebbles a) Tile b) Black mastic	None Detected None Detected
5	164-270225-5B	Elevator Lobby 3900	12"x12" dark brown with brown pebbles a) Tile b) Black mastic	None Detected None Detected
6	164-270225-5C	Elevator Lobby 3900	12"x12" dark brown with brown pebbles a) Tile b) Black mastic	None Detected None Detected
7	164-270225-6A	Room 3021	12"x12" tan with brown/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
8	164-270225-6B	Room 3021	12"x12" tan with brown/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
9	164-270225-6C	Room 3021	12"x12" tan with brown/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
10	164-270225-7A	Room 3110B	12"x12" off white with grey pebbles a) Tile b) Yellow mastic	None Detected None Detected
11	164-270225-8A	Room 304	12"x12" pink with pink/cream pebbles a) Tile b) Black mastic	None Detected None Detected
12	164-270225-8B	Room 305	12"x12" pink with pink/cream pebbles a) Tile b) Black mastic	None Detected None Detected
13	164-270225-8C	Room 330	12"x12" pink with pink/cream pebbles a) Tile b) Black mastic	None Detected None Detected
14	164-270225-9A	Hallway 3902	12"x12" grey with grey/white pebbles a) Tile b) Yellow mastic	None Detected None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Vinyl and Other Flooring Materials Bulk Samples from 2nd and 3rd Floor				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
15	164-270225-9B	Hallway 3903	12"x12" grey with grey/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
16	164-270225-9C	Hallway 3905	12"x12" grey with grey/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
17	164-280225-3A	Room 2041	12"x 12" green with white streaks a) Tile b) Black, mastic	Chrysotile 2 % None Detected
18	164-280225-3B	Room 2041B	12"x 12" green with white streaks a) Tile b) Black, mastic	Not Analyzed None Detected
19	164-280225-4A	Room 2046	12"x 12" light beige with beige/off white pebbles a) Yellow mastic b) Tile c) Black mastic	None Detected None Detected None Detected
20	164-280225-4B	Room 2050	12"x 12" light beige with beige/off white pebbles a) Yellow mastic b) Tile c) Black mastic	None Detected None Detected None Detected
21	164-280225-4C	Room 2056	12"x 12" light beige with beige/off white pebbles a) Tile b) Black mastic	None Detected None Detected
22	164-280225-5A	Room 2062A (Kitchen)	12"x 12" dark grey with grey/black pattern a) Tile b) Yellow and black mastic	None Detected None Detected
23	164-280225-5B	Room 2062A (Kitchen)	12"x 12" dark grey with grey/black pattern a) Tile b) Yellow and black mastic	None Detected None Detected
24	164-280225-5C	Room 2062A (Kitchen)	12"x 12" dark grey with grey/black pattern a) Tile b) Yellow and black mastic c) Off white fibrous	None Detected None Detected None Detected
25	164-280225-6A	Hallway 2901	12"x 12" grey with grey/white pebbles	None Detected
26	164-280225-6B	Hallway 2904	12"x 12" grey with grey/white pebbles a) Tile b) Yellow mastic	None Detected None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Vinyl and Other Flooring Materials Bulk Samples from 2nd and 3rd Floor				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
27	164-280225-6C	Hallway 2906	12"x 12" grey with grey/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
28	164-141025-1A	Room 2043	12"x 12" Off-white with grey streaks a) Yellow mastic b) Tile c) Black mastic d) Grey cementitious	None Detected Chrysotile 1% None Detected None Detected
29	164-141025-1B	Room 2057	12"x 12" Off-white with grey streaks a) Yellow mastic b) Tile c) Black mastic	None Detected Not Analyzed None Detected
30	164-141025-1C	Room 2065	12"x 12" Off-white with grey streaks a) Yellow mastic b) Tile c) Black mastic d) Grey cementitious	None Detected Not Analyzed None Detected None Detected
31	164-130326-1A	Room 2002 (washroom)	Epoxy flooring, off-white	None Detected
32	164-130326-1B	Room 2003 (washroom)	Epoxy flooring, off-white	None Detected
33	164-130326-1C	Room 2040 (washroom)	Epoxy flooring, off-white	None Detected
34	164-130326-3A	Room 3001	12"x 12" Grey with dark grey/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
35	164-130326-3B	Room 3001	12"x 12" Grey with dark grey/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
36	164-130326-3C	Room 3001	12"x 12" Grey with dark grey/white pebbles a) Tile b) Yellow mastic	None Detected None Detected
37	164-130326-4A	Room 3094	12"x 12" Grey with white pebbles a) Yellow mastic b) Tile c) Black mastic	None Detected None Detected None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Vinyl and Other Flooring Materials Bulk Samples from 2nd and 3rd Floor				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
38	164-130326-4B	Room 3094	12"x 12" Grey with white pebbles a) Yellow mastic b) Tile c) Black mastic	None Detected None Detected None Detected
39	164-130326-4C	Room 3094	12"x 12" Grey with white pebbles a) Yellow mastic b) Tile c) Black mastic	None Detected None Detected None Detected
40	164-130326-5A	Room 3071A	12"x 12" Light blue with white streaks a) Yellow mastic b) Tile c) Black mastic	None Detected None Detected None Detected
41	164-130326-5B	Room 3071A	12"x 12" Light blue with white streaks a) Yellow mastic b) Tile c) Black mastic	None Detected None Detected None Detected
42	164-130326-5C	Room 3071A	12"x 12" Light blue with white streaks a) Yellow mastic b) Tile c) Black mastic	None Detected None Detected None Detected
43	164-130326-6A	Hallway 3900	12"x 12" Dark blue with grey pebbles a) Tile b) Black mastic	None Detected None Detected
44	164-130326-6B	Hallway 3900	12"x 12" Dark blue with grey pebbles a) Tile b) Black mastic	None Detected None Detected
45	164-130326-6C	Hallway 3900	12"x 12" Dark blue with grey pebbles a) Tile b) Black mastic	None Detected None Detected
46	164-130326-7A	Room 3002	12"x 12" Off white with grey streaks a) Yellow mastic b) Tile c) Black mastic	None Detected Chrysotile 1% None Detected
47	164-130326-7B	Room 3003	12"x 12" Off white with grey streaks a) Yellow mastic b) Tile c) Black mastic	None Detected Not Analyzed None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Vinyl and Other Flooring Materials Bulk Samples from 2 nd and 3 rd Floor				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
48	164-130326-7C	Room 3005	12"x 12" Off white with grey streaks a) Yellow mastic b) Tile c) Black mastic	None Detected Not Analyzed None Detected
49	164-130326-8A	Room 3012 (washroom)	Epoxy flooring, red and grey	None Detected
50	164-130326-8B	Room 3012 (washroom)	Epoxy flooring, red and grey	None Detected
51	164-130326-8C	Room 3012 (washroom)	Epoxy flooring, red and grey	None Detected
52	164-130326-9A	Room 3032	Epoxy flooring, blue	None Detected
53	164-130326-9B	Room 308	Epoxy flooring a) Blue and black epoxy b) Yellow mastic	None Detected None Detected
54	164-130326-9C	Room 309	Epoxy flooring a) Blue and black epoxy b) Yellow mastic	None Detected None Detected

Baseboard Adhesive

Based on laboratory analytical results of bulk samples of baseboard obtained from the building, all baseboards within this building can be considered not to contain asbestos.

A summary of bulk sample results of baseboard adhesive collected to date from this building is presented below.

33 Ursula Franklin Street (Building #164) Summary of Analysis of Baseboard Adhesive Bulk Samples				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
1	164-071125-1A	Room 2036	Baseboard Adhesive, brown mastic	None Detected
2	164-071125-1B	Room 2062	Baseboard Adhesive a) Off-white mastic b) White cementitious	None Detected None Detected
3	164-071125-1C	Room 2064	Baseboard Adhesive a) Brown and off-white mastic b) White cementitious	None Detected None Detected
4	164-071125-2A	Room 4050	Baseboard adhesive a) White cementitious b) Dark brown mastic c) Light brown mastic	None Detected None Detected None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Baseboard Adhesive Bulk Samples				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
5	164-071125-2B	Room 4070	Baseboard adhesive a) Brown mastic b) White cementitious	None Detected None Detected
6	164-071125-2C	Room 4090	Baseboard adhesive a) Brown mastic b) White cementitious	None Detected None Detected

Thermal Mechanical Insulation

No asbestos-containing thermal mechanical insulation is present within accessible areas of the current project locations. However, friable asbestos-containing thermal insulation may exist in presently inaccessible and hidden wall/ceiling/floor penetrations and cavities. Any insulating material identified or discovered in such locations shall be assumed to contain asbestos unless proven otherwise through confirmatory sampling.

Friable asbestos-containing (Chrysotile) thermal mechanical insulation is confirmed to be present on mechanical systems, including, but not limited to, heating and plumbing pipe straights, valves, tees, elbows and other fittings predominantly in the mechanical spaces of this building, all parking levels and sporadic locations on the basement and 2nd floor.

Accessible plumbing systems in other locations are either not insulated or insulated with non-asbestos materials.

Friable asbestos-containing thermal insulation may exist in presently inaccessible and hidden wall/ceiling/floor penetrations and cavities. Any insulating material identified or discovered in such locations shall be assumed to contain asbestos unless proven otherwise through confirmatory sampling.

No removal or disturbance of asbestos-containing thermal mechanical insulation shall proceed without following the appropriate asbestos procedures as listed below.

- Removal of asbestos-containing thermal mechanical insulation shall follow Type 2, Type 2 glove bag or Type 3 asbestos abatement procedures based on quantity and location of materials to be removed [Type 2 procedures for one square meter or less area of asbestos insulation to be removed (inside an enclosure). Type 3 procedures for greater than one square meter of asbestos insulation to be removed (inside an enclosure)].

Noticeboard/blackboard Glue

Areas behind the noticeboards/blackboards remained inaccessible during the current investigations. All glue and other adhesive materials (non-friable), where discovered behind the noticeboard/blackboard, shall be considered to contain asbestos.

No removal or disturbance of these materials shall proceed without following the appropriate asbestos procedures as listed below.

- Type 1 or Type 2 (full enclosure) asbestos procedures shall be followed for the removal of asbestos-containing adhesive glue based on the quantity of material to be removed.



Drywall Joint Compound

Based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building, all drywall joint compound applications on gypsum board and drywall finishes (including under the wallpaper) in this building can be considered not to contain asbestos.

A summary of bulk asbestos sample results of drywall joint compounds collected to date from this building is presented below.

33 Ursula Franklin Street (Building #164) Summary of Analysis of Drywall Joint Compounds Bulk Samples				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
1	S0006A	Room 4010 Electrical Room	Drywall Joint Compound	None Detected
2	S0006B	Room 4010 Electrical Room	Drywall Joint Compound	None Detected
3	S0006C	Room 1038A – Storage Room 1	Drywall Joint Compound	None Detected
4	S0006D	Room 4001 Electrical Room	Drywall Joint Compound	None Detected
5	S0006E	Location 1 st Floor Cafeteria (no room number)	Drywall Joint Compound a) White joint compound b) Cementitious materials	None Detected None Detected
6	S0006F	Hallway 4902 @ 4024	Drywall Joint Compound	None Detected
7	S0006G	Hallway 1902	Drywall Joint Compound	None Detected
8	S0016A	Hallway 310 (Ceiling)	Drywall Joint Compound	None Detected
9	S0016B	Hallway 310 (Ceiling)	Drywall Joint Compound	None Detected
10	S0016C	Hallway 310 (Ceiling)	Drywall Joint Compound	None Detected
11	S0016D	Room 2055 (Ceiling)	Drywall Joint Compound	None Detected
12	S0016E	Hallway 1906 (Ceiling)	Drywall Joint Compound	None Detected
13	S0016F	Washroom 1021 (Ceiling)	Drywall Joint Compound	None Detected
14	S0016G	Washroom 1022 (Ceiling)	Drywall Joint Compound	None Detected
15	164-160524-1	Room 4021	Drywall Joint Compound a) White JC b) White Plaster c) Grey Plaster	None Detected None Detected None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Drywall Joint Compounds Bulk Samples				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
16	164-160524-2	Room 4011A	Drywall Joint Compound	None Detected
17	164-160524-3	Room 4062A	Drywall Joint Compound	None Detected
18	164-160524-4	Room 4054	Drywall Joint Compound	None Detected
18	164-160524-5	Room 4078	Drywall Joint Compound a) White JC b) White Plaster c) Grey Plaster	None Detected None Detected None Detected
19	164-270225-2A	Hallway 3903	Drywall Joint Compound	None Detected
20	164-270225-2C	Room 3080 (Location corrected)	Drywall Joint Compound	None Detected
21	164-280225-2A	Room 2008	Drywall Joint Compound a) White JC b) Off White JC	None Detected None Detected
22	164-280225-2B	Room 2014	Off White Joint Compound	None Detected
23	164-280225-2C	Room 2052	Drywall Joint Compound a) White JC b) Off White JC	None Detected None Detected
24	164-040325-2A	Room 1101 (Location corrected)	Drywall Joint Compound	None Detected
25	164-040325-2B	Room 1111	Drywall Joint Compound	None Detected
26	164-040325-2C	Room 1029	Drywall Joint Compound	None Detected
27	164-070325-2A	Room B008	Drywall Joint Compound	None Detected
28	164-070325-2B	Room B040	Drywall Joint Compound	None Detected
29	164-070325-2C	Room B041	Drywall Joint Compound	None Detected

Plaster

Based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building, all plaster finishes in this building can be considered not to contain asbestos.

A summary of bulk asbestos sample results of plaster finishes collected to date from this building is presented below.



33 Ursula Franklin Street (Building #164) Summary of Analysis of Plaster Bulk Samples				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
1	S0004A	Outside Room 4099	Wall Plaster a) Beige plaster b) Grey rough plaster c) Yellow mastic	None Detected None Detected None Detected
2	S0004B	Room 4085	Wall Plaster a) Beige plaster b) Grey, rough plaster	None Detected None Detected
3	S0004C	Hallway outside Room 3066 – Janitor closet	Wall Plaster a) Beige plaster b) Grey rough plaster	None Detected None Detected
4	S0004D	Room 1042	Wall Plaster a) Beige plaster b) Grey rough plaster	None Detected None Detected
5	S0004E	Room 1042	Wall Plaster a) Beige plaster b) Grey rough plaster	None Detected None Detected
6	S0004F	Room 1911	Wall Plaster a) Beige plaster b) Grey rough plaster	None Detected None Detected
7	S0004G	Room 1911	Wall Plaster a) Beige plaster b) Grey rough plaster	None Detected None Detected
8	S0008A	Room 4009 Housekeeping	Ceiling Plaster a) White plaster b) Grey rough plaster	None Detected None Detected
9	S0008B	Room 3066 Housekeeping	Ceiling Plaster a) White plaster b) Grey rough plaster	None Detected None Detected
10	S0008C	Room 3066 Housekeeping	Ceiling Plaster a) White plaster b) Grey rough plaster	None Detected None Detected
11	164-270225-1A	Hallway 3901	Wall Plaster	None Detected
12	164-270225-1B	Room 3039	Wall Plaster a) White plaster b) Grey plaster	None Detected None Detected
13	164-270225-1C	Room 3080A	Wall Plaster a) White plaster b) Grey plaster	None Detected None Detected
14	164-270225-2B	Room 3003	White plaster	None Detected
15	164-280225-1A	Main Lobby 2900	Wall plaster a) White JC b) White plaster	None Detected None Detected
16	164-280225-1B	Room 2017	Wall Plaster	None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Plaster Bulk Samples				
Sr. No.	Sample Number	Location	Material Description	Asbestos Content
17	164-280225-1C	Room 2067A	Wall Plaster	None Detected
18	164-040325-1A	Hallway 1904	Wall Plaster	None Detected
19	164-040325-1B	Room 1113	Wall Plaster	None Detected
20	164-040325-1C	Room 1029	Wall Plaster	None Detected
21	164-070325-1A	Room B010	Wall Plaster a) White plaster b) Grey plaster	None Detected Chrysotile <0.5%
22	164-070325-1B	Room B900	Wall Plaster a) White plaster b) Grey plaster	None Detected Chrysotile <0.5%
23	164-070325-1C	Room B901	Wall Plaster a) White plaster b) Grey plaster	None Detected Chrysotile <0.5%

Ceiling Tiles

Based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building, all lay-in ceiling tiles, stick-on ceiling tiles/adhesives in this building can be considered not to contain asbestos.

A summary of bulk asbestos sample results of ceiling tile materials collected to date from this building is presented below.

33 Ursula Franklin Street (Building #164) Summary of Analysis of Ceiling Tile Materials Bulk Samples				
Sr #	Sample Number	Location	Material Description	Asbestos Content
1	S0003A	Hallway 4902 @ 4032	1x1 Pinhole & Fissure	None Detected
2	S0003B	Hallway 4902 @ 4032	1x1 Pinhole & Fissure a) Ceiling Tile b) Brown adhesive	None Detected None Detected
3	S0003C	Hallway 4902 @ 4032	1x1 Pinhole & Fissure a) Ceiling Tile b) Brown adhesive	None Detected None Detected
4	S0015A	Washroom 3047A	24"x24" Deep Fissure	None Detected
5	S0015B	Washroom 3047A	24"x24" Deep Fissure	None Detected
6	S0015C	Washroom 3088A	24"x24" Deep Fissure	None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Ceiling Tile Materials Bulk Samples				
Sr #	Sample Number	Location	Material Description	Asbestos Content
7	S0019A	Hallway 1912 @ 1028	2x4 Random Pinhole	None Detected
8	S0019B	Hallway 1912 @ 1024C	2x4 Random Pinhole	None Detected
9	S0019C	Hallway 1912 @ 1024A	2x4 Random Pinhole	None Detected
10	164-030325-1A	Hallway 3902 @ room 3024	1x1 ceiling tile adhesive	None Detected
11	164-030325-1B	Hallway 3026	1x1 ceiling tile adhesive	None Detected
12	164-030325-1C	Hallway 3085	1x1 ceiling tile adhesive	None Detected
13	164-030325-2A	Hallway 2905 @ Room 2057	1x1 ceiling tile adhesive	None Detected
14	164-030325-2B	Room 2002	1x1 ceiling tile adhesive	None Detected
15	164-030325-2C	Room 2038	1x1 ceiling tile adhesive	None Detected
16	164-030325-3A	Hallway 1908 @ Room 1092	1x1 ceiling tile adhesive	None Detected
17	164-030325-3B	Hallway 1902 @ Room 1012A	1x1 ceiling tile adhesive	None Detected
18	164-030325-3C	Room 1022	1x1 ceiling tile adhesive	None Detected
19	164-030325-4A	Hallway 1901 @ Room 1131	1x1 ceiling tile adhesive	None Detected
20	164-030325-4B	Hallway 1901 @ Room 1131	1x1 ceiling tile adhesive	None Detected
21	164-030325-4C	Hallway 1901 @ Room 1018	1x1 ceiling tile adhesive	None Detected
22	164-070325-4A	Hallway 1902	2x4 Long fissured	None Detected
23	164-070325-4B	Hallway B900	2x4 Long fissured	None Detected
24	164-070325-4C	Hallway B901	2x4 Long fissured	None Detected



Wall Covering Materials

Based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building, all wall covering materials in this building can be considered not to contain asbestos.

A summary of bulk asbestos sample results of wall covering materials collected to date from this building is presented below.

33 Ursula Franklin Street (Building #164) Summary of Analysis of Wall Covering Materials Bulk Samples				
Sr #	Sample Number	Location	Material Description	Asbestos Content
1	164-130326-2A	Room 2901	Wall covering adhesive a) White, consolidated material b) Yellow mastic c) White cementitious	None Detected None Detected None Detected
2	164-130326-2B	Room 2010	Wall covering adhesive a) White, consolidated material b) Yellow mastic c) White cementitious	None Detected None Detected None Detected
3	164-130326-2C	Room 2008	Wall covering adhesive a) White, consolidated material b) Yellow mastic c) White cementitious	None Detected None Detected None Detected
4	164-130326-10A	Room 3001	Wall covering adhesive white, consolidated material	None Detected
5	164-130326-10B	Room 3004	Wall covering adhesive a) White, consolidated material b) Yellow mastic	None Detected None Detected
6	164-130326-10C	Hallway 3903	Wall covering adhesive a) White, consolidated material b) Yellow mastic	None Detected None Detected

Ceramic Tile Grout

Based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building, all ceramic tile grouts in this building can be considered not to contain asbestos.

A summary of bulk asbestos sample results of wall covering materials collected to date from this building is presented below.

33 Ursula Franklin Street (Building #164) Summary of Analysis of Ceramic Tile Grout Bulk Samples				
Sr #	Sample Number	Location	Material Description	Asbestos Content
1	164-270225-3A	Room 3110A (Shower)	Ceramic tile grout	None Detected
2	164-270225-3B	Room 3042A (Shower)	Ceramic tile grout	None Detected
3	164-270225-3C	Room 3080A (Shower)	Ceramic tile grout	None Detected



33 Ursula Franklin Street (Building #164) Summary of Analysis of Ceramic Tile Grout Bulk Samples				
Sr #	Sample Number	Location	Material Description	Asbestos Content
4	164-040325-3A	Room 1021	Ceramic tile grout	None Detected
5	164-040325-3B	Room 1029	Ceramic tile grout	None Detected
6	164-040325-3C	Room 1029	Ceramic tile grout	None Detected
7	164-070325-3A	Room B006	Ceramic tile grout	None Detected
8	164-070325-3B	Room B006	Ceramic tile grout	None Detected
9	164-070325-3C	Room B048	Ceramic tile grout	None Detected

Texture Coat/Stucco Finish

No texture coat/stucco finishes are present in the building.

Block Masonry Sealant

No masonry sealant was observed on the visible masonry walls of this building.

Manufactured Asbestos Cement Products (Transite)

No manufactured asbestos cement products were observed in this building.

Roofing Materials

Based on laboratory analytical results of bulk samples of this homogeneous material obtained from the building, no asbestos-containing roofing materials are present in this building.

Other

No other building materials suspected to contain asbestos were observed at accessible areas of the current project locations and other areas of the building.

Asbestos-containing materials for which either the sampling records are not available or that are currently hidden or are inaccessible may be present within the building. These materials include:

• Window caulking/glazing putty	• Gaskets and other internal liners within mechanical equipment	• Fire rated door liners	• Transite in HV cable trench
• Electrical wiring jacket	• Electrical panel backing	• Firestop materials	

Investigation, including sampling and analysis, is recommended in the event of discovery of such materials for the determination of the presence/absence of asbestos. Appropriate asbestos removal procedures shall be implemented if the material is identified as asbestos-containing.

No removal or disturbance of asbestos-containing materials shall proceed without following appropriate asbestos procedures.



LEAD

All paint finishes on walls, structural components, windows, doors, bulkheads, baseboards, floors, ceilings, piping systems, ductwork, mechanical equipment, and all other surfaces within the current project locations and other areas of the building shall be assumed to contain lead any concentration).

There is no regulatory limit currently in Ontario that determines what amount of lead in paint constitutes the paint to be considered “lead based paint”. The Environmental Abatement Council of Canada (EACC) – Lead Guideline For Construction, Renovation, Maintenance or Repair (2014) recommends that a content of 0.1% (i.e. 1000 µg/g or 1000 mg/kg or 1000 ppm lead) is considered a "de minimis" or "virtually safe" level of lead in paint or surface coatings, provided that aggressive disturbance or heating does not occur.

The above lead-based paint standards are the generally accepted threshold for defining a “lead-based paint”. These levels are used as action levels where special precautions are typically implemented to contain debris created during construction or renovation activities and to protect workers from exposure during these activities.

The classification, general measures and procedures (or Type of operations) required for removal or disturbance of lead paint, lead painted materials and lead based materials shall depend on the type of work to be conducted, the procedures adopted and the limit of lead in paint accepted by the General Contractor and their sub-contractors.

For removal or disturbance of lead paint, lead painted materials and lead based materials, the General Contractor and their sub-contractors work procedures and training requirements as identified in Ontario Ministry of Labour, Immigration, Training and Skills Development Guidelines for Lead on Construction Projects, available at <https://www.labour.gov.on.ca/english/hs/pubs/lead/> and the University of Toronto Standard Operating Procedures for the Control of Lead During Building Maintenance and Construction Activities, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

Lead-containing wastes should be recycled if practicable or handled and disposed of according to Ontario Regulation 347.

Lead shall also be prudently presumed to be present in the following materials:

- As a component of the solder on joints between copper pipe and fittings.
- As a component of the solder on the wire connections of electric components.
- As a component of wool present as caulking in bell fittings at cast iron drains.
- As a component of glazing on spectra glaze blocks and ceramic tiles.
- As a component of lead-acid batteries in emergency lights.
- As lead sheeting.
- As pigmented mortar.
- As lead piping.

MERCURY

Elemental mercury may be present in the electro-thermal switching devices and may be present in trace amounts as vapours in metal halide bulbs, fluorescent light tubes and incandescent mercury bulbs. It is recommended that at the time of their disposal, all mercury vapour bulbs may be recycled



and possibly reused by qualified personnel or may be disposed of according to applicable regulations.

Do not dispose of fluorescent light tubes containing mercury with other construction waste or in a landfill. Dispose of mercury containing equipment at a recycling facility approved by the project Consultant. Recycling company must have the following minimum requirements:

- Offer complete recycling of all parts (i.e., lamps, caps, clips, etc.).
- Must be able to supply contractor with packaging material, if necessary.

Paint finishes within the current project locations and other areas of the facility shall be considered to contain Mercury.

The worker protection procedure and controls in accordance with the Ontario Regulation 490/09 shall be applied if workers are likely to be exposed to the designated substances.

This can be achieved by:

- Respiratory protection.
- Preventing dust emissions by wetting the surface of the materials to be removed.
- Providing on site hygiene facilities for workers to properly wash prior to exiting the work area.

SILICA

Silica-containing materials are present within the current project locations and in other areas throughout the facility. Crystalline silica is the primary component of many building materials such as concrete, concrete block, cement, mortar, drywall, etc. Silica has also been found as a filler material in insulation. Exposure to airborne crystalline silica can occur when these building materials are disturbed or turned into powder (particularly grinding, drilling or cutting operations and during major demolition).

The General Contractor shall follow work procedures as identified in The Ontario Ministry of Labour Guideline “Silica on Construction Projects” available at <https://www.labour.gov.on.ca/english/hs/pubs/silica/> and The University of Toronto “Crystalline Silica Procedures” available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

The classification, general measures and procedures (or Type of operations) required shall depend on the type of work to be conducted and the procedures adopted by the contractor. The following section outlines the classification of silica containing materials disturbance based on the guidelines and procedures referred above.

Type 1 Operations

- Drilling of holes in concrete or rock that is not part of a tunneling operation or road construction.
- Any other operation at a project that requires the handling of silica-containing material in a way that may result in a worker being exposed to airborne silica.
- Entry into a dry mortar removal or abrasive blasting area while airborne dust is visible for less than 15 minutes for inspection and/or sampling.



Type 2 Operations

- Removal of silica containing refractory materials with a jackhammer.
- The drilling of holes in concrete or rock that is part of a tunneling or road construction.
- The use of a power tool to cut, grind, or polish concrete, masonry, terrazzo or refractory materials.
- The use of a power tool to remove silica containing materials.
- Tuckpoint and surface grinding.
- Dry mortar removal with an electric or pneumatic cutting device.
- Dry method dust cleanup from abrasive blasting operations.
- Entry into area where abrasive blasting is being carried out for more than 15 minutes.

Type 3 Operations

- Abrasive blasting with an abrasive that contains ≥ 1 percent silica.
- Abrasive blasting of a material that contains ≥ 1 percent silica.

BENZENE

Benzene is present as a component of fuel in the above ground fuel storage tank for the emergency generator located in the building.

Benzene is a natural part of crude oil and gasoline. Benzene, or Benzol, is a colorless liquid with a sweet or aromatic hydrocarbon odour. It evaporates into the air very quickly and dissolves slightly in water. It is highly flammable and is formed from both natural processes and human activities. Exposure to pure benzene within buildings other than where it is produced or used as part of a manufacturing process is unlikely. Breathing benzene can cause drowsiness, dizziness, and unconsciousness; long-term benzene exposure causes effects on the bone marrow and can cause anemia and leukemia.

- Prior to removal, repair or decommissioning of the tank and its contents (suspected to contain benzene as a fuel component) should be removed and disposed following all applicable Regulations and/or industry standards.

OTHER DESIGNATED SUBSTANCES - Acrylonitrile, Arsenic, Coke Oven Emissions, Ethylene Oxide, Isocyanates and Vinyl Chloride

The building is not and was not used for any process or manufacturing, therefore none of the other Designated Substances listed above are suspected to be present.

Other Hazardous Materials - PCBs

Light fixtures currently operational were not opened for inspection for the confirmation of the presence/absence of PCBs. In many cases, light fixtures in facilities built prior to 1979 and having T-12 ballasts are assumed to be PCB-containing until proven otherwise.

PCB-containing ballasts are identified by model number, serial number, and date code, as listed in *Environment of Canada Identification of Lamp Ballasts Containing PCBs – Report EPS 2/CC/2 (revised) August 1991*.



Follow all Regulations about PCBs [Federal PCB Regulations, SOR/2008-273, and Ontario Regulation (Environmental Protection Act) R.R.O. 1990, Regulation 362 Waste Management – PCBs - last amendment O. Reg. 232/11] for handling and disposal.

Other Hazardous Materials – Mould

Historic mould contamination was observed at select current project locations. No active water intrusion was observed within the current project locations.

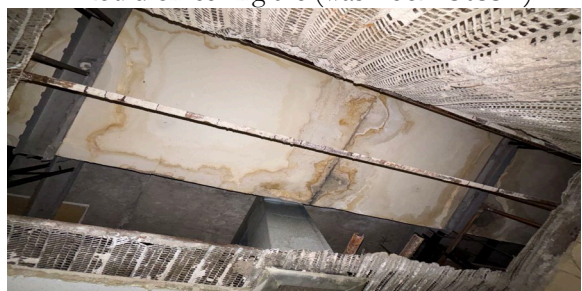
Typical representation of mould contamination is provided in the pictures below.



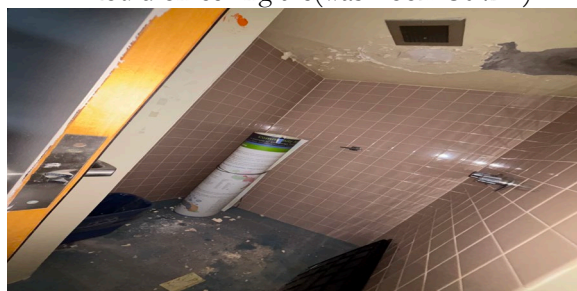
Mould on ceiling tile (washroom 3033A)



Mould on ceiling tile (washroom 3042A)



Water-damaged plaster ceiling (washroom 3038A)



Water-damaged plaster ceiling (washroom 3085A)

Minor scale efflorescence was observed in the washrooms within the current project locations.

Mould remediation procedures per the [UofT Mould Control Program](#) and [UofT Procedures for Mould Remediation](#) shall be followed to remediate the mould-contaminated materials

TRAINING

Any worker who may inadvertently come into contact with any asbestos-containing materials in the course of their work for the current project must have at a minimum Asbestos Awareness Training as outlined in the University of Toronto, Asbestos Management Program, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>.

Workers performing any asbestos work will require appropriate training, including respirator fit testing, as identified in Ontario Regulation 278/05 and the University of Toronto Asbestos Management Program, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

Workers performing removal or disturbance of surfaces applied with lead based paint and lead-containing materials shall have appropriate training, including respirator fit testing, as identified in Ontario Ministry of Labour, Immigration, Training and Skills Development Guidelines for Lead on



Construction Projects, available at <https://www.labour.gov.on.ca/english/hs/pubs/lead/> and the University of Toronto Lead Management Program/Standard Operating Procedures for the Control of Lead During Building Maintenance and Construction Activities, available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

Workers performing removal or disturbance of silica-containing materials shall have appropriate training, including respirator fit testing, as identified in Ontario Ministry of Labour Guideline “Silica on Construction Projects” available at <https://www.labour.gov.on.ca/english/hs/pubs/silica/> and The University of Toronto “Crystalline Silica Procedures” available at <https://ehs.utoronto.ca/resources/policies-and-procedures/>. In case of conflict, the more stringent procedures shall apply.

Workers performing removal or disturbance of other hazardous materials shall require appropriate training as specified in the relevant regulations/guidelines.

Work will only be allowed once the training certificates of workers working inside asbestos enclosures are verified by the consultants and/or the University of Toronto designated staff.

CONCLUSION

The conclusions provided below are based on available reports, bulk sampling records and current investigation/sampling for accessible designated substances in building materials for the project “Math Office Renovation P164-24-165” and other areas of the facility located at 33 Ursula Franklin Street (Building #164).

- Designated Substances [Asbestos, Lead (any concentration), Mercury and Silica] are present within the current project locations and other areas of the building.
- Designated Substance [Benzene], as a fuel component, is present in the above-ground tank for the emergency generator.

NOTE: If additional materials not covered in this report are discovered during the project activities and suspected of containing designated substances, all work that may disturb the material shall be stopped, and an investigation (i.e., sampling and analysis) undertaken to determine the presence of any designated substances.

CLOSURE

The conclusions presented in this report represent the best technical judgment based on the data obtained from the review of available reports, abatement records, bulk sampling records and current investigations of the current project locations during this survey. The conclusions are based on the site conditions at the time the survey was performed at the specific testing and/or sampling locations and can only be extrapolated to an undefined, limited area around these locations.

Information provided in this report is intended for the subject project in compliance with the requirements under Section 30 of the Ontario Occupational Health and Safety Act (OHSA), Revised Statutes of Ontario 1990, as amended. Any use by a third party of this report or any reliance by a third party on our decisions made by a third party based on the findings described in this report is the sole responsibility of such third parties. The University of Toronto F&S Hazardous Construction Materials Group accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted



If any conditions become apparent that differ significantly from our understanding of conditions as presented in this report, we request that we be notified immediately to reassess the conclusions provided herein.

Sincerely,

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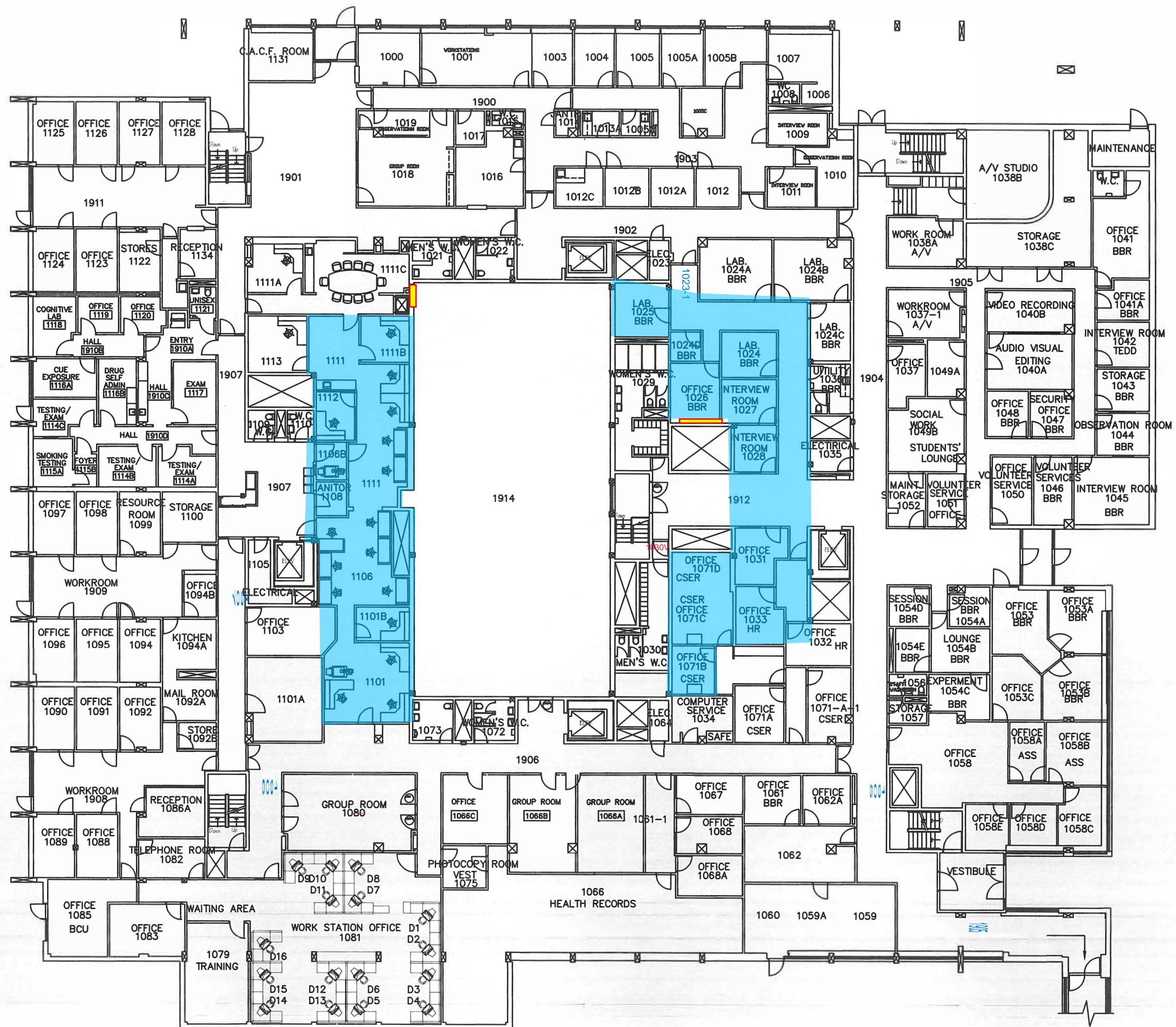
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APPENDIX A

Fireproofing Locations Floor Plans





APPENDIX B

Flooring Status Floor Plans

- [illegible]

- Concrete Floor
- Non-ACM Epoxy Flooring
- Non-ACM Carpet Adhesive (Carpet on concrete)
- Non-ACM Vinyl Sheet Flooring
- Non-ACM Vinyl Floor Tiles
- Carpet over ACM Vinyl Tiles (Non-ACM Mastic)
- ACM Vinyl Tiles (Non-ACM Mastic)
- Carpet over Non-ACM Vinyl Floor Tiles
- Carpet over Non-ACM Epoxy Flooring





APPENDIX C

Laboratory Analytical Results



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0001A FLOOR,VINYL FLOOR TILE AND MASTIC, 12X12 GREY WITH WHITE AND BLACK FLECK,LOC:1,4TH FLOOR CORRIDORS					
Bureau Veritas ID:		UVX704		Date Analyzed: 2023/01/26	
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	98	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	2	Non-homogeneous black/yel low mastic	Chrysotile 2%		Non-Fibrous

S0001B FLOOR,VINYL FLOOR TILE AND MASTIC, 12X12 GREY WITH WHITE AND BLACK FLECK,LOC:1,4TH FLOOR CORRIDORS					
Bureau Veritas ID:		UVX705		Date Analyzed: 2023/01/26	
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	97	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	2	Non-homogeneous black/colourless mastic	N/A		
		Comment: Not Analyzed - Positive Stop			
Layer 3	1	Homogeneous colourless mastic	Not Detected		Non-Fibrous
		Comment: Layer is small in size			

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0001C FLOOR,VINYL FLOOR TILE AND MASTIC, 12X12 GREY WITH WHITE AND BLACK FLECK,LOC:1,4TH FLOOR CORRIDORS					
Bureau Veritas ID:		UVX706		Date Analyzed:	2023/01/26
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	98	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	2	Non-homogeneous black/colourless mastic	N/A		
Comment: Not Analyzed - Positive Stop					

S0002A FLOOR,VINYL FLOOR TILE AND MASTIC, 12X12 DARK GREY MOTTLED,LOC:1,4TH FLOOR CORRIDORS					
Bureau Veritas ID:		UVX707		Date Analyzed:	2023/01/26
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	98	Homogeneous dark grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	2	Homogeneous black mastic	Chrysotile 2%		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0002B FLOOR,VINYL FLOOR TILE AND MASTIC, 12X12 DARK GREY MOTTLED,LOC:1,4TH FLOOR CORRIDORS					
Bureau Veritas ID: UVX708		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	98	Homogeneous dark grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	2	Homogeneous black mastic	N/A		
Comment: Not Analyzed - Positive Stop					

S0002C FLOOR,VINYL FLOOR TILE AND MASTIC, 12X12 DARK GREY MOTTLED,LOC:1,4TH FLOOR CORRIDORS					
Bureau Veritas ID: UVX709		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	98	Homogeneous dark grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	2	Homogeneous black mastic	N/A		
Comment: Not Analyzed - Positive Stop					

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0003A CEILING,CEILING TILES (GLUE-ON),12X12 PINHOLE AND FISSURE,LOC:1,4TH FLOOR CORRIDORS						
Bureau Veritas ID:		UVX7 10		Date Analyzed: 2023/01/26		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous beige ceiling tile	Not Detected	Cellulose	4%	Non-Fibrous
				Glass Fibres	40%	
				Mineral Wool	36%	

S0003B CEILING,CEILING TILES (GLUE-ON),12X12 PINHOLE AND FISSURE,LOC:1,4TH FLOOR CORRIDORS						
Bureau Veritas ID:		UVX7 11		Date Analyzed: 2023/01/26		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	97	Homogeneous beige ceiling tile	Not Detected	Cellulose	4%	Non-Fibrous
				Glass Fibres	40%	
				Mineral Wool	36%	
Layer 2	3	Homogeneous brown adhesive	Not Detected			Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0003C CEILING, CEILING TILES (GLUE-ON), 12X12 PINHOLE AND FISSURE, LOC: 1, 4TH FLOOR CORRIDORS						
Bureau Veritas ID:		UVX712		Date Analyzed: 2023/01/26		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	95	Homogeneous beige ceiling tile	Not Detected	Cellulose	4%	Non-Fibrous
				Glass Fibres	40%	
				Mineral Wool	36%	
Layer 2	5	Homogeneous brown adhesive	Not Detected			Non-Fibrous

S0004A WALL, PLASTER, LOC: 1, 4TH FLOOR CORRIDORS						
Bureau Veritas ID:		UVX713		Date Analyzed: 2023/01/26		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	55	Homogeneous beige plaster	Not Detected			Non-Fibrous
Layer 2	40	Homogeneous grey rough plaster	Not Detected			Non-Fibrous
Layer 3	5	Homogeneous yellow mastic	Not Detected			Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0004B WALL,PLASTER,LOC:33,OFFICES 4084 & 4085					
Bureau Veritas ID: UVX714		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	60	Homogeneous beige plaster	Not Detected		Non-Fibrous
Layer 2	40	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

S0004C WALL,PLASTER,NEAR JANITOR 3066,LOC:93,3RD FLOOR CORRIDORS					
Bureau Veritas ID: UVX715		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	55	Homogeneous beige plaster	Not Detected		Non-Fibrous
Layer 2	45	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0004D WALL,PLASTER,LOC:125,OFFICE 1					
Bureau Veritas ID:		UVX716		Date Analyzed: 2023/01/26	
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	50	Homogeneous beige plaster	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

S0004E WALL,PLASTER,LOC:125,OFFICE 1					
Bureau Veritas ID:		UVX717		Date Analyzed: 2023/01/26	
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	55	Homogeneous beige plaster	Not Detected		Non-Fibrous
Layer 2	45	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

S0004F WALL,PLASTER,LOC:138,TELEMENTAL HEALTH					
Bureau Veritas ID:		UVX718		Date Analyzed: 2023/01/26	
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	97	Homogeneous beige plaster	Not Detected		Non-Fibrous
Layer 2	3	Homogeneous grey rough plaster	Not Detected		Non-Fibrous
Comment: Layer is small in size					

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0004G WALL,PLASTER,LOC:138,TELEME NTAL HEALTH						
Bureau Veritas ID:		UVX7 19			Date Analyzed:	2023/01/26
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>		<u>Particulate</u>
Layer 1	97	Homogeneous beige plaster	Not Detected			Non-Fibrous
Layer 2	3	Homogeneous grey rough plaster	Not Detected			Non-Fibrous
	Comment:	Layer is small in size				

S0006A WALL,DRYWALL AND JOINT COMPOUND,WHITE COMPOUND,LOC:2,ELECTRICAL ROOM						
Bureau Veritas ID:		UVX7 20			Date Analyzed: 2023/01/26	
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected			Non-Fibrous

S0006B WALL,DRYWALL AND JOINT COMPOUND,WHITE COMPOUND,LOC:2,ELECTRICAL ROOM						
Bureau Veritas ID:		UVX7 21			Date Analyzed: 2023/01/26	
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected	Glass Fibres	1%	Non-Fibrous
				Synthetic fibres	<0.50%	

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0006 C WALL,ALL,DRYWALL AND JOINT COMPOUND,LOC:124,STORAGE ROOM 1					
Bureau Veritas ID: U VX7 22		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0006D WALL,DRYWALL AND JOINT COMPOUND,WHITE COMPOUND,LOC:26,ELECTRICAL ROOM					
Bureau Veritas ID: U VX7 23		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0006E WALL,DRYWALL AND JOINT COMPOUND,LOC:106,CAFETERIA					
Bureau Veritas ID: U VX7 24		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	50	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey cementitious material	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0006F WALL, DRYWALL AND JOINT COMPOUND, LOC:1, 4TH FLOOR CORRIDORS					
Bureau Veritas ID: UUVX725		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0006G WALL, DRYWALL AND JOINT COMPOUND, PERIMETER WALL, LOC:120, 1ST FLOOR CORRIDORS					
Bureau Veritas ID: UUVX726		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0008A CEILING, PLASTER, METAL LATH, LOC:3, HOUSE KEEPING					
Bureau Veritas ID: UUVX727		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	15	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	85	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0008B CEILING, PLASTER, METAL LATH, LOC:105, HOUSEKEEPING					
Bureau Veritas ID: UVX728		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	80	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	20	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

S0008C CEILING, PLASTER, METAL LATH, LOC:105, HOUSEKEEPING					
Bureau Veritas ID: UVX729		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	80	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	20	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

S0012A PIPING, PARGING CEMENT, 2 ELBOWS, LOC:25, MAINTENANCE					
Bureau Veritas ID: UVX730		Date Analyzed: 2023/01/26			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous off-white parging cement	Chrysotile 45%		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0012B PIPING,PARGING CEMENT,2 ELBOWS,LOC:25,MAINTENANCE					
Bureau Veritas ID: U VX731		Date Analyzed: 2023/01/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
	Comment:	Not Analyzed - Positive Stop			

S0012C PIPING,PARGING CEMENT,2 ELBOWS,LOC:25,MAINTENANCE					
Bureau Veritas ID: U VX732		Date Analyzed: 2023/01/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
	Comment:	Not Analyzed - Positive Stop			

S0015A CEILING,CEILING TILES (LAY-IN),24X24 DEEP FISSURE (ROOM 3080 WASHROOM),LOC:95,3RD FLOOR OFFICE WASHROOMS					
Bureau Veritas ID: U VX733		Date Analyzed: 2023/01/27			
P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate	
Layer 1	100 Homogeneous beige ceiling tile	Not Detected	Cellulose 15% Glass Fibres 35% Mineral Wool 30%	Non-Fibrous	

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0015 B CEILING,CEILING TILES (LAY-IN),24X24 DEEP FISSURE (ROOM 3080 WASHROOM),LOC:95,3RD FLOOR OFFICE WASHROOMS						
Bureau Veritas ID:		UVX734		Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous beige ceiling tile	Not Detected	Cellulose	15%	Non-Fibrous
				Glass Fibres	35%	
				Mineral Wool	30%	

S0015C CEILING,CEILING TILES (LAY-IN),24X24 DEEP FISSURE (ROOM 3080; 3084; 3086; 3034),LOC:95,3RD FLOOR OFFICE WASHROOMS						
Bureau Veritas ID:		UVX735		Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous beige ceiling tile	Not Detected	Cellulose	15%	Non-Fibrous
				Glass Fibres	35%	
				Mineral Wool	30%	

S0016A CEILING, DRYWALL AND JOINT COMPOUND,CORRIDOR 310,LOC:93,3RD FLOOR CORRIDORS						
Bureau Veritas ID:		UVX736		Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected			Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0016B CEILING, DRYWALL AND JOINT COMPOUND, CORRIDOR 310, LOC: 93, 3RD FLOOR CORRIDORS					
Bureau Veritas ID: UUVX737		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0016C CEILING, DRYWALL AND JOINT COMPOUND, CORRIDOR 310, LOC: 93, 3RD FLOOR CORRIDORS					
Bureau Veritas ID: UUVX738		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0016D CEILING, DRYWALL AND JOINT COMPOUND, LOC: 108, 2ND FLOOR WEST OFFICES					
Bureau Veritas ID: UUVX739		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0016E CEILING, DRYWALL AND JOINT COMPOUND, LOC:120, 1ST FLOOR CORRIDORS					
Bureau Veritas ID: U VX740		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0016F CEILING, DRYWALL AND JOINT COMPOUND, LOC:137, RESOURCE LAB WASHROOM 2					
Bureau Veritas ID: U VX741		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0016 G CEILING, DRYWALL AND JOINT COMPOUND, LOC:137, RESOURCE LAB WASHROOM 2					
Bureau Veritas ID: U VX742		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0019A CEILING,CEILING TILES (LAY-IN),24X48 RANDOM PINHOLE (CORRIDOR NEXT 1031),LOC:120,1ST FLOOR CORRIDORS						
Bureau Veritas ID:		UVX743		Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous beige ceiling tile	Not Detected	Cellulose	30%	Non-Fibrous
				Glass Fibres	30%	
				Mineral Wool	15%	

S0019B CEILING,CEILING TILES (LAY-IN),24X48 RANDOM PINHOLE (CORRIDOR NEXT 1031),LOC:120,1ST FLOOR CORRIDORS						
Bureau Veritas ID:		UVX744		Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous beige ceiling tile	Not Detected	Cellulose	30%	Non-Fibrous
				Glass Fibres	30%	
				Mineral Wool	15%	

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0019C CEILING, CEILING TILES (LAY-IN), 24X48 RANDOM PINHOLE (CORRIDOR NEXT 1031), LOC: 120, 1ST FLOOR CORRIDORS						
Bureau Veritas ID:		UVX745		Date Analyzed: 2023/01/27		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>		<u>Particulate</u>
Layer 1	100	Homogeneous beige ceiling tile	Not Detected	Cellulose	30%	Non-Fibrous
				Glass Fibres	30%	
				Mineral Wool	15%	

S0020A STRUCTURE, FIREPROOFING (FIBROUS), GREEN ON STEEL BEAMS AND CONCRETE DECK (FOUND OUTSIDE OFFICE 1031 WHERE LA-IN TILES ARE), LOC: 120, 1ST FLOOR CORRIDORS						
Bureau Veritas ID:		UVX746		Date Analyzed: 2023/01/27		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>		<u>Particulate</u>
Layer 1	100	Homogeneous light green fire proofing	Not Detected	Cellulose	10%	Non-Fibrous

S0020B STRUCTURE, FIREPROOFING (FIBROUS), GREEN ON STEEL BEAMS AND CONCRETE DECK (FOUND OUTSIDE OFFICE 1031 WHERE LA-IN TILES ARE), LOC: 120, 1ST FLOOR CORRIDORS						
Bureau Veritas ID:		UVX747		Date Analyzed: 2023/01/27		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>		<u>Particulate</u>
Layer 1	100	Homogeneous light green fire proofing	Not Detected	Cellulose	10%	Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0020C STRUCTURE, FIREPROOFING (FIBROUS), GREEN ON STEEL BEAMS AND CONCRETE DECK (FOUND OUTSIDE OFFICE 1031 WHERE LA-IN TILES ARE), LOC:120, 1ST FLOOR CORRIDORS						
Bureau Veritas ID: UVX748		Date Analyzed: 2023/01/27				
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate	
Layer 1	100	Homogeneous light green fire proofing	Not Detected	Cellulose 10%	Non-Fibrous	

S0022A CAULKING, BROWN ON FLASHING, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)						
Bureau Veritas ID: UVX752		Date Analyzed: 2023/01/27				
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate	
Layer 1	100	Homogeneous dark brown caulking	Not Detected		Non-Fibrous	

S0022B CAULKING, BROWN ON FLASHING, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)						
Bureau Veritas ID: UVX753		Date Analyzed: 2023/01/27				
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate	
Layer 1	100	Homogeneous dark brown caulking	Not Detected		Non-Fibrous	

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0022C CAULKING, BROWN ON FLASHING, LOC:122, ROOF (TOWER BUILDING)					
Bureau Veritas ID: UVX754		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous dark brown caulking	Not Detected		Non-Fibrous

S0023A TAR, BLACK PAINTED OVER BROWN CAULKING ON TIE OFFS, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)					
Bureau Veritas ID: UVX755		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black tar	Not Detected		Non-Fibrous

S0023B TAR, BLACK PAINTED OVER BROWN CAULKING ON TIE OFFS, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)					
Bureau Veritas ID: UVX756		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black tar	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0023C TAR, BLACK PAINTED OVER BROWN CAULKING ON TIE OFFS, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)					
Bureau Veritas ID: U VX757		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous black tar	Not Detected		Non-Fibrous

S0025A CAULKING, WHITE ON DUCTS, LOC:122, ROOF (TOWER BUILDING)					
Bureau Veritas ID: U VX761		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white caulking	Not Detected		Non-Fibrous

S0025B CAULKING, WHITE ON DUCTS, LOC:122, ROOF (TOWER BUILDING)					
Bureau Veritas ID: U VX762		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0025C CAULKING,WHITE ON DUCTS,LOC:122,ROOF (TOWER BUILDING)					
Bureau Veritas ID: U VX763		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white caulking	Not Detected		Non-Fibrous

S0027A PIPING,PARGING OVER FIBREGLASS,LOC:160,PARKING LEVEL 3					
Bureau Veritas ID: U VX764		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey parging cement	Chrysotile 40%		Non-Fibrous

S0027B PIPING,PARGING OVER FIBREGLASS,LOC:160,PARKING LEVEL 3					
Bureau Veritas ID: U VX765		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0027C PIPING,PARGING OVER FIBREGLASS,LOC:160,PARKING LEVEL 3					
Bureau Veritas ID: UVX766		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0028A CEILING,ALL,DRY WALL AND JOINT COMPOUND,LOC:700,ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX767		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0028B CEILING,ALL,DRY WALL AND JOINT COMPOUND,LOC:700,ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX768		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0028C					
Bureau Veritas ID: UVX769		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0028D CEILING, DRYWALL AND JOINT COMPOUND, LOC:1008, OFFICE SPACE 1 (TOWER BUILDING)					
Bureau Veritas ID: UVX770		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0028E CEILING, DRYWALL AND JOINT COMPOUND, LOC:1008, OFFICE SPACE 1 (TOWER BUILDING)					
Bureau Veritas ID: UVX771		Date Analyzed: 2023/01/27			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0029A WALL,ALL,DRYWALL AND JOINT COMPOUND,LOC:700,ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID:		UVX772	Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	50	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey drywall joint compound	Not Detected		Non-Fibrous

S0029B WALL,ALL,DRYWALL AND JOINT COMPOUND,LOC:700,ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID:		UVX773	Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey drywall joint compound	Not Detected		Non-Fibrous

S0029C WALL,ALL,DRYWALL AND JOINT COMPOUND,LOC:601,LAB LUNCHROOM AND CORRIDOR (TOWER BUILDING)					
Bureau Veritas ID:		UVX774	Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey drywall joint compound	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0029D WALL,ALL,DRYWALL AND JOINT COMPOUND,LOC:601,LAB LUNCHROOM AND CORRIDOR (TOWER BUILDING)					
Bureau Veritas ID:		UVX775		Date Analyzed: 2023/01/27	
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0029E WALL,ALL,DRYWALL AND JOINT COMPOUND,LOC:400,4TH FLOOR ELEVATOR LOB BY (TOWER BUILDING)					
Bureau Veritas ID:		UVX776		Date Analyzed: 2023/01/27	
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0029F WALL,ALL,DRYWALL AND JOINT COMPOUND,LOC:203,JANITOR CLOSET (TOWER BUILDING)					
Bureau Veritas ID:		UVX777		Date Analyzed: 2023/01/27	
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Non-homogeneous grey/beige drywall joint compound	Chrysotile 1%		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0029G WALL,ALL,DRYWALL AND JOINT COMPOUND,LOC:203,JANITOR CLOSET (TOWER BUILDING)					
Bureau Veritas ID:		UVX778		Date Analyzed: 2023/01/27	
	P.O.B	Sample Morphology	Asbestos		Particulate
Layer 1	100	Non-homogeneous grey/beige drywall joint compound	Chrysotile	1%	Non-Fibrous

S0030A WALL,PLASTER,LOC:700,ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID:		UVX779		Date Analyzed: 2023/01/27	
	P.O.B	Sample Morphology	Asbestos		Particulate
Layer 1	70	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	30	Homogeneous grey plaster	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0030B WALL,PLASTER,LOC:700,ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX780		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	70	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	30	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0030C WALL,PLASTER,LOC:600,6TH FLOOR ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX781		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	70	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	30	Homogeneous grey plaster	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0030D WALL,PLASTER,LOC:600,6TH FLOOR ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX782		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	70	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	30	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0030E WALL,PLASTER,LOC:400,4TH FLOOR ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX783		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	70	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	30	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0030F WALL,PLASTER,LOC:404, 4TH FLOOR OFFICE AREA 1 (TOWER BUILDING)					
Bureau Veritas ID: UVX784		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white plaster	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0030G WALL,PLASTER,LOC:404,4TH FLOOR OFFICE AREA 1 (TOWER BUILDING)					
Bureau Veritas ID: UVX785		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	70	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	30	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0031A CEILING,ALL,PLASTER,LOC:600,6TH FLOOR ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX786		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	97	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	3	Homogeneous grey rough plaster	Not Detected		Non-Fibrous
		Comment: Layer is small in size			

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0031B CEILING,ALL,PLASTER,LOC:600,6TH FLOOR ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX787		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	97	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	3	Homogeneous grey rough plaster	Not Detected		Non-Fibrous
Comment: Layer is small in size					

S0031C CEILING,ALL,PLASTER,LOC:300,3RD FLOOR ELEVATOR LOBBY (TOWER BUILDING)					
Bureau Veritas ID: UVX788		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	60	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	40	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0031D CEILING,ALL,PLASTER,LOC:300,3RD FLOOR ELEVATOR LOBBY (TOWER BUILDING)						
Bureau Veritas ID:		UVX789		Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	60	Homogeneous white plaster	Not Detected			Non-Fibrous
Layer 2	40	Homogeneous light grey cementitious material	Not Detected	Cellulose	2%	Non-Fibrous
				Glass Fibres	2%	

S0031E CEILING,ALL,PLASTER,LOC:205,LIBRARY (TOWER BUILDING)						
Bureau Veritas ID:		UVX790		Date Analyzed: 2023/01/27		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	70	Homogeneous white plaster	Not Detected			Non-Fibrous
Layer 2	30	Homogeneous grey rough plaster	Not Detected			Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0031F CEILING, ALL, PLASTER, LOC:205, LIBRARY (TOWER BUILDING)					
Bureau Veritas ID: UVX791		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	60	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	40	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

S0031G CEILING, ALL, PLASTER, LOC:205, LIBRARY (TOWER BUILDING)					
Bureau Veritas ID: UVX792		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	50	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey rough plaster	Not Detected		Non-Fibrous

S0032A PIPING, ALL, PARGING CEMENT, LOC:502, ELECTRICAL ROOM (TOWER BUILDING)					
Bureau Veritas ID: UVX793		Date Analyzed: 2023/01/27			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous off-white parging cement	Chrysotile 50%		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0032B PIPING,ALL,PARGING CEMENT,LOC:502,ELECTRICAL ROOM (TOWER BUILDING)					
Bureau Veritas ID:	UVX794		Date Analyzed: 2023/01/27		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0032C PIPING,ALL,PARGING CEMENT,LOC:502,ELECTRICAL ROOM (TOWER BUILDING)					
Bureau Veritas ID:	UVX795		Date Analyzed: 2023/01/27		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX704
Sample ID: S0001A FLOOR, VINYL FLOOR TILE AND MASTIC, 12X12 GREY WITH WHITE AND BLACK FLECK WITH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX705
Sample ID: S0001B FLOOR, VINYL FLOOR TILE AND MASTIC, 12X12 GREY WITH WHITE AND BLACK FLECK WITH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX706
Sample ID: S0001C FLOOR, VINYL FLOOR TILE AND MASTIC, 12X12 GREY WITH WHITE AND BLACK FLECK WITH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX707
Sample ID: S0002A FLOOR, VINYL FLOOR TILE AND MASTIC, 12X12 DARK GREY MOTTLED, LOC: 1,4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX707 Dup
Sample ID: S0002A FLOOR, VINYL FLOOR TILE AND MASTIC, 12X12 DARK GREY MOTTLED, LOC: 1,4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX708
Sample ID: S0002B FLOOR, VINYL FLOOR TILE AND MASTIC, 12X12 DARK GREY MOTTLED, LOC: 1,4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX709
Sample ID: S0002C FLOOR, VINYL FLOOR TILE AND MASTIC, 12X12 DARK GREY MOTTLED, LOC: 1,4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX710
Sample ID: S0003A CEILING,CEILING TILES (GLUE-ON),12X12 PINHOLE AND FISSURE,LOC:1,4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX711
Sample ID: S0003B CEILING,CEILING TILES (GLUE-ON),12X12 PINHOLE AND FISSURE,LOC:1,4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX712
Sample ID: S0003C CEILING,CEILING TILES (GLUE-ON),12X12 PINHOLE AND FISSURE,LOC:1,4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX713
Sample ID: S0004A WALL,PLASTER,LOC:1,4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX714
Sample ID: S0004B WALL,PLASTER,LOC:33,OFFICES 4084 & AMP; 4085
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX714 Dup
Sample ID: S0004B WALL,PLASTER,LOC:33,OFFICES 4084 & AMP; 4085
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX715
Sample ID: S0004C WALL,PLASTER,N EAR JANITOR 3066,LOC:9,3 RD FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX716
Sample ID: S0004D WALL, PLASTER, LOC:125, OFFICE 1
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX717
Sample ID: S0004E WALL, PLASTER, LOC:125, OFFICE 1
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX718
Sample ID: S0004F WALL, PLASTER, LOC:138, TELEMENTAL HEALTH
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX718 Dup
Sample ID: S0004F WALL, PLASTER, LOC:138, TELEMENTAL HEALTH
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX719
Sample ID: S0004G WALL, PLASTER, LOC:138, TELEMENTAL HEALTH
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX720
Sample ID: S0006A WALL, DRYWALL AND JOINT COMPOUND, WHITE COMPOUND, LOC:2, ELECTRICAL ROOM
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX721
Sample ID: S0006B WALL, DRYWALL AND JOINT COMPOUND, WHITE COMPOUND, LOC:2, ELECTRICAL ROOM
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX722
Sample ID: S0006 C WALL, ALL DRYWALL AND JOINT COMPOUND, LOC:124, STORAGE ROOM 1
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX723
Sample ID: S0006D WALL, DRYWALL AND JOINT COMPOUND, WHITE COMPOUND, LOC:26, ELECTRICAL ROOM
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX724
Sample ID: S0006E WALL, DRYWALL AND JOINT COMPOUND, LOC:106, CAFE TERRA
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX725
Sample ID: S0006F WALL, DRYWALL AND JOINT COMPOUND, LOC:1, 4TH FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX726
Sample ID: S0006G WALL, DRYWALL AND JOINT COMPOUND, PERIMETER WALL, LOC:120, 1ST FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX727
Sample ID: S0008A CEILING, PLASTER, METAL LATH, LOC:3, HOUSE KEEPING
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX728
Sample ID: S0008B CEILING, PLASTER, METAL LATH, LOC:105, HOUSE KEEPING
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX728 Dup
Sample ID: S0008B CEILING, PLASTER, METAL LATH, LOC:105, HOUSE KEEPING
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX729
Sample ID: S0008C CEILING, PLASTER, METAL LATH, LOC:105, HOUSE KEEPING
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX730
Sample ID: S0012A PIPING, PARGING CEMENT, 2 ELBOWS, LOC:25, MAINTENANCE
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX731
Sample ID: S0012B PIPING, PARGING CEMENT, 2 ELBOWS, LOC:25, MAINTENANCE
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX732
Sample ID: S0012C PIPING, PARGING CEMENT, 2 ELBOWS, LOC:25, MAINTENANCE
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX733
Sample ID: S0015A CEILING, CEILING TILES (LAY-IN), 24X24 DEEP FISSURE (ROOM 3080 WASHROOM), LOBBY AND FLOOR OFFICE WASHROOMS
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX734
Sample ID: S0015B CEILING, CEILING TILES (LAY-IN), 24X24 DEEP FISSURE (ROOM 3080 WASHROOM), LOBBY AND FLOOR OFFICE WASHROOMS
Matrix: Solid

Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX735
Sample ID: S0015C CEILING,CEILING TILES (LAY-IN),24X24 DEEP FISSURE (ROOM 3080; 3084; 3086; 3088)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX736
Sample ID: S0016A CEILING, DRYWALL AND JOINT COMPOUND, CORRIDOR 310, LOC: 93, 3RD FLOOR CORRIDOR
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX737
Sample ID: S0016B CEILING, DRYWALL AND JOINT COMPOUND, CORRIDOR 310, LOC: 93, 3RD FLOOR CORRIDOR
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX738
Sample ID: S0016C CEILING, DRYWALL AND JOINT COMPOUND, CORRIDOR 310, LOC: 93, 3RD FLOOR CORRIDOR
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX738 Dup
Sample ID: S0016C CEILING, DRYWALL AND JOINT COMPOUND, CORRIDOR 310, LOC: 93, 3RD FLOOR CORRIDOR
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX739
Sample ID: S0016D CEILING, DRYWALL AND JOINT COMPOUND, LOC: 108, 2ND FLOOR WEST OFFICES
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX740
Sample ID: S0016E CEILING, DRYWALL AND JOINT COMPOUND, LOC: 120, 1ST FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX741
Sample ID: S0016F CEILING, DRYWALL AND JOINT COMPOUND, LOC:137, RESOURCE LAB WASHROOM 2
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX742
Sample ID: S0016G CEILING, DRYWALL AND JOINT COMPOUND, LOC:137, RESOURCE LAB WASHROOM 2
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX743
Sample ID: S0019A CEILING, CEILING TILES (LAY-IN), 24X48 RANDOM PINHOLE (CORRIDOR NEXT 1031), 1ST FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX744
Sample ID: S0019B CEILING, CEILING TILES (LAY-IN), 24X48 RANDOM PINHOLE (CORRIDOR NEXT 1031), 1ST FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX745
Sample ID: S0019C CEILING, CEILING TILES (LAY-IN), 24X48 RANDOM PINHOLE (CORRIDOR NEXT 1031), 1ST FLOOR CORRIDORS
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8470498	N/A	2023/01/27	Rayana De Oliveira Cardoso

Bureau Veritas ID: UVX746
Sample ID: S0020A STRUCTURE, FIREPROOFING (FIBROUS), GREEN ON STEEL BEAMS AND CONCRETE DECKING AND OUTSIDE OFFICE 1031 WHE
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX747
Sample ID: S0020B STRUCTURE, FIREPROOFING (FIBROUS), GREEN ON STEEL BEAMS AND CONCRETE DECKING AND OUTSIDE OFFICE 1031 WHE
Matrix: Solid
Collected: 2023/01/18
Shipped:
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX748
Sample ID: S0020C STRUCTURE, FIREPROOFING (FIBROUS), GREEN ON STEEL BEAMS AND CONCRETE DECKING AND OUTSIDE OFFICE 1031 WHE
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX752
Sample ID: S0022A CAULKING, BROWN ON FLASHING, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX753
Sample ID: S0022B CAULKING, BROWN ON FLASHING, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX754
Sample ID: S0022C CAULKING, BROWN ON FLASHING, LOC:122, ROOF (TOWER BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX754 Dup
Sample ID: S0022C CAULKING, BROWN ON FLASHING, LOC:122, ROOF (TOWER BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX755
Sample ID: S0023A TAR, BLACK PAINTED OVER BROWN CAULKING ON TIE OFFS, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX756
Sample ID: S0023B TAR, BLACK PAINTED OVER BROWN CAULKING ON TIE OFFS, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/18
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad



Bureau Veritas Job #: C319015
Report Date: 2023/01/27

Pinchin Ltd
Client Project #: 315632.003
Sampler Initials: AB

TEST SUMMARY

Bureau Veritas ID: UVX757
Sample ID: S0023C TAR, BLACK PAINTED OVER BROWN CAULKING ON TIE OFFS, LOC:121, ROOF MAIN BUILDING (CLINICAL BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX761
Sample ID: S0025A CAULKING, WHITE ON DUCTS, LOC:122, ROOF (TOWER BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX762
Sample ID: S0025B CAULKING, WHITE ON DUCTS, LOC:122, ROOF (TOWER BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX763
Sample ID: S0025C CAULKING, WHITE ON DUCTS, LOC:122, ROOF (TOWER BUILDING)
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX764
Sample ID: S0027A PIPING, PARGING OVER FIBREGLASS, LOC:160, PARKING LEVEL 3
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX765
Sample ID: S0027B PIPING, PARGING OVER FIBREGLASS, LOC:160, PARKING LEVEL 3
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

Bureau Veritas ID: UVX766
Sample ID: S0027C PIPING, PARGING OVER FIBREGLASS, LOC:160, PARKING LEVEL 3
Matrix: Solid
Collected: 2023/01/18
Shipped: 2023/01/20
Received: 2023/01/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	8472382	N/A	2023/01/27	Haseeb Ahmad

rookery 21A-C 24A-C kept @ Pinchin

Analysed by: _____

Reviewed by: _____

Report sent by: _____

20-Jan-23 09:20

Julie Clement



C319015

MUM ENV 1320

Pinchin Ltd. - Asbestos Laboratory

Internal Asbestos Bulk Sample Chain of Custody

Client Name:		Project Address:	
Portfolio/Building No:		Pinchin File:	315632.003
Submitted by:	Joshua Samuel	Email:	jsamuel@pinchin.com
CC Results to:	Alex Brett	CC Email:	abrett@pinchin.com
Date Submitted:	January 18 2023	Required by:	January 25 2023
# of Samples:	92	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):		1970	
Do NOT Stop on Positive (Sample Numbers):		50004, 50006, 50006, 50010, 50026, 50029, 50030, 50031	
Pinchin Group Company (Mandatory Field):		Pinchin	
HMS2 Building Reference #:		116055/20230457440224	
To be Completed by Lab Personnel Only:			
Lab Reference #:		Time:	24 hour clock
Received by:		Date:	Month Day Year
Name(s) of Analyst(s):		JAN 19 2023	
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001	A	Floor, Vinyl Floor Tile And Mastic, 12x12 Grey With White And Black Fleck, Loc: 1, 4th Floor Corridors
S	0001	B	Floor, Vinyl Floor Tile And Mastic, 12x12 Grey With White And Black Fleck, Loc: 1, 4th Floor Corridors
S	0001	C	Floor, Vinyl Floor Tile And Mastic, 12x12 Grey With White And Black Fleck, Loc: 1, 4th Floor Corridors
S	0002	A	Floor, Vinyl Floor Tile And Mastic, 12x12 Dark Grey Mottled, Loc: 1, 4th Floor Corridors
S	0002	B	Floor, Vinyl Floor Tile And Mastic, 12x12 Dark Grey Mottled, Loc: 1, 4th Floor Corridors
S	0002	C	Floor, Vinyl Floor Tile And Mastic, 12x12 Dark Grey Mottled, Loc: 1, 4th Floor Corridors
S	0003	A	Ceiling, Ceiling Tiles (glue-on), 12x12 Pinhole And Fissure, Loc: 1, 4th Floor Corridors

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Page 1 of 7

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0003	B	Ceiling,Ceiling Tiles (glue-on),12x12 Pinhole And Fissure,Loc:1,4th Floor Corridors
S	0003	C	Ceiling,Ceiling Tiles (glue-on),12x12 Pinhole And Fissure,Loc:1,4th Floor Corridors
S	0004	A	Wall,Plaster,Loc:1,4th Floor Corridors
S	0004	B	Wall,Plaster,Loc:33,Offices 4084 & 4085
S	0004	C	Wall,Plaster,Near Janitor 3066,Loc:93,3rd Floor Corridors
S	0004	D	Wall,Plaster,Loc:125,Office 1
S	0004	E	Wall,Plaster,Loc:125,Office 1
S	0004	F	Wall,Plaster,Loc:138,Telemental Health
S	0004	G	Wall,Plaster,Loc:138,Telemental Health
S	0006	A	Wall,Drywall And Joint Compound,White Compound,Loc:2,Electrical Room
S	0006	B	Wall,Drywall And Joint Compound,White Compound,Loc:2,Electrical Room
S	0006	C	Wall,All,Drywall And Joint Compound,Loc:124,Storage Room 1
S	0006	D	Wall,Drywall And Joint Compound,White Compound,Loc:26,Electrical Room
S	0006	E	Wall,Drywall And Joint Compound,Loc:106,Cafeteria
S	0006	F	Wall,Drywall And Joint Compound,Loc:1,4th Floor Corridors

See P1

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0006	G	Wall,Drywall And Joint Compound,Perimeter Wall,Loc:120,1st Floor Corridors
S	0008	A	Ceiling,Plaster,Metal Lath,Loc:3,House Keeping
S	0008	B	Ceiling,Plaster,Metal Lath,Loc:105,Housekeeping
S	0008	C	Ceiling,Plaster,Metal Lath,Loc:105,Housekeeping
S	0012	A	Piping,Parging Cement,2 Elbows,Loc:25,Maintenance
S	0012	B	Piping,Parging Cement,2 Elbows,Loc:25,Maintenance
S	0012	C	Piping,Parging Cement,2 Elbows,Loc:25,Maintenance
S	0015	A	Ceiling,Ceiling Tiles (lay-in),24x24 Deep Fissure (room 3080 Washroom),Loc:95,3rd Floor Office Washrooms
S	0015	B	Ceiling,Ceiling Tiles (lay-in),24x24 Deep Fissure (room 3080 Washroom),Loc:95,3rd Floor Office Washrooms
S	0015	C	Ceiling,Ceiling Tiles (lay-in),24x24 Deep Fissure (room 3080; 3084; 3086; 3034),Loc:95,3rd Floor Office Washrooms
S	0016	A	Ceiling,Drywall And Joint Compound,Corridor 310,Loc:93,3rd Floor Corridors
S	0016	B	Ceiling,Drywall And Joint Compound,Corridor 310,Loc:93,3rd Floor Corridors
S	0016	C	Ceiling,Drywall And Joint Compound,Corridor 310,Loc:93,3rd Floor Corridors
S	0016	D	Ceiling,Drywall And Joint Compound,Loc:108,2nd Floor West Offices
S	0016	E	Ceiling,Drywall And Joint Compound,Loc:120,1st Floor Corridors

Seep

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0016	F	Ceiling,Drywall And Joint Compound,Loc:137,Resource Lab Washroom 2
S	0016	G	Ceiling,Drywall And Joint Compound,Loc:137,Resource Lab Washroom 2
S	0019	A	Ceiling,Ceiling Tiles (lay-in),24x48 Random Pinhole (corridor Next 1031),Loc:120,1st Floor Corridors
S	0019	B	Ceiling,Ceiling Tiles (lay-in),24x48 Random Pinhole (corridor Next 1031),Loc:120,1st Floor Corridors
S	0019	C	Ceiling,Ceiling Tiles (lay-in),24x48 Random Pinhole (corridor Next 1031),Loc:120,1st Floor Corridors
S	0020	A	Structure,Fireproofing (fibrous),Green On Steel Beams And Concrete Deck (found Outside Office 1031 Where La-in Tiles Are),Loc:120,1st Floor Corridors
S	0020	B	Structure,Fireproofing (fibrous),Green On Steel Beams And Concrete Deck (found Outside Office 1031 Where La-in Tiles Are),Loc:120,1st Floor Corridors
S	0020	C	Structure,Fireproofing (fibrous),Green On Steel Beams And Concrete Deck (found Outside Office 1031 Where La-in Tiles Are),Loc:120,1st Floor Corridors
S	0021	A	Roofing Material,South,Loc:121,Roof Main Building (Clinical Building)
S	0021	B	Roofing Material,Northwest,Loc:121,Roof Main Building (Clinical Building)
S	0021	C	Roofing Material,East,Loc:121,Roof Main Building (Clinical Building)
S	0022	A	Caulking,Brown On Flashing,Loc:121,Roof Main Building (Clinical Building)
S	0022	B	Caulking,Brown On Flashing,Loc:121,Roof Main Building (Clinical Building)
S	0022	C	Caulking,Brown On Flashing,Loc:122,Roof (Tower Building)
S	0023	A	Tar,Black Painted Over Brown Caulking On Tie Offs,Loc:121,Roof Main Building (Clinical Building)

Seal

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0023	B	Tar,Black Painted Over Brown Caulking On Tie Offs,Loc:121,Roof Main Building (Clinical Building)
S	0023	C	Tar,Black Painted Over Brown Caulking On Tie Offs,Loc:121,Roof Main Building (Clinical Building)
S	0024	A	Roofing Material,North,Loc:122,Roof (Tower Building)
S	0024	B	Roofing Material,Central,Loc:122,Roof (Tower Building)
S	0024	C	Roofing Material,South,Loc:122,Roof (Tower Building)
S	0025	A	Caulking,White On Ducts,Loc:122,Roof (Tower Building)
S	0025	B	Caulking,White On Ducts,Loc:122,Roof (Tower Building)
S	0025	C	Caulking,White On Ducts,Loc:122,Roof (Tower Building)
S	0027	A	Piping,Parging Over Fibreglass,Loc:160,Parking Level 3
S	0027	B	Piping,Parging Over Fibreglass,Loc:160,Parking Level 3
S	0027	C	Piping,Parging Over Fibreglass,Loc:160,Parking Level 3
S	0028	A	Ceiling,All,Drywall And Joint Compound,Loc:700,Elevator Lobby (Tower Building)
S	0028	B	Ceiling,All,Drywall And Joint Compound,Loc:700,Elevator Lobby (Tower Building)
S	0028	C	Ceiling,Drywall And Joint Compound,Loc:1008,Office Space 1 (Tower Building)
S	0028	D	Ceiling,Drywall And Joint Compound,Loc:1008,Office Space 1 (Tower Building)

See 1



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project No.: 0315632.003
Prepared For: J. Samuel / A. Brett
Lab Reference No.: b285670
Date Analyzed: January 27, 2023

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0021A Roofing Material, South, Loc:121, Roof Main Building (Clinical Building)	6 Phases		
	a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, thick, tar material.	None Detected	Tar and other non-fibrous > 75%
	d) Homogeneous, light grey, layered paper.	None Detected	Cellulose > 75% Man-Made Vitreous Fibres 0.5-5% Non-Fibrous Material 0.5-5%
	e) Homogeneous, black, layered, granular, tar material.	None Detected	Tar and other non-fibrous > 75%
	f) Homogeneous, black, layered, fibrous material with tar.	None Detected	Synthetic Fibres 50-75% Man-Made Vitreous Fibres 5-10% Tar and other non-fibrous 25-50%
Comments:	Foam and cellulose are present on the surface of this sample.		
S0021B Roofing Material, Northwest, Loc:121, Roof Main Building (Clinical Building)	7 Phases		
	a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, thick, tar material.	None Detected	Tar and other non-fibrous > 75%
	d) Homogeneous, light grey, layered paper.	None Detected	Cellulose > 75% Man-Made Vitreous Fibres 0.5-5% Non-Fibrous Material 0.5-5%
	e) Homogeneous, black, stretchy, tar material between layered paper and cellulose.	None Detected	Tar and other non-fibrous > 75%
	f) Homogeneous, black, layered, granular, tar material.	None Detected	Tar and other non-fibrous > 75%
	g) Homogeneous, black, layered, fibrous material with tar.	None Detected	Synthetic Fibres 50-75% Man-Made Vitreous Fibres 5-10% Tar and other non-fibrous 25-50%
Comments:	Foam and cellulose are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project No.: 0315632.003
Prepared For: J. Samuel / A. Brett
Lab Reference No.: b285670
Date Analyzed: January 27, 2023

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0021C Roofing Material, East, Loc: 121, Roof Main Building (Clinical Building)	9 Phases		
	a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 50-75% Hair 0.5-5% Synthetic Fibres 0.5-5% Tar and other non-fibrous 25-50%
	c) Homogeneous, black, layered, thick, tar material.	None Detected	Tar and other non-fibrous > 75%
	d) Homogeneous, black, tar-impregnated, compressed, fibrous material between layered, thick, tar material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	e) Homogeneous, black, stretchy, tar material.	None Detected	Tar and other non-fibrous > 75%
	f) Homogeneous, grey, layered paper.	None Detected	Cellulose > 75% Man-Made Vitreous Fibres 0.5-5% Non-Fibrous Material 0.5-5%
	g) Homogeneous, black, tar material between layered paper and cellulose.	None Detected	Tar and other non-fibrous > 75%
	h) Homogeneous, black, layered, granular, tar material.	None Detected	Tar and other non-fibrous > 75%
	i) Homogeneous, black, layered, fibrous material with tar.	None Detected	Synthetic Fibres 50-75% Man-Made Vitreous Fibres 5-10% Tar and other non-fibrous 25-50%
Comments:	Foam and cellulose are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project No.: 0315632.003
Prepared For: J. Samuel / A. Brett
Lab Reference No.: b285670
Date Analyzed: January 27, 2023

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0024A Roofing Material, North, Loc:122, Roof (Tower Building)	7 Phases a) Non-homogeneous, brown and black, layered paper with tar. b) Homogeneous, black, rubbery, tar material. c) Non-homogeneous, black, tar material. d) Homogeneous, light grey, layered paper. e) Homogeneous, black, rubbery, tar material between layered paper and cellulose. f) Homogeneous, black, layered, granular, tar material. g) Homogeneous, black, layered, fibrous material with tar.	None Detected None Detected None Detected None Detected None Detected None Detected None Detected	Cellulose > 75% Tar and other non-fibrous 10-25% Tar and other non-fibrous > 75% Cellulose 5-10% Tar and other non-fibrous > 75% Cellulose > 75% Man-Made Vitreous Fibres 0.5-5% Non-Fibrous Material 0.5-5% Tar and other non-fibrous > 75% Tar and other non-fibrous > 75% Synthetic Fibres 50-75% Man-Made Vitreous Fibres 5-10% Tar and other non-fibrous 25-50%
Comments:	Foam and cellulose are present on the surface of this sample.		
S0024B Roofing Material, Central, Loc:122, Roof (Tower Building)	7 Phases a) Homogeneous, black, thick, shiny, tar material. b) Homogeneous, black, tar-impregnated, compressed, fibrous material. c) Homogeneous, black, tar material. d) Homogeneous, black, rubbery, tar material. e) Homogeneous, grey, layered paper. f) Homogeneous, black, layered, granular, tar material. g) Homogeneous, black, layered, fibrous material with tar.	None Detected None Detected None Detected None Detected None Detected None Detected None Detected	Tar and other non-fibrous > 75% Cellulose 50-75% Tar and other non-fibrous 25-50% Tar and other non-fibrous > 75% Tar and other non-fibrous > 75% Cellulose > 75% Man-Made Vitreous Fibres 0.5-5% Non-Fibrous Material 0.5-5% Tar and other non-fibrous > 75% Synthetic Fibres 50-75% Man-Made Vitreous Fibres 5-10% Tar and other non-fibrous 25-50%
Comments:	Foam and cellulose are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project No.: 0315632.003
Prepared For: J. Samuel / A. Brett
Lab Reference No.: b285670
Date Analyzed: January 27, 2023

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0024C Roofing Material, South, Loc:122, Roof (Tower Building)	11 Phases:		
	a) Homogeneous, black, shiny, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, rubbery, tar material.	None Detected	Tar and other non-fibrous > 75%
	c) Non-homogeneous, brown and black, layered paper with tar.	None Detected	Cellulose > 75% Tar and other non-fibrous 10-25%
	d) Homogeneous, grey, layered paper.	None Detected	Cellulose > 75% Man-Made Vitreous Fibres 0.5-5% Non-Fibrous Material 0.5-5%
	e) Homogeneous, black, rubbery, tar material between layered paper and cellulose.	None Detected	Tar and other non-fibrous > 75%
	f) Homogeneous, black, tar material between cellulose.	None Detected	Tar and other non-fibrous > 75%
	g) Homogeneous, black, layered, granular, tar material.	None Detected	Tar and other non-fibrous > 75%
	h) Homogeneous, black, layered, fibrous material with tar.	None Detected	Synthetic Fibres 50-75% Man-Made Vitreous Fibres 5-10% Tar and other non-fibrous 25-50%
	i) Homogeneous, black, soft, tar material.	None Detected	Tar and other non-fibrous > 75%
	j) Homogeneous, black, layered, thick, shiny, tar material.	None Detected	Tar and other non-fibrous > 75%
	k) Homogeneous, black, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
Comments:	Foam and cellulose are present on the surface of this sample.		

Reviewed By:

Digitally signed
by Cheryl
Hendsbee
Date: 2023.01.27
14:59:15-05'00'

Reporting Analyst:

Digitally signed
by Cheryl
Hendsbee
Date: 2023.01.27
14:59:04-05'00'

remaining samples to BVA.

Analyst by: CL

Reviewed by: KB

Report Made by: CL

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

47

Client Name:		Project Address:	
Portfolio/Building No:		Pinchin File:	315632.003
Submitted by:	Joshua Samuel	Email:	jsamuel@pinchin.com
CC Results to:	Alex Brett	CC Email:	abrett@pinchin.com
Date Submitted:	January 18 2023	Required by:	January 25 2023
# of Samples:	92	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):	1970	50004, 50006, 50008, 50010, 50026, 50029, 50030, 50031	
Do NOT Stop on Positive (Sample Numbers):		Pinchin	
Pinchin Group Company (Mandatory Field):		116055/20230457440224	
HMS2 Building Reference #:		b285670	
To be Completed by Lab Personnel Only:		24 hour clock	
Lab Reference #:		Time:	
Received by:	JAN 19 2023	Date:	Month Day Year
Name(s) of Analyst(s):		Jan. 27 2023	
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001	A	Floor, Vinyl Floor Tile And Mastic, 12x12 Grey With White And Black Fleck, Loc: 1, 4th Floor Corridors
S	0001	B	Floor, Vinyl Floor Tile And Mastic, 12x12 Grey With White And Black Fleck, Loc: 1, 4th Floor Corridors
S	0001	C	Floor, Vinyl Floor Tile And Mastic, 12x12 Grey With White And Black Fleck, Loc: 1, 4th Floor Corridors
S	0002	A	Floor, Vinyl Floor Tile And Mastic, 12x12 Dark Grey Mottled, Loc: 1, 4th Floor Corridors
S	0002	B	Floor, Vinyl Floor Tile And Mastic, 12x12 Dark Grey Mottled, Loc: 1, 4th Floor Corridors
S	0002	C	Floor, Vinyl Floor Tile And Mastic, 12x12 Dark Grey Mottled, Loc: 1, 4th Floor Corridors
S	0003	A	Ceiling, Ceiling Tiles (glue-on), 12x12 Pinhole And Fissure, Loc: 1, 4th Floor Corridors

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0016	F	Ceiling,Drywall And Joint Compound,Loc:137,Resource Lab Washroom 2
S	0016	G	Ceiling,Drywall And Joint Compound,Loc:137,Resource Lab Washroom 2
S	0019	A	Ceiling,Ceiling Tiles (lay-in),24x48 Random Pinhole (corridor Next 1031),Loc:120,1st Floor Corridors
S	0019	B	Ceiling,Ceiling Tiles (lay-in),24x48 Random Pinhole (corridor Next 1031),Loc:120,1st Floor Corridors
S	0019	C	Ceiling,Ceiling Tiles (lay-in),24x48 Random Pinhole (corridor Next 1031),Loc:120,1st Floor Corridors
S	0020	A	Structure,Fireproofing (fibrous),Green On Steel Beams And Concrete Deck (found Outside Office 1031 Where La-in Tiles Are),Loc:120,1st Floor Corridors
S	0020	B	Structure,Fireproofing (fibrous),Green On Steel Beams And Concrete Deck (found Outside Office 1031 Where La-in Tiles Are),Loc:120,1st Floor Corridors
S	0020	C	Structure,Fireproofing (fibrous),Green On Steel Beams And Concrete Deck (found Outside Office 1031 Where La-in Tiles Are),Loc:120,1st Floor Corridors
S	0021	A	Roofing Material,South,Loc:121,Roof Main Building (Clinical Building) a)ND b)ND c)ND d)ND e)ND f)ND
S	0021	B	Roofing Material,Northwest,Loc:121,Roof Main Building (Clinical Building) a)ND b)ND c)ND d)ND e)ND f)ND g)ND
S	0021	C	Roofing Material,East,Loc:121,Roof Main Building (Clinical Building) a)ND b)ND c)ND d)ND e)ND f)ND g)ND h)ND i)ND
S	0022	A	Caulking,Brown On Flashing,Loc:121,Roof Main Building (Clinical Building)
S	0022	B	Caulking,Brown On Flashing,Loc:121,Roof Main Building (Clinical Building)
S	0022	C	Caulking,Brown On Flashing,Loc:122,Roof (Tower Building)
S	0023	A	Tar,Black Painted Over Brown Caulking On Tie Offs,Loc:121,Roof Main Building (Clinical Building)

22

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0023	B	Tar,Black Painted Over Brown Caulking On Tie Offs,Loc:121,Roof Main Building (Clinical Building)
S	0023	C	Tar,Black Painted Over Brown Caulking On Tie Offs,Loc:121,Roof Main Building (Clinical Building)
S	0024	A	Roofing Material,North,Loc:122,Roof (Tower Building) a)ND b)ND c)ND d)ND e)ND f)ND g)ND
S	0024	B	Roofing Material,Central,Loc:122,Roof (Tower Building) a)ND b)ND c)ND d)ND e)ND f)ND g)ND
S	0024	C	Roofing Material,South,Loc:122,Roof (Tower Building) a)ND b)ND c)ND d)ND e)ND f)ND g)ND h)ND i)ND j)ND k)ND
S	0025	A	Caulking,White On Ducts,Loc:122,Roof (Tower Building)
S	0025	B	Caulking,White On Ducts,Loc:122,Roof (Tower Building)
S	0025	C	Caulking,White On Ducts,Loc:122,Roof (Tower Building)
S	0027	A	Piping,Parging Over Fibreglass,Loc:160,Parking Level 3
S	0027	B	Piping,Parging Over Fibreglass,Loc:160,Parking Level 3
S	0027	C	Piping,Parging Over Fibreglass,Loc:160,Parking Level 3
S	0028	A	Ceiling,All,Drywall And Joint Compound,Loc:700,Elevator Lobby (Tower Building)
S	0028	B	Ceiling,All,Drywall And Joint Compound,Loc:700,Elevator Lobby (Tower Building)
S	0028	C	Ceiling,Drywall And Joint Compound,Loc:1008,Office Space 1 (Tower Building)
S	0028	D	Ceiling,Drywall And Joint Compound,Loc:1008,Office Space 1 (Tower Building)

26



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Pinchin Ltd.
55 Wellington Street East Suite 200
Toronto, ON M5E 1C8

Attn: Joshua Samuel

Lab Order ID: 10014719

Analysis: PBP

Date Received: 01/24/2023

Date Reported: 01/31/2023

Date Amended: 02/09/2023

Project:

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
L0001	Wall, Drywall And Joint Compound, Pink On Drywall And Plaster, Loc:1,4th Floor Corridors	0.1545	<26	<0.0026%
10014719_0001				
L0002	Wall, Drywall And Joint Compound, Light Orange On Drywall And Plaster, Loc:5, Office	0.0507	<79	<0.0079%
10014719_0002				
L0002	Wall, Drywall And Joint Compound, Light Orange On Drywall And Plaster, Loc:1,4th Floor Corridors	-	Not Submitted	
10014719_0003				
L0003	Wall, Drywall And Joint Compound, Green On Drywall And Plaster, Loc:6, Office	0.0623	1900	0.19%
10014719_0004				
L0004	Wall, Drywall And Joint Compound, Light Yellow On Drywall And Plaster, Loc:9, Office	0.0614	<65	<0.0065%
10014719_0005				
L0005	Wall, Drywall And Joint Compound, Light Purple On Drywall And Plaster, Loc:12, Office	0.0979	<41	<0.0041%
10014719_0006				
L0006	Wall, Drywall And Joint Compound, Red On Drywall, Loc:13, Office	0.0678	<59	<0.0059%
10014719_0007				
L0007	Wall, Drywall And Joint Compound, Light Blue On Drywall, Loc:16, Office	0.0695	<58	<0.0058%
10014719_0008				

Disclaimer: Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb).

Athena Summa (19)

Analyst

Approved Signatory



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Pinchin Ltd.
55 Wellington Street East Suite 200
Toronto, ON M5E 1C8

Attn: Joshua Samuel

Lab Order ID: 10014719

Analysis: PBP

Date Received: 01/24/2023

Date Reported: 01/31/2023

Date Amended: 02/09/2023

Project:

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
L0008	Wall, Drywall And Joint Compound, Brown On Drywall And Plaster Wallpaper, Loc:23, Offices, Kitchen & Wait	0.0998	<40.	<0.0040%
10014719_0009				
L0009	Wall, Drywall And Joint Compound, White On Drywall And Plaster Wallpaper, Loc:23, Offices, Kitchen & Wait	0.0900	<44	<0.0044%
10014719_0010				
L0009	Wall, Drywall And Joint Compound, White On Drywall And Plaster, Loc:1, 4th Floor Corridors	-	Not Submitted	
10014719_0011				
L0010	Wall, Drywall And Joint Compound, Beige, Loc:84, Kitchen	0.0698	<57	<0.0057%
10014719_0012				
L0010	Wall, Drywall And Joint Compound, Beige On Drywall And Plaster, Loc:1, 4th Floor Corridors	-	Not Submitted	
10014719_0013				
L0011	Wall, Drywall And Joint Compound, Orange On Drywall And Plaster, Loc:112, 2nd Floor East Conference	0.0502	<80.	<0.0080%
10014719_0014				
L0012	Other, Metal, Red On Doors, Loc:121, Roof Main Building (Clinical Building)	0.0814	100	0.010%
10014719_0015				
L0013	Wall, Concrete (poured), White Paint, Loc:160, Parking Level 3	0.0920	<43	<0.0043%
10014719_0016				

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Athena Summa (19)

Analyst

Nathaniel Durham

Approved Signatory



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Pinchin Ltd.
55 Wellington Street East Suite 200
Toronto, ON M5E 1C8

Attn: Joshua Samuel

Lab Order ID: 10014719

Analysis: PBP

Date Received: 01/24/2023

Date Reported: 01/31/2023

Date Amended: 02/09/2023

Project:

Sample ID	Description	Mass (g)	Concentration (ppm)	Concentration (% by weight)
Lab Sample ID	Lab Notes			
L0014	Wall, Concrete (precast), Black Paint, Loc: 160, Parking Level 3	0.0474	120	0.012%
10014719_0017				
L0015	Wall, Concrete (poured), Blue Paint, Loc: 160, Parking Level 3	0.0852	530	0.053%
10014719_0018	Bag labelled L0016			
L0016	Wall, Concrete (poured), Yellow Paint, Loc: 160, Parking Level 3	0.0477	1600	0.16%
10014719_0019				

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Athena Summa (19)

Analyst


Approved Signatory

10014719

Version 1-15-2012

Client:	Pinchin Ltd.	*Instructions: Use Column "B" for your contact info To See an Example Click the bottom Example Tab. 19 Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample. Only Enter your data on the first sheet "Sheet1" Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.
Contact:	Joshua Samuel	
Address:	50 Wellington Street, Toronto, Ontario, Suite 200	
Phone:	437.219.4815	
Fax:		
Email:	jsamuel@pinchin.com	
Project:		
Client Notes:		
P.O. #.	315632.003	
Date Submitted:	01-18-2023	
Analysis:	Paint Chips Flame AA	
TurnAroundTime:	5 Day T.A.T	

Scientific Analytical Institute



4604 Dundas Dr.
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
<<			
L0001		Wall, Drywall And Joint Compound, Pink On Drywall And Plaster, Loc:1,4th Floor Corridors	
L0002		Wall, Drywall And Joint Compound, Light Orange On Drywall And Plaster, Loc:5, Office	
L0002		Wall, Drywall And Joint Compound, Light Orange On Drywall And Plaster, Loc:1,4th Floor Corridors	
L0003		Wall, Drywall And Joint Compound, Green On Drywall And Plaster, Loc:6, Office	
L0004		Wall, Drywall And Joint Compound, Light Yellow On Drywall And Plaster, Loc:9, Office	
L0005		Wall, Drywall And Joint Compound, Light Purple On Drywall And Plaster, Loc:12, Office	
L0006		Wall, Drywall And Joint Compound, Red On Drywall, Loc:13, Office	
L0007		Wall, Drywall And Joint Compound, Light Blue On Drywall, Loc:16, Office	
L0008		Wall, Drywall And Joint Compound, Brown On Drywall And Plaster Wallpaper, Loc:23, Offices, Kitchen & Waiting Area	
L0009		Wall, Drywall And Joint Compound, White On Drywall And Plaster Wallpaper, Loc:23, Offices, Kitchen & Waiting Area	
L0009		Wall, Drywall And Joint Compound, White On Drywall And Plaster, Loc:1,4th Floor Corridors	
L0010		Wall, Drywall And Joint Compound, Beige, Loc:84, Kitchen	
L0010		Wall, Drywall And Joint Compound, Beige On Drywall And Plaster, Loc:1,4th Floor Corridors	
L0011		Wall, Drywall And Joint Compound, Orange On Drywall And Plaster, Loc:112, 2nd Floor East Conference Rooms & Surrounding Areas	
L0012		Other, Metal, Red On Doors, Loc:121, Roof Main Building (Clinical Building)	
L0013		Wall, Concrete (poured), White Paint, Loc:160, Parking Level 3	
L0014		Wall, Concrete (precast), Black Paint, Loc:160, Parking Level 3	
L0015		Wall, Concrete (poured), Blue Paint, Loc:160, Parking Level 3	
L0015		Wall, Concrete (poured), Yellow Paint, Loc:160, Parking Level 3	

Accepted ☒
 Rejected ☐

YH 1624
 10:30am

Certificate of Analysis

Joshua Samuel

Pinchin Ltd. (Toronto)
50 Wellington Street East, Toronto, Ontario, M5E 1C8, Canada

Date of Issue: Jan 27, 2023

Report Description: 2 solid samples were submitted for the following chemical analysis

Project Name:	Date Sampled: Jan 11, 2023
Project No.: 315632.003	Date Tested: Jan 26, 2023
Site Location:	Sampled by: Joshua S

Report Number: 23-0106

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	<u>Sample ID.:</u> P0001 Brown Caulking composite sample On Window Frames and Flashing, Loc:197, Exterior of Building					
	PCBs in Solid	<0.2	mg/kg	0.2		LAB-M06 (EPA 3550C/8082A modified)
2	<u>Sample ID.:</u> P0002 White Caulking On Ducts, Loc:122, Roof (Tower Building)					
	PCBs in Solid	<0.2	mg/kg	0.2		LAB-M06 (EPA 3550C/8082A modified)

Results relate only to the samples tested above, as received.

Approved By:

Son C.H. Le, (Chem.)
Lab Manager
Phone: (519) 740-1333 Ext.: 1030
Fax: (519) 740-2320
Email: SonLe@aevitas.ca








The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognized International Standard ISO/IEC 17025:2017, by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017). The laboratory quality management system of Aevitas Inc. (Ayr) also operates in accordance with the principles of ISO 9001.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (2016). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.



LEGEND

-  PINCH LOCATION NUMBER
- NAR NO ACCESS TO ROOM/AREA
-  ASBESTOS BULK SAMPLE
-  LEAD BULK SAMPLE
-  PCB BULK SAMPLE
-  WATER DAMAGED WALL FINISHES
-  WATER DAMAGED CEILING FINISHES
-  WATER STAINED CEILING TILE

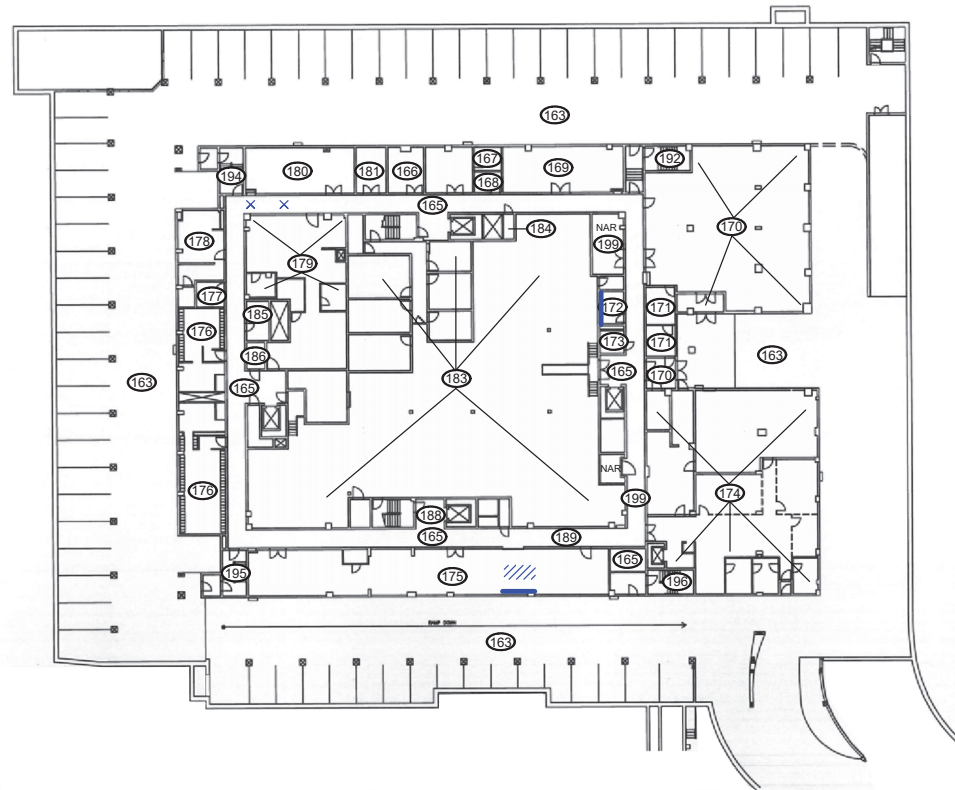
NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

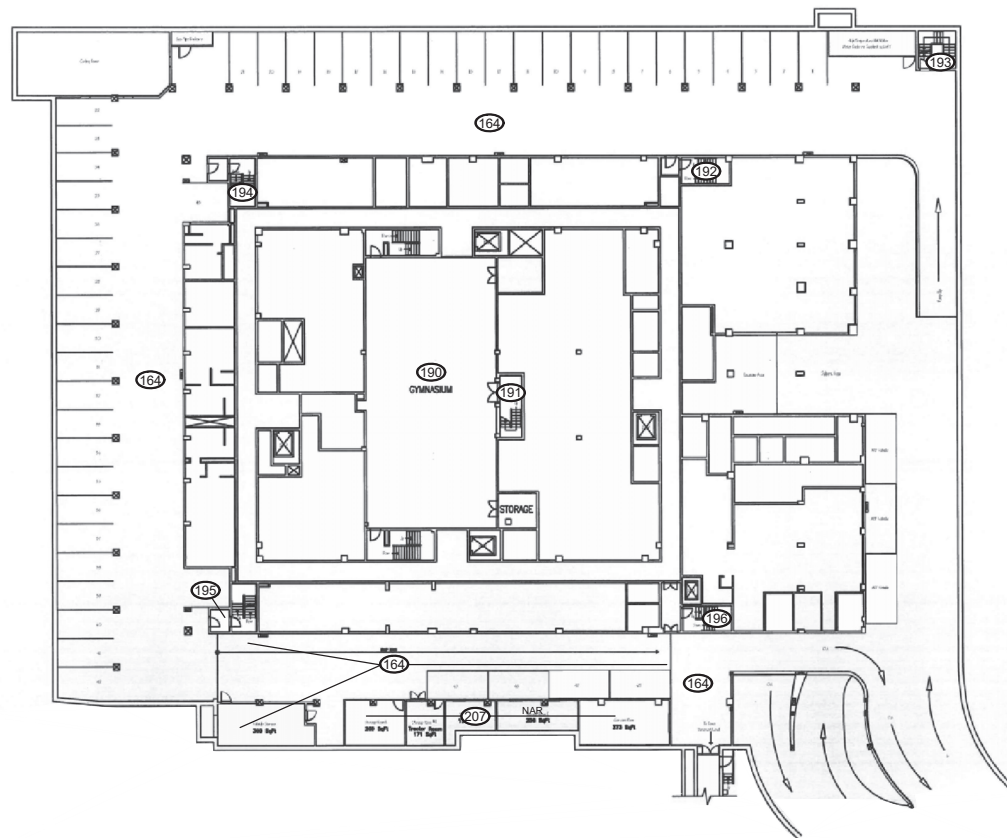
LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



PROJECT NAME: HAZARDOUS BUILDING MATERIALS ASSESSMENT (PRE-CONSTRUCTION)	
CLIENT NAME: UNIVERSITY OF TORONTO	
PROJECT LOCATION: 33 URSULA FRANKLIN STREET TORONTO, ONTARIO	
FIGURE NAME: MAIN BUILDING PARKING LEVEL 2	
PROJECT NUMBER: 315632.003	SCALE: NOT TO SCALE
DRAWN BY: DP	REVIEWED BY: JS
DATE: JANUARY 2023	FIGURE NUMBER: 2 OF 17





LEGEND

- 164 PINCHIN LOCATION NUMBER
- NAR NO ACCESS TO ROOM/AREA
- ASBESTOS BULK SAMPLE
- ▲ LEAD BULK SAMPLE
- PCB BULK SAMPLE
- WATER DAMAGED WALL FINISHES
- WATER DAMAGED CEILING FINISHES
- X WATER STAINED CEILING TILE

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.








BASE PLAN PROVIDED BY CLIENT.

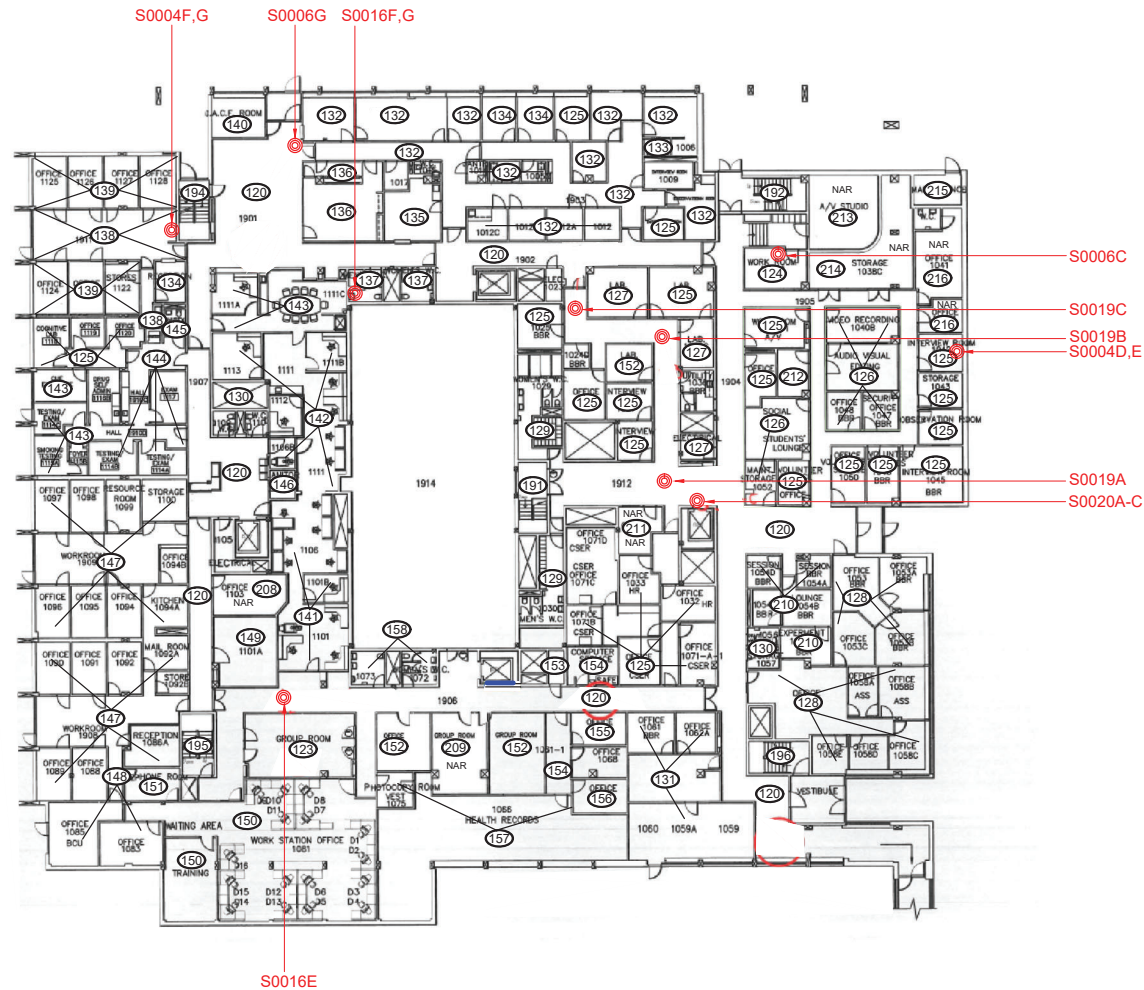


PROJECT NAME: HAZARDOUS BUILDING MATERIALS ASSESSMENT (PRE-CONSTRUCTION)	
CLIENT NAME: UNIVERSITY OF TORONTO	
PROJECT LOCATION: 33 URSULA FRANKLIN STREET TORONTO, ONTARIO	
FIGURE NAME: MAIN BUILDING PARKING LEVEL 1	
PROJECT NUMBER: 315632.003	SCALE: NOT TO SCALE
DRAWN BY: DP	REVIEWED BY: JS
DATE: JANUARY 2023	FIGURE NUMBER: 3 OF 17



LEGEND

-  PINCHIN LOCATION NUMBER
- NAR NO ACCESS TO ROOM/AREA
-  ASBESTOS BULK SAMPLE
-  LEAD BULK SAMPLE
-  PCB BULK SAMPLE
-  WATER DAMAGED WALL FINISHES
-  WATER DAMAGED CEILING FINISHES
-  WATER STAINED CEILING TILE



NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



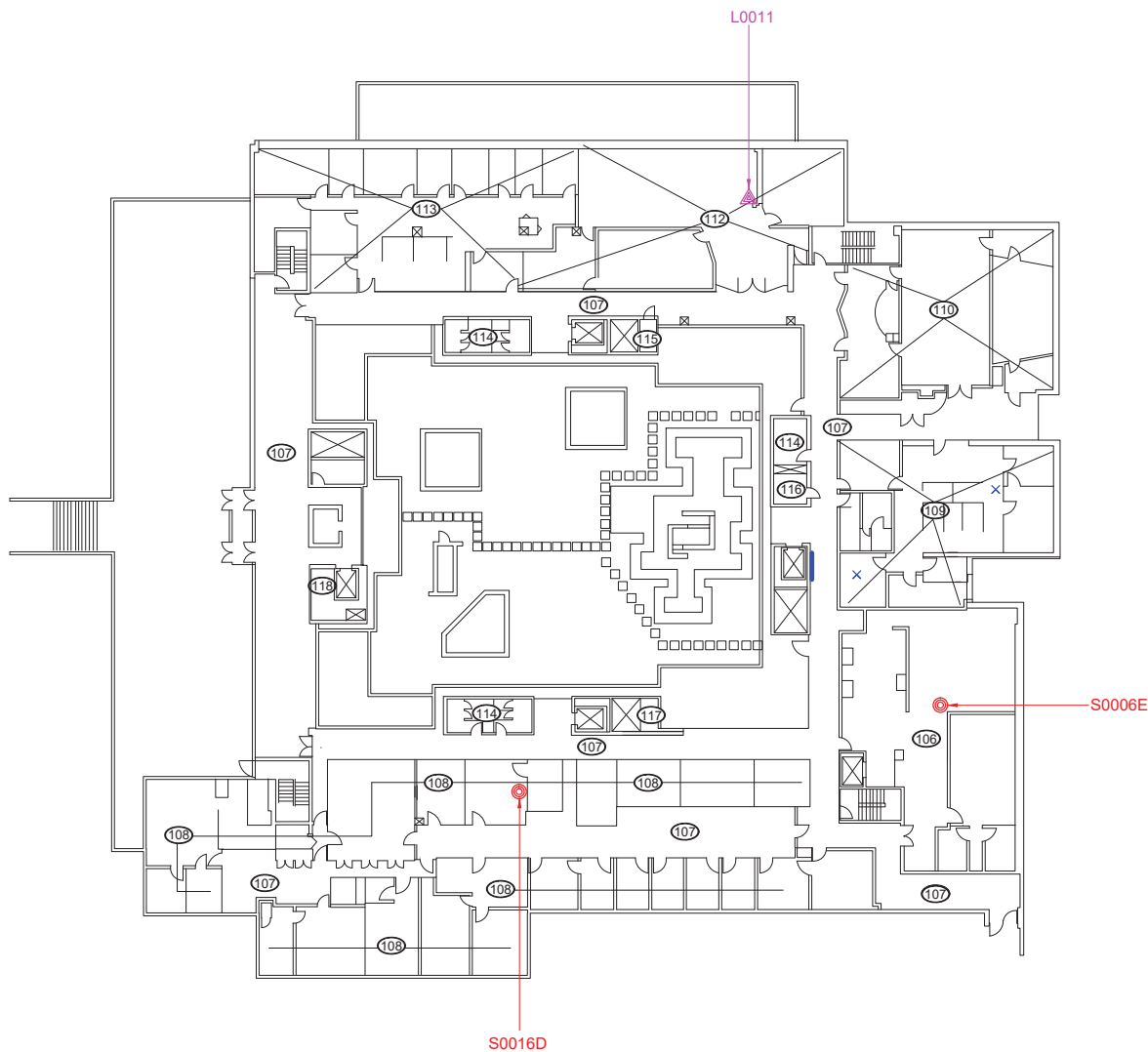
PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT (PRE-CONSTRUCTION)

CLIENT NAME:
UNIVERSITY OF TORONTO

PROJECT LOCATION:
33 URSULA FRANKLIN STREET
TORONTO, ONTARIO

FIGURE NAME:
MAIN BUILDING
FIRST FLOOR

PROJECT NUMBER: 315632.003	SCALE: NOT TO SCALE
DRAWN BY: DP	REVIEWED BY: JS
DATE: JANUARY 2023	FIGURE NUMBER: 4 OF 17



LEGEND

- X PINCHIN LOCATION NUMBER
- NAR NO ACCESS TO ROOM/AREA
- ASBESTOS BULK SAMPLE
- ▲ LEAD BULK SAMPLE
- PCB BULK SAMPLE
- WATER DAMAGED WALL FINISHES
- WATER DAMAGED CEILING FINISHES
- X WATER STAINED CEILING TILE

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



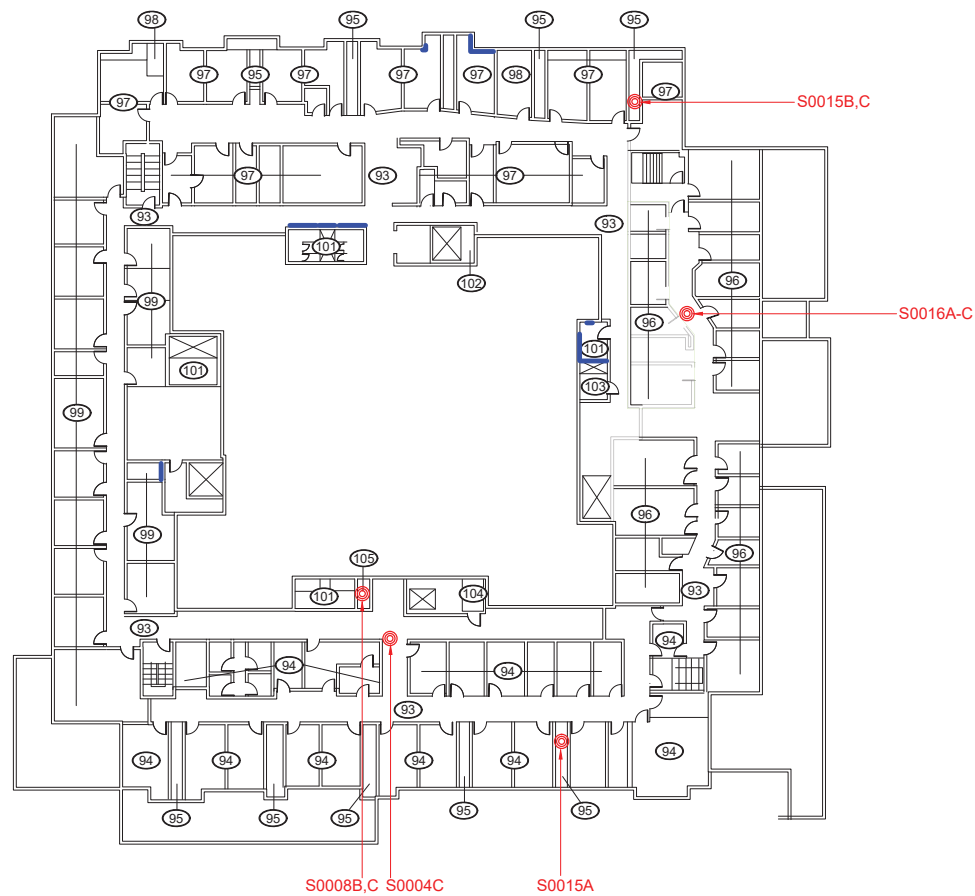
PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT (PRE-CONSTRUCTION)

CLIENT NAME:
UNIVERSITY OF TORONTO

PROJECT LOCATION:
33 URSULA FRANKLIN STREET
TORONTO, ONTARIO

FIGURE NAME:
MAIN BUILDING
SECOND FLOOR

PROJECT NUMBER: 315632.003	SCALE: NOT TO SCALE
DRAWN BY: DP	REVIEWED BY: JS
DATE: JANUARY 2023	FIGURE NUMBER: 5 OF 17



LEGEND

- X PINCHIN LOCATION NUMBER
- NAR NO ACCESS TO ROOM/AREA
- ASBESTOS BULK SAMPLE
- ▲ LEAD BULK SAMPLE
- PCB BULK SAMPLE
- WATER DAMAGED WALL FINISHES
- WATER DAMAGED CEILING FINISHES
- X WATER STAINED CEILING TILE

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT (PRE-CONSTRUCTION)

CLIENT NAME:
UNIVERSITY OF TORONTO

PROJECT LOCATION:
33 URSULA FRANKLIN STREET
TORONTO, ONTARIO

FIGURE NAME:
MAIN BUILDING
THIRD FLOOR

PROJECT NUMBER: 315632.003	SCALE: NOT TO SCALE
DRAWN BY: DP	REVIEWED BY: JS
DATE: JANUARY 2023	FIGURE NUMBER: 6 OF 17



LEGEND

- PINCHIN LOCATION NUMBER
- NAR NO ACCESS TO ROOM/AREA
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE
- WATER DAMAGED WALL FINISHES
- WATER DAMAGED CEILING FINISHES
- WATER STAINED CEILING TILE

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT (PRE-CONSTRUCTION)

CLIENT NAME:
UNIVERSITY OF TORONTO

PROJECT LOCATION:
33 URSULA FRANKLIN STREET
TORONTO, ONTARIO

FIGURE NAME:
MAIN BUILDING
FOURTH FLOOR

PROJECT NUMBER: 315632.003	SCALE: NOT TO SCALE
DRAWN BY: DP	REVIEWED BY: JS
DATE: JANUARY 2023	FIGURE NUMBER: 7 OF 17

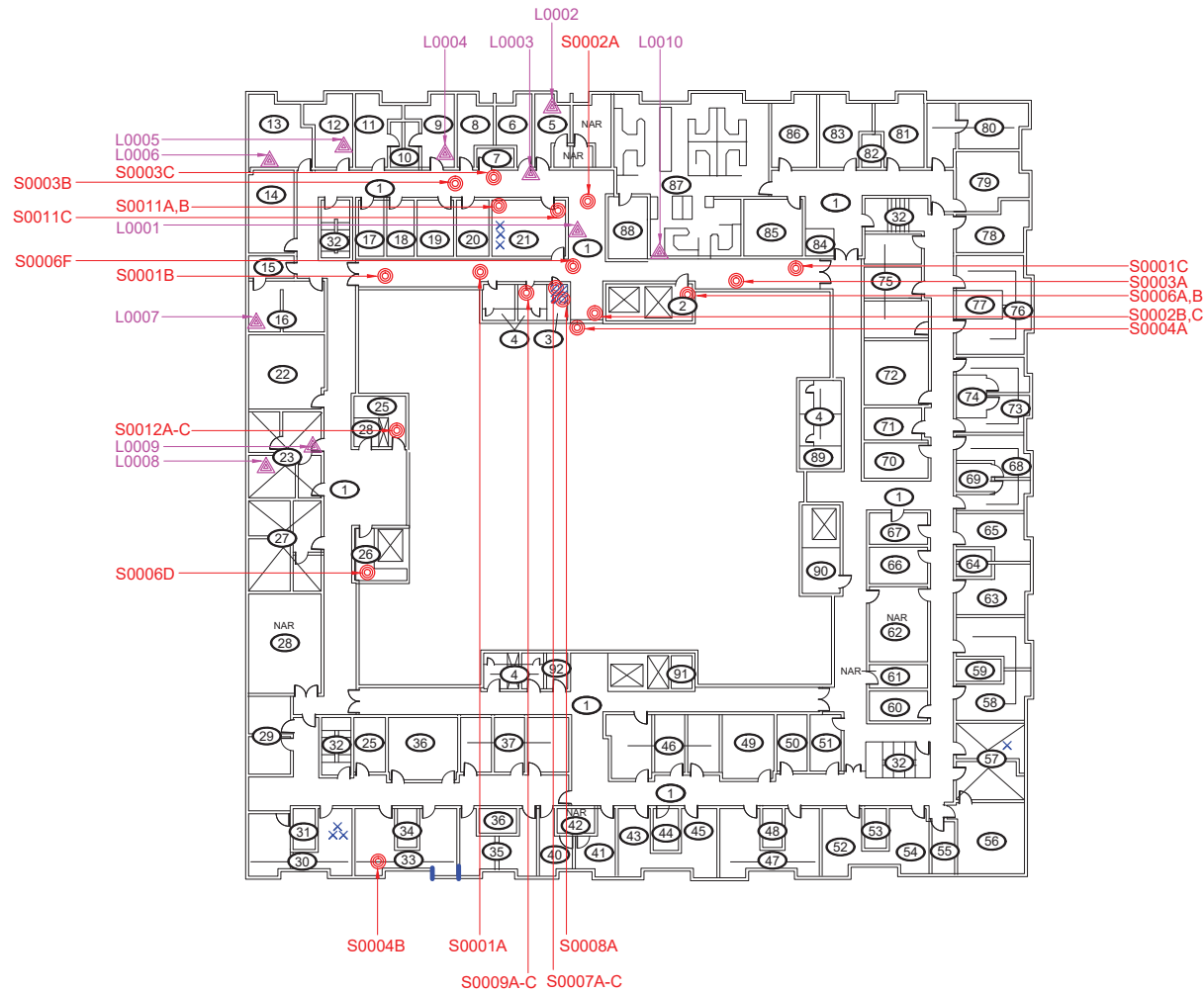




FIGURE NUMBER:
8 OF 17

Laboratory Analysis Report

To:

Doug Colby
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A104400r
Project Name: CAMH (164)
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: May 16/24 **Date Analyzed:** May 24/24
Analyst: Ameerah Ngai
Reviewed By: Malgorzata Sybydlo

Project No: 1116694
Number of Samples: 11
Date Reported: May 24/24

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-160524-1	A104400-1	Drywall joint compound / Room 4021	3 Phases: a) White, joint compound b) White, plaster c) Grey, plaster	ND			100
164-160524-2	A104400-2	Drywall joint compound / Outside 4011A	White and off white, joint compound	ND			100
164-160524-3	A104400-3	Drywall joint compound / Room 4062A	White, joint compound	ND			100
164-160524-4	A104400-4	Drywall joint compound / Room 4054	White, joint compound	ND			100
164-160524-5	A104400-5	Drywall joint compound / Outside 4078	3 Phases: a) White, joint compound b) White, plaster c) Grey, plaster	ND			100
164-160524-6A	A104400-6	12x12 White with blue tile and mastic / Room 4072A	3 Phases: a) White, vinyl floor tile b) Yellow, mastic c) Grey, cementitious material	ND			100
164-160524-6B	A104400-7	12x12 White with blue tile and mastic / Room 4024	2 Phases: a) White, vinyl floor tile b) Black and yellow, mastic	ND			100
164-160524-6C	A104400-8	12x12 White with blue tile and mastic / Room 4072A	3 Phases: a) White, vinyl floor tile b) Yellow, mastic	ND			100

EMC LAB REPORT NUMBER: A104400r

Client's Job/Project No.: CAMH (164)


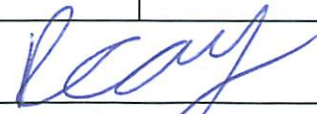
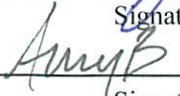

Analyst: Ameerah Ngai

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres	Non-asbestos Fibres	Non-fibrous Material
			c) Grey, cementitious material	ND		100
164-160524-7A	A104400-9	12x12 Beige tile and mastic / Room 4096	2 Phases: a) Off white, vinyl floor tile b) Black, mastic	Chrysotile ND	1	99 100
164-160524-7B	A104400-10	12x12 Beige tile and mastic / Room 4096	2 Phases: a) NA b) Black, mastic	NA ND		100
164-160524-7C	A104400-11	12x12 Beige tile and mastic / Room 4096	2 Phases: a) NA b) Black, mastic	NA 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. Vinyl floor tiles may contain very fine asbestos fibres which the PLM method cannot detect. TEM analysis may be necessary to confirm the absence of asbestos.

A106400

 UNIVERSITY OF TORONTO			REQUEST FOR ANALYSIS		
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607			Shipped From: Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx
					TEM Bulk
Samples Collected By: Doug Colby			Project, S.O. #:	1116694	Bulk Mould
			Building Name: CAMH (164)	PCM Air	Other
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-160524-1	15-May-24	Room 4021	Drywall Joint Compound	x	
164-160524-2	15-May-24	Outside 4011A	Drywall Joint Compound	x	
164-160524-3	15-May-24	Room 4062A	Drywall Joint Compound	x	
164-160524-4	15-May-24	Room 4054	Drywall Joint Compound	x	
164-160524-5	15-May-24	Outside 4078	Drywall Joint Compound	x	
164-160524-6A	15-May-24	Room 4072A	12x12 White with Blue tile and mastic	x	
164-160524-6B	15-May-24	Room 4024	12x12 White with Blue tile and mastic	x	
164-160524-6C	15-May-24	Room 4072A	12x12 White with Blue tile and mastic	x	
164-160524-7A	15-May-24	Room 4096	12x12 Beige tile and mastic	x	
164-160524-7B	15-May-24	Room 4096	12x12 Beige tile and mastic	x	
164-160524-7C	15-May-24	Room 4096	12x12 Beige tile and mastic	x	
				x	
Relinquished By: Doug Colby			 Signature		Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca
Received By: Amy BradGard			 Signature		
Analyzed By: Ameerah Ngai			 AU May 16/24 450 Signature		

Laboratory Analysis Report

To:

Doug Colby
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A104397

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: May 16/24

Date Analyzed: May 24/24

Analyst: Ameerah Ngai

Reviewed By: Malgorzata Sybydlo

Project No: 1116694

Number of Samples: 9

Date Reported: May 24/24

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-160524-8A	A104397-1	12x12 grey floor tile and mastic / room 4012	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-160524-8B	A104397-2	12x12 grey floor tile and mastic / room 4012	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-160524-8C	A104397-3	12x12 grey floor tile and mastic / room 4012	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-160524-9A	A104397-4	12x12 beige floor tile and mastic / room 4100	2 Phases: a) Beige, vinyl floor tile b) Black and yellow, mastic	Chrysotile ND	1		99 100
164-160524-9B	A104397-5	12x12 beige floor tile and mastic / room 4100	2 Phases: a) NA b) Black and yellow, mastic	NA ND			100
164-160524-9C	A104397-6	12x12 beige floor tile and mastic / room 4100	2 Phases: a) NA b) Yellow, mastic	NA ND			100
164-160524-10A	A104397-7	12x12 white and mastic 2 layers of tile / room 4094	6 Phases: a) Yellow, mastic b) Off white, vinyl floor tile c) Black, mastic d) White, vinyl floor tile e) Black, mastic	ND ND ND Chrysotile ND	1		100 100 100 99 100

EMC LAB REPORT NUMBER: A104397

Client's Job/Project No.: 1116694


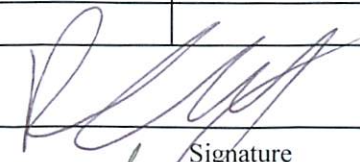
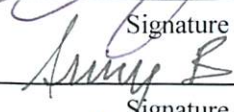

Analyst: Ameerah Ngai

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres		Non-fibrous Material
			f) Grey, cementitious material	ND		100
164-160524-10B	A104397-8	12x12 white and mastic 2 layers of tile / room 4094	6 Phases: a) Yellow, mastic b) Off white, vinyl floor tile c) Black, mastic d) NA e) Black, mastic f) Grey, cementitious material	ND ND ND NA ND ND		100 100 100 100 100
164-160524-10C	A104397-9	12x12 white and mastic 2 layers of tile / room 4094	6 Phases: a) Yellow, mastic b) Off white, vinyl floor tile c) Black, mastic d) NA e) Black, mastic f) Grey, cementitious material	ND ND ND NA ND ND		100 100 100 100 100

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%.

A106397.

 UNIVERSITY OF TORONTO			REQUEST FOR ANALYSIS		
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607			Shipped From: Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx
					TEM Bulk
Samples Collected By: Doug Colby			Project, S.O. #: 1116694		Bulk Mould
					PCM Air
			Building Name: CAMH (164)		Other
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
1 164-160524-8A	15-May-24	Room 4012	12x12 Grey Floor Tile and mastic	x	
2 164-160524-8B	15-May-24	Room 4012	12x12 Grey Floor Tile and mastic	x	
3 164-160524-8C	15-May-24	Room 4012	12x12 Grey Floor Tile and mastic	x	
4 164-160524-9A	15-May-24	Room 4100	12x12 Beige floor Tile and mastic	x	
5 164-160524-9B	15-May-24	Room 4100	12x12 Beige floor Tile and mastic	x	
6 164-160524-9C	15-May-24	Room 4100	12x12 Beige floor Tile and mastic	x	
7 164-160524-10A	15-May-24	Room 4094	12x12 white and mastic 2 layers of tile	x	
8 164-160524-10B	15-May-24	Room 4094	12x12 white and mastic 2 layers of tile	x	
9 164-160524-10C	15-May-24	Room 4094	12x12 white and mastic 2 layers of tile	x	
Relinquished By: Doug Colby Print Name			 Signature		May 16 2924 Date
Received By: Amy Bradford Print Name			 Signature		May 16 '24 Date
Analyzed By: Ameerah Ngai Print Name			 AN Signature		May 16/24 458 Date
Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca					

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A115291

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Feb 12/25

Date Analyzed: Feb 13/25

Analyst: Jayoda Perera



Project No: 1116691

Number of Samples: 3

Date Reported: Feb 13/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-110225-1A	A115291-1	Room B032 (generator room)/ sprayed fireproofing on beam	Beige, cementitious material with fibres	ND		20	80
164-110225-1B	A115291-2	Room B032 (generator room)/ sprayed fireproofing on beam	Beige, cementitious material with fibres	ND		20	80
164-110225-1C	A115291-3	Room B032 (generator room)/ sprayed fireproofing on beam	Beige, cementitious material with fibres	ND		20	80

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%.

A 115291



UNIVERSITY OF
TORONTO

REQUEST FOR ANALYSIS

Ship To: EMC Scientific Inc.

Sample Reception

5800 Ambler Drive, Suite 100, Mississauga, ON
L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607

Shipped From:

Environmental Health & Safety, 7th Floor
215 Huron Street Toronto, Ontario M5S 1A1

PLM Bulk xx

TEM Bulk

Bulk Mould

PCM Air

Other

Samples Collected
By:

Faiq Amir

Project, S.O. #:

1116691

Building Name:

CAMH (164)

[illegible]

Relinquished By:

Faiq Amir

Print Name

Received By:

Print Name
Amy Bradford

Print Name _____

Analyzed By:

Jayada Pennera

Print Name

Signature

11-Feb-25

Date _____

Sign _____
Amy B

11 Feb '25

Signature

Date _____

14

AK

FEB 12/25

Date _____

Date
Feb 13/25

Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca
With CC to: ehs.office@utoronto.ca
irfan.miraj@utoronto.ca
faiq.amir@utoronto.ca

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A11246

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Mar 20/25

Date Analyzed: Mar 21/25

Analyst: Chengming Li

Reviewed By: Malgorzata Sybydlo

Project No: 1793331

Number of Samples: 27

Date Reported: Mar 21/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-270225-1A	A117246-1	Hallway 3901 @ 3032/ wall plaster	Grey, plaster	ND			100
164-270225-1B	A117246-2	Room 3039/ wall plaster	2 Phases: a) White, plaster b) Grey, plaster	ND ND			100 100
164-270225-1C	A117246-3	Room 3080A/ ceiling plaster	2 Phases: a) White, plaster b) Grey, plaster	ND ND			100 100
164-270225-2A	A117246-4	Hallway 3903 @ 309/ drywall joint compound	Off white, joint compound	ND			100
164-270225-2B	A117246-5	Room 3003/ drywall joint compound	White, plaster	ND			100
164-270225-2C	A117246-6	Room 30801/ drywall joint compound	Off white, joint compound	ND			100
164-270225-3A	A117246-7	Room 3110A (shower)/ ceramic tile grout	White, cementitious material	ND			100
164-270225-3B	A117246-8	Room 3042A (shower)/ ceramic tile grout	White, cementitious material	ND			100
164-270225-3C	A117246-9	Room 3080A (shower)/ ceramic tile grout	White, cementitious material	ND			100
164-270225-4A	A117246-10	Elevator lobby 3900/ 12"x12" beige with off white pebbles with mastic	2 Phases: a) Beige, vinyl floor tile b) Black, mastic	ND ND			100 100

EMC LAB REPORT NUMBER: A117246

Client's Job/Project No.: 1793331

Analyst: Chengming Li

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-270225-4B	A117246-11	Elevator lobby 3900/ 12"x12" beige with off white pebbles with mastic	2 Phases: a) Beige, vinyl floor tile b) Black, mastic	ND			100
164-270225-4C	A117246-12	Room 3026/ 12"x12" beige with off white pebbles with mastic	2 Phases: a) Beige, vinyl floor tile b) Black, mastic	ND			100
164-270225-5A	A117246-13	Elevator lobby 3900/ 12"x12" dark brown with brown pebbles with mastic	2 Phases: a) Brown, vinyl floor tile b) Black, mastic	ND			100
164-270225-5B	A117246-14	Elevator lobby 3900/ 12"x12" dark brown with brown pebbles with mastic	2 Phases: a) Brown, vinyl floor tile b) Black, mastic	ND			100
164-270225-5C	A117246-15	Elevator lobby 3900/ 12"x12" dark brown with brown pebbles with mastic	2 Phases: a) Brown, vinyl floor tile b) Black, mastic	ND			100
164-270225-6A	A117246-16	Room 3021/ 12"x12" tan with brown/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND			100
164-270225-6B	A117246-17	Room 3021/ 12"x12" tan with brown/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND			100
164-270225-6C	A117246-18	Room 3021/ 12"x12" tan with brown/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND			100
164-270225-7A	A117246-19	Room 3110B/ 12"x12" off white with grey pebbles with mastic	2 Phases: a) Off white, vinyl floor tile	ND			100

EMC LAB REPORT NUMBER: A117246

Client's Job/Project No.: 1793331

Analyst: Chengming Li

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
			b) Yellow, mastic	ND			100
164-270225-7B	A117246-20	Room 4076A/ 12"x12" off white with grey pebbles with mastic	2 Phases: a) Off white, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-270225-7C	A117246-21	Room 4072A/ 12"x12" off white with grey pebbles with mastic	2 Phases: a) Off white, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-270225-8A	A117246-22	Room 304/ 12"x12" pink with pink/cream pebbles with mastic	2 Phases: a) Pink, vinyl floor tile b) Black, mastic	ND ND			100 100
164-270225-8B	A117246-23	Room 305/ 12"x12" pink with pink/cream pebbles with mastic	2 Phases: a) Pink, vinyl floor tile b) Black, mastic	ND ND			100 100
164-270225-8C	A117246-24	Room 330/ 12"x12" pink with pink/cream pebbles with mastic	2 Phases: a) Pink, vinyl floor tile b) Black, mastic	ND ND			100 100
164-270225-9A	A117246-25	Hallway 3902/ 12"x12" grey with grey/ white pebbles	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-270225-9B	A117246-26	Hallway 3903/ 12"x12" grey with grey/ white pebbles	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-270225-9C	A117246-27	Hallway 3905/ 12"x12" grey with grey/ white pebbles	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100

Note:



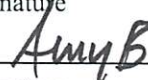
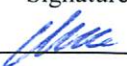
EMC LAB REPORT NUMBER: A117246

Client's Job/Project No.: 1793331


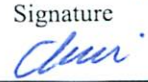
Analyst: Chengming Li

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. Vinyl floor tiles may contain very fine asbestos fibres which the PLM method cannot detect. TEM analysis may be necessary to confirm the absence of asbestos.

A117246

 UNIVERSITY OF TORONTO			REQUEST FOR ANALYSIS		
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607			Shipped Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx TEM Bulk Bulk Mould PCM Air Other
Samples Collected By: Faiq Amir			Project, S.O. #: 1793331		
			Building Name: CAMH (164)		
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-270225-1A	27-Feb-25	Hallway 3901 @ 3032	Wall Plaster		X
164-270225-1B	27-Feb-25	Room 3039	Wall Plaster		X
164-270225-1C	27-Feb-25	Room 3080A	Ceiling Plaster		X
164-270225-2A	27-Feb-25	Hallway 3903 @ 309	Drywall Joint Compound		X
164-270225-2B	27-Feb-25	Room 3003	Drywall Joint Compound		X
164-270225-2C	27-Feb-25	Room 30801	Drywall Joint Compound		X
164-270225-3A	27-Feb-25	Room 3110A (Shower)	Ceramic tile grout		X
164-270225-3B	27-Feb-25	Room 3042A (Shower)	Ceramic tile grout		X
164-270225-3C	27-Feb-25	Room 3080A (Shower)	Ceramic tile grout		X
164-270225-4A	27-Feb-25	Elevator Lobby 3900	12"x12" beige with off white pebbles with mastic		X
164-270225-4B	27-Feb-25	Elevator Lobby 3900	12"x12" beige with off white pebbles with mastic		X
164-270225-4C	27-Feb-25	Room 3026	12"x12" beige with off white pebbles with mastic		X
Relinquished By: Faiq Amir Print Name			 Signature		17-Mar-25 Date
Received By: Amy Bradford Print Name			 Signature		20-Mar-25 Date
Analyzed By: C. Li Print Name			 Signature		Mar 21/25 Date
Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca					

A117246

UNIVERSITY OF TORONTO			REQUEST FOR ANALYSIS		
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607		Shipped From: Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx	
Samples Collected By: Faiq Amir		Project, S.O. #: 1793331		TEM Bulk	
		Building Name: CAMH (164)		Bulk Mould	
				PCM Air	
				Other	
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-270225-5A	27-Feb-25	Elevator Lobby 3900	12"x12" Dark brown with brown pebbles with mastic		X
164-270225-5B	27-Feb-25	Elevator Lobby 3900	12"x12" Dark brown with brown pebbles with mastic		X
164-270225-5C	27-Feb-25	Elevator Lobby 3900	12"x12" Dark brown with brown pebbles with mastic		X
164-270225-6A	27-Feb-25	Room 3021	12"x12" Tan with brown/white pebbles with mastic		X
164-270225-6B	27-Feb-25	Room 3021	12"x12" Tan with brown/white pebbles with mastic		X
164-270225-6C	27-Feb-25	Room 3021	12"x12" Tan with brown/white pebbles with mastic		X
164-270225-7A	27-Feb-25	Room 3110B	12"x12" Off white with grey pebbles with mastic		X
164-270225-7B	27-Feb-25	Room 4076A	12"x12" Off white with grey pebbles with mastic		X
164-270225-7C	27-Feb-25	Room 4072A	12"x12" Off white with grey pebbles with mastic		X
164-270225-8A	27-Feb-25	Room 304	12"x12" Pink with pink/cream pebbles with mastic		X
164-270225-8B	27-Feb-25	Room 305	12"x12" Pink with pink/cream pebbles with mastic		X
164-270225-8C	27-Feb-25	Room 330	12"x12" Pink with pink/cream pebbles with mastic		X
164-270225-9A	27-Feb-25	Hallway 3902	12"x12" Grey with grey/white pebbles		X
164-270225-9B	27-Feb-25	Hallway 3903	12"x12" Grey with grey/white pebbles		X
164-270225-9C	27-Feb-25	Hallway 3905	12"x12" Grey with grey/white pebbles		X
Relinquished By: Faiq Amir			Signature: 		Date: 17-Mar-25
Received By: Amy Bradford			Signature: Amy B		Date: 20 Mar '25
Analyzed By: C. Li			Signature: 		Date: Mar 20/25 155
Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shen@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca					

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A117496

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Mar 25/25

Date Analyzed: Mar 28/25

Analyst: Rahul Patel

Reviewed By: Malgorzata Sybydlo

Project No: 1793331

Number of Samples: 18

Date Reported: Mar 28/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-280225-1A	A117496-1 ⁶	Main lobby 2900/ wall plaster	2 Phases: a) White, joint compound b) White, plaster	ND ND			100 100
164-280225-1B	A117496-2 ⁶	Room 2017/ wall plaster	White, joint compound	ND			100
164-280225-1C	A117496-3 ⁶	Room 2067A/ wall plaster	White, plaster	ND			100
164-280225-2A	A117496-4	Room 2008/ drywall joint compound	2 Phases: a) White, joint compound b) Off white, joint compound	ND ND			100 100
164-280225-2B	A117496-5	Room 2014/ drywall joint compound	Off white, joint compound	ND			100
164-280225-2C	A117496-6	Room 2052/ drywall joint compound	2 Phases: a) White, joint compound b) Off white, joint compound	ND ND			100 100
164-280225-3A	A117496-7	Room 2041/ 12"x12" green with white streaks with mastic	2 Phases: a) Beige, vinyl floor tile b) Black, mastic	Chrysotile ND	2	1	98 99
164-280225-3B	A117496-8	Room 2041B/ 12"x12" green with white streaks with mastic	2 Phases: a) NA b) Black, mastic	NA ND		1	99
164-280225-3C	A117496-9	Room 1066/ 12"x12" green with white streaks with mastic	2 Phases: a) NA b) Black, mastic	NA Chrysotile	1	1	98

EMC LAB REPORT NUMBER: A117496

Client's Job/Project No.: 1793331

Analyst: Rahul Patel

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-280225-4A	A117496-10	Room 2046/ 12"x12" light beige with beige/ off-white pebbles with mastic	3 Phases: a) Yellow, mastic b) Off white, vinyl floor tile c) Black, mastic	ND		1	99
				ND			100
				ND		1	99
164-280225-4B	A117496-11	Room 2050/ 12"x12" light beige with beige/ off-white pebbles with mastic	3 Phases: a) Yellow, mastic b) Off white, vinyl floor tile c) Black, mastic	ND		1	99
				ND			100
				ND		1	99
164-280225-4C	A117496-12	Room 2056/ 12"x12" light beige with beige/ off-white pebbles with mastic	2 Phases: a) Off white, vinyl floor tile b) Black, mastic	ND			100
				ND		1	99
164-280225-5A	A117496-13	Room 2062A (kitchen)/ 12"x12" dark grey with grey/ black pattern with mastic	2 Phases: a) Grey and brown, vinyl flooring b) Yellow, mastic	ND		5	95
				ND		1	99
164-280225-5B	A117496-14	Room 2062A (kitchen)/ 12"x12" dark grey with grey/ black pattern with mastic	2 Phases: a) Grey and brown, vinyl flooring b) Yellow and black, mastic	ND		5	95
				ND		1	99
164-280225-5C	A117496-15	Room 2062A (kitchen)/ 12"x12" dark grey with grey/ black pattern with mastic	3 Phases: a) Grey and brown, vinyl flooring b) Yellow and black, mastic c) Off white, woven fibrous material	ND		5	95
				ND		1	99
				ND		90	10
164-280225-6A	A117496-16	Hallway 2901/ 12"x12" grey with grey/ white pebbles with mastic	Grey, vinyl floor tile	ND			100
164-280225-6B	A117496-17 ⁶	Hallway 2904/ 12"x12" grey with grey/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile	ND			100

EMC LAB REPORT NUMBER: A117496

Client's Job/Project No.: 1793331


Analyst: Rahul Patel

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)		
				Asbestos Fibres		Non-fibrous Material
			b) Yellow, mastic	ND		1 99
164-280225-6C	A117496-18 ⁶	Hallway 2906/ 12"x12" grey with grey/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND		1 100 99

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. Vinyl floor tiles may contain very fine asbestos fibres which the PLM method cannot detect. TEM analysis may be necessary to confirm the absence of asbestos.
6. Another phase is present but is too small to analyze.

A117496

 UNIVERSITY OF TORONTO		REQUEST FOR ANALYSIS			
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607		Shipped Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx TEM Bulk Bulk Mould PCM Air Other	
Samples Collected By: Faiq Amir		Project, S.O. #: 1793331			
		Building Name: CAMH (164)			
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-280225-1A	28-Feb-25	Main Lobby 2900	Wall Plaster		X
164-280225-1B	28-Feb-25	Room 2017	Wall Plaster		X
164-280225-1C	28-Feb-25	Room 2067A	Wall Plaster		X
164-280225-2A	28-Feb-25	Room 2008	Drywall Joint Compound		X
164-280225-2B	28-Feb-25	Room 2014	Drywall Joint Compound		X
164-280225-2C	28-Feb-25	Room 2052	Drywall Joint Compound		X
164-280225-3A	28-Feb-25	Room 2041	12"x12" Green with white streaks with mastic		X
164-280225-3B	28-Feb-25	Room 2041B	12"x12" Green with white streaks with mastic		X
164-280225-3C	28-Feb-25	Room 1066	12"x12" Green with white streaks with mastic		X
164-280225-4A	28-Feb-25	Room 2046	12"x12" Light Beige with beige/off-white pebbles with mastic		X
164-280225-4B	28-Feb-25	Room 2050	12"x12" Light Beige with beige/off-white pebbles with mastic		X
164-280225-4C	28-Feb-25	Room 2056	12"x12" Light Beige with beige/off-white pebbles with mastic		X
Relinquished By: Faiq Amir Print Name				20-Mar-25 Date	
Received By: Nicole Irwin Print Name				Signature Date	
Analyzed By: Print Name				Signature Date	
				Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca	

ASph

Mar 25/25

1:25 P.M.

[illegible]

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A116848

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Mar 13/25

Date Analyzed: Mar 14/25

Analyst: Jayoda Perera

Reviewed By: Malgorzata Sybydlo

Project No: 1793331

Number of Samples: 12

Date Reported: Mar 14/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-030325-1A	A116848-1	Hallway 3902 @ room 3024/ 1'x1' ceiling tile adhesive (brown)	Brown, mastic	ND			100
164-030325-1B	A116848-2	room 3026/ 1'x1' ceiling tile adhesive (brown)	Brown, mastic	ND			100
164-030325-1C	A116848-3	room 3085/ 1'x1' ceiling tile adhesive (brown)	Brown, mastic	ND			100
164-030325-2A	A116848-4	Hallway 2905 @ room 2057/ 1'x1' ceiling tile adhesive (brown)	Yellow, mastic	ND			100
164-030325-2B	A116848-5	Room 2002/ 1'x1' ceiling tile adhesive (brown)	Yellow, mastic	ND			100
164-030325-2C	A116848-6	Room 2038/ 1'x1' ceiling tile adhesive (brown)	Yellow, mastic	ND			100
164-030325-3A	A116848-7	Hallway 1908 @ room 1092/ 1'x1' ceiling tile adhesive (light brown)	Brown, mastic	ND			100
164-030325-3B	A116848-8	Hallway 1902 @ room 1012A/ 1'x1' ceiling tile adhesive (light brown)	Brown, mastic	ND			100
164-030325-3C	A116848-9	Room 1022/ 1'x1' ceiling tile adhesive (light brown)	Brown, mastic	ND			100
164-030325-4A	A116848-10	Hallway 1901 @ room 1131/ 1'x1' ceiling tile adhesive (black)	Black, tar	ND			100
164-030325-4B	A116848-11	Hallway 1901 @ room 1131/ 1'x1' ceiling tile adhesive (black)	Black, tar	ND			100
164-030325-4C	A116848-12	Hallway 1901 @ room 1018/ 1'x1' ceiling tile adhesive (black)	Black, tar	ND			100

EMC LAB REPORT NUMBER: A116848

Client's Job/Project No.: 1793331

Analyst: Jayoda Perera

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%.

A116848



UNIVERSITY OF
TORONTO

REQUEST FOR ANALYSIS

Ship To: EMC Scientific Inc.

Sample Reception

5800 Ambler Drive, Suite 100, Mississauga, ON

L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607

Shipped From:

Environmental Health & Safety, 7th Floor

215 Huron Street Toronto, Ontario M5S 1A1

PLM Bulk xx

TEM Bulk

Bulk Mould

PCM Air

Other

Samples Collected By:

Faiq Amir

Project, S.O. #:

1793331

Building Name:

CAMH (164)

Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-030325-1A	03-Mar-25	Hallway 3902 @ room 3024	1'x1' Ceiling tile adhesive (Brown)		X
164-030325-1B	03-Mar-25	Room 3026	1'x1' Ceiling tile adhesive (Brown)		X
164-030325-1C	03-Mar-25	Room 3085	1'x1' Ceiling tile adhesive (Brown)		X
164-030325-2A	03-Mar-25	Hallway 2905 @ room 2057	1'x1' Ceiling tile adhesive (Brown)		X
164-030325-2B	03-Mar-25	Room 2002	1'x1' Ceiling tile adhesive (Brown)		X
164-030325-2C	03-Mar-25	Room 2038	1'x1' Ceiling tile adhesive (Brown)		X
164-030325-3A	03-Mar-25	Hallway 1908 @ room 1092	1'x1' Ceiling tile adhesive (Light Brown)		X
164-030325-3B	03-Mar-25	Hallway 1902 @ room 1012A	1'x1' Ceiling tile adhesive (Light Brown)		X
164-030325-3C	03-Mar-25	Room 1022	1'x1' Ceiling tile adhesive (Light Brown)		X
164-030325-4A	03-Mar-25	Hallway 1901 @ room 1131	1'x1' Ceiling tile adhesive (Black)		X
164-030325-4B	03-Mar-25	Hallway 1901 @ room 1131	1'x1' Ceiling tile adhesive (Black)		X
164-030325-4C	03-Mar-25	Hallway 1901 @ room 1018	1'x1' Ceiling tile adhesive (Black)		X

Relinquished By:

Faiq Amir

Print Name

Signature

12-Mar-25

Date

Received By:

Amey Bradford

Print Name

Amey B

Signature

13 Mar '25

Date

Analyzed By:

Jayoda Perera

Print Name

J

Signature

AM Mar 13/25

Date

Mar 14 / 25

Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca
With CC to: ehs.office@utoronto.ca
irfan.miraj@utoronto.ca
doug.colby@utoronto.ca
faiq.amir@utoronto.ca

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A117497
Project Name: CAMH (164)
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Mar 25/25 **Date Analyzed:** Mar 28/25
Analyst: Elizabeth Mierzynski
Reviewed By: Malgorzata Sybydlo

Project No: 1793331
Number of Samples: 27
Date Reported: Mar 28/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-040325-1A	A117497-1 ⁵	Hallway 1904/ wall plaster	White, plaster	ND			100
164-040325-1B	A117497-2 ⁵	Room 1113/ wall plaster	White, plaster	ND			100
164-040325-1C	A117497-3 ⁵	Room 1029/ wall plaster	White, plaster	ND			100
164-040325-2A	A117497-4	Room 1001/ drywall joint compound	White, joint compound	ND			100
164-040325-2B	A117497-5	Room 1111/ drywall joint compound	White and off white, joint compound	ND			100
164-040325-2C	A117497-6	Room 1029/ drywall joint compound	White, joint compound	ND			100
164-040325-3A	A117497-7 ⁶	Room 1021/ ceramic tile grout	Off white, cementitious material	ND			100
164-040325-3B	A117497-8 ⁶	Room 1029/ ceramic tile grout	White, cementitious material	ND			100
164-040325-3C	A117497-9 ⁶	Room 1029/ ceramic tile grout	White, cementitious material	ND			100
164-040325-4A	A117497-10	Room 1024/ 12"x12" grey with black/ grey/ white pebbles with mastic	2 Phases: a) Yellow, mastic b) Grey, vinyl floor tile	ND ND			100 100
164-040325-4B	A117497-11	Room 1094/ 12"x12" grey with black/ grey/ white pebbles with mastic	2 Phases: a) Yellow, mastic b) Grey, vinyl floor tile	ND ND			100 100

EMC LAB REPORT NUMBER: A117497

Client's Job/Project No.: 1793331

Analyst: Elizabeth Mierzynski

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-040325-4C	A117497-12	Room 1095/ 12"x12" grey with black/ grey/ white pebbles with mastic	2 Phases: a) Yellow, mastic b) Grey, vinyl floor tile	ND ND			100 100
164-040325-5A	A117497-13 ⁷	Room 1111/ 12"x12" off-white with grey pebbles with mastic	2 Phases: a) Off white, vinyl floor tile b) Black, mastic	ND Chrysotile	<0.5		100 100
164-040325-5B	A117497-14	Room 1112/ 12"x12" off-white with grey pebbles with mastic	2 Phases: a) Off white, vinyl floor tile b) Black, mastic	ND Chrysotile	1		100 99
164-040325-5C	A117497-15	Room 2031A1/ 12"x12" off-white with grey pebbles with mastic	2 Phases: a) Off white, vinyl floor tile b) NA	ND NA			100
164-040325-6A	A117497-16	Room 1106/ 12"x12" beige with green pebbles with mastic	White, vinyl floor tile	ND			100
164-040325-6B	A117497-17 ⁷	Room 1066/ 12"x12" beige with green pebbles with mastic	2 Phases: a) White, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-040325-6C	A117497-18 ⁷	Room 1101/ 12"x12" beige with green pebbles with mastic	2 Phases: a) White, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-040325-7A	A117497-19	Room 1058E/ 12"x12" grey with black/ grey pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Black, mastic	ND Chrysotile	0.5		100 99.5
164-040325-7B	A117497-20	Room 1058/ 12"x12" grey with black/ grey pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) NA	ND NA			100

EMC LAB REPORT NUMBER: A117497

Client's Job/Project No.: 1793331

Analyst: Elizabeth Mierzynski

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-040325-7C	A117497-21	Room 1053/ 12"x12" grey with black/ grey pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) NA	ND NA			100
164-040325-8A	A117497-22 ⁷	Room 1062/ 12"x12" beige with grey/ beige streaks with mastic	2 Phases: a) Off white, vinyl floor tile b) Black and yellow, mastic	ND Chrysotile	<0.5		100 100
164-040325-8B	A117497-23 ⁷	Room 1059/ 12"x12" beige with grey/ beige streaks with mastic	2 Phases: a) Off white, vinyl floor tile b) Black and yellow, mastic	ND Chrysotile	<0.5		100 100
164-040325-8C	A117497-24 ⁷	Room B027/ 12"x12" beige with grey/ beige streaks with mastic	2 Phases: a) Off white, vinyl floor tile b) Black and yellow, mastic	ND ND			100 100
164-040325-9A	A117497-25 ⁷	Hallway 1901/ 12"x12" grey with grey/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Black and yellow, mastic	ND ND			100 100
164-040325-9B	A117497-26 ⁷	Hallway 1902/ 12"x12" grey with grey/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Black and yellow, mastic	ND ND			100 100
164-040325-9C	A117497-27 ⁷	Hallway 1906/ 12"x12" grey with grey/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Black and yellow, mastic	ND ND		1	100 99

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 is too small to analyze.

EMC LAB REPORT NUMBER: A117497

Client's Job/Project No.: 1793331


Analyst: Elizabeth Mierzynski

6. Sample is small in size.

7. Phase b) is small in size.

8. Vinyl floor tiles may contain very fine asbestos fibres which the PLM method cannot detect. TEM analysis may be necessary to confirm the absence of asbestos.

A117497

 UNIVERSITY OF TORONTO			REQUEST FOR ANALYSIS				
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607			Shipped Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx		
					TEM Bulk		
Samples Collected By: Faiq Amir			Project, S.O. #: 1793331		Bulk Mould		
					PCM Air		
Building Name: CAMH (164)			Other				
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time			
				Regular	24 Hours		
164-040325-1A	04-Mar-25	Hallway 1904	Wall Plaster		X		
164-040325-1B	04-Mar-25	Room 1113	Wall Plaster		X		
164-040325-1C	04-Mar-25	Room 1029	Wall Plaster		X		
164-040325-2A	04-Mar-25	Room 1001	Drywall Joint Compound		X		
164-040325-2B	04-Mar-25	Room 1111	Drywall Joint Compound		X		
164-040325-2C	04-Mar-25	Room 1029	Drywall Joint Compound		X		
164-040325-3A	04-Mar-25	Room 1021	Ceramic tile grout		X		
164-040325-3B	04-Mar-25	Room 1029	Ceramic tile grout		X		
164-040325-3C	04-Mar-25	Room 1029	Ceramic tile grout		X		
164-040325-4A	04-Mar-25	Room 1024	12"x12" Grey with black/grey/white pebbles with mastic		X		
164-040325-4B	04-Mar-25	Room 1094	12"x12" Grey with black/grey/white pebbles with mastic		X		
164-040325-4C	04-Mar-25	Room 1095	12"x12" Grey with black/grey/white pebbles with mastic		X		
Relinquished By: <u>Faiq Amir</u> Print Name				24-Mar-25			
				Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca			
						Received By: <u>Nicole Irwin</u> Print Name	
						Signature	
Analyzed By: <u>ELIZABETH MIERZYNSKI</u> Print Name				Signature			
				Date			

AS mar 25/25 1:25



UNIVERSITY OF
TORONTO

REQUEST FOR ANALYSIS

Ship To: EMC Scientific Inc.
Sample Reception
5800 Ambler Drive, Suite 100, Mississauga, ON
L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607

Shipped
Environmental Health & Safety, 7th Floor
215 Huron Street Toronto, Ontario M5S 1A1

PLM Bulk xx

TEM Bulk

Bulk Mould

PCM Air

Other

Samples Collected By:

Faiq Amir

Project, S.O. #:

1793331

Building Name:

CAMH (164)

Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
13 164-040325-5A	04-Mar-25	Room 1111	12"x12" Off-white with grey pebbles with mastic		X
14 164-040325-5B	04-Mar-25	Room 1112	12"x12" Off-white with grey pebbles with mastic		X
15 164-040325-5C	04-Mar-25	Room 2031A1	12"x12" Off-white with grey pebbles with mastic		X
16 164-040325-6A	04-Mar-25	Room 1106	12"x12" Beige with green pebbles with mastic		X
17 164-040325-6B	04-Mar-25	Room 1066	12"x12" Beige with green pebbles with mastic		X
18 164-040325-6C	04-Mar-25	Room 1101	12"x12" Beige with green pebbles with mastic		X
19 164-040325-7A	04-Mar-25	Room 1058E	12"x12" Grey with black/grey pebbles with mastic		X
20 164-040325-7B	04-Mar-25	Room 1058	12"x12" Grey with black/grey pebbles with mastic		X
21 164-040325-7C	04-Mar-25	Room 1053	12"x12" Grey with black/grey pebbles with mastic		X
22 164-040325-8A	04-Mar-25	Room 1062	12"x12" Beige with grey/beige streaks with mastic		X
23 164-040325-8B	04-Mar-25	Room 1059	12"x12" Beige with grey/beige streaks with mastic		X
24 164-040325-8C	04-Mar-25	Room B027	12"x12" Beige with grey/beige streaks with mastic		X

Relinquished By:

Faiq Amir

Print Name

Signature

24-Mar-25

Date

Received By:

Print Name

Signature

Date

Analyzed By:

ELIZABETH MIERZYNSKI

Print Name

Signature

Mar 28, 2025

Date

Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca
With CC to: ehs.office@utoronto.ca
irfan.miraj@utoronto.ca
doug.colby@utoronto.ca
faiq.amir@utoronto.ca



UNIVERSITY OF
TORONTO

REQUEST FOR ANALYSIS

Ship To: EMC Scientific Inc.

Sample Reception

5800 Ambler Drive, Suite 100, Mississauga, ON

L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607

Shipped

Environmental Health & Safety, 7th Floor

215 Huron Street Toronto, Ontario M5S 1A1

PLM Bulk xx

TEM Bulk

Bulk Mould

PCM Air

Other

Samples Collected

Faiq Amir

By:

Project, S.O. #:

1793331

Building Name:

CAMH (164)

Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-040325-9A	4-Mar-25	Hallway 1901	12"x12" Grey with grey/white pebbles with mastic		X
164-040325-9B	4-Mar-25	Hallway 1902	12"x12" Grey with grey/white pebbles with mastic		X
164-040325-9C	4-Mar-25	Hallway 1906	12"x12" Grey with grey/white pebbles with mastic		X

Relinquished By:

Faiq Amir

Print Name

Signature

24-Mar-25

Date

Received By:

Print Name

Signature

Date

Analyzed By:

Print Name

Signature

Date

Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca
With CC to: ehs.office@utoronto.ca
irfan.miraj@utoronto.ca
doug.colby@utoronto.ca
faiq.amir@utoronto.ca

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A117663

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Mar 27/25

Date Analyzed: Mar 28/25

Analyst: Jayoda Perera

Reviewed By: Malgorzata Sybydlo

Project No: 1793331

Number of Samples: 15

Date Reported: Mar 28/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-070325-1A	A117663-1	Room B010/ wall plaster	2 Phases: a) White, plaster b) Grey, plaster	ND Chrysotile	<0.5		100 100
164-070325-1B	A117663-2	Hallway B900/ wall plaster	2 Phases: a) White, plaster b) Grey, plaster	ND Chrysotile	<0.5		100 100
164-070325-1C	A117663-3	Hallway B901/ wall plaster	2 Phases: a) White, plaster b) Grey, plaster	ND Chrysotile	<0.5		100 100
164-070325-2A	A117663-4	Room B008/ drywall joint compound	White, joint compound	ND			100
164-070325-2B	A117663-5	Room B040/ drywall joint compound	White, joint compound	ND			100
164-070325-2C	A117663-6	Room B041/ drywall joint compound	White, joint compound	ND			100
164-070325-3A	A117663-7	Room B006/ ceramic tile grout	White, cementitious material	ND			100
164-070325-3B	A117663-8	Room B006/ ceramic tile grout	White, cementitious material	ND			100
164-070325-3C	A117663-9	Room B048/ ceramic tile grout	White, cementitious material	ND			100
164-070325-4A	A117663-10	Hallway 1902/ 2'x4' long fissured	Grey, ceiling tile	ND		75	25

EMC LAB REPORT NUMBER: A117663

Client's Job/Project No.: 1793331


Analyst: Jayoda Perera


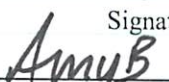

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-070325-4B	A117663-11	Hallway B900/ 2'x4' long fissured	Grey, ceiling tile	ND		75	25
164-070325-4C	A117663-12	Hallway B901/ 2'x4' long fissured	Grey, ceiling tile	ND		75	25
164-070325-5A	A117663-13	Room B037/ 12"x12" red/yellow checker	2 Phases: a) Red, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-070325-5B	A117663-14	Room B037/ 12"x12" red/yellow checker	3 Phases: a) Yellow, vinyl floor tile b) Yellow, mastic c) Grey, cementitious material	Chrysotile ND ND	1		99 100 100
164-070325-5C	A117663-15	Room B037/ 12"x12" red/yellow checker	2 Phases: a) Red, vinyl floor tile b) Yellow, mastic	ND ND			100 100

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. Vinyl floor tiles may contain very fine asbestos fibres which the PLM method cannot detect. TEM analysis may be necessary to confirm the absence of asbestos.

A117663

 UNIVERSITY OF TORONTO		REQUEST FOR ANALYSIS			
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607		Shipped Environmental Health & Safety, 7th Floor, 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx TEM Bulk Bulk Mould PCM Air Other	
Samples Collected By: Faiq Amir		Project, S.O. #: 1793331		Building Name: CAMH (164)	
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-070325-1A	07-Mar-25	Room B010	Wall Plaster		X
164-070325-1B	07-Mar-25	Hallway B900	Wall Plaster		X
164-070325-1C	07-Mar-25	Hallway B901	Wall Plaster		X
164-070325-2A	07-Mar-25	Room B008	Drywall Jpoint Compound		X
164-070325-2B	07-Mar-25	Room B040	Drywall Jpoint Compound		X
164-070325-2C	07-Mar-25	Room B041	Drywall Jpoint Compound		X
164-070325-3A	07-Mar-25	Room B006	Ceramic Tile Grout		X
164-070325-3B	07-Mar-25	Room B006	Ceramic Tile Grout		X
164-070325-3C	07-Mar-25	Room B048	Ceramic Tile Grout		X
164-070325-4A	07-Mar-25	Hallway 1902	2'x4' Long Fissured		X
164-070325-4B	07-Mar-25	Hallway B900	2'x4' Long Fissured		X
164-070325-4C	07-Mar-25	Hallway B901	2'x4' Long Fissured		X
164-070325-5A	07-Mar-25	Room B037	12"x12" Red/Yellow checker		X
164-070325-5B	07-Mar-25	Room B037	12"x12" Red/Yellow checker		X
164-070325-5C	07-Mar-25	Room B037	12"x12" Red/Yellow checker		X

Relinquished By: Faiq Amir _____ Print Name	 _____ Signature	26-Mar-25 _____ Date	Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shenk@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca
Received By: Amy Bradford _____ Print Name	 _____ Signature	27 Mar '25 _____ Date	
Analyzed By: Jayoda Perera _____ Print Name	 _____ Signature	Mar 27/25 450 _____ Date	

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Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A117143

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Mar 19/25

Date Analyzed: Mar 19/25

Analyst: Fabio Anunciacao

Reviewed By: Malgorzata Sybydlo

Project No: 1713937

Number of Samples: 5





Date Reported: Mar 19/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-190325-1A	A117143-1	Hallway 4901/ carpet adhesive	Yellow and colourless, mastic	ND			100
164-190325-1B	A117143-2	Hallway 4903/ carpet adhesive	Yellow and colourless, mastic	ND			100
164-190325-1C	A117143-3	Hallway 4905/ carpet adhesive	Yellow and colourless, mastic	ND			100
164-190325-1D	A117143-4	Hallway 4906/ carpet adhesive	Yellow and colourless, mastic	ND			100
164-190325-1E	A117143-5	Hallway 4907/ carpet adhesive	Yellow and colourless, mastic	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%.

A117143

 UNIVERSITY OF TORONTO			REQUEST FOR ANALYSIS		
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607			Shipped From: Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx TEM Bulk Bulk Mould PCM Air Other
Samples Collected By:	Faiq Amir	Project, S.O. #:	1713937		Building Name: CAMH (164)
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	RUSH-4 Hours
164-190325-1A	19-Mar-25	Hallway 4901	Carpet Adhesive.		X
164-190325-1B	19-Mar-25	Hallway 4903	Carpet Adhesive.		X
164-190325-1C	19-Mar-25	Hallway 4905	Carpet Adhesive.		X
164-190325-1D	19-Mar-25	Hallway 4906	Carpet Adhesive.		X
164-190325-1E	19-Mar-25	Hallway 4907	Carpet Adhesive.		X
Relinquished By: Faiq Amir Print Name			 Signature		19-Mar-25 Date
Received By: Nicole Irwin Print Name			 Signature		19-mar-25 Date
Analyzed By: Fabio Amoretti Print Name			 Signature		mar 19/25 1140 Date
Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca					

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A117662

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Mar 27/25

Date Analyzed: Mar 28/25

Analyst: Jayoda Perera

Reviewed By: Malgorzata Sybydo

Project No: 1793331

Number of Samples: 3

Date Reported: Mar 28/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-200325-1A	A117662-1	P1 - near northeast stairs/ pipe insulation (canvas wrapped)	Grey, paper	Chrysotile	60	20	20
164-200325-1B	A117662-2	P1 - near northeast stairs/ pipe insulation (canvas wrapped)	NA	NA			
164-200325-1C	A117662-3	P1 - near northeast stairs/ pipe insulation (canvas wrapped)	NA	NA			

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%.



REQUEST FOR ANALYSIS

A117662

Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca
With CC to: ehs.office@utoronto.ca
irfan.miraj@utoronto.ca
doug.colby@utoronto.ca
faiq.amir@utoronto.ca

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A122356

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Jul 14/25

Date Analyzed: Jul 14/25

Analyst: Rahul Patel

Reviewed By: Malgorzata Sybydlo

Project No: 1793331

Number of Samples: 9

Date Reported: Jul 14/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-090725-1A	A122356-1	Room 4047/ 12"x12" off white with grey streaks with mastic	3 Phases: a) Yellow, mastic b) Off white, vinyl floor tile c) Black, mastic	ND Chrysotile ND	1	1 1	99 99 99
164-090725-1B	A122356-2	Room 4062A/ 12"x12" off white with grey streaks with mastic	3 Phases: a) Yellow, mastic b) NA c) Black, mastic	ND NA ND		1 1	99 99
164-090725-1C	A122356-3	Room 4081/ 12"x12" off white with grey streaks with mastic	3 Phases: a) Yellow, mastic b) NA c) Black, mastic	ND NA ND		1 1	99 99
164-090725-2A	A122356-4	Room 4079/ 12"x12" green with mastic	2 Phases: a) Beige, vinyl floor tile b) Yellow, mastic	Chrysotile ND	1	1	99 99
164-090725-2B	A122356-5	Room 4079/ 12"x12" green with mastic	2 Phases: a) NA b) Yellow, mastic	NA ND		1	99
164-090725-2C	A122356-6	Room 4079/ 12"x12" green with mastic	2 Phases: a) NA b) Yellow, mastic	NA ND		1	99
164-090725-3A	A122356-7	Room 4078/ 12"x12" brown & green (2 layers) with mastic	4 Phases: a) Brown, vinyl floor tile b) Colourless, mastic	ND ND		1	100 99

EMC LAB REPORT NUMBER: A122356

Client's Job/Project No.: 1793331

Analyst: Rahul Patel

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
			c) Beige, vinyl floor tile d) Yellow, mastic	Chrysotile ND	1	1	99
164-090725-3B	A122356-8 ⁶	Room 4078/ 12"x12" brown & green (2 layers) with mastic	4 Phases: a) Brown, vinyl floor tile b) Colourless, mastic c) NA d) Yellow, mastic	ND ND NA ND		1	100 99
164-090725-3C	A122356-9 ⁶	Room 4078/ 12"x12" brown & green (2 layers) with mastic	4 Phases: a) Brown, vinyl floor tile b) Colourless, mastic c) NA d) Yellow, mastic	ND ND NA ND		1	100 99

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. Vinyl floor tiles may contain very fine asbestos fibres which the PLM method cannot detect. TEM analysis may be necessary to confirm the absence of asbestos.
6. Phase c) is small in size.

A122356



UNIVERSITY OF
TORONTO

REQUEST FOR ANALYSIS

Ship To: EMC Scientific Inc.

Sample Reception

5800 Ambler Drive, Suite 100, Mississauga, ON

L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607

Shipped

Environmental Health & Safety, 7th Floor

215 Huron Street Toronto, Ontario M5S 1A1

PLM Bulk xx

TEM Bulk

Bulk Mould

PCM Air

Other

Samples Collected
By:

Faiq Amir

Project, S.O. #:

1793331

Building Name:

CAMH (164)

Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-090725-1A	09-Jul-25	Room 4047	12"x12" Off. White with Grey streaks with mastic		X
164-090725-1B	09-Jul-25	Room 4062A	12"x12" Off. White with Grey streaks with mastic		X
164-090725-1C	09-Jul-25	Room 4081	12"x12" Off. White with Grey streaks with mastic		X
164-090725-2A	09-Jul-25	Room 4079	12"x12" Green with mastic		X
164-090725-2B	09-Jul-25	Room 4079	12"x12" Green with mastic		X
164-090725-2C	09-Jul-25	Room 4079	12"x12" Green with mastic		X
164-090725-3A	09-Jul-25	Room 4078	12"x12" Brown & Green (2 layers) with mastic		X
164-090725-3B	09-Jul-25	Room 4078	12"x12" Brown & Green (2 layers) with mastic		X
164-090725-3C	09-Jul-25	Room 4078	12"x12" Brown & Green (2 layers) with mastic		X

Relinquished By:

Faiq Amir

Print Name

09-Jul-25

Date

Received By:

Amy Bradford

Print Name

Signature

Signature

Date

Analyzed By:

R. Rhol

Print Name

Signature

Date

Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca
With CC to: ehs.office@utoronto.ca
irfan.miraj@utoronto.ca
doug.colby@utoronto.ca
faiq.amir@utoronto.ca

AS July 14/25 Per 850

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A122807

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Jul 23/25

Date Analyzed: Jul 23/25

Analyst: Chengming Li

Reviewed By: Jayoda Perera



Project No: 1793331

Number of Samples: 6

Date Reported: Jul 23/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-180725-1A	A122807-1	Hallway 4905 @ 4051/ Carpet backing with green adhesive/ levelling compound	4 Phases: a) White, plastic material b) Green, mastic c) Grey, cementitious material d) Brown, mastic	ND ND ND ND			100 100 100 100
164-180725-1B	A122807-2	Hallway 4905 @ 4052/ Carpet backing with green adhesive/ levelling compound	3 Phases: a) Green, mastic b) Grey, cementitious material c) Brown, mastic	ND ND ND			100 100 100
164-180725-1C	A122807-3	Hallway 4905 @ 4053/ Carpet backing with green adhesive/ levelling compound	3 Phases: a) Green, mastic b) Grey, cementitious material c) Brown, mastic	ND ND ND			100 100 100
164-180725-2A	A122807-4	Hallway 4906 @ 4078/ Carpet backing with black adhesive	2 Phases: a) Brown, fibrous material b) Black and yellow, mastic	ND ND		90	10 100
164-180725-2B	A122807-5	Hallway 4906 @ 4079A/ Carpet backing with black adhesive	2 Phases: a) Brown, fibrous material b) Black and yellow, mastic	ND ND		90	10 100
164-180725-2C	A122807-6	Hallway 4906 (North of 4090)/ Carpet backing with black adhesive	2 Phases: a) Brown, fibrous material b) Black and yellow, mastic	ND ND		90	10 100

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).

EMC Scientific Inc. 5800 Ambler Drive • Suite 100 • Mississauga • Ontario • L4W 4J4 • T. 905 629 9247 • F. 905 629 2607

EMC Scientific Inc. is Accredited by NVLAP (NVLAP Code 201020-0) for Bulk Asbestos Analysis




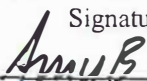

EMC LAB REPORT NUMBER: A122807

Client's Job/Project No.: 1793331

Analyst: Chengming Li

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%.

A122807

 UNIVERSITY OF TORONTO		REQUEST FOR ANALYSIS			
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607		Shipped Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx TEM Bulk Bulk Mould PCM Air Other	
Samples Collected By: Faiq Amir		Project, S.O. #: 1793331			
		Building Name: CAMH (164)			
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-180725-1A	18-Jul-25	Hallway 4905 @ 4051	Carpet backing with green adhesive/levelling compound		X
164-180725-1B	18-Jul-25	Hallway 4905 @ 4052	Carpet backing with green adhesive/levelling compound		X
164-180725-1C	18-Jul-25	Hallway 4905 @ 4053	Carpet backing with green adhesive/levelling compound		X
164-180725-2A	18-Jul-25	Hallway 4906 @ 4078	Carpet backing with black adhesive		X
164-180725-2B	18-Jul-25	Hallway 4906 @ 4079A	Carpet backing with black adhesive		X
164-180725-2C	18-Jul-25	Hallway 4906 (North of 4090)	Carpet backing with black adhesive		X
					
Relinquished By: Faiq Amir					18-Jul-25
Received By: Amy Bradford					July 22 '25
Analyzed By: C. Li					July 23/25
Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca					

AS July 23/25 845 purd

Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A126290

Project Name: CAMH(164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Oct 20/25

Date Analyzed: Oct 20/25

Analyst: Jayoda Perera

Reviewed By: Malgorzata Sybydlo

Project No: 1804884

Number of Samples: 3

Date Reported: Oct 20/25

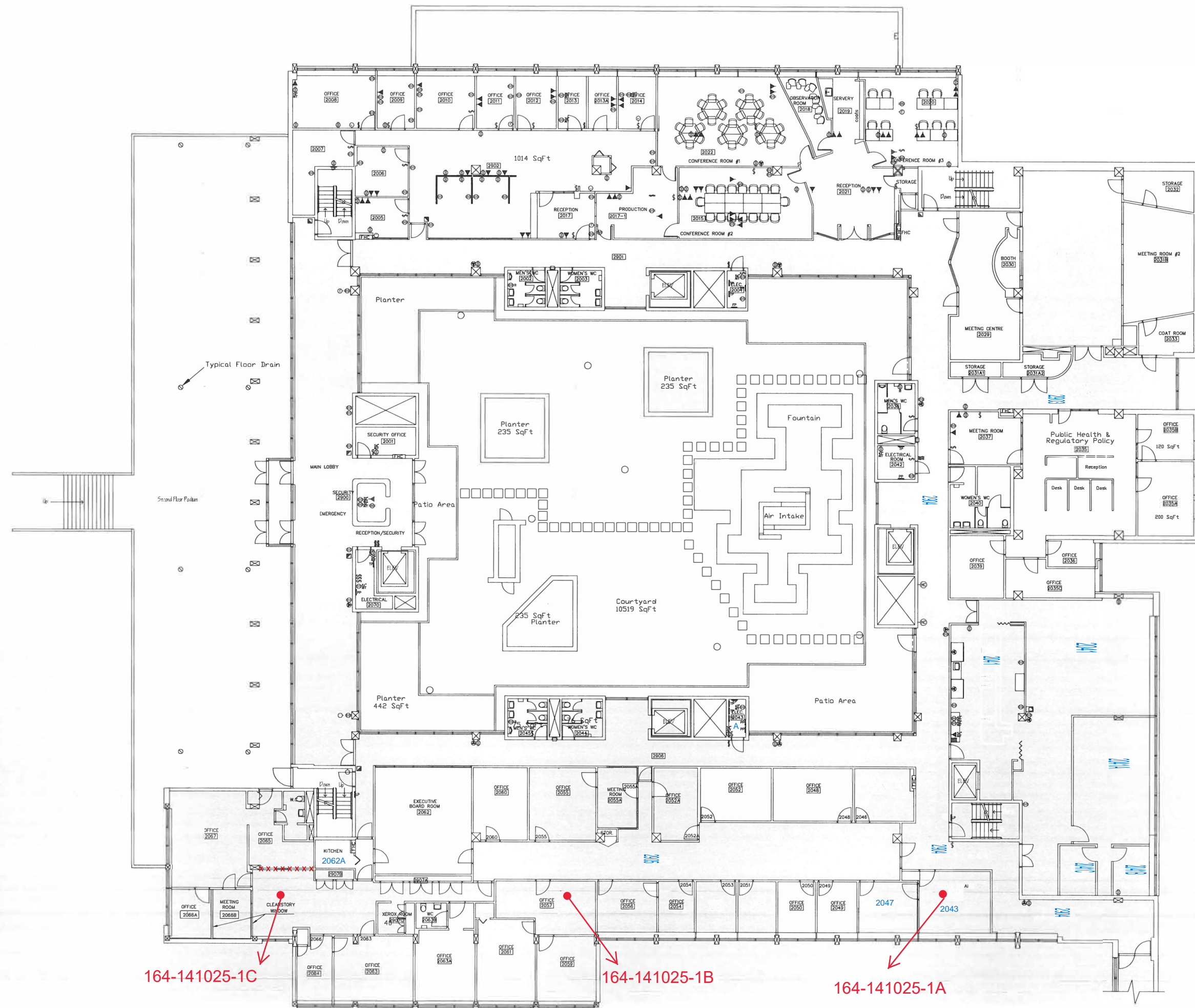
Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-141025-1A	A126290-1	Room 2043 / 12"x12" Off-white with grey streaks with mastic	4 Phases: a) Yellow, mastic b) Off white, vinyl floor tile c) Black, mastic d) Grey, cementitious material	ND Chrysotile ND ND	1		100 99 100 100
164-141025-1B	A126290-2	Room 2057/ 12"x12" Off-white with grey streaks with mastic	3 Phases: a) Yellow, mastic b) NA c) Black, mastic	ND NA ND			100 100
164-141025-1C	A126290-3	Room 2065/ 12"x12" Off-white with grey streaks with mastic	4 Phases: a) Yellow, mastic b) NA c) Black, mastic d) Grey, cementitious material	ND NA ND ND			100 100 100

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%.

REQUEST FOR ANALYSIS

Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca
With CC to: ehs.office@utoronto.ca
irfan.miraj@utoronto.ca
doug.colby@utoronto.ca
faiq.amir@utoronto.ca
a.greco@utoronto.ca



Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A127127

Project Name: CAMH (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Nov 10/25

Date Analyzed: Nov 10/25

Analyst: John Paul Cantillon

Reviewed By: Malgorzata Sybydo

Project No: 1793331

Number of Samples: 6

Date Reported: Nov 10/25

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-071125-1A	A127127-1	Room 2036/ Baseboard Adhesive	Brown, mastic	ND			100
164-071125-1B	A127127-2	Room 2062/ Baseboard Adhesive	2 Phases: a) Off white, mastic b) White, cementitious material	ND ND			100 100
164-071125-1C	A127127-3	Room 2064/ Baseboard Adhesive	2 Phases; a) Brown and off white, mastic b) White, cementitious material	ND ND			100 100
164-071125-2A	A127127-4	Room 4050/ Baseboard Adhesive	3 Phases; a) White, cementitious material b) Dark brown, mastic c) Light brown, mastic	ND ND ND			100 100 100
164-071125-2B	A127127-5 ⁵	Room 4070/ Baseboard Adhesive	2 Phases: a) Brown, mastic b) White, cementitious material	ND ND			100 100
164-071125-2C	A127127-6 ⁵	Room 4090/ Baseboard Adhesive	2 Phases: a) Brown, mastic b) White, cementitious material	ND ND			100 100

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. Phase b) is small in size.

A127127



UNIVERSITY OF
TORONTO

REQUEST FOR ANALYSIS

Ship To: EMC Scientific Inc.
Sample Reception
5800 Ambler Drive, Suite 100, Mississauga, ON
L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607

Shipped
Environmental Health & Safety, 7th Floor
215 Huron Street Toronto, Ontario M5S 1A1

PLM Bulk xx

TEM Bulk

Bulk Mould

PCM Air

Other

Samples Collected
By: Faiq Amir

Project, S.O. #: 1793331

Building Name: CAMH (164)

Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-071125-1A	07-Nov-25	Room 2036	Baseboard Adhesive		X
164-071125-1B	07-Nov-25	Room 2062	Baseboard Adhesive		X
164-071125-1C	07-Nov-25	Room 2064	Baseboard Adhesive		X
164-071125-2A	07-Nov-25	Room 4050	Baseboard Adhesive		X
164-071125-2B	07-Nov-25	Room 4070	Baseboard Adhesive		X
164-071125-2C	07-Nov-25	Room 4090	Baseboard Adhesive		X

Relinquished By: Faiq Amir

Print Name

Signature

07-Nov-25

Date

Received By: Irfan Miraj

Print Name

Signature

Nov 7 '25

Date

Analyzed By: John Paul Cantley

Print Name

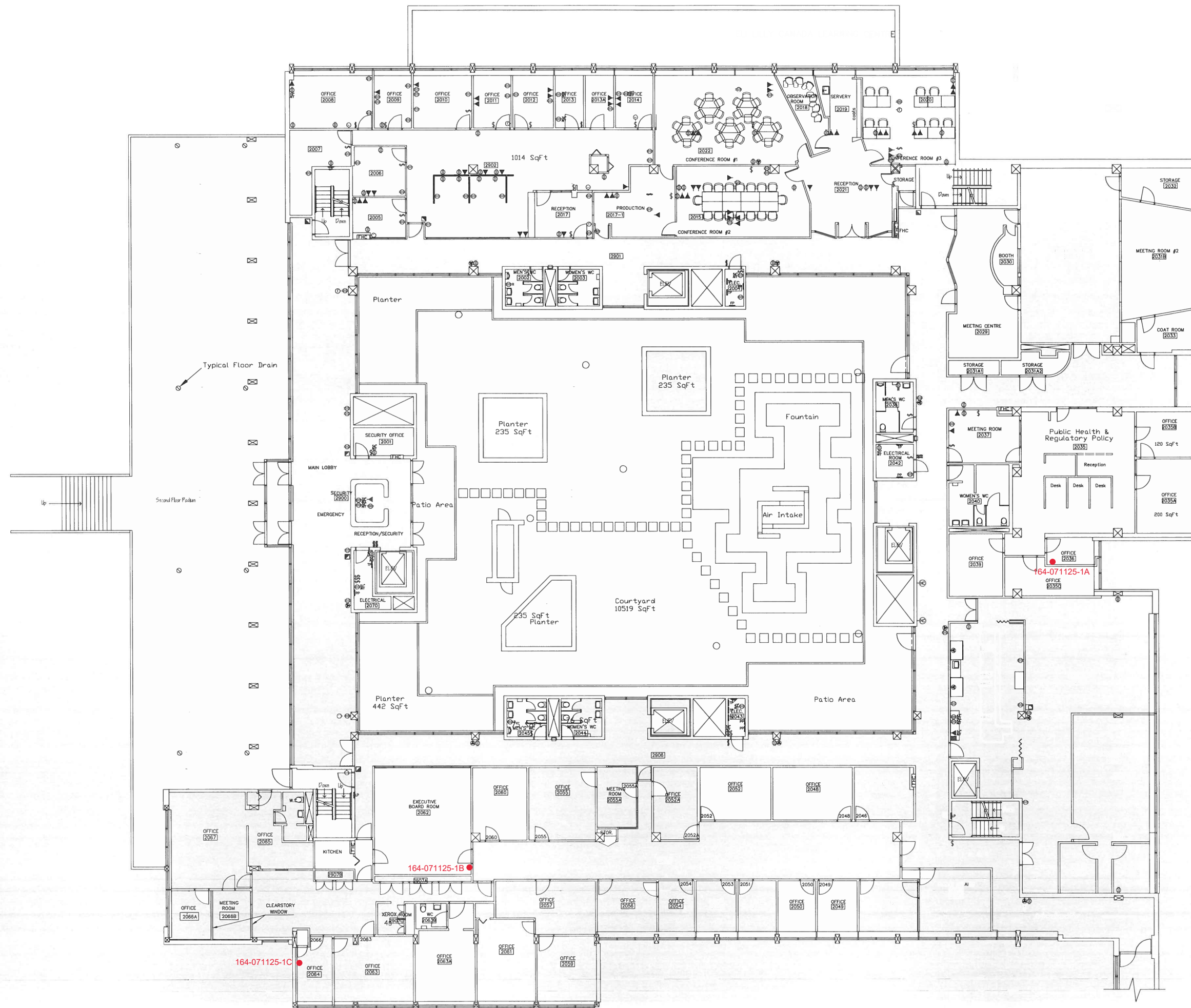
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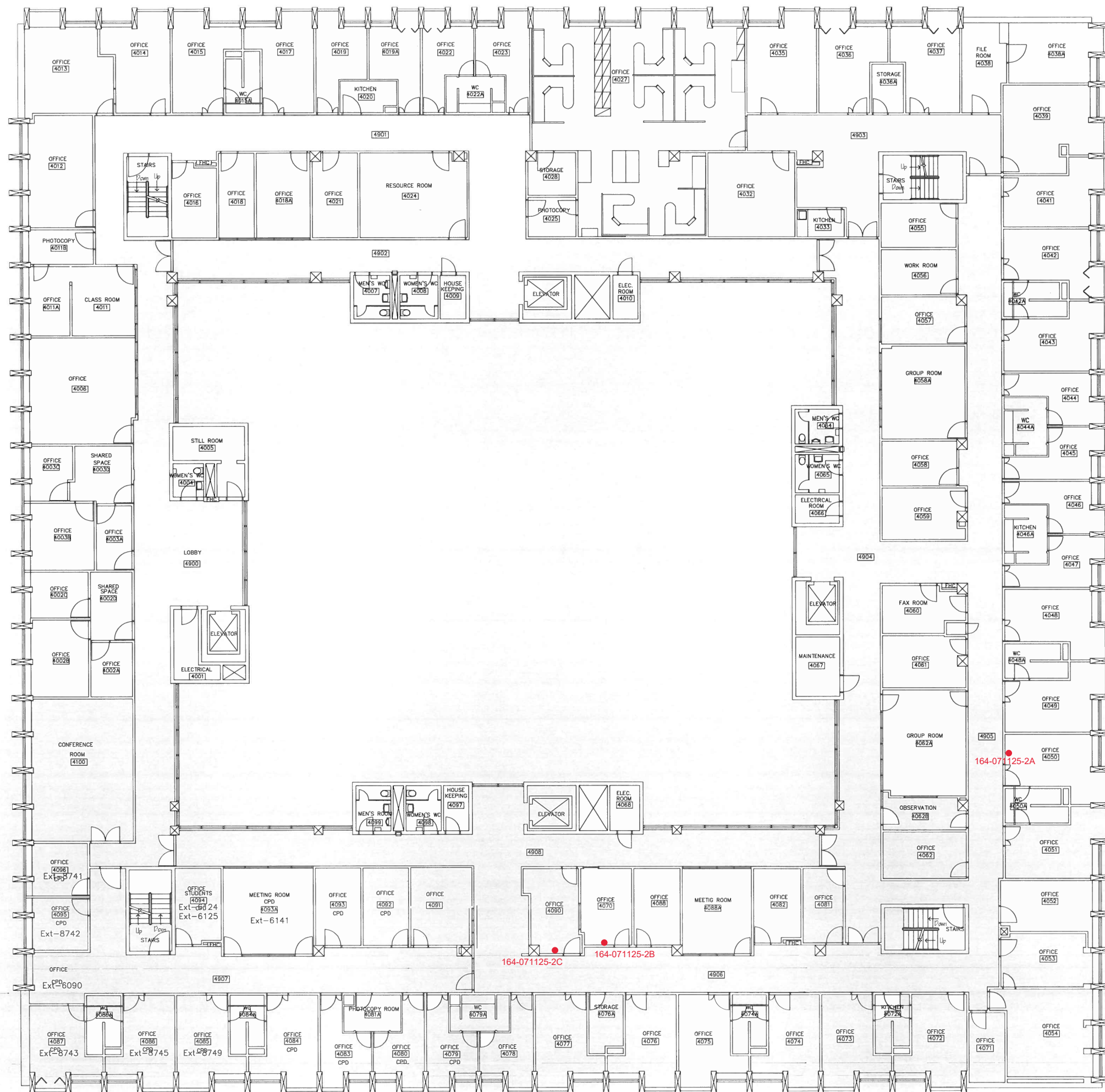
Nov 10 '25

Date

Puro CH Nov 10/25 9:00.

Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shek@utoronto.ca With CC to: ehs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca a.greco@utoronto.ca





Laboratory Analysis Report

To:

Faiq Amir
University of Toronto
Environmental Health & Safety
215 Huron Street, 7th Floor
Toronto, Ontario
M5S 1A1

EMC LAB REPORT NUMBER: A132150

Project Name: 33 Ursula St (164)

Analysis Method: Polarized Light Microscopy – EPA 600

Date Received: Mar 18/26

Date Analyzed: Mar 18/26

Analyst: Jayoda Perera

Reviewed By: Malgorzata Sybydo

Project No: 1244096

Number of Samples: 30

Date Reported: Mar 18/26

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-130326-1A	A132150-1	Room 2002 (washroom) / epoxy flooring	Off white, epoxy flooring material	ND			100
164-130326-1B	A132150-2	Room 2003 (washroom) / epoxy flooring	Off white, epoxy flooring material	ND			100
164-130326-1C	A132150-3	Room 2040 (washroom) / epoxy flooring	Off white, epoxy flooring material	ND			100
164-130326-2A	A132150-4	Room 2901/ wall covering adhesive	3 Phases: a) White, consolidated material b) Yellow, mastic c) White, cementitious material	ND ND ND		10	90 100 100
164-130326-2B	A132150-5	Room 2010/ wall covering adhesive	3 Phases: a) White, consolidated material b) Yellow, mastic c) White, cementitious material	ND ND ND		10	90 100 100
164-130326-2C	A132150-6	Room 2008/ wall covering adhesive	3 Phases: a) White, consolidated material b) Yellow, mastic c) White, cementitious material	ND ND ND		10	90 100 100
164-130326-3A	A132150-7	Room 3001/ 12x12 grey with dark grey/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-130326-3B	A132150-8	Room 3001/ 12x12 grey with dark grey/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100

EMC LAB REPORT NUMBER: A132150

Client's Job/Project No.: 1244096

Analyst: Jayoda Perera

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-130326-3C	A132150-9	Room 3001/ 12x12 grey with dark grey/ white pebbles with mastic	2 Phases: a) Grey, vinyl floor tile b) Yellow, mastic	ND ND			100 100
164-130326-4A	A132150-10	Room 3094/ 12x12 grey with white pebbles with mastic	3 Phases: a) Yellow, mastic b) Grey, vinyl floor tile c) Black, mastic	ND ND ND			100 100 100
164-130326-4B	A132150-11	Room 3094/ 12x12 grey with white pebbles with mastic	3 Phases: a) Yellow, mastic b) Grey, vinyl floor tile c) Black, mastic	ND ND ND			100 100 100
164-130326-4C	A132150-12	Room 3094/ 12x12 grey with white pebbles with mastic	3 Phases: a) Yellow, mastic b) Grey, vinyl floor tile c) Black, mastic	ND ND ND			100 100 100
164-130326-5A	A132150-13	Room 3071A/ 12x12 light blue with white streaks with mastic	3 Phases: a) Yellow, mastic b) Blue, vinyl floor tile c) Black, mastic	ND ND ND			100 100 100
164-130326-5B	A132150-14	Room 3071A/ 12x12 light blue with white streaks with mastic	3 Phases: a) Yellow, mastic b) Blue, vinyl floor tile c) Black, mastic	ND ND ND			100 100 100
164-130326-5C	A132150-15	Room 3071A/ 12x12 light blue with white streaks with mastic	3 Phases: a) Yellow, mastic b) Blue, vinyl floor tile	ND ND			100 100

EMC LAB REPORT NUMBER: A132150

Client's Job/Project No.: 1244096

Analyst: Jayoda Perera

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
			c) Black, mastic	ND			100
164-130326-6A	A132150-16	Hallway 3900/ 12x12 dark blue with grey pebbles with mastic	2 Phases: a) Blue, vinyl floor tile b) Black and brown, mastic	ND ND			100 100
164-130326-6B	A132150-17	Hallway 3900/ 12x12 dark blue with grey pebbles with mastic	2 Phases: a) Blue, vinyl floor tile b) Black and brown, mastic	ND ND			100 100
164-130326-6C	A132150-18	Hallway 3900/ 12x12 dark blue with grey pebbles with mastic	2 Phases: a) Blue, vinyl floor tile b) Black and brown, mastic	ND ND			100 100
164-130326-7A	A132150-19	Room 3002/ 12x12 off white with grey streaks with mastic	3 Phases: a) Yellow, mastic b) Off white, vinyl floor tile c) Black, mastic	ND Chrysotile ND	1		100 99 100
164-130326-7B	A132150-20	Room 3003/ 12x12 off white with grey streaks with mastic	3 Phases: a) Yellow, mastic b) NA c) Black, mastic	ND NA ND			100 100
164-130326-7C	A132150-21	Room 3005/ 12x12 off white with grey streaks with mastic	3 Phases: a) Yellow, mastic b) NA c) Black, mastic	ND NA ND			100 100
164-130326-8A	A132150-22	Room 3012 (washroom)/ epoxy flooring	Red and grey, epoxy flooring material	ND			100
164-130326-8B	A132150-23	Room 3012 (washroom)/ epoxy flooring	Red and grey, epoxy flooring material	ND			100

EMC LAB REPORT NUMBER: A132150






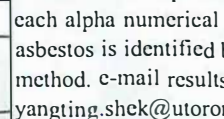
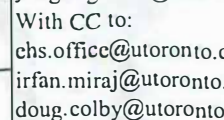




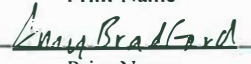
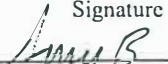
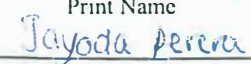
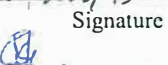
Client's Job/Project No.: 1244096

Analyst: Jayoda Perera


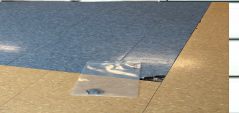




Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
164-130326-8C	A132150-24	Room 3012 (washroom)/ epoxy flooring	Red and grey, epoxy flooring material	ND			100
164-130326-9A	A132150-25	Room 3032/ epoxy flooring	Blue, epoxy flooring material	ND			100
164-130326-9B	A132150-26	Room 308 / epoxy flooring	2 Phases: a) Blue and black, epoxy flooring material	ND			100
			b) Yellow, mastic	ND			100
164-130326-9C	A132150-27	Room 309/ epoxy flooring	2 Phases: a) Blue and black, epoxy flooring material	ND			100
			b) Yellow, mastic	ND			100
164-130326-10A	A132150-28	Room 3001/ wall covering adhesive	White, consolidated material	ND		15	85
164-130326-10B	A132150-29	Room 3004/ wall covering adhesive	2 Phases: a) White, consolidated material	ND		15	85
			b) Yellow, mastic	ND			100
164-130326-10C	A132150-30	Hallway 3903/ wall covering adhesive	2 Phases: a) White, consolidated material	ND		15	85
			b) Yellow, mastic	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. Vinyl floor tiles may contain very fine asbestos fibres which the PLM method cannot detect. TEM analysis may be necessary to confirm the absence of asbestos.

UNIVERSITY OF TORONTO			REQUEST FOR ANALYSIS		
Ship To: LMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607		Shipped From: Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx	
Samples Collected By: Faiq Amir		Project, S.O. #:	1244096	TEM Bulk	
		Building Name:	33 Ursula St (164)	Bulk Mould	
				PCM Air	
				Other	
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-130326-1A	13-Mar-26	Room 2002 (Washroom)	Epoxy Flooring		X
164-130326-1B	13-Mar-26	Room 2003 (Washroom)	Epoxy Flooring		X
164-130326-1C	13-Mar-26	Room 2040 (Washroom)	Epoxy Flooring		X
164-130326-2A	13-Mar-26	Room 2901	Wall covering adhesive		X
164-130326-2B	13-Mar-26	Room 2010	Wall covering adhesive		X
164-130326-2C	13-Mar-26	Room 2008	Wall covering adhesive		X
164-130326-3A	13-Mar-26	Room 3001	12x12 Grey with dark grey/white pebbles with mastic		X
164-130326-3B	13-Mar-26	Room 3001	12x12 Grey with dark grey/white pebbles with mastic		X
164-130326-3C	13-Mar-26	Room 3001	12x12 Grey with dark grey/white pebbles with mastic		X
164-130326-4A	13-Mar-26	Room 3094	12x12 Grey with white pebbles with mastic		X
164-130326-4B	13-Mar-26	Room 3094	12x12 Grey with white pebbles with mastic		X
164-130326-4C	13-Mar-26	Room 3094	12x12 Grey with white pebbles with mastic		X
164-130326-5A	13-Mar-26	Room 3071A	12x12 Light blue with white streaks with mastic		X
164-130326-5B	13-Mar-26	Room 3071A	12x12 Light blue with white streaks with mastic		X
164-130326-5C	13-Mar-26	Room 3071A	12x12 Light blue with white streaks with mastic		X
Relinquished By: Faiq Amir				13-Mar-26	Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shck@utoronto.ca With CC to: chs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca a.greco@utoronto.ca
Received By: 				17 Mar 126	
Analyzed By: 				Mar 18 126	

Pro Cll Mar 18/26 9:00

 UNIVERSITY OF TORONTO			REQUEST FOR ANALYSIS		
Ship To: EMC Scientific Inc. Sample Reception 5800 Ambler Drive, Suite 100, Mississauga, ON L4W4J4 Ph: 905.629.9247 Fax: 905.629.2607		Shipped From: Environmental Health & Safety, 7th Floor 215 Huron Street Toronto, Ontario M5S 1A1		PLM Bulk xx TEM Bulk Bulk Mould PCM Air Other	
Samples Collected By: Faiq Amir		Project, S.O. #: 1244096 Building Name: 33 Ursula St (164)			
Sample Number	Date Sampled	Sample Location	Sample Description	Analysis Turnaround Time	
				Regular	24 Hours
164-130326-6A	13-Mar-26	Hallway 3900	12x12 Dark blue with grey pebbles with mastic		X
164-130326-6B	13-Mar-26	Hallway 3900	12x12 Dark blue with grey pebbles with mastic		X
164-130326-6C	13-Mar-26	Hallway 3900	12x12 Dark blue with grey pebbles with mastic		X
164-130326-7A	13-Mar-26	Room 3002	12"x12" Off-white with grey streaks with mastic		X
164-130326-7B	13-Mar-26	Room 3003	12"x12" Off-white with grey streaks with mastic		X
164-130326-7C	13-Mar-26	Room 3005	12"x12" Off-white with grey streaks with mastic		X
164-130326-8A	13-Mar-26	Room 3012 (Washroom)	Epoxy Flooring		X
164-130326-8B	13-Mar-26	Room 3012 (Washroom)	Epoxy Flooring		X
164-130326-8C	13-Mar-26	Room 3012 (Washroom)	Epoxy Flooring		X
164-130326-9A	13-Mar-26	Room 3032	Epoxy Flooring		X
164-130326-9B	13-Mar-26	Room 308	Epoxy Flooring		X
164-130326-9C	13-Mar-26	Room 309	Epoxy Flooring		X
164-130326-10A	13-Mar-26	Room 3001	Wall covering adhesive		X
164-130326-10B	13-Mar-26	Room 3004	Wall covering adhesive		X
164-130326-10C	13-Mar-26	Hallway 3903	Wall covering adhesive		X
Relinquished By: Faiq Amir _____ Print Name				_____ Signature 13-Mar-26 Date	
Received By: Amy Bradford _____ Print Name				_____ Signature 17-Mar-26 Date	
Analyzed By: Jayoda Perera _____ Print Name				_____ Signature Mar 18/26 Date	
Comments: Stop further analysis for each alpha numerical set once asbestos is identified by PLM method. e-mail results to: yangting.shenk@utoronto.ca With CC to: chs.office@utoronto.ca irfan.miraj@utoronto.ca doug.colby@utoronto.ca faiq.amir@utoronto.ca a.greco@utoronto.ca					

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