



ASBESTOS AND LEAD PAINT BUILDING MATERIALS SURVEY FOR: QUEEN'S COLLEGE MEMORIAL UNIVERSITY OF NEWFOUNDLAND



Prepared for: Memorial University of Newfoundland

St. John's, NL

Pinchin LeBlanc Environmental Ltd Project No. 02-02-00900

June 19, 2013

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ISO 9001:2008 Registered Quality System (Dartmouth, NS)

EXECUTIVE SUMMARY

Pinchin LeBlanc Environmental Limited (Pinchin) was retained by Memorial University of Newfoundland to perform asbestos and lead paint surveys in selected buildings on the Memorial University of Newfoundland's St. John's, NL campus. A total of twenty-seven (27) buildings were surveyed for asbestos containing materials (ACM) and lead based paints (LBP). This report will provide the findings for the following location:

BUILDING DESCRIPTION: QUEEN'S COLLEGE

BUILDING ADDRESS: MEMORIAL UNIVERSITY OF NL, ST. JOHN'S CAMPUS, NL

A summary of the findings for the Queens College Building (hereafter referred to as "Site Building") is provided. For specific recommendations regarding any hazardous materials listed the reader will refer to Sections 3 and 4 of this report:

- 1. Friable asbestos containing building materials were identified in the Site Building, specifically parging cement, cementious material on concrete and ceiling stucco.
- 2. Non-friable materials with the potential to become friable during renovation and demolition activities were identified inside the Site Building, specifically drywall joint compound.
- 3. Non-friable asbestos-containing building materials were identified in the Site Building, specifically transite, incandescent heat shields, tar mastic and vinyl floor tiles.
- 4. Paints containing greater than 600 mg/kg of lead were identified in the Site Building, specifically the blue paint as observed in the telephone room, the green paint as observed in Room 2005, the pale yellow paint as observed in Room 1018, the grey paint as observed in Room 1018A and the brown paint as observed in Room 3019.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

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1.0 INTRODUCTION

Pinchin LeBlanc Environmental Limited (Pinchin) was retained by Memorial University of Newfoundland to perform asbestos and lead paint surveys in selected buildings on the Memorial University of Newfoundland's St. John's, NL campus. A total of twenty-seven (27) buildings were surveyed for asbestos containing materials (ACM) and lead based paints (LBP). This report will provide the findings for the following location:

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The report presents a detailed investigation of condition, quantity, location, access, and type of ACM and LBP present in the building. The Overview Report, provided under separate cover, provides detailed information regarding the survey methodology, sampling procedure, evaluation criteria, suspect materials and regulatory information.

Provincial regulations and guidelines distinguish between friable¹ and non-friable² materials. The asbestos building materials survey performed by Pinchin included a search for both friable and common non-friable ACM.

For reporting purposes, the survey will be divided into sections. The report is presented in this manner to accommodate ease in reading and to allow access to report information for specific areas or materials within the building. The report also addresses specific systems and products likely present in the building. The sections of the report are as follows:

- 2.0 Survey Information
- 3.0 ACM Survey Findings
- 4.0 LBP Survey Findings
- 5.0 Recommendations

¹ The term friable is applied to a material that can be readily reduced to dust or powder by hand or moderate pressure. Friable ACM has a much greater potential to release airborne asbestos fibres when disturbed. The most common friable ACM used in the past are sprayed or trowelled materials (for fireproofing or thermal insulation), texture plaster (decorative or acoustic), and mechanical insulations.

² Common non-friable ACM include vinyl floor tiles, ceiling tiles, gasket materials, asbestos cement pipe or board (transite), and asbestos textiles. Although a product may be considered non-friable when new, if the product releases fine dust due to deterioration or during removal, the free dust is considered friable. For example, most lay-in or glued on acoustic ceiling tiles release significant dust during removal of large quantities of these tiles.

2.0 SURVEY INFORMATION

The survey was conducted on January 24th, 2013. The survey, collection of representative bulk samples, and recording of information was performed by Mr. Trent Hardy of Pinchin. All accessible areas of the building were inspected for the presence of asbestos containing materials (ACM) and lead based paints (LBP).

A total of forty-one (41) representative bulk samples were collected for analysis for asbestos content. Multiple phases within various samples were analyzed independently, as a result, a total of fifty-five (55) analyses were performed.

A total of eight (8) bulk samples were collected for analysis of lead content.

3.0 ACM SURVEY FINDINGS

The ACM found during this survey are detailed in the location & data excel document provided to the client. The excel document serves as the clients active asbestos management plan. Quantities of materials identified, locations and friable or non-friable are also present in this excel file. Laboratory certificates for asbestos samples collected are presented in Appendix I and lead samples are presented in Appendix II. Sample location drawings are provided in Appendix III. A photographic record of the samples collected during the survey of the building is presented in Appendix IV. The following is summary of the findings for this building.

3.1 Sprayed or Trowelled Fireproofing and Thermal Insulation

No spray or trowelled fireproofing and thermal insulation were observed in this building.

3.2 Mechanical Insulation

Insulating cement, also referred to as "parging cement", present on pipe elbows and fittings in the site building and contains 30% chrysotile asbestos (reference sample 02-02-900-S017). For locations and conditions of this material at the time of the building survey refer to location & data excel document.

One (1) sample was collected of straight pipe insulation wrap in the site building. Analysis of the sample did not identify the presence of asbestos (reference samples 02-02-900-S016).

3.3 Acoustic Ceiling Tiles

Three (3) samples were collected of acoustic ceiling tiles observed in the site building.

• The 2"x4" acoustic ceiling tile distinguished with a pinhole and fleck pattern and the 2"x4" acoustic ceiling tile distinguished with a small fissure and hole pattern were sampled in

location # 001 – Room 2001 (reference samples 02-02-900-S001 and 02-02-900-S002, respectively). Analysis of theses sample did not identify the presence of asbestos.

• The 2"x2" acoustic ceiling tile distinguished with a pinhole and fleck pattern was sampled in location # 043 – Fourth Floor Hallway (reference sample 02-02-900-S020). Analysis of this sample did not identify the presence of asbestos.

3.4 Drywall, Plaster, and Texture Finishes

Drywall was used as a wall and ceiling finish throughout the building. Until the early to mid-1980s, drywall joint compound may have contained chrysotile asbestos. Drywall joint compound is considered a non-friable material. Most buildings of this type undergo constant renovation, including the removal and replacement of drywall partitions. Therefore extensive sampling of drywall compound is necessary to come to a reasonable conclusion regarding the extent of asbestos. Furthermore, any attempt to distinguish and delineate all asbestos-containing drywall compounds from new non-asbestos drywall compound is often unachievable. Therefore, drywall joint compound was sampled at walls, which were believed to be original to try to define the presence of asbestos content in the original drywall compound.

Nine (9) samples, in total, of drywall joint compound were sampled in the site building. Results from six (6) of the nine (9) samples indicates the presence of 3-4 % chrysotile asbestos (reference samples 02-02-900-S012, 02-02-900-S015, 02-02-900-S019, 02-02-900-S024, 02-02-900-S033, 02-02-900-S034 and 02-02-900-S038). For locations and conditions of this material at the time of the building survey refer to location & data excel document. Due to the inconsistency in the analytical results, all drywall joint compounds are to be managed as asbestos containing.

Plaster was used as a wall and ceiling finish in various locations in the Site Building. Until the early to mid-1980s, plaster may have contained chrysotile asbestos. Plaster is considered a potentially friable material. Most buildings of this type undergo constant renovation, including the removal and replacement of plaster. Moreover, the addition of asbestos to plaster compound was done at the site by the individual plasterer on an as needs basis. Therefore extensive sampling of plaster is necessary to come to a reasonable conclusion regarding the extent of asbestos. Furthermore, any attempt to distinguish and delineate all asbestos-containing plaster from new non-asbestos plaster is often unachievable. Therefore, plaster was sampled at walls which were believed to be original to try to define the presence of asbestos content in the original plaster.

Six (6) samples of plaster were sampled throughout the site building. Analysis of the samples did not identify the presence of asbestos (reference samples 02-02-900-S006, S011, S022, S025, S031, and S032).

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Friable textured ceiling stucco were sampled from Room 2001, the first to fourth floor stairwell and Room 4001A, and contain 4% chrysotile asbestos (reference samples 02-02-900-S003, 02-02-900-S007 and 02-02-900-S035). For locations and conditions of this material at the time of the building survey refer to location & data excel document.

3.5 Vinyl Flooring Materials

<u>3.5.1</u> Vinyl Floor Tiles

Ten (10) types of vinyl floor tiles were observed in the site building. Results from four (4) of the ten (10) samples analyzed identified the presence of asbestos. A list of the visually different vinyl floor tiles is provided below. For locations and conditions of this material at the time of the building survey refer to location & data excel document.

3.5.1.1 Asbestos Containing Vinyl Floor Tiles

- One (1) sample of the 12"x12" vinyl floor tile identified as brown with thick grey and white streaks was sampled from Room 2013 and contains 3-4% chrysotile asbestos (reference samples 02-02-900-S013).
- One (1) sample of the 9"x9" vinyl floor tile identified as black was sampled from the janitor's closet (Room 1018) and contains 3-4% chrysotile asbestos (reference samples 02-02-900-S018).
- One (1) sample of the 9"x9" vinyl floor tile identified as brown with thick grey and white streaks was sampled from Room 1007 and contains 5% Chrysotile asbestos (reference samples 02-02-900-S026-A and 02-02-900-S026-B).
- One (1) sample of the 12"x12" vinyl floor tile identified as blue with abundant white flecks was sampled from Room 1014 and the mastic contains 3% Chrysotile asbestos (reference sample 02-02-900-S027-B). Analysis of the tile portion of this sample did not identify the presence of asbestos.

3.5.1.2 Non-Asbestos Containing Vinyl Floor Tiles

- One (1) sample of the 12"x12" vinyl floor tile identified as white with small black streaks was sampled from Room 2002. Analysis of the sample did not identify the presence of asbestos in the tile (reference sample 02-02-900-S004).
- One (1) sample of the 9"x9" vinyl floor tile identified as brown with small black streaks was sampled from the first to fourth floor stairwell. Analysis of the sample did not identify the presence of asbestos (reference samples 02-02-900-S009-A and 02-02-0900-S009-B).

- One (1) sample of the 12"x12" vinyl floor tile identified as white with red streaks was sampled from Room 2013. Analysis of the sample did not identify the presence of asbestos (reference samples 02-02-900-S014-A and 02-02-0900-S014-B).
- One (1) sample of the 12"x12" vinyl floor tile identified as white with abundant grey flecks was sampled from Room 1004A. Analysis of the sample did not identify the presence of asbestos (reference samples 02-02-900-S021).
- One (1) sample of the 12"x12" vinyl floor tile identified as grey with abundant grey flecks was sampled from Room 3013 and analysis did not identify the presence of asbestos (reference sample 02-02-900-S039). Analysis of the mastic/glue portion of this sample did not identify the presence of asbestos.
- One (1) sample of the 12"x12" vinyl floor tile identified as blue-grey with abundant grey flecks was sampled from Room 3013 and analysis did not identify the presence of asbestos (reference sample 02-02-900-S041). Analysis of the mastic/glue portion of this sample did not identify the presence of asbestos.

<u>3.5.2</u> Vinyl Sheet Flooring

Four (4) types of vinyl sheet flooring were observed in the site building. Analysis of these samples did not identify the presence of asbestos. A summary of the visually different non-asbestos containing vinyl sheet flooring is provided it the table below:

3.5.2.1	Non-Asbestos	Containing	Vinvl Sheet	Flooring
0.0.2.1	11011 1100 00100	containing	1 11191 211000	1 1001 1115

Non-Asbestos Containing Vinyl Sheet Flooring Queen's College Building						
Sample NumberLocationDescription						
02-02-900-S010	Room 2005	Beige (vinyl and mastic)				
02-02-900-S036	Room 4024	White with Blue Specks (vinyl and mastic)				
02-02-900-S037	Room 4016	Brown Stone Pattern (vinyl and mastic)				
02-02-900-S040 Room 3018 Light grey with grey streaks						

For additional locations of these materials at the time of the building survey refer to location & data excel document.

3.6 Asbestos Cement Products

One (1) sample of transite sheeting was sampled from Room 1021A and contains 15% chrysotile asbestos (reference sample 02-02-900-S023). For locations and conditions of this material at the time of the building survey refer to location & data excel document.

3.7 Vermiculite Insulation

No vermiculite containing products were observed. Visual observations were made above the ceiling and through any hatches.

3.8 Other Asbestos Containing Building Materials

One (1) sample of the tar mastic used on foam structural insulation was sampled from room 1014 and contains 10% chrysotile asbestos (reference sample 02-02-900-S028). For locations and conditions of this material at the time of the building survey refer to location & data excel document.

One (1) sample of cementious material on concrete was sampled from the fourth floor hallway. Analysis of the sample identified the presence of asbestos 5% chrysotile asbestos (reference sample 02-02-900-S029).

4.0 LBP SURVEY FINDINGS

Analytical results indicate that five (5) of the samples collected of painted surfaces would be considered a risk to worker exposure during construction or renovation activities (with lead concentrations exceeding 0.06%). The blue paint as observed in the telephone room (reference sample 02-02-900-L002) contains 0.15%, the green paint as observed in Room 2005 (reference sample 02-02-900-L003) contains 0.10%, the pale yellow paint as observed in Room 1018 (reference sample 02-02-900-L005) contains 0.11%, the grey paint as observed in Room 1018A (reference sample 02-02-900-L006) contains 0.15%, and the brown paint as observed in Room 3019 (reference sample 02-02-900-L007) contains 0.087% and the same paint colours located elsewhere, should be managed as lead-containing.

Results indicate that were detected, all other paint samples containing less than 0.06% lead.

All paints observed inside the Site Building were observed in GOOD condition.

5.0 **RECOMMENDATIONS**

Asbestos containing materials have been identified in the Site Building. Listed below are a series of general recommendations for the Site Building. Recommendations provided in the Overview Report may also be reviewed and applied to this building.

Friable ACMs

Friable asbestos containing materials identified inside the Site Building include: parging cement, cementious material on concrete, and ceiling stucco.

- Type III (high risk) asbestos abatement procedures should be carried out for the scheduled removal of greater than 1 ft² of friable asbestos containing materials. Alternatively, Type II (moderate risk) glove bag abatement procedures may be applied where practical.
- 2. Type II (moderate risk) asbestos abatement procedures should be carried out for the scheduled repair or enclosure of friable ACMs or for the removal of less than 1 ft^2 of material.

Potentially Friable Materials

Non-friable materials with the potential to become friable during renovation and demolition activities were identified inside the Site Building, specifically drywall joint compound.

1. Under the NL guidance documents for moderate and low risk asbestos abatement procedures, quantities of these materials within an enclosure exceeding 100 ft^2 should be

removed using Type III (high risk) asbestos abatement procedures. Quantities less than 100 ft^2 but exceeding 10 ft^2 should be removed using Type II (moderate risk) asbestos abatement procedures, while quantities less than 10 ft^2 should be removed using Type I (low risk) asbestos abatement procedures.

Non-Friable Materials

Non-friable asbestos containing materials identified inside the Site Building include: transite, incandescent heat shields, tar mastic, and vinyl floor tiles.

- 1. Type I (low risk) asbestos abatement procedures should be carried out for the scheduled disturbance of any non-friable materials provided the materials can be removed intact, and without the use of powered hand tools.
- 2. Should the use of powered hand tools or excessive breakage of the materials become necessary, Type II (moderate risk) asbestos abatement procedures should be adopted.

Lead Based Paints

Do not grind, sand, torch or cut lead materials without using proper procedures, as material poses a health hazard if disturbed by these methods.

Any painted surfaces visually matching the identified paint colors should be managed as lead containing and necessary precautions (i.e.: worker protection) should be employed prior to the disturbance to these materials.

Should there be any questions pertaining to the contents of this report, please do not hesitate to contact the undersigned at our office.

PINCHIN LEBLANC ENVIRONMENTAL LIMITED

Prepared by;

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APPENDIX I

ASBESTOS ANALYTICAL REPORT



By Polarized Light Microscopy EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin LeBlanc Environmental 27 Austin St 2nd Flr St Johns, NL A1B 4C3 Attn: Paul Staeben Dawn Benteau

Lab Order ID:	1301314
Analysis ID:	1301314PLM
Date Received:	1/29/2013
Date Reported:	1/30/2013

Project: 02-02-00900 Queens College

Sample ID	Description	Asbestos	Fibrous	Non-Fibrous	Attributes
Lab Sample ID	Lab Notes	ASUESIUS	Components	Components	Treatment
02-02-900- S001	2"x4" ACT, pinhole and fleck	None Detected	50% Cellulose 30% Fiber Glass	10%Perlite10%Other	Gray, White Fibrous Heterogeneous
1301314PLM_1					Crushed
02-02-900- S002	2"x4" ACT, small fissure and hole	None Detected	40%Cellulose40%Fiber Glass	10%Perlite10%Other	Gray, White Fibrous Heterogeneous
1301314PLM_2					Crushed
02-02-900- S003	ceiling stucco	4% Chrysotile		96% Other	Tan Non Fibrous Heterogeneous
1301314PLM_3	-				Crushed
02-02-900- S004	12"12" VFT, white with small black streaks	None Detected		100% Other	White Non Fibrous Heterogeneous
1301314PLM_4	tile only				Dissolved
02-02-900- \$005	DWJC	None Detected		100% Other	White Non Fibrous Homogeneous
1301314PLM_5	-				Crushed
02-02-900- S006	plaster	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1301314PLM_6	single layer plaster				Crushed
02-02-900- S007	ceiling stucco	4% Chrysotile		96% Other	White Non Fibrous Heterogeneous
1301314PLM_7	-				Crushed
02-02-900- S008	incandescent heat sheild	70% Chrysotile		30% Other	White Fibrous Heterogeneous
1301314PLM_8	1				Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommended that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the <u>US</u> government. Estimated MPL is 0.1%.

Dorlos Ammerman (55)

Analyst

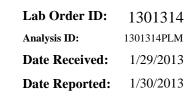
Nathaniel Durham, MS or Approved Signatory



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Project: 02-02-00900 Queens College

Sample ID	Description	Asbestos	Fibrous	Non-Fibrous	Attributes
Lab Sample ID	Lab Notes	ASDESIUS	Components	Components	Treatment
02-02-900- S009 - A	9"x9" VFT, brown with small black streaks	5% Chrysotile		95% Other	Brown Non Fibrous Heterogeneous
1301314PLM_9	tile				Dissolved
02-02-900- S009 - B	9"x9" VFT, brown with small black streaks	None Detected	2% Cellulose	98% Other	Black Non Fibrous Heterogeneous
1301314PLM_39	- mastic				Dissolved
02-02-900- S010 - A	VSF, beige	None Detected		100% Other	Beige Non Fibrous Homogeneous
1301314PLM_10	vinyl				Dissolved
02-02-900- S010 - B	VSF, beige	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1301314PLM_40	mastic				Dissolved
02-02-900- S011 - A	plaster	None Detected		100% Other	White Non Fibrous Heterogeneous
1301314PLM_11	finish				Crushed
02-02-900- S011 - B	plaster	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1301314PLM_41	base				Crushed
02-02-900- S012	DWJC	3% Chrysotile		97% Other	Tan Non Fibrous Homogeneous
1301314PLM_12					Crushed
02-02-900- S013 - A	12"x12" VFT, Brown with thick grey and white streaks	4% Chrysotile		96% Other	Brown Non Fibrous Heterogeneous
1301314PLM_13	tile]			Dissolved

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Sample ID	Description	Asbestos	Fibrous	Non-Fibrous	Attributes
Lab Sample ID	Lab Notes	ASDESIUS	Components	Components	Treatment
02-02-900- S013 - B	12"x12" VFT, Brown with thick grey and white streaks	3% Chrysotile	3% Cellulose	94% Other	Black Non Fibrous Heterogeneous
1301314PLM_42	mastic				Dissolved
02-02-900- S014 - A	12"x12" VFT, White with red streaks	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1301314PLM_14	tile				Dissolved
02-02-900- S014 - B	12"x12" VFT, White with red streaks	None Detected	2% Cellulose	98% Other	Yellow Non Fibrous Heterogeneous
1301314PLM_43	mastic				Dissolved
02-02-900- S015	DWJC	3% Chrysotile		97% Other	Tan Non Fibrous Homogeneous
1301314PLM_15	-				Crushed
02-02-900- S016 - A	Straight pipe insulation	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301314PLM_16	wrap				Dissolved
02-02-900- S016 - B	Straight pipe insulation	None Detected	95% Cellulose	5% Other	Tan Fibrous Heterogeneous
1301314PLM_44	tan layer				Teased
02-02-900- S016 - C	Straight pipe insulation	None Detected	80% Cellulose	20% Other	Black Fibrous Heterogeneous
1301314PLM_45	black layer				Dissolved
02-02-900- S017	parging cement	30% Chrysotile	20% Cellulose	50% Other	Gray Fibrous Heterogeneous
1301314PLM_17					Teased

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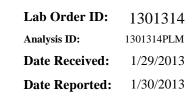
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Project: 02-02-00900 Queens College

Sample ID	Description	Asbestos	Fibrous	Non-Fibrous	Attributes
Lab Sample ID	Lab Notes	ASDESIUS	Components	Components	Treatment
02-02-900- S018 - A	9"x9" VFT, black	4% Chrysotile		96% Other	Black Non Fibrous Heterogeneous
1301314PLM_18	tile tile				Dissolved
02-02-900- S018 - B	9"x9" VFT, black	3% Chrysotile		97% Other	Black Non Fibrous Heterogeneous
1301314PLM_46	mastic				Dissolved
02-02-900- S019	DWJC	3% Chrysotile		97% Other	Tan Non Fibrous Homogeneous
1301314PLM_19	-				Crushed
02-02-900- S020	2"x2" ACT, pinhole and fleck	None Detected	50%Cellulose30%Fiber Glass	10%Perlite10%Other	Gray, White Fibrous Heterogeneous
1301314PLM_20	-				Crushed
02-02-900- S021 - A	12"x12" VFT, white with abundant grey flecks	None Detected		100% Other	White Non Fibrous Heterogeneous
1301314PLM_21	tile tile				Dissolved
02-02-900- S021 - B	12"x12" VFT, white with abundant grey flecks	None Detected	3% Cellulose	97% Other	Black Non Fibrous Heterogeneous
1301314PLM_47	mastic				Dissolved
02-02-900- S022 - A	plaster	None Detected		100% Other	White Non Fibrous Homogeneous
1301314PLM_22	texture				Crushed
02-02-900- S022 - B	plaster	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1301314PLM_48	base				Crushed

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Lab Order ID:	1301314
Analysis ID:	1301314PLM
Date Received:	1/29/2013
Date Reported:	1/30/2013

Project: 02-02-00900 Queens College

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes		Components	Components	Treatment
02-02-900- S023	Cement Board	15% Chrysotile		85% Other	Gray Fibrous Heterogeneous
1301314PLM_23					Crushed
02-02-900- S024	DWJC	3% Chrysotile		97% Other	White Non Fibrous Homogeneous
1301314PLM_24					Crushed
02-02-900- S025 - A	plaster	None Detected		100% Other	White Non Fibrous Heterogeneous
1301314PLM_25	finish				Crushed
02-02-900- S025 - B	plaster	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1301314PLM_49	base				Crushed
02-02-900- S026 - A	9"x9" VFT, brown with thick grey and white streaks	5% Chrysotile		95% Other	Brown Non Fibrous Heterogeneous
1301314PLM_26	tile tile				Dissolved
02-02-900- S026 - B	9"x9" VFT, brown with thick grey and white streaks	5% Chrysotile		95% Other	Black Non Fibrous Heterogeneous
1301314PLM_50	mastic				Dissolved
02-02-900- S027 - A	12"x12" VFT, Blue with abunant white fleck	None Detected		100% Other	Blue Non Fibrous Heterogeneous
1301314PLM_27	tile				Dissolved
02-02-900- S027 - B	12"x12" VFT, Blue with abunant white fleck	3% Chrysotile		97% Other	Black Non Fibrous Heterogeneous
1301314PLM_51	mastic				Dissolved

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Dorlos Ammerman (55)

Analyst

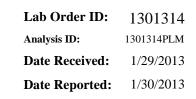
Nathaniel Durham, MS or Approved Signatory



By Polarized Light Microscopy EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin LeBlanc Environmental 27 Austin St 2nd Flr St Johns, NL A1B 4C3 Attn: Paul Staeben Dawn Benteau



Project: 02-02-00900 Queens College

Sample ID	Description	Asbestos	Fibrous	Non-Fibrous	Attributes
Lab Sample ID	Lab Notes		Components	Components	Treatment
02-02-900- S028	Tar mastic	10% Chrysotile		90% Other	Black Non Fibrous Heterogeneous
1301314PLM_28	_				Dissolved
02-02-900- S029	suspect cementious material	5% Chrysotile		95% Other	White Non Fibrous Heterogeneous
1301314PLM_29	-				Crushed
02-02-900- S030	DWJC	None Detected		100% Other	White Non Fibrous Homogeneous
1301314PLM_30					Crushed
02-02-900- S031 - A	plaster	None Detected		100% Other	White Non Fibrous Homogeneous
1301314PLM_31	texture				Crushed
02-02-900- S031 - B	plaster	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1301314PLM_52	base				Crushed
02-02-900- S032 - A	plaster	None Detected		100% Other	White Non Fibrous Heterogeneous
1301314PLM_32	finish				Crushed
02-02-900- S032 - B	plaster	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1301314PLM_53	base				Crushed
02-02-900- \$033	DWJC	3% Chrysotile		97% Other	Tan Non Fibrous Homogeneous
1301314PLM_33	-				Crushed

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Dorlos Ammerman (55)

Analyst

Nathaniel Durham, MS or Approved Signatory



By Polarized Light Microscopy EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin LeBlanc Environmental 27 Austin St 2nd Flr St Johns, NL A1B 4C3 Attn: Paul Staeben Dawn Benteau

Lab Order ID:	1301314
Analysis ID:	1301314PLM
Date Received:	1/29/2013
Date Reported:	1/30/2013

Project: 02-02-00900 Queens College

Sample ID Description		Asbestos	Fibrous	Non-Fibrous	Attributes
Lab Sample ID	Lab Notes	ASDESIUS	Components	Components	Treatment
02-02-900- S034	DWJC	3% Chrysotile		97% Other	Tan Non Fibrous Homogeneous
1301314PLM_34	-				Crushed
02-02-900- S035	Stucco above ceiling tiles	4% Chrysotile		96% Other	White Non Fibrous Heterogeneous
1301314PLM_35	-				Crushed
02-02-900- S036 - A	VSF, White with blue specks	None Detected		100% Other	White Non Fibrous Homogeneous
1301314PLM_36	– vinyl				Ashed
02-02-900- S036 - B	VSF, White with blue specks	None Detected		100% Other	White Non Fibrous Homogeneous
1301314PLM_54	mastic				Dissolved
02-02-900- S037 - A	VSF, brown stone pattern	None Detected	15% Cellulose	85% Other	Brown Fibrous Heterogeneous
1301314PLM_37	vinyl				Dissolved
02-02-900- S037 - B	VSF, brownstone pattern	None Detected		100% Other	Brown Non Fibrous Homogeneous
1301314PLM_55	mastic				Dissolved
02-02-900- S038	DWJC, used to level plaster above ceiling	4% Chrysotile		96% Other	White Non Fibrous Heterogeneous
1301314PLM_38	1				Crushed

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Dorlos Ammerman (55)

Analyst

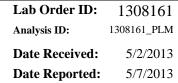
Nathaniel Durham, MS or Approved Signatory



By Polarized Light Microscopy EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin LeBlanc Environmental 27 Austin St 2nd Flr St Johns NL A1B 4C3 Attn: Dawn Benteau Paul Staeben



Project: 02-02-00900; Queens College

Sample ID	Description	Asbestos	Fibrous	Non-Fibrous	Attributes
Lab Sample ID	Lab Notes	1100 00000	Components	Components	Treatment
02-02-900- S039 - A	12x12 Vinyl Floor Tiles - Grey With Abundant Grey Flecks	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1308161PLM_1	tile				Dissolved
02-02-900- S039 - B	12x12 Vinyl Floor Tiles - Grey With Abundant Grey Flecks	None Detected	3% Cellulose	97% Other	Black Non Fibrous Heterogeneous
1308161PLM_4	mastic				Dissolved
02-02-900- S040	Vinyl Sheet Flooring - Light Grey with Grey Streaks	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1308161PLM_2	tile only				Dissolved
02-02-900- S041 - A	12x12 Vinyl Floor Tiles - Blue -Grey With Abundant Grey Flecks	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1308161PLM_3	tile				Dissolved
02-02-900- S041 - B	12x12 Vinyl Floor Tiles - Blue -Grey With Abundant Grey Flecks	None Detected	5% Cellulose	95% Other	Black Non Fibrous Heterogeneous
1308161PLM_5	mastic				Dissolved

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Analyst

Approved Signatory

APPENDIX II

LEAD PAINT ANALYTICAL REPORT



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy EPA SW-846 3rd Ed. Method No. 3050B/Method No. 7420



Customer:	Pinchin LeBlanc Environmental	Attn:	Dawn Benteau	Lab Order ID:	1301310
	27 Austin St 2nd Flr St Johns NL A1B 4C3		Paul Staeben	Analysis ID: Date Received:	1301310_PBP 1/29/2013
Project: 02	2-02-00900			Date Reported:	1/31/2013

oject: 02-02-00900

Sample ID	Description	Mass	Analytical Sensitivity	Concentration
Lab Sample ID	Lab Notes	(g)	(% by weight)	(% by weight)
02-02-900-L001	Cream	0.0573	0.002%	< 0.007%
1301310PBP_1				
02-02-900-L002	Blue	0.0483	0.003%	0.15%
1301310PBP_2		0.0485	0.003%	0.15%
02-02-900-L003	Green	0.0597	0.0029/	0 100/
1301310PBP_3		0.0587	0.002%	0.10%
02-02-900-L004	White	0.0651	0.002%	0.032%
1301310PBP_4		0.0051	0.00270	0.03270
02-02-900-L005	Pale yellow	0.0565	0.002%	0.11%
1301310PBP_5		0.0505	0.00270	0.1170
02-02-900-L006	Grey	0.0394	0.003%	0.15%
1301310PBP_6		0.0394	0.00370	0.1370
02-02-900-L007	Brown	0.0575	0.002%	0.087%
1301310PBP_7		0.0375	0.00270	0.007 /0
02-02-900-L008	Grey	0.0654	0.002%	< 0.006%
1301310PBP_8		0.0004	0.00270	· 0.000 /0

The quality control samples run with the samples in this report have passed all AIHA required specifications unless otherwise noted. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by AIHA or any other agency of the U.S. government.

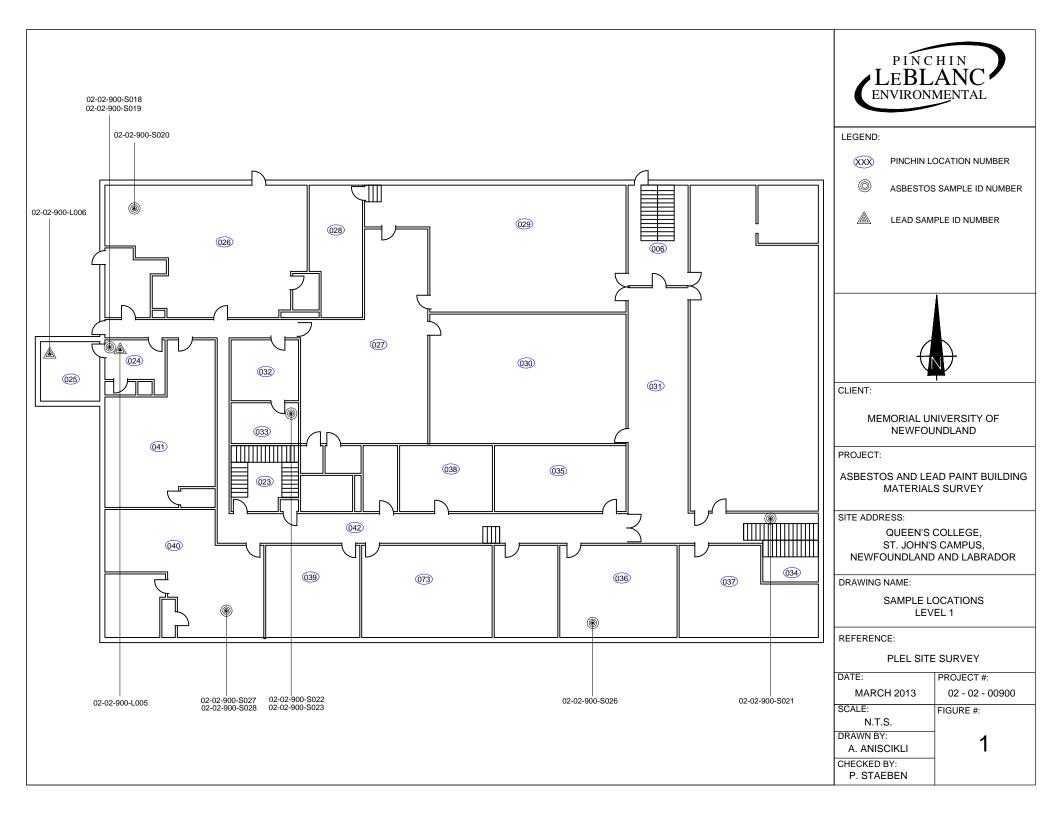
Robert Duke (8)

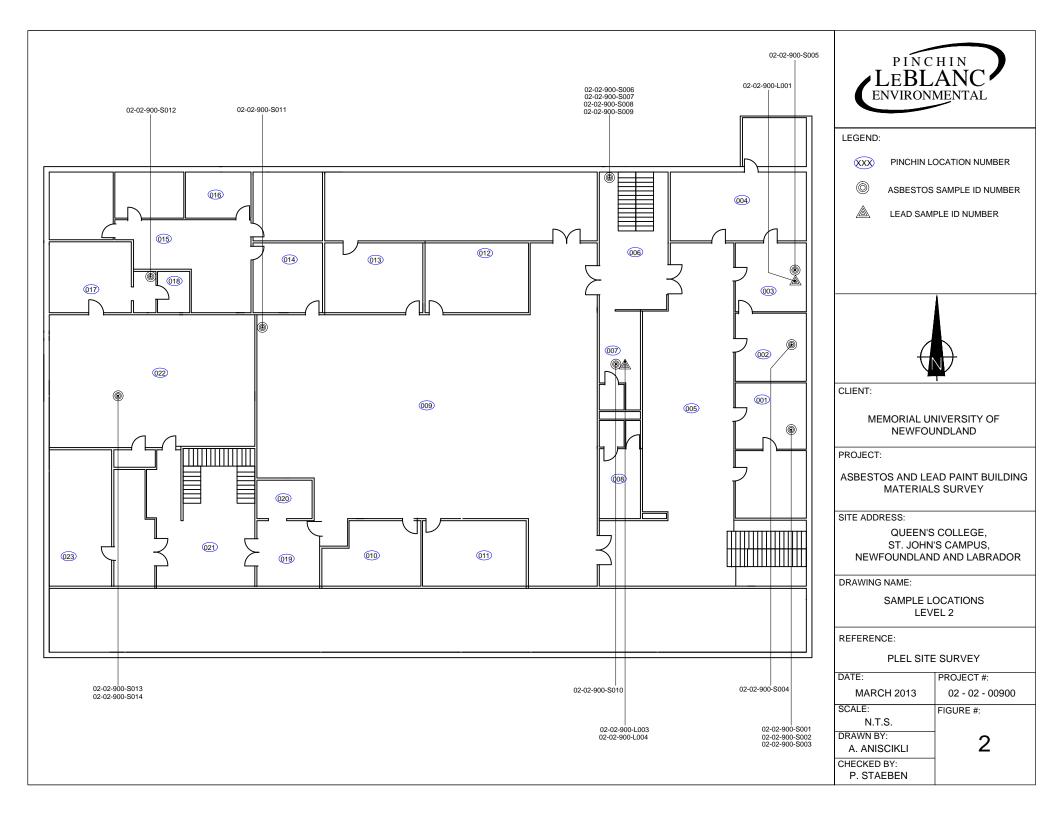
Analyst

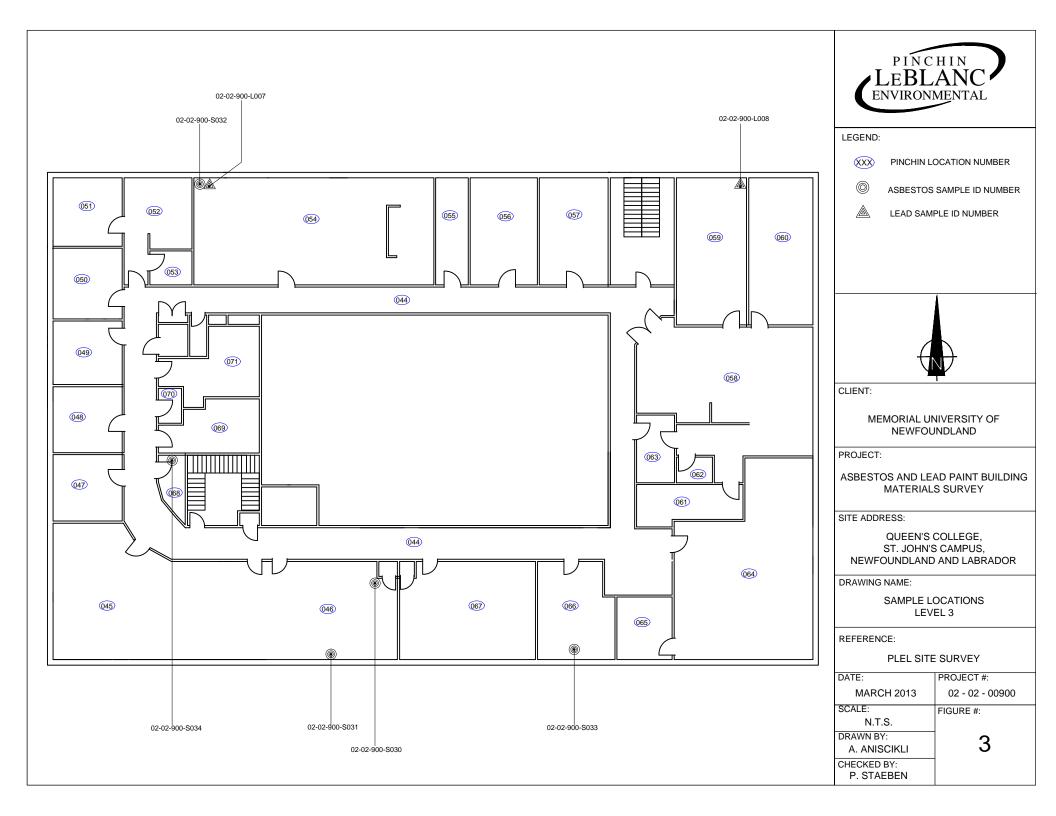
Laboratory Director

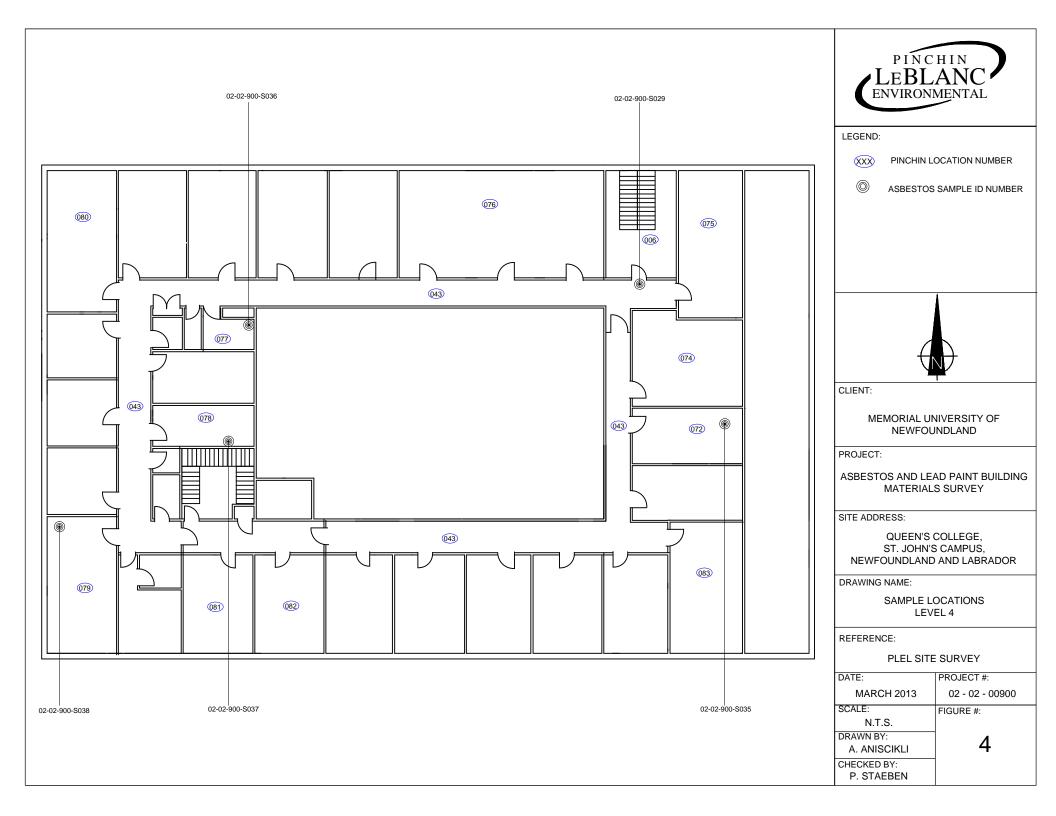
APPENDIX III

SITE DRAWINGS









APPENDIX IV

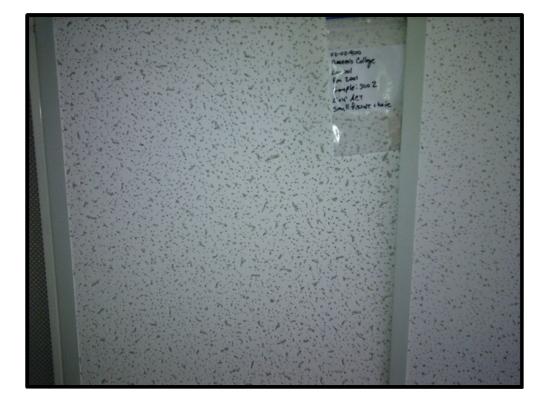
PHOTO SAMPLE LOG



UNIVERSIT	Ŷ			
Sample #:	S001	Date Sampled:	January 24, 201	13
Building :	Queen's College	Sampler:	Trent Hardy	
Location:	001, room 2001	Analysis:	SAI - PLM	
MUN Project #:	02-02-900	Work Order #:		
		Bulk Sampling Parameters		
Pipe/Tank	Flooring	Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	□ Stucco	\Box Rolled	□ Wall Orientation
□ Fitting	□ Vinyl Sheet	Popcorn	□ Felt	X Ceiling
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	□ Plaster		□ Other
\Box Tank Insulation	□ Transite Panel	X Acoustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)		
HVAC	□ Plaster	□ Mastic	Miscellaneous	: <u>2' x 4' pinhole fleck</u>
\Box Insulation	□ DWJC	Structural		
□ Tape		□ Steel F. P. ing	No. of Phases:	
□ Paper Wrap		Deck F. P. ing	Colour:	



MEMORIA UNIVERSIT		ASB	ESTOS BULK SA	MPLING FO	ORM			
Sample #:	S002		Date Sampled:	January 24, 201	3			
Building :	Queen's College		Sampler:	Trent Hardy				
Location:	001, room 2001		Analysis:	SAI - PLM				
MUN Project #:	02-02-900		Work Order #:					
	Bulk Sampling Parameters							
Pipe/Tank	Flooring		Ceiling	Roofing	Location			
\Box Insulation	□12'x12' Tile	□ T	extured	\Box Shingle	□ Floor			
\Box Elbow	□ 9'x9'Tile	\Box S	tucco	\Box Rolled	□ Wall Orientation			
□ Fitting	\Box Vinyl Sheet		opcorn	🗆 Felt	X Ceiling			
□ Transite Pipe	□ Mastic	\Box D	OWJC	🗆 Tar	□ Above Ceiling			
□ Gasket	Wall	$\Box P$	laster		□ Other			
□ Tank Insulation	□ Transite Panel	ХА	coustic Tile (Dropped)					
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)					
HVAC	□ Plaster	\Box N	Iastic	Miscellaneous: and pinhole	<u>2' x 4' small fissure</u>			
□ Insulation	DWJC		Structural					
□ Tape		\Box S	teel F. P. ing	No. of Phases:				
□ Paper Wrap		\Box D	eck F. P. ing	Colour:				





UNIVERSIT	Ŷ				
Sample #:	S003		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	001, room 2001		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	ΠT	extured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	X Stucco		□ Rolled	□ Wall Orientation
□ Fitting	□ Vinyl Sheet	□ Popcorn		🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	\Box D	WJC	🗆 Tar	X Above Ceiling
□ Gasket	Wall	\Box Pl	laster		\Box Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	\Box M	lastic	Miscellaneous:	
\Box Insulation	□ DWJC		Structural		
□ Tape		\Box St	teel F. P. ing	No. of Phases:	
□ Paper Wrap		\Box D	eck F. P. ing	Colour:	





UNIVERSIT	Y				
Sample #:	S004		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	002, room 2002		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	X12'x12' Tile	ΠT	extured	□ Shingle	X Floor
□ Elbow	□ 9'x9'Tile	□ Stucco		□ Rolled	U Wall Orientation
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	\Box D	OWJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	$\Box P$	laster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	$\Box N$	Iastic	Miscellaneous:	
\Box Insulation	DWJC		Structural		
□ Tape		\Box S	teel F. P. ing	No. of Phases:	
□ Paper Wrap		DD	Deck F. P. ing	Colour: White streaks	with small black



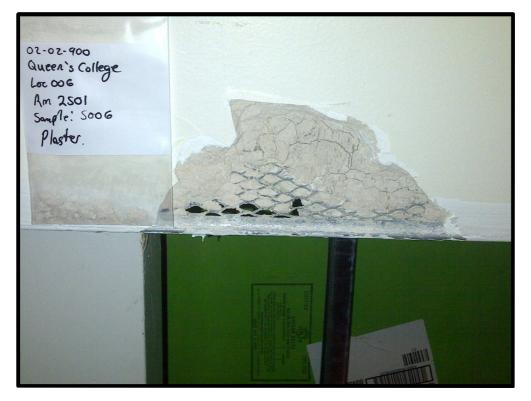


UNIVERSIT	Y				
Sample #:	S005		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	003, room 2002A		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	ΠT	extured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	\Box S	tucco	□ Rolled	X Wall Orientation
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	DD	OWJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	$\Box P$	laster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	$\Box N$	Iastic	Miscellaneous:	
□ Insulation	X DWJC		Structural		
□ Tape		\Box S	teel F. P. ing	No. of Phases:	
□ Paper Wrap		\Box D	Deck F. P. ing	Colour:	



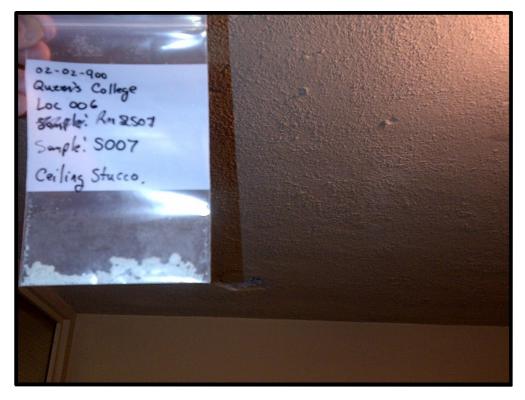


UNIVERSIT				-	
Sample #:	S006		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	006, room 2S01		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	□ T	extured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	\Box St	tucco	□ Rolled	X Wall Orientation
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling
Transite Pipe	□ Mastic	\Box D	ŴJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	$\square P$	laster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	X Plaster	$\Box M$	lastic	Miscellaneous:	
□ Insulation	DWJC		Structural		
□ Tape		\Box St	teel F. P. ing	No. of Phases:	
□ Paper Wrap		\Box D	eck F. P. ing	Colour:	



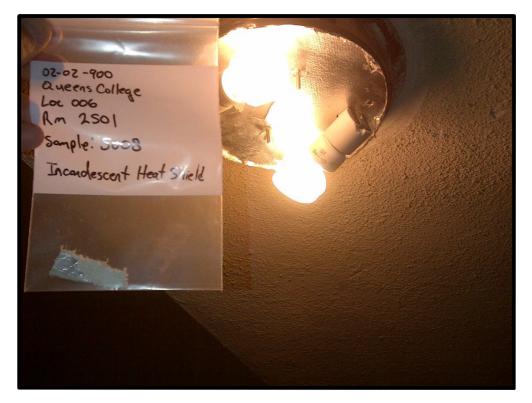


Y				
S007]	Date Sampled:	January 24, 201	3
Queen's College	5	Sampler:	Trent Hardy	
006, room 2507	A	Analysis:	SAI - PLM	
02-02-900		Work Order #:		
	Bulk Sa	ampling Parameters		
Flooring		Ceiling	Roofing	Location
□12'x12' Tile	🗆 Тех	xtured	□ Shingle	□ Floor
□ 9'x9'Tile	X Stuc	ссо	□ Rolled	U Wall Orientation
□ Vinyl Sheet	□ Popcorn		🗆 Felt	X Ceiling
□ Mastic	🗆 DW	VJC	🗆 Tar	□ Above Ceiling
Wall	🗆 Pla	ster		□ Other
□ Transite Panel	\Box Acc	oustic Tile (Dropped)		
□ Textured Wall	\Box Acc	oustic Tile (Glued-on)		
□ Plaster	🗆 Ma	stic	Miscellaneous:	
□ DWJC		Structural		
	\Box Ste	el F. P. ing	No. of Phases:	
	\Box Dec	ck F. P. ing	Colour:	
	S007 Queen's College 006, room 2507 02-02-900 Flooring 12'x12' Tile 9'x9'Tile Vinyl Sheet Wall Transite Panel Textured Wall Plaster	S007 1 Queen's College 9 006, room 2507 1 02-02-900 7 Bulk S Flooring □12'x12' Tile □ Tex □9'x9'Tile X Stue □Vinyl Sheet □ Pop □ Mastic □ DW Wall □ Pla □ Transite Panel □ Acc □ Plaster □ Ma □ DWJC □ Ste	S007Date Sampled:Queen's CollegeSampler:006, room 2507Analysis:02-02-900Work Order #:Bulk Sampling ParametersFlooring $\Box 12'x12'$ Tile \Box Textured $\Box 9'x9'$ TileX Stucco \Box Vinyl Sheet \Box Popcorn \Box Mastic $DWJC$ Wall \Box Plaster \Box Transite Panel \Box Acoustic Tile (Dropped) \Box Plaster \Box Mastic \Box Plaster \Box Mastic	S007Date Sampled:January 24, 201Queen's CollegeSampler:Trent Hardy006, room 2507Analysis:SAI - PLM02-02-900Work Order #:Bulk Sampling ParametersFlooringCeilingRoofing□12'x12' Tile□ Textured□ Shingle□9'x9'TileX Stucco□ Rolled□ Vinyl Sheet□ Popcorn□ Felt□ Mastic□ DWJC□ TarWall□ Plaster□ Tar□ Transite Panel□ Acoustic Tile (Dropped)□ Plaster□ MasticMiscellaneous:□ DWJCStructuralMiscellaneous:□ DWJCStructural





UNIVERSITY					
Sample #:	S008		Date Sampled:	January 24, 2013	
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	006, room 2S01		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
Bulk Sampling Parameters					
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	□ Textured		□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	□ Stucco		□ Rolled	□ Wall Orientation
□ Fitting	□ Vinyl Sheet	□ Popcorn		🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	□ DWJC		🗆 Tar	□ Above Ceiling
□ Gasket	Wall	□ Plaster			X Other (light)
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	□ Acoustic Tile (Glued-on)			
HVAC	□ Plaster	□ Mastic		Miscellaneous: <u>Incandescent heat</u> shield	
□ Insulation	□ DWJC		Structural		
□ Tape		□ Steel F. P. ing		No. of Phases:	
□ Paper Wrap		$\Box D$	Deck F. P. ing	Colour:	





UNIVERSITY						
Sample #:	S009	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	006, room 2S01	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	X Floor		
□ Elbow	X 9'x9'Tile	□ Stucco	□ Rolled	U Wall Orientation		
□ Fitting	□ Vinyl Sheet	□ Popcorn	🗆 Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	□ Acoustic Tile (Glued-on)				
HVAC	□ Plaster	□ Mastic	Miscellaneous:			
\Box Insulation	DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour: <u>Brown</u> streaks	with small black		



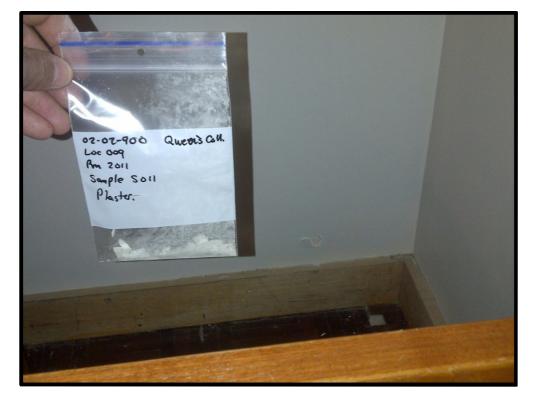


UNIVERSIT	Y				
Sample #:	S010		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	007, room 2005		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
Bulk Sampling Parameters					
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	🗆 Те	extured	□ Shingle	X Floor
□ Elbow	□ 9'x9'Tile	□ Stucco		□ Rolled	U Wall Orientation
□ Fitting	X Vinyl Sheet	□ Popcorn		🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	$\square D$	WJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	\Box Pl	aster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	□ Mastic		Miscellaneous:	
\Box Insulation	□ DWJC		Structural		
□ Tape		\Box St	teel F. P. ing	No. of Phases:	
□ Paper Wrap		\Box D	eck F. P. ing	Colour: <u>Beige</u>	





UNIVERSIT	T				
Sample #:	S011		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	009, room 2011		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	T 🗆	extured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	□ Stucco		□ Rolled	X Wall Orientation
□ Fitting	□ Vinyl Sheet	\Box Pe	opcorn	🗆 Felt	□ Ceiling
Transite Pipe	□ Mastic	$\Box D$	ŴJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	\Box Pl	laster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	X Plaster	□ Mastic		Miscellaneous:	
□ Insulation	DWJC		Structural		
□ Tape		□ St	teel F. P. ing	No. of Phases:	
□ Paper Wrap		$\Box D$	eck F. P. ing	Colour:	





UNIVERSII	Y					
Sample #:	S012	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	017, room 2014	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco	\Box Rolled	X Wall Orientation		
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)				
HVAC	□ Plaster	□ Mastic	Miscellaneous:			
□ Insulation	X DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour:			



MEMORIA UNIVERSIT			ASB	E
Sample #:	S01	13		D
Building :	Qu	een's College		S
Location:	022	2, room 2013		A
MUN Project #:	02-	02-900		V
			D 11	0

UNIVERSITY						
Sample #:	S013	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	022, room 2013	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	X12'x12' Tile	□ Textured	□ Shingle	X Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco	□ Rolled	□ Wall Orientation		
□ Fitting	□ Vinyl Sheet	□ Popcorn	🗆 Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)				
HVAC	□ Plaster	□ Mastic	Miscellaneous:			
□ Insulation	□ DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour: <u>Brown</u> white streaks	with thick grey and		

MEMORIAL	
IINIVERSITY	

UNIVERSIT	Y				
Sample #:	S014	Date Sampled:	January 24, 201	3	
Building :	Queen's College	Sampler:	Trent Hardy		
Location:	022, room 2013	Analysis:	SAI - PLM		
MUN Project #:	02-02-900	Work Order #:			
Bulk Sampling Parameters					
Pipe/Tank	Flooring	Ceiling	Roofing	Location	
□ Insulation	X12'x12' Tile	□ Textured	□ Shingle	X Floor	
□ Elbow	□ 9'x9'Tile	□ Stucco	\Box Rolled	U Wall Orientation	
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling	
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling	
□ Gasket	Wall	□ Plaster		□ Other	
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)			
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)			
HVAC	□ Plaster	□ Mastic	Miscellaneous:		
\Box Insulation	□ DWJC	Structural			
□ Tape		□ Steel F. P. ing	No. of Phases:		
□ Paper Wrap		Deck F. P. ing	Colour: White	with red streaks	



UNIVERSIT	Y				
Sample #:	S015		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	023, room 2012		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile			□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	□ Stucco		□ Rolled	X Wall Orientation
□ Fitting	□ Vinyl Sheet	□ Popcorn		🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	ΠD	WJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	$\Box P$	laster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	□ Mastic		Miscellaneous:	
\Box Insulation	X DWJC		Structural		
□ Tape		\Box S	teel F. P. ing	No. of Phases:	
□ Paper Wrap		\Box D	eck F. P. ing	Colour:	





UNIVERSITY						
Sample #:	S016		Date Sampled:	January 24, 201	3	
Building :	Queen's College		Sampler:	Trent Hardy		
Location:	023, room 2012		Analysis:	SAI - PLM		
MUN Project #:	02-02-900		Work Order #:			
Bulk Sampling Parameters						
Pipe/Tank	Flooring		Ceiling	Roofing	Location	
□ Insulation	□12'x12' Tile	🗆 Te	xtured	□ Shingle	□ Floor	
□ Elbow	□ 9'x9'Tile	🗆 Stı	icco	□ Rolled	U Wall Orientation	
□ Fitting	□ Vinyl Sheet	□ Popcorn		□ Felt	□ Ceiling	
□ Transite Pipe	□ Mastic	\Box DV	WJC	🗖 Tar	□ Above Ceiling	
□ Gasket	Wall	🗆 Pla	aster		X Other (pipechase)	
\Box Tank Insulation	□ Transite Panel	\Box Ac	coustic Tile (Dropped)			
X Pipe Wrap	□ Textured Wall	\Box Ac	coustic Tile (Glued-on)			
HVAC	□ Plaster	🗆 Ma	astic	Miscellaneous:		
□ Insulation	DWJC		Structural			
□ Tape		🗆 Ste	eel F. P. ing	No. of Phases:		
□ Paper Wrap		□ De	eck F. P. ing	Colour:		
□ Paper wrap			CCK F. P. Ing	Colour:	<u></u>	





UNIVERSITY						
Sample #:	S017	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	023, room 2012	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor		
X Elbow	□ 9'x9'Tile	□ Stucco	□ Rolled	□ Wall Orientation		
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	□ DŴJC	🗆 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		X Other (pipechase)		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	□ Acoustic Tile (Glued-on)				
HVAC	□ Plaster	□ Mastic	Miscellaneous:			
□ Insulation	DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour:			





UNIVERSIT	Y				
Sample #:	S018	Date Sampled:	January 24, 201	3	
Building :	Queen's College	Sampler:	Trent Hardy		
Location:	024, room 1018	Analysis:	SAI - PLM		
MUN Project #:	02-02-900	Work Order #:			
Bulk Sampling Parameters					
Pipe/Tank	Flooring	Ceiling	Roofing	Location	
\Box Insulation	□12'x12' Tile	□ Textured	□ Shingle	X Floor	
□ Elbow	X 9'x9'Tile	□ Stucco	\Box Rolled	□ Wall Orientation	
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling	
□ Transite Pipe	□ Mastic	□ DWJC	🗖 Tar	□ Above Ceiling	
□ Gasket	Wall	□ Plaster		□ Other	
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)			
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)			
HVAC	□ Plaster	□ Mastic	Miscellaneous:		
\Box Insulation	□ DWJC	Structural			
□ Tape		□ Steel F. P. ing	No. of Phases:		
□ Paper Wrap		Deck F. P. ing	Colour: <u>Black</u>		





UNIVERSIT	Y			
Sample #:	S019	Date Sampled:	January 24, 201	3
Building :	Queen's College	Sampler:	Trent Hardy	
Location:	024, room 1018	Analysis:	SAI - PLM	
MUN Project #:	02-02-900	Work Order #:		
		Bulk Sampling Parameters		
Pipe/Tank	Flooring	Ceiling	Roofing	Location
\Box Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	□ Stucco	□ Rolled	X Wall Orientation
□ Fitting	□ Vinyl Sheet	□ Popcorn	🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	□ Plaster		□ Other
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)		
HVAC	□ Plaster	□ Mastic	Miscellaneous:	
\Box Insulation	X DWJC	Structural		
□ Tape		□ Steel F. P. ing	No. of Phases:	
□ Paper Wrap		Deck F. P. ing	Colour:	



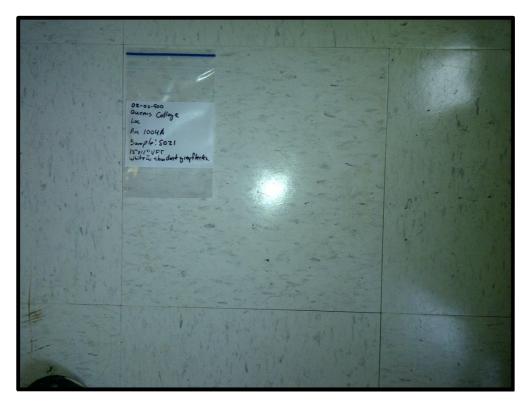


UNIVERSIT	Y				
Sample #:	S020		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	026, room 1019		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile			□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	\Box S	tucco	□ Rolled	□ Wall Orientation
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	X Ceiling
□ Transite Pipe	□ Mastic	DD	WJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	$\Box P$	laster		□ Other
□ Tank Insulation	□ Transite Panel	ΧА	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	$\Box N$	Iastic	Miscellaneous	: <u>2' x 2' pinhole fleck</u>
\Box Insulation	□ DWJC		Structural		
□ Tape		\Box S	teel F. P. ing	No. of Phases:	
□ Paper Wrap		\Box D	eck F. P. ing	Colour:	



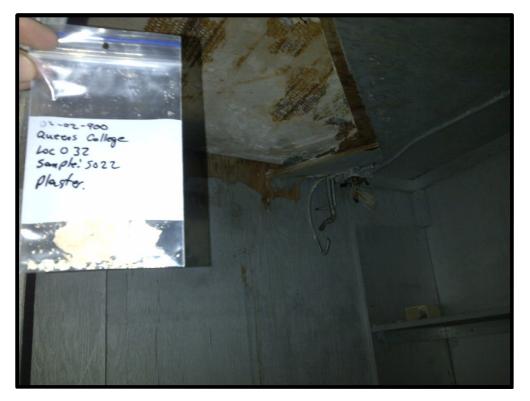


UNIVERSITY							
Sample #:	S021		Date Sampled:	January 24, 201	3		
Building :	Queen's College		Sampler:	Trent Hardy			
Location:	028, room 1004		Analysis:	SAI - PLM			
MUN Project #:	02-02-900		Work Order #:				
		Bulk	Sampling Parameters				
Pipe/Tank	Flooring		Ceiling	Roofing	Location		
□ Insulation	X12'x12' Tile			□ Shingle	X Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco		□ Rolled	□ Wall Orientation		
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	$\Box D$	WJC	🗆 Tar	□ Above Ceiling		
□ Gasket	Wall	$\Box P$	laster		□ Other		
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)				
HVAC	□ Plaster	$\Box N$	Iastic	Miscellaneous:			
□ Insulation	□ DWJC		Structural				
□ Tape		\Box S	teel F. P. ing	No. of Phases:			
□ Paper Wrap			eck F. P. ing	Colour: White with abundar			





UNIVERSII	Y			
Sample #:	S022	Date Sampled:	January 24, 201	3
Building :	Queen's College	Sampler:	Trent Hardy	
Location:	032, room 1021A	Analysis:	SAI - PLM	
MUN Project #:	02-02-900	Work Order #:		
		Bulk Sampling Parameters		
Pipe/Tank	Flooring	Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	□ Stucco	□ Rolled	□ Wall Orientation
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	X Ceiling
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	X Plaster		□ Other
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)		
HVAC	□ Plaster	□ Mastic	Miscellaneous:	
□ Insulation	□ DWJC	Structural		
□ Tape		□ Steel F. P. ing	No. of Phases:	
□ Paper Wrap		Deck F. P. ing	Colour:	



MEMORIA UNIVERSIT		ASB	ESTOS BULK SA	MPLING FO	ORM		
Sample #:	S023		Date Sampled:	January 24, 201	3		
Building :	Queen's College		Sampler:	Trent Hardy			
Location:	033, room 1021A		Analysis:	SAI - PLM			
MUN Project #:	Project #: 02-02-900 W						
Bulk Sampling Parameters							
Pipe/Tank	Flooring		Ceiling	Roofing	Location		
\Box Insulation	□12'x12' Tile	ΠT	extured	□ Shingle	□ Floor		
\Box Elbow	□ 9'x9'Tile	\Box S	tucco	□ Rolled	□ Wall Orientation		
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	□ Felt	□ Ceiling		
X Transite	□ Mastic	\Box D	WJC	🗖 Tar	□ Above Ceiling		
□ Gasket	Wall	□ P	laster		X Other (crawl space)		
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)				
HVAC	□ Plaster			Miscellaneous:			
□ Insulation	DWJC		Structural				
□ Tape		\Box S	teel F. P. ing	No. of Phases:			
□ Paper Wrap		\Box D	eck F. P. ing	Colour:			

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UNIVERSIT	T				
Sample #:	S024		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	034, room 1S01		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	ΠT	extured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	$\Box S$	tucco	□ Rolled	X Wall Orientation
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	\Box D	WJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	$\Box P$	laster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	$\Box N$	lastic	Miscellaneous:	
□ Insulation	X DWJC		Structural		
□ Tape		$\Box S$	teel F. P. ing	No. of Phases:	
□ Paper Wrap		\Box D	eck F. P. ing	Colour:	





UNIVERSII	Y			
Sample #:	S025	Date Sampled:	January 24, 201	3
Building :	Queen's College	Sampler:	Trent Hardy	
Location:	035, room 1006	Analysis:	SAI - PLM	
MUN Project #:	02-02-900	Work Order #:		
		Bulk Sampling Parameters		
Pipe/Tank	Flooring	Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	□ Stucco	\Box Rolled	X Wall Orientation
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	□ Plaster		□ Other
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)		
HVAC	X Plaster	□ Mastic	Miscellaneous:	
□ Insulation	DWJC	Structural		
□ Tape		□ Steel F. P. ing	No. of Phases:	
□ Paper Wrap		Deck F. P. ing	Colour:	





UNIVERSITY							
Sample #:	S026	Date Sampled:	January 24, 201	3			
Building :	Queen's College	Sampler:	Trent Hardy				
Location:	036, room 1007	Analysis:	SAI - PLM				
MUN Project #:	02-02-900	Work Order #:					
	·	Bulk Sampling Parameters					
Pipe/Tank	Flooring	Ceiling	Roofing	Location			
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	X Floor			
□ Elbow	X 9'x9'Tile	□ Stucco	□ Rolled	□ Wall Orientation			
□ Fitting	□ Vinyl Sheet	□ Popcorn	🗆 Felt	□ Ceiling			
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling			
□ Gasket	Wall	□ Plaster		□ Other			
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)					
□ Pipe Wrap	□ Textured Wall	□ Acoustic Tile (Glued-on)					
HVAC	□ Plaster	□ Mastic	Miscellaneous:				
\Box Insulation	□ DWJC	Structural					
□ Tape		□ Steel F. P. ing	No. of Phases:				
□ Paper Wrap		Deck F. P. ing	Colour: <u>Beige white streaks</u>	with thick grey and			





UNIVERSII	Ŷ				
Sample #:	S027		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	040, room 1014		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	X12'x12' Tile	ΠT	extured	□ Shingle	X Floor
□ Elbow	□ 9'x9'Tile	□ Stucco		□ Rolled	□ Wall Orientation
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	□ Felt	□ Ceiling
□ Transite Pipe	□ Mastic	$\Box D$	WJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	$\Box P$	laster		□ Other
\Box Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	$\Box N$	Iastic	Miscellaneous:	
\Box Insulation	□ DWJC		Structural		
□ Tape		\Box S	teel F. P. ing	No. of Phases:	
□ Paper Wrap			eck F. P. ing	Colour: <u>Blue w</u> <u>flecks</u>	vith abundant white





UNIVERSIT	T							
Sample #:	S028		Date Sampled:	January 24, 201	3			
Building :	Queen's College		Sampler:	Trent Hardy				
Location:	040, room 1014		Analysis:	SAI - PLM				
MUN Project #:	02-02-900		Work Order #:					
Bulk Sampling Parameters								
Pipe/Tank	Flooring	Ceiling		Roofing	Location			
□ Insulation	□12'x12' Tile			□ Shingle	□ Floor			
□ Elbow	□ 9'x9'Tile	\Box S	tucco	□ Rolled	□ Wall Orientation			
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	□ Felt	□ Ceiling			
Transite Pipe	□ Mastic	\Box D	WJC	🗆 Tar	X Above Ceiling			
□ Gasket	Wall	$\Box P$	laster		□ Other			
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)					
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)					
HVAC	□ Plaster	$\Box M$	lastic	Miscellaneous	: <u>Tar mastic</u>			
□ Insulation	DWJC		Structural					
□ Tape		\Box S	teel F. P. ing	No. of Phases:				
□ Paper Wrap		DD	eck F. P. ing	Colour:				





UNIVERSIT	Y				
Sample #:	S029		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	043, rooms 4C01/0	2/03	Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile			□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	\Box S	tucco	\Box Rolled	□ Wall Orientation
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	\Box D	WJC	🗖 Tar	X Above Ceiling
□ Gasket	Wall	$\Box P$	laster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	$\Box N$	Iastic	Miscellaneous	: Suspect cementious
□ Insulation	DWJC		Structural		-
□ Tape		\Box S	teel F. P. ing	No. of Phases:	
□ Paper Wrap		\Box D	eck F. P. ing	Colour:	





UNIVERSIT	Y				
Sample #:	S030		Date Sampled:	January 24, 201	3
Building :	Queen's College		Sampler:	Trent Hardy	
Location:	046, room 3005		Analysis:	SAI - PLM	
MUN Project #:	02-02-900		Work Order #:		
		Bulk	Sampling Parameters		
Pipe/Tank	Flooring		Ceiling	Roofing	Location
□ Insulation	□12'x12' Tile	□ T	extured	□ Shingle	□ Floor
□ Elbow	□ 9'x9'Tile	\Box S	tucco	□ Rolled	X Wall Orientation
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling
□ Transite Pipe	□ Mastic	$\Box D$	WJC	🗆 Tar	□ Above Ceiling
□ Gasket	Wall	$\square P$	laster		□ Other
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)		
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)		
HVAC	□ Plaster	$\Box N$	lastic	Miscellaneous:	
□ Insulation	X DWJC		Structural		
□ Tape		\Box S	teel F. P. ing	No. of Phases:	
□ Paper Wrap		$\Box D$	eck F. P. ing	Colour:	



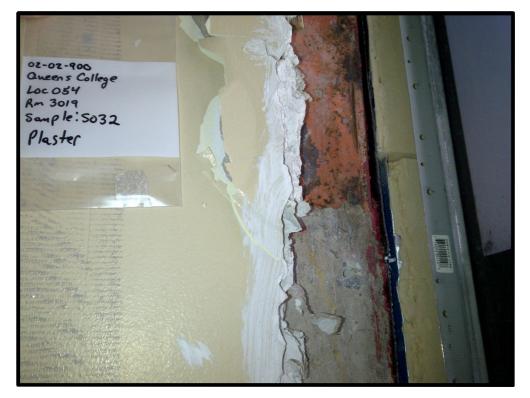


UNIVERSII	Y					
Sample #:	S031	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	046, room 3005	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco	\Box Rolled	X Wall Orientation		
□ Fitting	□ Vinyl Sheet	Popcorn	□ Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	□ DWJC	🗖 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)				
HVAC	X Plaster	□ Mastic	Miscellaneous:			
□ Insulation	DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour:			





UNIVERSIT			-			
Sample #:	S032	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	054, room 3019	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco	\Box Rolled	X Wall Orientation		
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)				
HVAC	X Plaster	□ Mastic	Miscellaneous:			
□ Insulation	DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour:			





UNIVERSII	Y					
Sample #:	S033	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	066, room 3003	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco	□ Rolled	□ Wall Orientation		
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	X Ceiling		
□ Transite Pipe	□ Mastic	X DWJC	🗆 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)				
HVAC	□ Plaster	□ Mastic	Miscellaneous:			
□ Insulation	DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour:			



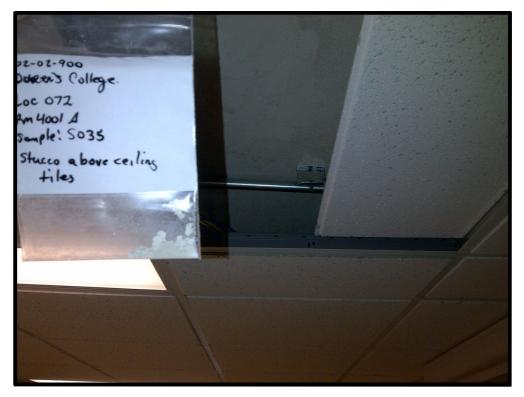


UNIVERSII				1		
Sample #:	S034		Date Sampled:	January 24, 201	3	
Building :	Queen's College		Sampler:	Trent Hardy		
Location:	068, room 3008		Analysis:	SAI - PLM		
MUN Project #:	02-02-900		Work Order #:			
Bulk Sampling Parameters						
Pipe/Tank	Flooring		Ceiling	Roofing	Location	
□ Insulation	□12'x12' Tile			□ Shingle	□ Floor	
□ Elbow	□ 9'x9'Tile	\Box S	tucco	□ Rolled	X Wall Orientation	
□ Fitting	\Box Vinyl Sheet \Box P		opcorn	🗆 Felt	□ Ceiling	
□ Transite Pipe	□ Mastic	\Box D	WJC	🗆 Tar	□ Above Ceiling	
□ Gasket	Wall	$\Box P$	laster		□ Other	
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)			
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)			
HVAC	□ Plaster	$\Box M$	lastic	Miscellaneous:		
□ Insulation	X DWJC		Structural			
□ Tape		\Box S	teel F. P. ing	No. of Phases:		
□ Paper Wrap		\Box D	eck F. P. ing	Colour:		



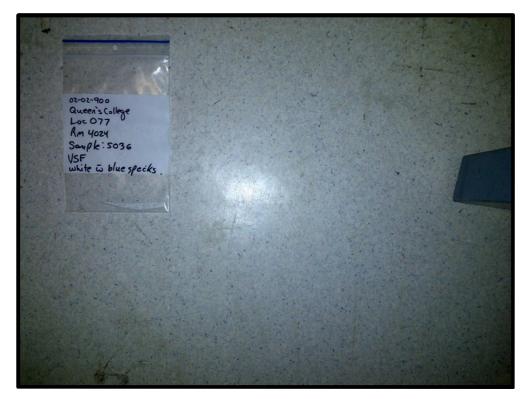


Y						
S035		Date Sampled:	January 24, 201	3		
Queen's College		Sampler:	Trent Hardy			
072, room 4001A		Analysis:	SAI - PLM			
02-02-900		Work Order #:				
Bulk Sampling Parameters						
Flooring		Ceiling	Roofing	Location		
□12'x12' Tile			□ Shingle	□ Floor		
□ 9'x9'Tile	X Stucco		□ Rolled	U Wall Orientation		
□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling		
□ Mastic	$\Box D$	WJC	🗖 Tar	X Above Ceiling		
Wall	$\Box P$	laster		□ Other		
□ Transite Panel	$\Box A$	coustic Tile (Dropped)				
□ Textured Wall	$\Box A$	coustic Tile (Glued-on)				
□ Plaster	\Box N	Iastic	Miscellaneous:			
□ DWJC		Structural				
	\Box S	teel F. P. ing	No. of Phases:			
	\Box D	Deck F. P. ing	Colour:			
	S035 Queen's College 072, room 4001A 02-02-900 Flooring D12'x12' Tile 9'x9'Tile Vinyl Sheet Wall Transite Panel Textured Wall Plaster	S035 Queen's College 072, room 4001A 02-02-900 Bulk Flooring □12'x12' Tile □9'x9'Tile X St Vinyl Sheet □P Mastic Transite Panel □ Textured Wall □ Plaster □ DWJC	S035Date Sampled:Queen's CollegeSampler:072, room 4001AAnalysis:02-02-900Work Order #:Bulk Sampling ParametersFlooringD12'x12' TileTextured9'x9'TileX StuccoVinyl SheetPopcornMasticDWJCWallPlasterTransite PanelAcoustic Tile (Dropped)Textured WallMasticPlasterMastic	S035Date Sampled:January 24, 201Queen's CollegeSampler:Trent Hardy072, room 4001AAnalysis:SAI - PLM02-02-900Work Order #:Bulk Sampling ParametersFlooringCeilingRoofing□12'x12' Tile□ Textured□ Shingle□9'x9'TileX Stucco□ Rolled□ Vinyl Sheet□ Popcorn□ Felt□ Mastic□ DWJC□ TarWall□ Plaster□ Transite Panel□ Acoustic Tile (Dropped)□ Plaster□ MasticMiscellaneous:□ DWJCStructuralMiscellaneous:□ DWJCStructuralNo. of Phases:		





UNIVERSIT	Y					
Sample #:	S036	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	077, room 4024	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	X Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco	□ Rolled	□ Wall Orientation		
□ Fitting	X Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	□ DWJC	🗖 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)				
HVAC	□ Plaster	□ Mastic	Miscellaneous:			
□ Insulation	DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour: White	with blue specks		



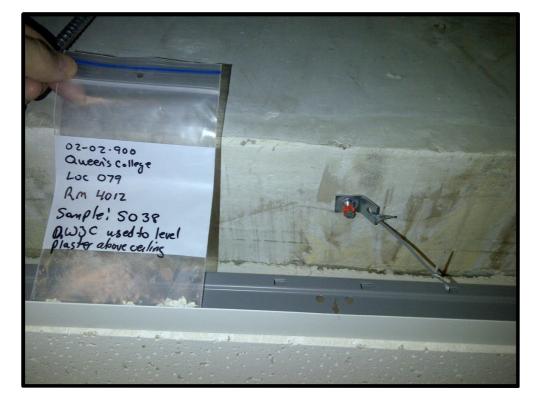


UNIVERSIT	Y					
Sample #:	S037	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	078, room 4016	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	X Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco	\Box Rolled	U Wall Orientation		
□ Fitting	X Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	□ DWJC	🗆 Tar	□ Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)				
HVAC	□ Plaster	□ Mastic	Miscellaneous:			
\Box Insulation	□ DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour: Brown	stone pattern		





UNIVERSIT	Y					
Sample #:	S038	Date Sampled:	January 24, 201	3		
Building :	Queen's College	Sampler:	Trent Hardy			
Location:	079, room 4012	Analysis:	SAI - PLM			
MUN Project #:	02-02-900	Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling	Roofing	Location		
□ Insulation	□12'x12' Tile	□ Textured	□ Shingle	□ Floor		
□ Elbow	□ 9'x9'Tile	□ Stucco	\Box Rolled	□ Wall Orientation		
□ Fitting	□ Vinyl Sheet	□ Popcorn	□ Felt	□ Ceiling		
□ Transite Pipe	□ Mastic	X DWJC	🗖 Tar	X Above Ceiling		
□ Gasket	Wall	□ Plaster		□ Other		
□ Tank Insulation	□ Transite Panel	□ Acoustic Tile (Dropped)				
□ Pipe Wrap	□ Textured Wall	\Box Acoustic Tile (Glued-on)				
HVAC	□ Plaster	□ Mastic	Miscellaneous:			
\Box Insulation	□ DWJC	Structural				
□ Tape		□ Steel F. P. ing	No. of Phases:			
□ Paper Wrap		Deck F. P. ing	Colour:			



MEMORIA UNIVERSIT	Y	ASB	ESTOS BULK SA		ORM	
Sample #:		S039 Date Sampled: May 2, 2013				
Building :	Queen's College		Sampler:	Trent Hardy		
Location:	Room 3013		Analysis:	SAI - PLM		
MUN Project #:	02-02-900 Work Order #:					
	Bulk Sampling Parameters					
Pipe/Tank	Flooring	Ceiling		Roofing	Location	
□ Insulation	X 12'x12' Tile	□ Textured		□ Shingle	X Floor	
□ Elbow	□ 9'x9'Tile	\Box S	tucco	□ Rolled	□ Wall Orientation	
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	🗆 Felt	□ Ceiling	
□ Transite Pipe	□ Mastic	\Box D	WJC	🗆 Tar	□ Above Ceiling	
□ Gasket	Wall	$\Box P$	laster		□ Other	
\Box Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)			
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)			
HVAC	□ Plaster	□ Mastic Miscellaneous: Grey with abundan grey flecks				
□ Insulation	□ DWJC		Structural	-		
□ Tape		\Box S	teel F. P. ing	No. of Phases:		
Paper Wrap		\Box D	eck F. P. ing	Colour:		

MEMORIA UNIVERSIT		ASB	ESTOS BULK SA	MPLING F	ORM	
Sample #:	S040		Date Sampled:	May 2, 2013		
Building :	Queen's College		Sampler:	Trent Hardy		
Location:	Room 3018		Analysis:	SAI - PLM		
MUN Project #:	02-02-900	02-02-900 Work Order #:				
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling		Roofing	Location	
\Box Insulation	□12'x12' Tile	□ Textured		\Box Shingle	X Floor	
□ Elbow	□ 9'x9'Tile	\Box S	tucco	\Box Rolled	□ Wall Orientation	
□ Fitting	X Vinyl Sheet	$\Box P$	opcorn	□ Felt	□ Ceiling	
□ Transite Pipe	□ Mastic	ΠD	WJC	🗆 Tar	□ Above Ceiling	
□ Gasket	Wall	$\Box P$	laster		□ Other	
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)			
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)			
HVAC	□ Plaster	□ Mastic Miscellaneous: Light grey with grey streaks			Light grey with grey	
□ Insulation	DWJC		Structural			
□ Tape		\Box S	teel F. P. ing	No. of Phases:		
□ Paper Wrap		\Box D	eck F. P. ing	Colour:		



MEMORIA UNIVERSIT		ASB	ESTOS BULK SA	MPLING F	ORM	
Sample #:	S041		Date Sampled:	May 2, 2013		
Building :	Queen's College		Sampler:	Trent Hardy		
Location:	Room 4011A		Analysis:	SAI - PLM		
MUN Project #:	02-02-900 Work Order #:		Work Order #:			
Bulk Sampling Parameters						
Pipe/Tank	Flooring	Ceiling		Roofing	Location	
□ Insulation	X 12'x12' Tile			□ Shingle	X Floor	
□ Elbow	□ 9'x9'Tile	\Box S	tucco	\Box Rolled	□ Wall Orientation	
□ Fitting	□ Vinyl Sheet	$\Box P$	opcorn	□ Felt	□ Ceiling	
□ Transite Pipe	□ Mastic	\Box D	WJC	🗆 Tar	□ Above Ceiling	
□ Gasket	Wall	$\Box P$	laster		□ Other	
□ Tank Insulation	□ Transite Panel	$\Box A$	coustic Tile (Dropped)			
□ Pipe Wrap	□ Textured Wall	$\Box A$	coustic Tile (Glued-on)			
HVAC	□ Plaster	X			Blue-grey with flecks	
□ Insulation	DWJC		Structural			
□ Tape		\Box S	teel F. P. ing	No. of Phases:		
Paper Wrap		\Box D	eck F. P. ing	Colour:		