Addendum No. 1
University Union Asbestos Abatement Phase 1B &1C
TU-2019-SBR

November 1, 2019

Ladies and Gentleman:

The purpose of this addendum is to clarify certain portions of the above-referenced project with all prospective vendors.

Clarifications:
C1. Builders Risk Insurance has been removed. All other insurance requirements and limits remain unchanged.

C2. Project 1 - AD01B – scope has been updated to remove abatement of spray on above ceiling. (Testing of the spray on above the ceiling came back negative). Project 1 – AD01B will only consist of the removal of the flooring tile.

C3. Project 1 - AD01B – the tile square footage amount has been changed from 300 sq. ft. to 1050 sq. ft.

C4. The Project timelines listed in IFB Scope of Work Part 1.C have been updated as follows, changes are underlined and bolded:

a. Project 1 – AD01B – UU128 B Spray on above Ceiling and Floor Tile.
   i. To occur between June 15 – June 30, 2020
b. Project 2 – AD01B – Stairwell and North Wall Exterior Openings.
   i. Stairwell –to occur December 14, 2020
   ii. North Wall Exterior Openings - to occur between April 15 – April 30, 2020
   i. Office - to occur between April 1 – April 15, 2020
   ii. ADD to Scope of Work Two (2) Second Floor North Wall Exterior Openings - to occur between April 15 – May 15, 2020
   iii. East Wall Demolition to occur between April 15 – May 15, 2020
d. Project 4 – AD02B & AD02C - See Part 4. Specifications A.2 and A.3 below.
   i. Wall Demolition Lobby – to occur between May 15 – June 15, 2020
   ii. Wall Demolition Gallery/Book Store Storage - to occur between June 15 – June 30, 2020
e. Project 5 – AD02C - See Part 4. Specifications A.2 and A.3 below.
   i. Wall Demolition - to occur between June 15 – June 30, 2020
   i. Wall Demolition Chesapeake Rooms - to occur between December 18 – December 31, 2019
   ii. North Wall Exterior Openings - to occur between July 1 – July15, 2020
g. Project 7 – AD03B & AD03C- See Part 4. Specifications A.2 and A.3 below. UU 301 Floor Tile and East Exterior Wall demolition.
   i. Wall Demolition Chesapeake Room Storage - to occur between December 18
December 31, 2019

ii. East Wall Exterior Openings - to occur between April 15 – April 30, 2020
h. Project 8 – AD02B – Spray on above ceiling and above duct.
i. To occur between April 1 – May 15, 2020
i. Project 9 - Removal of Fire Doors (assume 20 doors)
i. To be completed by December 14, 2020

Questions:
Q1. Is abatement monitoring required during the Union Asbestos Abatement project. I did not see any wording with regard to abatement monitoring in the above referenced solicitation.
A1. IH Services are not part of this solicitation.

Q2. Can we get an electronic version of the Scale drawings prior to tomorrow’s 2nd site visit?
A2. An electronic version of the Scale drawings have been attached via this addendum.

Q3. What is the proposed schedule of this work? Which areas will we be allowed to work in & when?
A3. Please refer to C4 for updated schedule.

Q4. Please provide an asbestos survey of the areas to be abated (9 areas).
A4. The hazmat survey has been attached via this addendum.

Q5. What is the estimated range (budget) for the abatement & demo work?
A5. The successful contractor should have experience with projects in the $300,000-$450,000 range.

Q6. Why is Builders Risk Insurance needed? That is unusual for an abatement/demolition project. Please clarify.
A6. The requirement for Builders Risk Insurance has been removed.

Q7. Please clarify in writing which Portion of the work Barton Malow will do prior to the abatement/demo?
A7. Barton Malow will cut, cap and make safe mechanical, electrical and plumbing items as necessary for HAZMAT abatement and demolition activities, including removal of major mechanical equipment, electrical pull boxes, ganged conduit, etc. exposed and/or below the ceiling, to be mutually determined and agreed upon by the successful Abatement Contractor, Barton Malow Company and the University.

Q8. How much is Metered parking per day, per vehicle?
A8. Please refer to IFB Section II. S. Parking.

Q9. Where are bids to be submitted?
A9. Please refer to IFB Key Information Summary Sheet for the Procurement Office Location and please refer to IFB Section III. Bid Submission Requirements for Information on bid submissions.

Q10. Will the University be responsible for Clearance sampling?
A10. Yes, an IH Contractor will be doing the Clearance Sampling.
Q11. On the Bid/Price Proposal for does each project need to be priced separately & then a final total submitted (Base bid)?
A11. The Base Bid is to include the total of all Projects:

Lump Sum Project 1 + Lump Sum Project 2 + Lump Sum Project 3 + Lump Sum Project 4 + Lump Sum Project 5 + Lump Sum Project 6 + Lump Sum Project 7 + Lump Sum Project 8 + Lump Sum Project 9 = Base Bid

Q12. What will the Unit prices be used for?
A12. Unit prices will be used to judge the fairness of progress bills and as the basis of change order pricing.

Q13. Can the 2nd site visit be postponed if the Scale drawings can't be provided today?
A13. The 2nd site visit date and time will remain unchanged.

Q14. The bid calls for Builders Risk Insurance. Is there a reason why they are asking for this? We are not building anything. That is typical for a General Contractor.
A14. Please see A6.

Q15. What is the preferred method to remove asbestos mastic? Grinding, Chemical etc.
A15. The preferred method to remove asbestos mastic is grinding.

All addenda will be incorporated into the final contract documents and will be binding on all vendors responding to this solicitation. Each vendor submitting a bid/proposal must acknowledge receipt of all addenda by completing and forwarding Exhibit K (included in the bid package) with the bid response; failure to acknowledge addenda may result in bid/proposal rejection.

If you have any questions regarding this addendum, please contact me at (410) 704-2050 or email me at MLCompton@towson.edu.

Sincerely,

Michelle Compton

Attachments:
TU-2019-SBR Demolition Drawings
19-623 – Towson Union 1B 2 Report
Asbestos and Lead-Based Paint Survey

Towson Union Building
Construction Phases 1B and 2

Prepared for:

Towson University
Office of Environmental Health and Safety
8000 York Road
Towson, Maryland 21252

Submitted by:

ATI, Inc.
4221 Forbes Blvd.
Suite 250
Lanham, MD 20706

ATI Job # 19-623

April 5, 2019
Contents
EXECUTIVE SUMMARY ............................................................................................................................................. 2
1.0 Introduction .......................................................................................................................................................... 3
  1.1 Lead-Based Paint Inspection Methodology .................................................................................................. 3
  1.2 Asbestos-Containing Material Survey Methodology ..................................................................................... 4
2.0 Hazardous Materials Inspection Findings ........................................................................................................ 5
  2.1 Asbestos-Containing Material Survey Findings ............................................................................................ 5
  2.2 Lead-Based Paint Testing Findings .............................................................................................................. 14
3.0 Abatement Recommendations .......................................................................................................................... 18
  3.1 Asbestos Abatement ..................................................................................................................................... 18
  3.2 Lead-Based Paint Recommendations .......................................................................................................... 18
  3.2.1 Removal of Metal (Painted and Unpainted) Components Prior to Demolition ...................................... 18
  3.2.2 OSHA Lead in Construction Standard ..................................................................................................... 18

List of Tables
Table 1: Summary of Materials Testing for Asbestos, Towson Union ........................................................................ 5
Table 2: Photolog of Positive ACM – Towson Union ............................................................................................... 12
Table 3: Positive Lead-Based Paint from XRF, Towson Union ................................................................................ 14
Table 4: Photolog of Positive Lead Based Paint .................................................................................................... 16

Appendices
Appendix A: Laboratory Results and Chain of Custody
Appendix B: XRF Results with Descriptions
Appendix C: Industrial Hygienist Asbestos and Lead Credentials
Appendix D: Drawings of Asbestos and Lead-Based Paint Locations
EXECUTIVE SUMMARY

On March 18, 21, and 25, 2019, ATI, Inc. conducted a hazardous material survey for the Towson Union located at 8000 York Road, Towson, Maryland, within the Towson University campus. ATI surveyed specific sections of the building that pertain to construction Phases 1B and 2 for asbestos-containing materials and lead-based paint.

Significant findings are as follows:

- Eighteen of 94 bulk samples from seven of 31 homogenous areas tested positive for asbestos. Asbestos-containing materials found in the Union Building include floor tile, spray-on insulation, and duct mastic.
- Lead-based paint was detected on a total of 15 different metal surfaces, which include support beams, railings, steps (treads), and stringers.

Asbestos-containing spray-on insulation was located in the current construction areas of the Union Building along building ceilings and in chases. Often, this asbestos-containing material was located directly next to newer, non-asbestos-containing insulation. Thus, ATI’s inspectors focused upon finding the locations of asbestos-containing spray-on, as well as other suspect materials, such as floor tiles and mastics, and thermal systems insulation.

ATI sampled a variety of accessible spray-on to show a distinction between the locations of asbestos-containing insulation and non-ACM insulation. Most of the spray-on insulation sampled was found to not contain asbestos. The ceiling in Room UU128B contains asbestos spray-on insulation and was the only tested area that detected positive spray-on. ATI did not sample above the ceiling in the cafeteria and kitchen prep areas because previous information about the space indicated that it contains Amosite asbestos spray-on.

A complete listing of suspect asbestos-containing materials and lead-based paint testing by XRF are listed in Section 2. Lastly, recommendation for disposal of hazardous materials can be found in Section 3. Positive asbestos-containing materials and lead-based paint are found in Appendix D.
1. Introduction

ATI conducted a hazardous materials survey at the Towson Union at Towson University in Towson, Maryland, in anticipation of upcoming renovations planned at the facility. The survey was conducted on March 18, 21, and 25, 2019. Portions of the building were not made accessible for this effort, including: the roof, inside walls, elevator shafts, and interstitial spaces. Any hazardous materials that may be in those areas are not noted in this report.

1.1 Lead-Based Paint Inspection Methodology

ATI's Maryland licensed lead inspectors performed the lead-based paint (LBP) inspection to characterize painted surfaces for lead content. This inspection included interior painted surfaces at the Towson Union.

The lead inspection was non-destructive and did not remove paint chips for analysis. The testing was performed using a NITON XLp 300a X-Ray Fluorescence (XRF) Spectrum Analyzer (Serial Number 99738). Prior to XRF analysis, the instrument was calibrated against reference standards of known lead concentrations. The XRF detects lead by reading fluorescence emanating from a painted surface when exposed to small amounts of radiation. XRF readings are in milligrams per square centimeter (mg/cm²), a mass per unit area. LBP, when tested with an XRF instrument, is defined by Maryland as having lead concentrations greater than seven-tenths per square centimeter (> 0.7 mg/cm²). The Maryland lead-based paint standard is stricter than the U.S. Environmental Protection Agency's definition of lead, which is greater than or equal to one milligram per square centimeter (> 1.0 mg/cm²).

Prior to testing, the composition of the test building substrate (e.g., wood, metal, etc.) was determined by the lead inspector, and subsequently logged into the XRF instrument. The XRF instrument automatically performs a substrate correction to ensure that this factor did not result in false negative readings.

At the end of the shift, a calibration re-check was performed to ensure that the instrument maintained accuracy and precision during the measurement period. The instrument is also calibrated each time it is turned off, or on, and typically at four (4) hour intervals during the workday for the same reasons. The use of the XRF was in accordance with the Performance Characteristic Sheet (PCS) methodology for this instrument. XRF instrument calibration checks were performed according to the PCS.

During the XRF survey, the four sides of the building were denoted by the letters A, B, C, and D. Side A is the same side as the main entrance. Sides B, C, and D are identified clockwise from Side A as one faces the main entrance of the building. Sample locations are denoted as the direction the inspector was facing during the XRF test and correspond to the side of the room for ease of location identification.

- Side A = same direction as the entrance of the building
- Side B = clockwise to side A
- Side C = clockwise to side B
- Side D = clockwise to side C

After each building inspection, the NITON XLp XRF data was downloaded directly to a computer to generate a spreadsheet detailing the following information collected from the field survey:

- Sample Number
- Date and time of sample collection
• Unit of measure, or milligram per square centimeter (mg/cm²)
• Building component
• Substrate, such as metal, wood, plaster and others
• Side
• Condition
• Color
• Site
• Floor
• Room
• Miscellaneous notes
• Negative or positive result
• Action level, which is the Maryland standard, > 0.7 mg/cm²
• Lead concentration in mg/cm²

A complete spreadsheet of XRF assays (readings) and calibration checks follows this report in Appendix B.

1.2 Asbestos-Containing Material Survey Methodology

ATI’s Maryland-licensed asbestos inspectors performed an asbestos-containing material (ACM) survey to identify materials that contain asbestos. This inspection included the multiple areas on the 1st Floor, 2nd Floor, and 3rd Floor and mechanical spaces that will undergo renovation as part of renovation phases 1B and 2. Current construction activities are in phase 1A Asbestos-containing spray-on insulation and pipe elbows were detected throughout the phase 1A section of the Union Building. Therefore, ATI checked pipe chases, above ceilings and in other areas to find similar suspect materials in sections of the Union that will be renovated in phases 1B and 2.

ATI’s Asbestos Inspector identified materials considered to be suspect ACM according to the United States Environmental Protection Agency’s Asbestos Hazard Emergency Response Act (40 CFR 763.86) protocols, unless otherwise specified. While AHERA is not required for this Facility, it is considered the most stringent standard. Following AHERA protocols is a widely accepted industry practice in all types of buildings.

As defined by AHERA, suspect ACM includes the following building material categories:

• **Surfacing materials** - including spray-applied or troweled-on wall/ceiling coatings
• **Thermal System Insulation (TSI)** - including pipe insulation, boiler lagging, tank insulation, and duct insulation
• **Miscellaneous materials** - including ceiling tiles, floor tiles/mastic, gaskets (if accessible), fire doors, wallboard/spackle

Suspect materials that were homogeneous in nature (i.e., uniform in color and texture) were identified, touched to determine friability, and, if indicated, were sampled by removing a bulk sample. This bulk sample was placed into a labeled container, and the sample location was patched and repaired. One or more samples were collected from each homogeneous material, if deemed safe to do so by the inspector. Samples were collected in a randomly distributed manner in accordance with AHERA provisions. The description, location, condition, and quantity of each homogeneous material were recorded in the inspector’s log.

Extreme care was taken to avoid potential fiber releases during the inspection/sampling process. Before sample collection, a fine mist of water was applied to the sample site. Samples were collected using sharpened core samplers and/or razor knives, where necessary, and were immediately placed in labeled containers and sealed. Any dust generated was wet wiped, and/or a dust suppressant was applied to minimize the potential for fiber releases.
The samples of suspect ACMs were packaged and delivered, under strict chain of custody procedures to AMA Analytical Services, Inc., of Lanham, MD, (NVLAP Accreditation Number 101143-0).

Quantification of asbestos content in bulk samples was performed via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM). Per the EPA and OSHA, any material containing greater than 1% asbestos by weight is an ACM. Personnel performing analyses have been trained in identifying asbestos by the McCrone Research Institute and participate in national accreditation programs. Laboratory data sheets indicating the sample designations, gross descriptions, and analytical results are presented in the Appendices.

2.0 Hazardous Materials Inspection Findings

Section 2 of this report contains findings of the Hazardous Materials Inspection of the Towson Union. The first section discusses the results of the bulk samples tested for ACM, while the second section discusses the findings of LBP.

2.1 Asbestos-Containing Material Survey Findings

ATI surveyed for suspect ACM in select portions of the Union Building, those in renovation phases 1B and 2A. A total of 94 bulk samples were collected from 31 homogeneous areas. Eighteen of the 94 samples (7 of 31 homogenous areas) tested positive for asbestos. All samples were collected by ATI's Maryland Licensed AHERA. Seven of the 31 homogenous areas that tested positive for asbestos include:

- Tan 12x12 Floor Tile with Brown Streaks (mastic is negative)
- Gray 12x12 Floor Tile with Dark Gray Streaks (mastic is negative)
- Beige 12x12 Floor Tile (mastic is negative)
- Light Brown 12x12 Floor Tile (mastic is negative)
- Gray Spray on Insulation
- Tan Duct Mastic

A complete listing of materials sampled and analytical results can be found in Table 1.

Table 1: Summary of Materials Testing for Asbestos, Towson Union

<table>
<thead>
<tr>
<th>Homogeneous Material Description</th>
<th>Sample ID</th>
<th>Analytical Results</th>
<th>Location</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tan 12x12 Floor Tile with Brown Streaks with Black Mastic*</td>
<td>623-31819-FT-A-1</td>
<td>3% Chrysotile</td>
<td>1st Floor Mail Room</td>
<td>400 SF</td>
</tr>
<tr>
<td>Tan 12x12 Floor Tile with Brown Streaks with Black Mastic*</td>
<td>623-31819-FT-A-2</td>
<td>3% Chrysotile</td>
<td>1st Floor Mail Room</td>
<td></td>
</tr>
<tr>
<td>Tan 12x12 Floor Tile with Brown Streaks with Black Mastic*</td>
<td>623-31819-FT-A-3</td>
<td>3% Chrysotile</td>
<td>1st Floor Mail Room</td>
<td></td>
</tr>
<tr>
<td>Gray 12x12 Floor Tile with Dark Gray Streaks with Brown Mastic*</td>
<td>623-31819-FT-B-1</td>
<td>3% Chrysotile</td>
<td>Room UU393</td>
<td>100 SF</td>
</tr>
<tr>
<td>Homogeneous Material Description</td>
<td>Sample ID</td>
<td>Analytical Results</td>
<td>Location</td>
<td>Quantity</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------------</td>
<td>--------------------</td>
<td>---------------</td>
<td>----------</td>
</tr>
<tr>
<td>Gray 12x12 Floor Tile with Dark Gray Streaks with Brown Mastic*</td>
<td>623-31819-FT-B-2</td>
<td>3% Chrysotile</td>
<td>Room UU393</td>
<td></td>
</tr>
<tr>
<td>Gray 12x12 Floor Tile with Dark Gray Streaks with Brown Mastic*</td>
<td>623-31819-FT-B-3</td>
<td>3% Chrysotile</td>
<td>Room UU393</td>
<td></td>
</tr>
<tr>
<td>Beige 12x12 Floor Tile with Brown and White Streaks with Black Mastic</td>
<td>623-31819-FT-C-1</td>
<td>No Asbestos Detected</td>
<td>Room UU392</td>
<td></td>
</tr>
<tr>
<td>Beige 12x12 Floor Tile with Brown and White Streaks with Black Mastic</td>
<td>623-31819-FT-C-2</td>
<td>No Asbestos Detected</td>
<td>Room UU392</td>
<td>100 SF</td>
</tr>
<tr>
<td>Beige 12x12 Floor Tile with Brown and White Streaks with Black Mastic</td>
<td>623-31819-FT-C-3</td>
<td>No Asbestos Detected</td>
<td>Room UU392</td>
<td></td>
</tr>
<tr>
<td>Beige 12x12 Floor Tile with Black Mastic*</td>
<td>623-31819-FT-D-1</td>
<td>3% Chrysotile</td>
<td>Room UU391</td>
<td>120 SF</td>
</tr>
<tr>
<td>Beige 12x12 Floor Tile with Black Mastic*</td>
<td>623-31819-FT-D-2</td>
<td>3% Chrysotile</td>
<td>Room UU391</td>
<td></td>
</tr>
<tr>
<td>Light Brown 12x12 Floor Tile with Black Mastic*</td>
<td>623-31819-FT-E-1</td>
<td>3% Chrysotile</td>
<td>Room UU128B</td>
<td>400 SF</td>
</tr>
<tr>
<td>Light Brown 12x12 Floor Tile with Black Mastic*</td>
<td>623-31819-FT-E-2</td>
<td>3% Chrysotile</td>
<td>Room UU128B</td>
<td></td>
</tr>
<tr>
<td>Light Brown 12x12 Floor Tile with Black Mastic*</td>
<td>623-31819-FT-E-3</td>
<td>3% Chrysotile</td>
<td>Room UU128B</td>
<td></td>
</tr>
<tr>
<td>Light Brown 12x12 Floor Tile with Black Mastic*</td>
<td>623-31819-FT-E-4</td>
<td>3% Chrysotile</td>
<td>Room UU128C</td>
<td></td>
</tr>
<tr>
<td>Light Brown 12x12 Floor Tile with Black Mastic*</td>
<td>623-31819-FT-E-5</td>
<td>3% Chrysotile</td>
<td>Room UU128C</td>
<td>400 SF</td>
</tr>
<tr>
<td>Light Brown 12x12 Floor Tile with Black Mastic*</td>
<td>623-31819-FT-E-6</td>
<td>3% Chrysotile</td>
<td>Room UU128C</td>
<td></td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Brown Mastic</td>
<td>623-31819-FT-F-1</td>
<td>No Asbestos Detected</td>
<td>Room UU128</td>
<td>150 SF</td>
</tr>
<tr>
<td>Homogeneous Material Description</td>
<td>Sample ID</td>
<td>Analytical Results</td>
<td>Location</td>
<td>Quantity</td>
</tr>
<tr>
<td>-------------------------------------------------</td>
<td>------------------</td>
<td>--------------------------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Brown Mastic</td>
<td>623-31819-FT-F-2</td>
<td>No Asbestos Detected</td>
<td>Room UU128</td>
<td></td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Brown Mastic</td>
<td>623-31819-FT-F-3</td>
<td>No Asbestos Detected</td>
<td>Room UU128</td>
<td></td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Green and Red Speckle Dots with Brown Mastic</td>
<td>623-31819-FT-G-1</td>
<td>No Asbestos Detected</td>
<td>Room UU126</td>
<td></td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Green and Red Speckle Dots with Brown Mastic</td>
<td>623-31819-FT-G-2</td>
<td>No Asbestos Detected</td>
<td>Room UU126</td>
<td>200 SF</td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Green and Red Speckle Dots with Brown Mastic</td>
<td>623-31819-FT-G-3</td>
<td>No Asbestos Detected</td>
<td>Room UU126</td>
<td></td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Speckles and Yellow Mastic</td>
<td>623-31819-FT-H-1</td>
<td>No Asbestos Detected</td>
<td>Room UU126</td>
<td>200 SF</td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Speckles and Yellow Mastic</td>
<td>623-31819-FT-H-2</td>
<td>No Asbestos Detected</td>
<td>Room UU126</td>
<td></td>
</tr>
<tr>
<td>White 12x12 Floor Tile with Speckles and Yellow Mastic</td>
<td>623-31819-FT-H-3</td>
<td>No Asbestos Detected</td>
<td>Room UU126</td>
<td></td>
</tr>
<tr>
<td>2x2 Ceiling Tile with Ripples</td>
<td>623-31819-CT-A-1</td>
<td>No Asbestos Detected</td>
<td>Room UU328</td>
<td>220 SF</td>
</tr>
<tr>
<td>2x2 Ceiling Tile with Ripples</td>
<td>623-31819-CT-A-2</td>
<td>No Asbestos Detected</td>
<td>Room UU111</td>
<td>250 SF</td>
</tr>
<tr>
<td>2x2 Ceiling Tile with Edges and Speckles</td>
<td>623-31819-CT-B-1</td>
<td>No Asbestos Detected</td>
<td>Room UU217</td>
<td>1200 SF</td>
</tr>
<tr>
<td>2x2 Ceiling Tile with Edges and Speckles</td>
<td>623-31819-CT-B-2</td>
<td>No Asbestos Detected</td>
<td>Room UU232</td>
<td>180 SF</td>
</tr>
<tr>
<td>2x2 Fizzled Ceiling Tile</td>
<td>623-31819-CT-C-1</td>
<td>No Asbestos Detected</td>
<td>Corridor Outside of Mail Room</td>
<td>N/A</td>
</tr>
<tr>
<td>2x2 Fizzled Ceiling Tile</td>
<td>623-31819-CT-C-2</td>
<td>No Asbestos Detected</td>
<td>Room UU128</td>
<td>150 SF</td>
</tr>
<tr>
<td>Homogeneous Material Description</td>
<td>Sample ID</td>
<td>Analytical Results</td>
<td>Location</td>
<td>Quantity</td>
</tr>
<tr>
<td>------------------------------------------------------</td>
<td>-------------------</td>
<td>----------------------------</td>
<td>---------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>2x2 Ceiling Tile with Indents</td>
<td>623-31819-CT-D-1</td>
<td>No Asbestos Detected</td>
<td>Mail Room</td>
<td>200 SF</td>
</tr>
<tr>
<td>2x2 Fizzled Ceiling Tile</td>
<td>623-31819-CT-E-1</td>
<td>No Asbestos Detected</td>
<td>Room UU394</td>
<td>100 SF</td>
</tr>
<tr>
<td>4x2 Fizzled Ceiling Tile</td>
<td>623-31819-CT-F-1</td>
<td>No Asbestos Detected</td>
<td>Room UU128B</td>
<td>400 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-1</td>
<td>No Asbestos Detected</td>
<td>Room UU316</td>
<td>400 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-2</td>
<td>No Asbestos Detected</td>
<td>Room UU317</td>
<td>900 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-3</td>
<td>No Asbestos Detected</td>
<td>Outside Level 3 Corridor of Rooms 309-325</td>
<td>N/A</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-4</td>
<td>No Asbestos Detected</td>
<td>Women’s Bathroom on 3rd Floor</td>
<td>180 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-5</td>
<td>No Asbestos Detected</td>
<td>Chase of All Gender Bathroom on 3rd Floor</td>
<td>80 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-6</td>
<td>No Asbestos Detected</td>
<td>Room UU328</td>
<td>350 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-7</td>
<td>No Asbestos Detected</td>
<td>Mechanical Room By Stairway 2 on the 3rd Floor</td>
<td>200 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-8</td>
<td>No Asbestos Detected</td>
<td>Room UU217</td>
<td>1200 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-9</td>
<td>No Asbestos Detected</td>
<td>Room UU232</td>
<td>200 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-10</td>
<td>No Asbestos Detected</td>
<td>Chase of Men’s Bathroom on Second Floor</td>
<td>80 SF</td>
</tr>
<tr>
<td>Blue Spray on Insulation</td>
<td>623-31819-IN-A-11</td>
<td>No Asbestos Detected</td>
<td>UU246</td>
<td>450 SF</td>
</tr>
<tr>
<td>Homogeneous Material Description</td>
<td>Sample ID</td>
<td>Analytical Results</td>
<td>Location</td>
<td>Quantity</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------</td>
<td>----------------------------</td>
<td>---------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Fallen Ceiling Insulation/Ceiling Tile on Air Duct</td>
<td>623-31819-IN-B-1</td>
<td>No Asbestos Detected</td>
<td>Room UU329</td>
<td>200 SF</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-1</td>
<td>No Asbestos Detected</td>
<td>Room UU210</td>
<td>150 SF</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-2</td>
<td>No Asbestos Detected</td>
<td>Room UU209A</td>
<td>110 SF</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-3</td>
<td>No Asbestos Detected</td>
<td>Lobby (Area 203)</td>
<td>2000 SF</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-4</td>
<td>No Asbestos Detected</td>
<td>Corridor Outside of Mail Room</td>
<td>N/A</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-5</td>
<td>No Asbestos Detected</td>
<td>Chase of 1st Floor Men’s Bathroom</td>
<td>80 SF</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-6</td>
<td>No Asbestos Detected</td>
<td>Room UU111</td>
<td>250 SF</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-7</td>
<td>No Asbestos Detected</td>
<td>Corridor Adjacent to Chesapeake Rooms</td>
<td>N/A</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-8</td>
<td>20% Amosite</td>
<td>Room UU128B</td>
<td>300 SF</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-31819-IN-C-9</td>
<td>No Asbestos Detected</td>
<td>Room UU126A</td>
<td>280 SF</td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>623-32119-IN-C-10</td>
<td>No Asbestos Detected</td>
<td>Women's Bathroom 1st Floor</td>
<td>180 SF</td>
</tr>
<tr>
<td>White Insulation on Air Duct</td>
<td>623-31819-IN-D-1</td>
<td>No Asbestos Detected</td>
<td>Mechanical Room By Stairway 2</td>
<td>200 SF</td>
</tr>
<tr>
<td>Gray and White Spray on Insulation</td>
<td>623-32119-IN-E-1</td>
<td>No Asbestos Detected</td>
<td>Insulation above overhead outside first floor entrance</td>
<td>10 SF</td>
</tr>
<tr>
<td>Pipe Fitting is 3 inches in Diameter</td>
<td>623-31819-PF-A-1</td>
<td>No Asbestos Detected</td>
<td>Room UU129</td>
<td>15 LF</td>
</tr>
<tr>
<td>Homogeneous Material Description</td>
<td>Sample ID</td>
<td>Analytical Results</td>
<td>Location</td>
<td>Quantity</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------</td>
<td>--------------------</td>
<td>---------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Pipe Fitting is 3 inches in Diameter</td>
<td>623-31819-PF-A-2</td>
<td>No Asbestos Detected</td>
<td>Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 3 inches in Diameter</td>
<td>623-31819-PF-A-3</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 3 inches in Diameter</td>
<td>623-31819-PF-A-4</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 3 inches in Diameter</td>
<td>623-31819-PF-A-5</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 3 inches in Diameter</td>
<td>623-31819-PF-A-6</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 3 inches in Diameter</td>
<td>623-31819-PF-A-7</td>
<td>No Asbestos Detected</td>
<td>Room UU128C</td>
<td>100 LF</td>
</tr>
<tr>
<td>Pipe Fitting is 3 inches in Diameter</td>
<td>623-32119-PF-A-8</td>
<td>No Asbestos Detected</td>
<td>Chesapeake Room I Storage Space</td>
<td>100 LF</td>
</tr>
<tr>
<td>Pipe Fitting is 6 inches in Diameter</td>
<td>623-31819-PF-B-1</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td>100 LF</td>
</tr>
<tr>
<td>Pipe Fitting is 6 inches in Diameter</td>
<td>623-31819-PF-B-2</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 6 inches in Diameter</td>
<td>623-31819-PF-B-4</td>
<td>No Asbestos Detected</td>
<td>Room UU128C</td>
<td>100 LF</td>
</tr>
<tr>
<td>Pipe Fitting is 12 inches in Diameter</td>
<td>623-31819-PF-C-1</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 12 inches in Diameter</td>
<td>623-31819-PF-C-2</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td>100 LF</td>
</tr>
<tr>
<td>Pipe Fitting is 12 inches in Diameter</td>
<td>623-31819-PF-C-3</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 12 inches in Diameter</td>
<td>623-31819-PF-C-4</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Homogeneous Material Description</td>
<td>Sample ID</td>
<td>Analytical Results</td>
<td>Location</td>
<td>Quantity</td>
</tr>
<tr>
<td>--------------------------------------------------------</td>
<td>----------------------</td>
<td>--------------------</td>
<td>-----------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Pipe Fitting is 12 inches in Diameter</td>
<td>623-31819-PF-C-5</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td></td>
</tr>
<tr>
<td>Pipe Fitting is 2 inches in Diameter</td>
<td>623-31819-PF-D-1</td>
<td>No Asbestos Detected</td>
<td>Tunnel of Room UU129</td>
<td>100 LF</td>
</tr>
<tr>
<td>Yellow Carpet Mastic</td>
<td>623-31819-CM-A-1</td>
<td>No Asbestos Detected</td>
<td>Room UU316</td>
<td></td>
</tr>
<tr>
<td>Yellow Carpet Mastic</td>
<td>623-31819-CM-A-2</td>
<td>No Asbestos Detected</td>
<td>Room UU316</td>
<td>400 SF</td>
</tr>
<tr>
<td>Yellow Carpet Mastic</td>
<td>623-31819-CM-A-3</td>
<td>No Asbestos Detected</td>
<td>Room UU316</td>
<td></td>
</tr>
<tr>
<td>Yellow Carpet Mastic</td>
<td>623-31819-CM-A-4</td>
<td>No Asbestos Detected</td>
<td>Room UU311</td>
<td>260 SF</td>
</tr>
<tr>
<td>Yellow Carpet Mastic</td>
<td>623-31819-CM-A-5</td>
<td>No Asbestos Detected</td>
<td>Room UU313</td>
<td>280 SF</td>
</tr>
<tr>
<td>Yellow Carpet Mastic</td>
<td>623-31819-CM-A-6</td>
<td>No Asbestos Detected</td>
<td>Room UU216</td>
<td>180 SF</td>
</tr>
<tr>
<td>Yellow Carpet Mastic</td>
<td>623-31819-CM-A-7</td>
<td>No Asbestos Detected</td>
<td>Room UU217</td>
<td>1200 SF</td>
</tr>
<tr>
<td>Gray Carpet Mastic</td>
<td>623-31819-CM-B-1</td>
<td>No Asbestos Detected</td>
<td>Room UU317</td>
<td>900 SF</td>
</tr>
<tr>
<td>Light Brown Carpet Mastic</td>
<td>623-31819-CM-C-1</td>
<td>No Asbestos Detected</td>
<td>Room UU210</td>
<td>150 SF</td>
</tr>
<tr>
<td>Multi Color Carpet Mastic</td>
<td>623-31819-CM-D-1</td>
<td>No Asbestos Detected</td>
<td>Room UU209A</td>
<td>120 SF</td>
</tr>
<tr>
<td>Tan duct Mastic from above the Ceiling</td>
<td>623-31819-DM-A-1</td>
<td>2% Chrysotile</td>
<td>Room UU328</td>
<td>&lt; 10 LF</td>
</tr>
<tr>
<td>Tan duct Mastic in Mechanical Space</td>
<td>623-31819-DM-B-1</td>
<td>2% Chrysotile</td>
<td>Mechanical Room by Stairway 2</td>
<td>&lt; 10 LF</td>
</tr>
<tr>
<td>Homogeneous Material Description</td>
<td>Sample ID</td>
<td>Analytical Results</td>
<td>Location</td>
<td>Quantity</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>----------------------</td>
<td>--------------------</td>
<td>-----------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Tan duct Mastic in Mechanical Space</td>
<td>623-31819-DM-B-2</td>
<td>2% Chrysotile</td>
<td>Mechanical Room by Stairway 4</td>
<td>&lt; 10 LF</td>
</tr>
<tr>
<td>White duct Mastic above the Ceiling</td>
<td>623-31819-DM-C-1</td>
<td>No Asbestos Detected</td>
<td>Chesapeake Room I</td>
<td>&lt; 10 LF</td>
</tr>
<tr>
<td>Plaster above Ceiling Tile</td>
<td>623-31819-PL-A-1</td>
<td>No Asbestos Detected</td>
<td>Room UU208B</td>
<td></td>
</tr>
<tr>
<td>Plaster above Ceiling Tile</td>
<td>623-31819-PL-A-2</td>
<td>No Asbestos Detected</td>
<td>Room UU208B</td>
<td>30 LF</td>
</tr>
<tr>
<td>Plaster above Ceiling Tile</td>
<td>623-31819-PL-A-3</td>
<td>No Asbestos Detected</td>
<td>Room UU208B</td>
<td></td>
</tr>
<tr>
<td>Glue on Duct Insulation</td>
<td>623-31819-G-1</td>
<td>No Asbestos Detected</td>
<td>Mechanical Space by Stairway 4</td>
<td>&lt; 10 LF</td>
</tr>
<tr>
<td>Black Mastic/Insulation</td>
<td>623-31819-BM-1</td>
<td>No Asbestos Detected</td>
<td>Mechanical Space by Stairway 2</td>
<td>&lt; 10 LF</td>
</tr>
</tbody>
</table>

* - The floor tile itself is positive and the mastic is negative; however, both materials should be treated as ACM during removal.

**Table 2: Photolog of Positive ACM – Towson Union**

<table>
<thead>
<tr>
<th>ACM Material Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA #</td>
</tr>
<tr>
<td>FT-A</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>FT-B</td>
</tr>
</tbody>
</table>
### ACM Material Descriptions

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Asbestos Content</th>
<th>Condition</th>
<th>Approximate quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dark Gray Streaks</td>
<td>3% Chrysotile</td>
<td>Fair</td>
<td>80 SF</td>
</tr>
<tr>
<td>3rd Floor Room UU393</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beige 12x12 Floor Tile</td>
<td>3% Chrysotile</td>
<td>Intact</td>
<td>80 SF</td>
</tr>
<tr>
<td>FT-D</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd Floor Room UU391</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FT-E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light Brown 12x12 Floor Tile</td>
<td>3% Chrysotile</td>
<td>Intact</td>
<td>300 SF (Each Room)</td>
</tr>
<tr>
<td>Room UU128B and 128C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IN-C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gray Spray on Insulation</td>
<td>20% Amosite</td>
<td>Intact</td>
<td>300 SF</td>
</tr>
<tr>
<td>Room UU128B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DM-A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tan duct Mastic from above the Ceiling</td>
<td>2% Chrysotile</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>
2.2 Lead-Based Paint Testing Findings

Listed below are the painted surfaces that tested positive for lead-based paint when analyzed with the NITON XRF instrument. A complete list of readings collected on March 21, 2019, and March 25, 2019, including positive and negative readings follow the report.

The following components were found to contain lead-based paint, according to Maryland’s definition of lead:

- Red paint on metal beams in men and women restrooms on the 1st, 2nd, and 3rd floor
- Red paint on metal railings in mechanical spaces by stairways 2 and 3 on the 3rd floor
- Orange paint on metal steps in mechanical spaces by stairways 2 and 3 on the 3rd floor
- Red paint on metal stringer in mechanical spaces by stairways 2 and 3 on the 3rd floor
- Brown paint on metal stringer of stairway 4 on the 2nd floor
- Black paint on metal wall stringer of stairway 1 and 2 on the 2nd floor

Table 3: Positive Lead-Based Paint from XRF, Towson Union

<table>
<thead>
<tr>
<th>Reading No</th>
<th>Component</th>
<th>Substrate</th>
<th>Side</th>
<th>Condition</th>
<th>Color</th>
<th>Floor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Beam</td>
<td>Metal</td>
<td>Upper</td>
<td>Intact</td>
<td>Red</td>
<td>Second</td>
<td>Women's Restroom</td>
</tr>
<tr>
<td>6</td>
<td>Beam</td>
<td>Metal</td>
<td>Upper</td>
<td>Intact</td>
<td>Red</td>
<td>Second</td>
<td>Men's Restroom</td>
</tr>
<tr>
<td>7</td>
<td>Beam</td>
<td>Metal</td>
<td>Upper</td>
<td>Intact</td>
<td>Red</td>
<td>Third</td>
<td>Men's Restroom</td>
</tr>
<tr>
<td>Reading No</td>
<td>Component</td>
<td>Substrate</td>
<td>Side</td>
<td>Condition</td>
<td>Color</td>
<td>Floor</td>
<td>Room</td>
</tr>
<tr>
<td>------------</td>
<td>-----------</td>
<td>-----------</td>
<td>------</td>
<td>-----------</td>
<td>-------</td>
<td>-------</td>
<td>--------------------</td>
</tr>
<tr>
<td>8</td>
<td>Beam</td>
<td>Metal</td>
<td>Upper</td>
<td>Intact</td>
<td>Red</td>
<td>Third</td>
<td>Women's Restroom</td>
</tr>
<tr>
<td>9</td>
<td>Beam</td>
<td>Metal</td>
<td>Upper</td>
<td>Intact</td>
<td>Red</td>
<td>First</td>
<td>Men's Restroom</td>
</tr>
<tr>
<td>10</td>
<td>Beam</td>
<td>Metal</td>
<td>Upper</td>
<td>Intact</td>
<td>Red</td>
<td>First</td>
<td>Women's Restroom</td>
</tr>
<tr>
<td>40</td>
<td>Railing</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Red</td>
<td>Third</td>
<td>Stair 2 Mechanical</td>
</tr>
<tr>
<td>41</td>
<td>Step</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Orange</td>
<td>Third</td>
<td>Stair 2 Mechanical</td>
</tr>
<tr>
<td>45</td>
<td>Stringer</td>
<td>Metal</td>
<td>B</td>
<td>Intact</td>
<td>Red</td>
<td>Third</td>
<td>Stair 2 Mechanical</td>
</tr>
<tr>
<td>62</td>
<td>Railing</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Red</td>
<td>Third</td>
<td>Stair 4 Mechanical</td>
</tr>
<tr>
<td>63</td>
<td>Step</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Orange</td>
<td>Third</td>
<td>Stair 4 Mechanical</td>
</tr>
<tr>
<td>64</td>
<td>Stringer</td>
<td>Metal</td>
<td>B</td>
<td>Intact</td>
<td>Red</td>
<td>Third</td>
<td>Stair 4 Mechanical</td>
</tr>
<tr>
<td>74</td>
<td>Stringer</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Brown</td>
<td>Second</td>
<td>Stairway 3</td>
</tr>
<tr>
<td>75</td>
<td>Stringer</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Black</td>
<td>Second</td>
<td>Stairway 2</td>
</tr>
<tr>
<td>76</td>
<td>Stringer</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Black</td>
<td>Second</td>
<td>Stairway 1</td>
</tr>
</tbody>
</table>
Table 4: Photolog of Positive Lead Based Paint

<table>
<thead>
<tr>
<th>Date</th>
<th>Location/Reading No.</th>
<th>Assessment</th>
<th>Component</th>
<th>Substrate</th>
<th>Photo</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/21/19</td>
<td>1st, 2nd, 3rd Floor: Above Ceiling of Men and Women’s Restrooms</td>
<td>Support Beam</td>
<td>Support Beam</td>
<td>Metal</td>
<td><img src="image1" alt="Photo" /></td>
</tr>
<tr>
<td></td>
<td>5, 6, 7, 8, 9, 10</td>
<td>Color</td>
<td>Color</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead</td>
<td>Lead Concentration</td>
<td>1.4 – 6.7</td>
<td></td>
</tr>
<tr>
<td>3/21/19</td>
<td>3rd Floor: Stair 2 and 4 Mechanical Space</td>
<td>Railing</td>
<td>Component</td>
<td>Railing</td>
<td><img src="image2" alt="Photo" /></td>
</tr>
<tr>
<td></td>
<td>40, 62</td>
<td>Substrate</td>
<td>Substrate</td>
<td>Metal</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Color</td>
<td>Color</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead</td>
<td>Lead Concentration</td>
<td>5.5 – 6.9</td>
<td></td>
</tr>
<tr>
<td>3/21/19</td>
<td>3rd Floor: Stair 2 and 4 Mechanical Space</td>
<td>Step/Tread</td>
<td>Component</td>
<td>Step/Tread</td>
<td><img src="image3" alt="Photo" /></td>
</tr>
<tr>
<td></td>
<td>41, 63</td>
<td>Substrate</td>
<td>Substrate</td>
<td>Metal</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Color</td>
<td>Color</td>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead</td>
<td>Lead Concentration</td>
<td>0.8 – 1.0</td>
<td></td>
</tr>
<tr>
<td>3/21/19</td>
<td>3rd Floor: Stair 2 and 4 Mechanical Space</td>
<td>Stringer</td>
<td>Component</td>
<td>Stringer</td>
<td><img src="image4" alt="Photo" /></td>
</tr>
<tr>
<td></td>
<td>45, 64</td>
<td>Substrate</td>
<td>Substrate</td>
<td>Metal</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Color</td>
<td>Color</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>Location</td>
<td>Component</td>
<td>Substrate</td>
<td>Color</td>
<td>Lead Concentration</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>-----------</td>
<td>---------</td>
<td>--------------------</td>
</tr>
<tr>
<td>3/21/19</td>
<td>2nd Floor: Stair 3</td>
<td>Stringer</td>
<td>Metal</td>
<td>Brown</td>
<td>8.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/21/19</td>
<td>2nd Floor: Stair 1 and 2</td>
<td>Wall Stringer</td>
<td>Metal</td>
<td>Black</td>
<td>4.0 – 6.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3.0 Abatement Recommendations

3.1 Asbestos Abatement

ATI recommends that all friable asbestos be abated prior to demolition by a Maryland licensed abatement company. Non-friable asbestos does not require abatement, unless it is likely to become friable or is stipulated as such on the MDE permit.

All ACM shall be handled in a manner compliant with all applicable federal, state and local occupational and environmental regulations. Licensed abatement workers should be compliant with occupational regulations including, 29 CFR 1926.1101, OSHA’s Asbestos Standard for the Construction Industry and Code of Maryland Regulations Sec. 26.11.21.05, Worker Protection Requirements. Pertinent environmental regulations for building demolition can be found in the EPA’s Asbestos Hazard Emergency Response Act (40 CFR Part 763) and National Emissions Standard for Hazardous Air Pollutants (40 CFR Part 61) as well as COMAR Sec. 26.11.21.06, Control of Emissions from an Asbestos Project Subject to NESHAP.

Asbestos abatement requires removal of the material using wet methods to minimize the dispersion of airborne asbestos fibers, in addition to other engineering controls, including removal under a negative pressure containment (unless otherwise stipulated by MDE). A Maryland-licensed industrial hygienist should conduct air sampling for asbestos fibers during abatement both inside of the containment and outside of the containment to ensure compliance with OSHA and EPA. Moreover, the industrial hygienist should collect final clearance air samples after abatement and fine cleaning has completed, as required by the EPA and MDE, to ensure that the work area is safe for other trades to access. The final clearance sampling should be conducted using Phase Contrast Microscopy (NIOSH 7400 method) unless MDE requires the more stringent Transmission Electron Microscopy (TEM) method.

3.2 Lead-Based Paint Recommendations

3.2.1 Removal of Metal (Painted and Unpainted) Components Prior to Demolition

If metal components in the Union will be removed, they should be sent to a metal recycling facility. All metal components, such as doors, door cases, window components, stairway components, pipes and others, regardless of lead-based paint content, can be recycled. The lead-based paint does not need to be abated prior to recycling the metal. All metal components should be removed prior to demolition to ensure that metal does not remain on the premises or get mixed in with other construction debris and be sent to a landfill.

The contractor is responsible for segregating and recycling metal waste streams into copper, ferrous and other metals, which can be sold for scrap, offsetting the cost of demolition. The spot market pricing for copper is $2.80 and for steel can be $0.5-$1.00 per pound (pricing reflects July 2018 market price).

If the metal components that were found to contain LBP in the Union, such as stairway parts and ceiling support beams, will remain and be repainted, ATI recommends treating them all as containing LBP, unless the specific section of paint on the beam to be disturbed is tested and found not to contain LBP.

3.2.2 OSHA Lead in Construction Standard

Since LBP was detected in trace amounts and above Maryland’s regulatory limit in the Towson Union facility, any disturbance of such materials requires compliance with OSHA’s Lead in Construction standard. See Appendix B for XRF data. The final column of the spreadsheet lists the lead content. Any value > 0 but < 0.7 indicates trace amounts of lead.

Workers removing metal components may use blow torches and other destructive methods that may cause LBP and other chemicals to become airborne. Proper respiratory protection and other personal protective equipment should be worn during removal of painted metal components. Per OSHA's Lead in Construction standard, workers engaged in removal of LBP, building materials containing trace amounts of lead (LCP), and during demolition should have OSHA personal air monitoring to ensure that they do not exceed the OSHA Action Level for lead, 30 ug/m³, or the Permissible Exposure Limit (PEL), 30 ug/m³, averaged over an eight-hour work day.

Any workers exposed to lead above the PEL must be enrolled in a worker protection program provided by the employer that includes exposure assessments, medical surveillance, job-specific compliance programs, engineering and work practice controls, respiratory protection, protective clothing and equipment, housekeeping, hygiene facilities and practices, signs, employee training and recordkeeping.

The full list of XRF readings are under Appendix B.
Appendix A: Laboratory Results and Chain of Custody
**CERTIFICATE OF ANALYSIS**

**Chain of Custody:** 613765  
**Client:** ATI, Inc.  
**Address:** 9220 Rumsey Road  
Suite 100  
Columbia, MD 21045  
**Attention:** Courtney McCall  

---

**Job Name:** Towson Union Hazmat Survey  
**Job Location:** Towson University  
**Job Number:** 19-623  
**P.O. Number:** Not Provided  
**Date Submitted:** 03/21/2019  
**Date Analyzed:** 03/28/2019  
**Report Date:** 03/28/2019  
**Date Sampled:** 03/18/2019 - 03/21/2019  
**Person Submitting:** Andrew Woerner

### Summary of Polarized Light Microscopy

<table>
<thead>
<tr>
<th>AMA Sample Number</th>
<th>Client Sample Number</th>
<th>Total Asbestos</th>
<th>Chrysotile Percent</th>
<th>Amosite Percent</th>
<th>Crocidolite Percent</th>
<th>Other Asbestos Percent</th>
<th>Mineral Wool Percent</th>
<th>Fiberglass Percent</th>
<th>Organic Percent</th>
<th>Synthetic Percent</th>
<th>Other Percent</th>
<th>Particulate Percent</th>
<th>Sample Type</th>
<th>Sample Color</th>
<th>Homogeneity</th>
<th>Analyst ID</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>613765-1</td>
<td>623-31819-FT-A-1</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Tan</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-1A</td>
<td>623-31819-FT-A-1 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-2</td>
<td>623-31819-FT-A-2</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Tan</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-2A</td>
<td>623-31819-FT-A-2 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-3</td>
<td>623-31819-FT-A-3</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Tan</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-3A</td>
<td>623-31819-FT-A-3 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-4</td>
<td>623-31819-FT-B-1</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-4A</td>
<td>623-31819-FT-B-1 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-5</td>
<td>623-31819-FT-B-2</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-5A</td>
<td>623-31819-FT-B-2 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-6</td>
<td>623-31819-FT-B-3</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-6A</td>
<td>623-31819-FT-B-3 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-7</td>
<td>623-31819-FT-C-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>Multi</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-7A</td>
<td>623-31819-FT-C-1 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-8</td>
<td>623-31819-FT-C-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>Multi</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-8A</td>
<td>623-31819-FT-C-2 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-9</td>
<td>623-31819-FT-C-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>Multi</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-9A</td>
<td>623-31819-FT-C-3 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-10</td>
<td>623-31819-FT-D-1</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Beige</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-10A</td>
<td>623-31819-FT-D-1 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-11</td>
<td>623-31819-FT-D-2</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Beige</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-11A</td>
<td>623-31819-FT-D-2 A</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
</tbody>
</table>
### Certificate of Analysis

**Job Name:** Towson Union Hazmat Survey  
**Date Submitted:** 03/21/2019  
**Job Location:** Towson University  
**Date Analyzed:** 03/28/2019  
**Job Number:** 19-623  
**Report Date:** 03/28/2019  
**Date Sampled:** 03/18/2019 - 03/21/2019  
**P.O. Number:** Not Provided  
**Person Submitting:** Andrew Woerner

#### Summary of Polarized Light Microscopy

<table>
<thead>
<tr>
<th>AMA Sample Number</th>
<th>Client Sample Number</th>
<th>Total Asbestos</th>
<th>Chrysotile Percent</th>
<th>Asbestos Percent</th>
<th>Crocidolite Percent</th>
<th>Other Asbestos Percent</th>
<th>Mineral Wool Percent</th>
<th>Fiberglass Percent</th>
<th>Organic Percent</th>
<th>Synthetic Percent</th>
<th>Other Percent</th>
<th>Particulate Percent</th>
<th>Sample Type</th>
<th>Sample Color</th>
<th>Homogeneity</th>
<th>Analyst ID</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>613765-12</td>
<td>623-31819-FT-E-1</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>TR</td>
<td>--</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-12A</td>
<td>623-31819-FT-E-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-13</td>
<td>623-31819-FT-E-2</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-13A</td>
<td>623-31819-FT-E-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-14</td>
<td>623-31819-FT-E-3</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-14A</td>
<td>623-31819-FT-E-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-15</td>
<td>623-31819-FT-E-4</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-15A</td>
<td>623-31819-FT-E-4</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-16</td>
<td>623-31819-FT-E-5</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-16A</td>
<td>623-31819-FT-E-5</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-17</td>
<td>623-31819-FT-E-6</td>
<td>3</td>
<td>3</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97</td>
<td>FT</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-17A</td>
<td>623-31819-FT-E-6</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-18</td>
<td>623-31819-FT-F-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-18A</td>
<td>623-31819-FT-F-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-19</td>
<td>623-31819-FT-F-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-19A</td>
<td>623-31819-FT-F-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-20</td>
<td>623-31819-FT-F-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-20A</td>
<td>623-31819-FT-F-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-21</td>
<td>623-31819-FT-G-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-21A</td>
<td>623-31819-FT-G-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-22</td>
<td>623-31819-FT-G-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
<tr>
<td>613765-22A</td>
<td>623-31819-FT-G-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
</tr>
</tbody>
</table>
CERTIFICATE OF ANALYSIS

Job Name: Towson Union Hazmat Survey  
Date Submitted: 03/21/2019

Job Location: Towson University  
Date Analyzed: 03/28/2019

Job Number: 19-623  
Report Date: 03/28/2019

P.O. Number: Not Provided  
Date Sampled: 03/18/2019 - 03/21/2019

Person Submitting: Andrew Woerner

Summary of Polarized Light Microscopy

<table>
<thead>
<tr>
<th>AMA Sample Number</th>
<th>Client Sample Number</th>
<th>Total Asbestos</th>
<th>Chrysotile Percent</th>
<th>Amosite Percent</th>
<th>Crocidolite Percent</th>
<th>Other Asbestos Percent</th>
<th>Mineral Wool Percent</th>
<th>Fiberglass Percent</th>
<th>Organic Percent</th>
<th>Synthetic Percent</th>
<th>Other Percent</th>
<th>Particulate Percent</th>
<th>Sample Type</th>
<th>Sample Color</th>
<th>Homogeneity</th>
<th>Analyst ID</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>613765-23</td>
<td>623-31819-FT-G-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-23A</td>
<td>623-31819-FT-G-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-24</td>
<td>623-31819-FT-H-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-24A</td>
<td>623-31819-FT-H-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-25</td>
<td>623-31819-FT-H-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-25A</td>
<td>623-31819-FT-H-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-26</td>
<td>623-31819-FT-H-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>FT</td>
<td>White</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-26A</td>
<td>623-31819-FT-H-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>--</td>
<td>100</td>
<td>MS</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-27</td>
<td>623-31819-CT-A-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>30</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-28</td>
<td>623-31819-CT-A-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-29</td>
<td>623-31819-CT-B-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-30</td>
<td>623-31819-CT-B-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-31</td>
<td>623-31819-CT-C-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>10</td>
<td>50</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-32</td>
<td>623-31819-CT-C-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>10</td>
<td>50</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-33</td>
<td>623-31819-CT-D-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>30</td>
<td>30</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-34</td>
<td>623-31819-CT-E-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>20</td>
<td>40</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-35</td>
<td>623-31819-CT-F-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>10</td>
<td>50</td>
<td>40</td>
<td>CT</td>
<td>Multi</td>
<td>Layered</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-36</td>
<td>623-31819-IN-A-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>40</td>
<td>SPO</td>
<td>Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-37</td>
<td>623-31819-IN-A-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>40</td>
<td>SPO</td>
<td>Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-38</td>
<td>623-31819-IN-A-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>40</td>
<td>SPO</td>
<td>Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-39</td>
<td>623-31819-IN-A-4</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>40</td>
<td>SPO</td>
<td>Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-40</td>
<td>623-31819-IN-A-6</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>40</td>
<td>SPO</td>
<td>Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sample Type: CT - Composite; SPO - SPO, SW - SW
Homogeneity: Multi - Multi Layered; Homogeneous - Homogeneous
 Analyst ID: 3/7
CERTIFICATE OF ANALYSIS

Job Name: Towson Union Hazmat Survey
Job Location: Towson University
Job Number: 19-623
P.O. Number: Not Provided
Date Submitted: 03/21/2019
Date Analyzed: 03/28/2019
Report Date: 03/28/2019
Date Sampled: 03/18/2019 - 03/21/2019
Person Submitting: Andrew Woerner

Summary of Polarized Light Microscopy

<table>
<thead>
<tr>
<th>AMA Sample Number</th>
<th>Client Sample Number</th>
<th>Total Asbestos</th>
<th>Chrysotile Percent</th>
<th>Amosite Percent</th>
<th>Crocidolite Percent</th>
<th>Other Asbestos Percent</th>
<th>Mineral Wool Percent</th>
<th>Fiberglass Percent</th>
<th>Organic Percent</th>
<th>Synthetic Percent</th>
<th>Other Percent</th>
<th>Particulate Percent</th>
<th>Sample Type</th>
<th>Sample Color</th>
<th>Homogeneity</th>
<th>Analyst ID</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>613765-41</td>
<td>623-31819-IN-A-7</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-42</td>
<td>623-31819-IN-A-8</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-43</td>
<td>623-31819-IN-A-9</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-44</td>
<td>623-31819-IN-A-10</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-45</td>
<td>623-31819-IN-A-11</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Blue</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-46</td>
<td>623-31819-IN-B-1</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>30</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>CT Multi Layered</td>
<td></td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-47</td>
<td>623-31819-IN-C-1</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-48</td>
<td>623-31819-IN-C-2</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-49</td>
<td>623-31819-IN-C-3</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-50</td>
<td>623-31819-IN-C-4</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>SW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-51</td>
<td>623-31819-IN-C-5</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-52</td>
<td>623-31819-IN-C-6</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-53</td>
<td>623-31819-IN-C-7</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>60</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-54</td>
<td>623-31819-IN-C-8</td>
<td>20 --</td>
<td>20</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>40</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-55</td>
<td>623-31819-IN-C-9</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>2</td>
<td>10</td>
<td>--</td>
<td>--</td>
<td>88</td>
<td>SPO Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-56</td>
<td>623-31819-IN-D-1</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>IN White</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-57</td>
<td>623-31819-PF-A-1</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-58</td>
<td>623-31819-PF-A-2</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-59</td>
<td>623-31819-PF-A-3</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>20</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>80</td>
<td>PF Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-60</td>
<td>623-31819-PF-A-4</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>613765-62</td>
<td>623-31819-PF-A-6</td>
<td>NAD --</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CERTIFICATE OF ANALYSIS

Job Name: Towson Union Hazmat Survey
Date Submitted: 03/21/2019
Job Location: Towson University
Date Analyzed: 03/28/2019
Job Number: 19-623
Report Date: 03/28/2019
P.O. Number: Not Provided
Date Sampled: 03/18/2019 - 03/21/2019
Person Submitting: Andrew Woerner

Summary of Polarized Light Microscopy

<table>
<thead>
<tr>
<th>AMA Sample Number</th>
<th>Client Sample Number</th>
<th>Total Asbestos</th>
<th>Chrysotile Percent</th>
<th>Amosite Percent</th>
<th>Crocidolite Percent</th>
<th>Other Asbestos Percent</th>
<th>Mineral Wool Percent</th>
<th>Fiberglass Percent</th>
<th>Organic Percent</th>
<th>Synthetic Percent</th>
<th>Other Percent</th>
<th>Particulate Percent</th>
<th>Sample Type</th>
<th>Sample Color</th>
<th>Homogeneity</th>
<th>Analyst ID</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>613765-63</td>
<td>623-31819-PF-A-7</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-64</td>
<td>623-31819-PF-B-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-65</td>
<td>623-31819-PF-B-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-66</td>
<td>623-31819-PF-B-4</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-67</td>
<td>623-31819-PF-C-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-68</td>
<td>623-31819-PF-C-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-69</td>
<td>623-31819-PF-C-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-70</td>
<td>623-31819-PF-C-4</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-71</td>
<td>623-31819-PF-C-5</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>25</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>75</td>
<td>PF</td>
<td>Gray</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-72</td>
<td>623-31819-CM-A-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-73</td>
<td>623-31819-CM-A-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-74</td>
<td>623-31819-CM-A-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-75</td>
<td>623-31819-CM-A-4</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-76</td>
<td>623-31819-CM-A-5</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-77</td>
<td>623-31819-CM-A-6</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-78</td>
<td>623-31819-CM-A-7</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-79</td>
<td>623-31819-IN-A-5</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>90</td>
<td>SPO</td>
<td>Blue</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-80</td>
<td>623-31819-CM-B-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Yellow</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-81</td>
<td>623-31819-CM-C-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-82</td>
<td>623-31819-CM-D-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>100</td>
<td>CM</td>
<td>Multi</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-83</td>
<td>623-31819-DM-A-1</td>
<td>2</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>98</td>
<td>DM</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-84</td>
<td>623-31819-DM-B-1</td>
<td>2</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>98</td>
<td>DM</td>
<td>Tan</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
</tbody>
</table>
CERTIFICATE OF ANALYSIS

Job Name: Towson Union Hazmat Survey
Date Submitted: 03/21/2019
Job Location: Towson University
Date Analyzed: 03/28/2019
Job Number: 19-623
Report Date: 03/28/2019
P.O. Number: Not Provided
Date Sampled: 03/18/2019 - 03/21/2019
Person Submitting: Andrew Woerner

Summary of Polarized Light Microscopy

<table>
<thead>
<tr>
<th>AMA Sample Number</th>
<th>Client Sample Number</th>
<th>Total Asbestos</th>
<th>Chrysotile Percent</th>
<th>Amosite Percent</th>
<th>Crocidolite Percent</th>
<th>Other Asbestos Percent</th>
<th>Mineral Wool Percent</th>
<th>Fiberglass Percent</th>
<th>Organic Percent</th>
<th>Synthetic Percent</th>
<th>Other Percent</th>
<th>Particulate Percent</th>
<th>Sample Type</th>
<th>Sample Color</th>
<th>Homogeneity</th>
<th>Analyst ID</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>613765-85</td>
<td>623-31819-CM-B-2</td>
<td>2</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>98</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>DM</td>
<td>Tan</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-86</td>
<td>623-31819-CM-C-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>100</td>
<td>--</td>
<td>--</td>
<td>DM</td>
<td>White</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-87</td>
<td>623-31819-PL-A-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>PL</td>
<td>White</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-87A</td>
<td>623-31819-PL-A-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>TR</td>
<td>100</td>
<td>--</td>
<td>--</td>
<td>BC</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-88</td>
<td>623-31819-PL-A-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>BC</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-88A</td>
<td>623-31819-PL-A-2</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>BC</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-89</td>
<td>623-31819-PL-A-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>PL</td>
<td>White</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-89A</td>
<td>623-31819-PL-A-3</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>BC</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-90</td>
<td>623-31819-G-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Glue</td>
<td>Brown</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-91</td>
<td>623-31819-BM-1</td>
<td>NAD</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>MS</td>
<td>Black</td>
<td>Homogeneous</td>
<td>LBP</td>
<td></td>
</tr>
<tr>
<td>613765-91A</td>
<td>623-31819-BM-1</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>LBP</td>
<td>Sample not analyzed. No insulation present.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

613765-92 623-32119-IN-E-1 NAD -- -- -- -- -- 100 -- -- -- -- -- -- IN Multi Homogeneous LBP
613765-93 623-32119-IN-C-10 NAD -- -- -- -- 60 -- -- -- -- -- -- 40 SPO Gray Homogeneous LBP
613765-94 623-32119-PF-A-8 NAD -- -- -- -- 30 -- -- -- -- -- -- 70 PF Gray Homogeneous LBP
613765-105 623-31819-PF-D-1 NAD -- -- -- -- 25 -- -- -- -- -- -- 75 PF Gray Homogeneous LBP
## CERTIFICATE OF ANALYSIS

**Chain of Custody:** 613765  
**Client:** ATI, Inc.  
**Address:** 9220 Rumsey Road  
Suite 100  
Columbia, MD 21045  
**Attention:** Courtney McCall

**Job Name:** Towson Union Hazmat Survey  
**Date Submitted:** 03/21/2019  
**Job Location:** Towson University  
**Date Analyzed:** 03/28/2019  
**Job Number:** 19-623  
**Report Date:** 03/28/2019  
**P.O. Number:** Not Provided  
**Date Sampled:** 03/18/2019 - 03/21/2019  
**Person Submitting:** Andrew Woerner

---

### Summary of Polarized Light Microscopy

<table>
<thead>
<tr>
<th>AMA Sample Number</th>
<th>Client Sample Number</th>
<th>Total Asbestos</th>
<th>Chrysotile Percent</th>
<th>Amosite Percent</th>
<th>Crocidolite Percent</th>
<th>Other Asbestos Percent</th>
<th>Mineral Wool Percent</th>
<th>Fiberglass Percent</th>
<th>Organic Percent</th>
<th>Synthetic Percent</th>
<th>Other Percent</th>
<th>Particulate Percent</th>
<th>Sample Type</th>
<th>Sample Color</th>
<th>Homogeneity ID</th>
<th>Comments</th>
</tr>
</thead>
</table>

The following footnotes only apply to those samples which the total asbestos result is flagged with a note number.

1. **TEM RECOMMENDATION** - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos. It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy.

2. **MATRIX REDUCTION RECOMMENDATION** - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view. It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

**Analysis Method** - EPA/600/R-93/116 dated July 1993  
NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

Uncertainty: For samples containing asbestos in range of 1-10% the CV is 0.43, 11-35% CV=0.55, >35 CV=0.23. All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

**Analyst(s):** Lom Butruk, Surat Watson

---

**Technical Director**  
Michael Greenberg

---

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.
**CHAIN OF CUSTODY**

**Submitting Information:**
1. Job Name: *TOWSON UNIVERSITY HAZMAT SURVEY*
2. Job Location: *TOWSON UNIVERSITY*
3. Job #: 19-623
4. Contact Person: *Courtney McFall*
5. Submitted by: *Andrew Worner*

**Reporting Information (Results will be provided as soon as technically feasible):**
- Immediate
- 24 Hours
- 3 Day
- 4 Day +
- Results Required By Noon
- (Every Attempt Will Be Made to Accommodate)

<table>
<thead>
<tr>
<th>Asbestos Analysis</th>
<th>Metals Analysis</th>
<th>Fungal Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PCMAir - Please Indicate Filter Type:</strong></td>
<td><strong>Ph Paint Chip</strong></td>
<td><strong>Collection Apparatus for Spore Trap/Air Samples:</strong></td>
</tr>
<tr>
<td>Q NIOSH 7400 (QTY)</td>
<td><strong>Ph Dust Wipe (wipe type) (QTY)</strong></td>
<td><strong>Collection Media</strong></td>
</tr>
<tr>
<td>Q Fiberglass (QTY)</td>
<td><strong>Ph Air</strong></td>
<td><strong>Spore-Trap (QTY)</strong></td>
</tr>
<tr>
<td><strong>TEMAir - Please Indicate Filter Type:</strong></td>
<td><strong>Ph Soil/Solid</strong></td>
<td><strong>Surface Swab (QTY)</strong></td>
</tr>
<tr>
<td>Q AHERA (QTY)</td>
<td><strong>Ph TCLP</strong></td>
<td><strong>Culturable ID Genus (Media) (QTY)</strong></td>
</tr>
<tr>
<td>Q NIOSH 7402 (QTY)</td>
<td><strong>Drinking Water</strong></td>
<td><strong>Surface Tape (QTY)</strong></td>
</tr>
<tr>
<td>Q Other (specify...) (QTY)</td>
<td><strong>Ph As</strong></td>
<td><strong>Culturable ID Species (Media) (QTY)</strong></td>
</tr>
</tbody>
</table>

**PLM Bulk**
- EPA 600 - Visual Estimate CQY (QTY)
- EPA Point Count (QTY)
- NY State Triable 198.1 (QTY)
- Grav. Reduction ELAP 198.6 (QTY)
- EPA 100.1 (QTY)

**PLM Water**
- Qual. (pres/abs) Vacuum/Dust (QTY)
- Quant. (area) Vacuum DS755-95 (QTY)
- Quant. (area) Dust D680-99 (QTY)

**TEM Water**
- ELAP 198.4/Chafield (QTY)
- NY State PLM/TEM (QTY)
- Residual Ash (QTY)

All samples received in good condition unless otherwise noted.
(TEM Water samples ____ °C)

**CLIENT CONTACT**

**LABORATORY STAFF ONLY:**
1. Date/Time RCVD: 3/21/19
2. Date/Time Analyzed: 3/21/19
3. Results Reported To:
4. Comments:
# Chain of Custody

**Mailing/Billing Information:**
- **Client Name:**
- **Address 1:**
- **Address 2:**
- **Address 3:**
- **Phone #:**
- **Fax #:**

**Reporting Information (Results will be provided as soon as technically feasible):**
- **AFTER HOURS (must be pre-scheduled):**
  - Immediate
  - 24 Hours
- **NORMAL BUSINESS HOURS:**
  - Immediate
  - 3 Day
  - 5 Day
  - 2 Day
- **Results Required By Noon**
  - Every Attempt Will Be Made to Accomodate
- **REPORT TO:**
  - Include COC/Field Data Sheets With Report
  - Email:
  - Fax:
  - Phone:
  - Verbal:

**Asbestos Analysis**
- **PCM Air:**
  - Please Indicate Filter Type:
    - NIOSH 7402
    - Other (specify)
- **TEM Air:**
  - Please Indicate Filter Type:
    - AHRA
    - NIOSH 7402
    - Other (specify)
- **PLM Bulk:**
  - EPA 600 - Visual Estimate
  - EPA Point Count
  - NY State Friable
  - Other (specify)
- **MISC:**
  - Vermiculite
  - Asbestos Soil PLM (Qua)
  - Asbestos Soil PLM/TEM (Qua)
  - Asbestos Soil PLM/TEM (Qua)

**Sample Information**

| CLIENT ID NUMBER | SAMPLE LOCATION IDENTIFICATION | DATE | VOLUME (LITERS) | WIPE AREA | TEM | FOC | YEL | ENS | MOLD | AIR | EXHA | HELIX | PATHO | VAPOR | SHELD | CLIENT CONTACT |
|------------------|--------------------------------|------|----------------|-----------|-----|-----|-----|-----|------|-----|------|-------|-------|-------|-------|---------------|-----------------|
| 623-31819-FT-C-1 | Beige 12x12 floor tile w/ streaks and brown mastic | 3/18 |               |           |     |     |     |     |      |     |      |       |       |       |     |               |                 |
| 623-31819-FT-C-2 | Beige 12x12 floor tile w/ streaks and brown mastic | 3/18 |               |           |     |     |     |     |      |     |      |       |       |       |     |               |                 |
| 623-31819-FT-C-3 | Beige 12x12 floor tile w/ streaks and brown mastic | 3/18 |               |           |     |     |     |     |      |     |      |       |       |       |     |               |                 |
| 623-31819-FT-D-1 | Beige 12x12 floor tile w/ black mastic | 3/18 |               |           |     |     |     |     |      |     |      |       |       |       |     |               |                 |
| 623-31819-FT-D-2 | Beige 12x12 floor tile w/ black mastic | 3/18 |               |           |     |     |     |     |      |     |      |       |       |       |     |               |                 |
| 623-31819-FT-E-1 | Light brown 12x12 floor tile with black mastic | 3/18 |               |           |     |     |     |     |      |     |      |       |       |       |     |               |                 |

**Laboratory Staff Only:**

1. Date/Time RCVD:
2. Date/Time Analyzed:
3. Results Reported To:
4. Comments:

**Prepared By:**

**Date/Time:**

**Contact:**

**By (Print):**

**Sign:**

**LABORATORY STAFF ONLY:**

**CUSTODY**
### Chain of Custody

**Mailing/Billing Information:**
1. **Client Name:**
2. **Address 1:**
3. **Address 2:**
4. **Address 3:**
5. **Phone #:**
   - **Fax #:**

**Submittal Information:**
1. **Job Name:**
2. **Job Location:**
3. **Job #:**
4. **Contact Person:**
   - **@ phone #:**
5. **Submitted by:**
   - **Signature:**

**Reporting Information (Results will be provided as soon as technically feasible):**
- **After Hours (must be pre-scheduled):**
  - Immediate Date Due:
  - 24 Hours Time Due:

- **Normal Business Hours:**
  - Immediate
  - 3 Day
  - 4 Day +
  - 2 Day

- **Results Required By Noon (Every Attempt Will Be Made to Accommodate):**
  - **Report To:**
    - Include COC/Field Data Sheets with Report
    - Email:
    - Fax:
    - Verbal:

### Asbestos Analysis
- **PCM Air:**
  - Please Indicate Filter Type:
    - NIOSH 7400
    - Fiberglass
  - Other:

- **TEM Air:**
  - Please Indicate Filter Type:
    - Merv
    - NIOSH 7402
  - Other:

- **PLM Bulk:**
  - EPA 600 Visual Estimate
  - EPA Point Count
  - NY State Frible 198.6
  - Grav. Reduction ELAP 198.6
  - Other:

- **MISC:**
  - Vermiculite
  - Asbestos Soil PLM

### TEM Bulk
- ELAP 198.4/Charfield
- NY State PLM
- Residual Ash

### TEM Dust
- Qual. (pres/abs) Vacuum/Dust
- Qual. (pres/abs) Vacuum D5755-95
- Qual. (pres/abs) Dust D6480-99

### Metals Analysis
- Pb Paint Chip
- Pb Dust Wipe (wipe type)
- Pb Air
- Pb Soil/Solid
- Pb TCLP
- Drinking Water
- Waste Water Q Pb
- Pb Furnace (Media)

### Fungal Analysis
- Collection Apparatus for Sore Trap/Air Samples:
- Collection Media
  - Sore Trap
  - Surface Vacuum Dust
  - Surface Swab
  - Culturable ID Genus (Media)
  - Culturable ID Species (Media)
  - Other (Specify)

### Sample Information

<table>
<thead>
<tr>
<th>CLIENT ID NUMBER</th>
<th>SAMPLE INFORMATION</th>
<th>LOCATION IDENTIFICATION</th>
<th>DATE</th>
<th>VOLUME (LITERS)</th>
<th>WIPE AREA</th>
<th>TEM</th>
<th>FOG</th>
<th>SN</th>
<th>MOLD</th>
<th>AS</th>
<th>HULL</th>
<th>HTA</th>
<th>VPHA</th>
<th>PKA</th>
<th>TAXE</th>
<th>PAPA</th>
<th>PMA</th>
<th>TMAE</th>
<th>SFAE</th>
</tr>
</thead>
<tbody>
<tr>
<td>623-31819-FT-E-2</td>
<td>Light brown 12x12</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>floor tile with black mastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-FT-E-3</td>
<td>Light brown 12x12</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>floor tile with black mastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-FT-E-4</td>
<td>Light brown 12x12</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>floor tile with black mastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-FT-E-5</td>
<td>Light brown 12x12</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>floor tile with black mastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-FT-E-6</td>
<td>Light brown 12x12</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>floor tile with black mastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-FT-F-1</td>
<td>White 12x12 floor tile</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Laboratory Staff Only (Custody):**
1. Date/Time RCVD:
2. Date/Time Analyzed:
3. Results Reported To:
4. Comments:

**Laboratory Staff Only:**
- Date/Time:
- Contact:
- By:
- Sign:
- Initials:

**Client Contact:**
- Date/Time:
- Contact:
- By:
- Sign:
- Initials:

**Client Contact:**
- Date/Time:
- Contact:
- By:
- Sign:
- Initials:

**Client Contact:**
- Date/Time:
- Contact:
- By:
- Sign:
- Initials:

**Client Contact:**
- Date/Time:
- Contact:
- By:
- Sign:
- Initials:

**Client Contact:**
- Date/Time:
- Contact:
- By:
- Sign:
- Initials:
### Chain of Custody

#### Mailing/Billing Information:
1. Client Name: 
2. Address 1: 
3. Address 2: 
4. Address 3: 
5. Phone #: 
   Fax #: 

#### Submittal Information:
1. Job Name: 
2. Job Location: 
3. Job #: 
4. Contact Person: 
   P.O. #: 
   @ phone # 

#### Reporting Information (Results will be provided as soon as technically feasible):
- Immediate: 
- 5 Day: 
- 2 Day: 
- 5 Day: 
- Results By Noon: 
- Made to Accomodate: 

#### Asbestos Analysis
- PCM Air
- TEM Air
- PLM Air
- PLM Bulk
- MISC

#### Metals Analysis
- TEM Bulk
- TEM Dust
- TEM Water

#### Fungal Analysis
- Collection Apparatus

#### CLIENT ID NUMBER
- 623-31819-FT-F-2
- 623-31819-FT-F-3
- 623-31819-FT-G-1
- 623-31819-FT-G-2
- 623-31819-FT-G-3
- 623-31819-FT-H-1

#### SAMPLE INFORMATION
- Sample Location: 
- Identification: 
- Date: 
- Volume (litres): 
- Wipe Area: 
- Analysis: 
- Matrix: 
- Client Contact: 

#### CLIENT CONTACT
- Date/Time: 
- Contact: 
- By: 

#### LABORATORY STAFF ONLY
- (CUSTODY)
1. Date/Time RCVD: 
2. Date/Time Analyzed: 
3. Results Reported To: 
4. Comments: 

### Laboratory Receipt
- (LABORATORY STAFF ONLY)
- Date/Time: 
- Contact: 
- By: 

#### Signature
- (Please Refer To This Number For Inquiries)
### CHAIN OF CUSTODY

#### Mailing/Billing Information:
1. Client Name: 
2. Address 1: 
3. Address 2: 
4. Address 3: 
5. Phone #: 
6. Fax #: 

#### Submittal Information:
1. Job Name: 
2. Job Location: 
3. Job #: 
4. Contact Person: 
5. P.O. #: 

#### Reporting Information (Results will be provided as soon as technically feasible):
- Immediate
- 3 Day
- 2 Day
- 1 Day
- Next Day

<table>
<thead>
<tr>
<th>AFTER HOURS (must be pre-scheduled)</th>
<th>NORMAL BUSINESS HOURS</th>
<th>REPORT TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate Date Due:</td>
<td></td>
<td>Include COC/Field Data Sheets with Report</td>
</tr>
<tr>
<td>24 Hours Time Due:</td>
<td>Results Required By Noon</td>
<td>Email:</td>
</tr>
<tr>
<td>Comments:</td>
<td></td>
<td>Fax:</td>
</tr>
</tbody>
</table>

### Asbestos Analysis

- **PCM Air**
  - NIOSH 7402
  - NIOSH 7402
  - Other (specify...)

- **TEM Air**
  - APRA-4
  - NIOSH 7402
  - Other (specify...)

- **PLM Bulk**
  - EPA 600 - Visual Estimate
  - EPA Point Count
  - NY State Friable 198.1
  - Grav. Reduction ELAP 198.6
  - Other (specify...)

### Metallurgical Analysis

- **TEM Bulk**
  - ELAP 198.4/Charfield
  - NY State PLM/TEM
  - Residual Ash

- **TEM Dust**
  - Qual. (pres/abs) Vacuum/Dust
  - Quan. (area) Vacuum D5755-95
  - Quan. (area) Dust D6640-99

- **TEM Water**
  - Qual. (pres/abs) ELAP 198.2
  - EPA 100.1

### Fungal Analysis

- **Collection Apparatus for Spore Traps/Air Samples**
  - Collection Media
  - Spore-Trap
  - Surface Vacuum Dust
  - Surface Swab
  - Cylinder ID Genus (Media)
  - Cylinder ID Species (Media)
  - Other (specify...)

### CLIENT INFORMATION

<table>
<thead>
<tr>
<th>SAMPLE LOCATION IDENTIFICATION</th>
<th>DATE</th>
<th>VOLUME</th>
<th>WIPE AREA</th>
<th>TEM</th>
<th>FCC</th>
<th>E25</th>
<th>L25</th>
<th>MOLD</th>
<th>ALLERGI</th>
<th>RELAX</th>
<th>MATRIX</th>
<th>CLIENT CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>623-31819-FT-H-2</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-FT-H-3</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CT-A-1</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CT-A-2</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CT-B-1</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CT-B-2</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### LABORATORY STAFF ONLY:

1. Date/Time RCVD: / / / @ Via: By (Print): Sign: 
2. Date/Time Analyzed: / / / @ By (Print): 
3. Results Reported To: 
4. Comments:
# Chain of Custody

**Mailing/Billing Information:**
1. Client Name:
2. Address 1:
3. Address 2:
4. Address 3:
5. Phone #: Fax #: 

**Submital Information:**
1. Job Name:
2. Job Location:
3. Job #: P.O. #: 
4. Contact Person: @ phone #
5. Submitted by: Signature: 

**Reporting Information (Results will be provided as soon as technically feasible):**

<table>
<thead>
<tr>
<th>After Hours (must be pre-scheduled)</th>
<th>Normal Business Hours</th>
<th>Report To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate</td>
<td>3 Day</td>
<td>Include COC/Field Data Sheets with Report</td>
</tr>
<tr>
<td>24 Hours</td>
<td>5 Day +</td>
<td>Email:</td>
</tr>
<tr>
<td>Time Due:</td>
<td>2 Day</td>
<td>Fax:</td>
</tr>
<tr>
<td>Comments:</td>
<td>Date Due:</td>
<td>Verbal:</td>
</tr>
</tbody>
</table>

**Asbestos Analysis**
- PCC Air – Please Indicate Filter Type:
  - NIOSH 7400 (QTY)
  - Fiberglass (QTY)
- TEM Air – Please Indicate Filter Type:
  - AHERA (QTY)
  - NIOSH 7400 (QTY)
  - Other (Specify) (QTY)
- PLM Bulk
  - EPA 600 – Visual Estimate (QTY)
  - EPA Point Count (QTY)
  - NY State Friable 198.1 (QTY)
  - Grav. Reduction ELAP 198.6 (QTY)
  - Other (Specify) (QTY)
- MISC
  - Vermiculite (QTY)
  - Asbestos Soil PLM (QTY)

**METALS ANALYSIS**
- TEM Bulk
  - ELAP 198.4/Chartfield (QTY)
  - NY State PLM/TEM (QTY)
  - Residual Ash (QTY)
- TEM Dust
  - Quan. (Area) Vacuum Dust 1-95 (QTY)
  - Quan. (Area) Dust 64400-99 (QTY)
- TEM Water
  - Qual (Area) (QTY)
  - ELAP 198.2/EP 100.2 (QTY)
  - EPA 100.1 (QTY)
  - All samples received in good condition unless otherwise noted. (TEM Water samples ___C)

**CLINICAL DATA**

<table>
<thead>
<tr>
<th>Client ID</th>
<th>Sample Location/Identification</th>
<th>Sample Volume (Liters)</th>
<th>Date</th>
<th>WEB AREA</th>
<th>Analysis</th>
<th>Matrix</th>
<th>Client Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>623-31819-FT-C-1</td>
<td>2x2 fiaved ceiling tile</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-FT-C-2</td>
<td>2x2 fiaved ceiling tile</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-CT-D-1</td>
<td>2x2 ceiling tile w/ indent</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-CT-E-1</td>
<td>2x2 fiaved ceiling tile</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-CT-F-1</td>
<td>4x2 fiaved ceiling tile</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-IN-A-1</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-IN-A-2</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-IN-A-3</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-IN-A-4</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-IN-A-5</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-IN-A-6</td>
<td>Blue spray on translation</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
<tr>
<td>623-31819-IN-A-7</td>
<td>Blue spray on translation</td>
<td>3/18</td>
<td></td>
<td></td>
<td>✔</td>
<td>✔</td>
<td>By</td>
</tr>
</tbody>
</table>

1. Date/Time RCVD: / / / @ Via: By (Print): 
2. Date/Time Analyzed: / / / @ By (Print): 
3. Results Reported To: 
4. Comments:

**Laboratory STAFF ONLY:**

(CUSTODY)

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Contact</th>
<th>By (Print):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Laboratory STAFF ONLY:**

(CUSTODY)

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Contact</th>
<th>By (Print):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CHAIN OF CUSTODY

Mailing/Billing Information:
1. Client Name:
2. Address 1:
3. Address 2:
4. Address 3:
5. Phone #: Fax #:  

Submittal Information:
1. Job Name:
2. Job Location:
3. Job #: P.O. #:
4. Contact Person: @ phone #
5. Submitted by: Signature:

Reporting Information (Results will be provided as soon as technically feasible):

<table>
<thead>
<tr>
<th>AFTER HOURS (must be pre-scheduled)</th>
<th>IMMEDIATE Date Due:</th>
<th>3 Day</th>
<th>5 Day +</th>
<th>Results Required By Noon (Every Attempt Will Be Made To Accomodate)</th>
<th>REPORT TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Immediate</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐ Include COC/Field Data Sheets with Report</td>
</tr>
<tr>
<td>☐ 24 Hours</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐ Email:</td>
</tr>
<tr>
<td>☐ ☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐ Fax:</td>
</tr>
<tr>
<td>☐ ☐ ☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐ Verbal:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NORMAL BUSINESS HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Immediate</td>
</tr>
<tr>
<td>☐ Next Day</td>
</tr>
<tr>
<td>☐ 2 Day</td>
</tr>
</tbody>
</table>

Asbestos Analysis
- PCM Air - Please Indicate Filter Type:
  ☐ NIOSH 7400 (QTY)
  ☐ Fiberglass (QTY)
- TEM Air - Please Indicate Filter Type:
  ☐ NIOSH 7400 (QTY)
  ☐ Other (Specify)  

PLM Bulk
- EPA 600 - Visual Estimate (QTY)
- EPA Point Count (QTY)
- NY State Friable 198.1 (QTY)
- Grav. Reduction ELAP 198.6 (QTY)
- Other (Specify)  

TEM Water
- ELAP 198.4/Chartfield (QTY)
- ELAP 198.4/PLM (QTY)
- NY State PLM/TEM (QTY)
- Remote Ash (QTY)
- Residual Ash (QTY)

TEM Dust
- Qual. (probs/abs) Vacuum/Dust (QTY)
- Qual. (Arca) Vacuum D5755-95 (QTY)
- Qual. (Arca) Dust D6489-99 (QTY)

TEM Gas
- All samples received in good condition unless otherwise noted.

Metals Analysis
- Pb Paint Chip (QTY)
- Pb Dust (wipe type) (QTY)
- Pb Air (QTY)
- Pb Soil/Solid (QTY)
- Pb TCLP (QTY)
- Drinking Water Pb (QTY)
- Cu (QTY)
- As (QTY)
- Waste Water Pb (QTY)
- Cu (QTY)
- As (QTY)
- Pb Furnace (Media) (QTY)

Fungal Analysis
- Collection Apparatus for Sore Trap/ Air Samples:
- Collection Media:
  ☐ Sore Trap (QTY)
  ☐ Surface Vacuum Dust (QTY)
  ☐ Culturable ID Geus (Media) (QTY)
  ☐ Surface Tape (QTY)
  ☐ Culturable ID Species (Media) (QTY)
  ☐ Other (Specify) (QTY)

SAMPLE INFORMATION

<table>
<thead>
<tr>
<th>CLIENT ID NUMBER</th>
<th>SAMPLE LOCATION IDENTIFICATION</th>
<th>DATE</th>
<th>VOLUME (LITERS)</th>
<th>WEB AREA</th>
<th>ANALYSIS</th>
<th>MATRIX</th>
<th>CLIENT CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>623-31819-IN-A-8</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-A-9</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-A-10</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-A-11</td>
<td>Blue spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-B-1</td>
<td>Grey insulation + ceiling tile</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-C-1</td>
<td>Grey spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-C-2</td>
<td>Grey spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-C-3</td>
<td>Grey spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-C-4</td>
<td>Grey spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-C-5</td>
<td>Grey spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-C-6</td>
<td>Grey spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td>623-31819-IN-C-7</td>
<td>Grey spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
</tbody>
</table>

LABORATORY STAFF ONLY:
(CUSTODY)
1. Date/Time RCVD: / / @ Via: By (Print): Sign: 
2. Date/Time Analyzed: / / @ By (Print): Sign: 
3. Results Reported To: Via: Date: / / Time: Initials: 
4. Comments: 

LABORATORY STAFF ONLY:
(CUSTODY)
### CHAIN OF CUSTODY

**Submittal Information:**

1. **Job Name:**
2. **Job Location:**
3. **Job #:**
4. **Contact Person:**
5. **Submitted by:**

**Reporting Information:**

(Results will be provided as soon as technically feasible)

- **AFTER HOURS:**
  - Immediate Date Due: 
  - 24 Hours Time Due: 
  - Comments: 

- **NORMAL BUSINESS HOURS:**
  - Immediate
  - 1 Day
  - Next Day
  - 5 Day +
  - 2 Day

- **REPORT TO:**
  - Include COC/Field Data Sheets with Report
  - Email: 
  - Fax: 
  - Verbal: 

---

### Asbestos Analysis

**PCM Air**
- NIOSH 7400
- 

**TEM Air**
- AHRA
- NIOSH 7402
- Other (specify): 

**PLM Bulk**
- EPA 600 - Visual Estimate
- EPA Point Count
- NY State Friable 198.1
- Grav. Reduction ELAP 198.6
- Other (specify): 

**Misc**
- Vermiculite
- Asbestos Soil PLM (Qual) PLM (Quant) PLM TEM (Qual) PLM TEM (Quant) 

**TEM Bulk**
- ELAP 198.4/Chatfield
- NY State PLM/TEM
- Residual Ash

**TEM Dust**
- Qual. (pres/abs) Vacuum/Dust
- Regular Vacuum
- Qual. (area) Vacuum D5755-95
- Qual. (area) Dust D6480-99

**TEM Water**
- Qual. (pres/abs)
- ELAP 198.2/ELAP 100.2
- EPA 100.1

**Metals Analysis**
- Pb Paint Chip
- Pb Dust Wipe (wipe type)
- Pb Air
- Pb Soil/Solid
- Pb TCLP
- Drinking Water
- Waste Water
- Pb Furnace (Medias)

**Fungal Analysis**
- Collection Apparatus for Spore Traps/Air Samples
- Collection Media
- Spore-Traps
- Surface Vacuum Dust
- Surface Swab
- Culturable ID Genesis (Media)
- Culturable ID Species (Media)

---

### CLIENT CONTACT

- **LABORATORY STAFF ONLY:**
  - Date/Time RCVD: 
  - Date/Time Anal.: 
  - Via: 
  - By (Print): 
  - Sign: 

- **LABORATORY STAFF ONLY:**
  - Date/Time RCVD: 
  - Date/Time Anal.: 
  - Via: 
  - By (Print): 
  - Sign: 

- **LABORATORY STAFF ONLY:**
  - Date/Time RCVD: 
  - Date/Time Anal.: 
  - Via: 
  - By (Print): 
  - Sign: 

- **LABORATORY STAFF ONLY:**
  - Date/Time RCVD: 
  - Date/Time Anal.: 
  - Via: 
  - By (Print): 
  - Sign: 

---

### CLIENT INFORMATION

<table>
<thead>
<tr>
<th>CLIENT ID</th>
<th>SAMPLE INFORMATION</th>
<th>DATE</th>
<th>VOLUME (LITERS)</th>
<th>WIPE AREA</th>
<th>ANlaysis</th>
<th>MATRIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>623-31819-IN-C-8</td>
<td>Gray spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-IN-C-9</td>
<td>Gray spray on insulation</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-IN-D-1</td>
<td>White insulation on duct</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-A-1</td>
<td>3 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-A-2</td>
<td>3 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-A-3</td>
<td>3 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-A-4</td>
<td>3 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-A-5</td>
<td>3 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-A-6</td>
<td>3 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-A-7</td>
<td>3 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-B-1</td>
<td>6 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PF-PB-2</td>
<td>6 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### CHAIN OF CUSTODY

#### Mailing/Billing Information:
1. Client Name: 
2. Address 1: 
3. Address 2: 
4. Address 3: 
5. Phone #: 
   - Fax #: 

#### Submittal Information:
1. Job Name: 
2. Job Location: 
3. Job #: 
   - P.O. #:  
4. Contact Person: 
   - @ phone #: 
5. Submitted by: 
   - Signature: 

#### Reporting Information (Results will be provided as soon as technically feasible):
<table>
<thead>
<tr>
<th>AFTER HOURS (must be pre-scheduled)</th>
<th>NORMAL BUSINESS HOURS</th>
<th>REPORT TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Immediate Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Next Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Include COC/Field Data Sheets with Report</td>
</tr>
<tr>
<td>☐ 24 Hours Time Due: <em><strong>/</strong></em>/___</td>
<td>☐ 5 Day + Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Email: @</td>
</tr>
<tr>
<td>☐ 2 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Results Required By Noon (Every Attempt Will Be Made to Accomodate)</td>
<td>☐ Fax:</td>
</tr>
<tr>
<td>☐ 3 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ TEM Bulk: ☐ ELAP 198.4/Chaffield (QTY)</td>
<td>☐ Verbals:</td>
</tr>
<tr>
<td>☐ 4 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ TEM Dust: ☐ Qual. (pre/abs) Vacuum/Dust (QTY)</td>
<td></td>
</tr>
<tr>
<td>☐ 5 Day + Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ TEM Water: ☐ Qual. (pre/abs) (QTY)</td>
<td></td>
</tr>
<tr>
<td>☐ Results Required By Noon (Every Attempt Will Be Made to Accomodate)</td>
<td>☐ NY State PLM/TEM (QTY)</td>
<td>☐ Pb Paint Chip (QTY)</td>
</tr>
<tr>
<td>☐ 6 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Temperatures (QTY)</td>
<td>☐ Pb Dust Wipe (wipe type) (QTY)</td>
</tr>
<tr>
<td>☐ 7 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Residual Ash (QTY)</td>
<td>☐ Pb Air (QTY)</td>
</tr>
<tr>
<td>☐ 8 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Other (specify) (QTY)</td>
<td>☐ Pb Soil/Solid (QTY)</td>
</tr>
<tr>
<td>☐ 9 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ NY State Figgable 198.1 (QTY)</td>
<td>☐ Pb TCLP (QTY)</td>
</tr>
<tr>
<td>☐ 10 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Grav. Reduction ELAP 198.6 (QTY)</td>
<td>☐ Drinking Water Pb (QTY) Q Cu (QTY) Q As (QTY)</td>
</tr>
<tr>
<td>☐ 11 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Other (specify) (QTY)</td>
<td>☐ Waste Water Pb (QTY) Q Cu (QTY) Q As (QTY)</td>
</tr>
<tr>
<td>☐ 12 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ All samples received in good condition unless otherwise noted.</td>
<td>☐ Pb Furnace (QTY)</td>
</tr>
<tr>
<td>☐ 13 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ TEM water samples ___°C</td>
<td>☐ Fungal Analysis</td>
</tr>
<tr>
<td>☐ 14 Day Date Due: <em><strong>/</strong></em>/___</td>
<td>☐ Other Specify (QTY)</td>
<td></td>
</tr>
</tbody>
</table>

#### CLIENT ID NUMBER: 623-31819-PF-B-4

<table>
<thead>
<tr>
<th>SAMPLE INFORMATION</th>
<th>SAMPLE LOCATION/IDENTIFICATION</th>
<th>DATE</th>
<th>VOLUME (LITERS)</th>
<th>WIPE AREA</th>
<th>ANALYSIS</th>
<th>MATRIX</th>
<th>CLIENT CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLIENT INFORMATION</td>
<td>6 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td></td>
<td>12 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td></td>
<td>12 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td></td>
<td>12 in. pipe fitting</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td></td>
<td>Yellow carpet mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td></td>
<td>Yellow carpet mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td></td>
<td>Yellow carpet mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
<tr>
<td></td>
<td>Yellow carpet mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Date/Time: Contact: By:</td>
</tr>
</tbody>
</table>

#### LABORATORY STAFF ONLY: (CUSTODY)
1. Date/Time RCV'D: ___/___/___ @ ____ By: (Print): Sign: 
2. Date/Time Analyzed: ___/___/___ @ ____ By: (Print): Sign: 
3. Results Reported To: Via: __________ Date: ___/___/___ Time: __________ Initials: 
4. Comments:
**CHAIN OF CUSTODY**

**Submittal Information:**
1. Job Name: ____________________________
2. Job Location: _________________________
3. Job #: ________________________________ P.O. #: ____________________ Phone #: __________________
4. Contact Person: ________________________ Phone #: ____________________ Sign: ________________________
5. Submitted by: _________________________ Signature: ________________________

**Reporting Information (Results will be provided as soon as technically feasible):**

<table>
<thead>
<tr>
<th>AFTER HOURS (must be pre-scheduled)</th>
<th>NORMAL BUSINESS HOURS</th>
<th>REPORT TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>❑ Immediate Date Due: _____________</td>
<td>❑ 3 Day Results Required By Noon (Every Attempt Will Be Made to Accomodate)</td>
<td>❑ Include COC/Field Data Sheets with Report</td>
</tr>
<tr>
<td>❑ 24 Hours Time Due: ____________</td>
<td>❑ Next Day Results Required By Noon (Every Attempt Will Be Made to Accomodate)</td>
<td>❑ Email: ____________________ @ ____________________</td>
</tr>
<tr>
<td>Comments: ________________________</td>
<td>❑ 2 Day Results Required By Noon (Every Attempt Will Be Made to Accomodate)</td>
<td>❑ Fax: ____________________</td>
</tr>
<tr>
<td>❑ Immediate Date Due: _____________</td>
<td>❑ 2 Day Results Required By Noon (Every Attempt Will Be Made to Accomodate)</td>
<td>❑ Verbal: ____________________</td>
</tr>
</tbody>
</table>

**Asbestos Analysis**
- **PCM Air** - Please Indicate Filter Type:
  - NIOSH 7400 (QTY)
  - Fiberglass (QTY)
- **TEM Air** - Please Indicate Filter Type:
  - AHERA (QTY)
  - NIOSH 7402 (QTY)
  - Other (specify) (QTY)
- **PLM Bulk**
  - EPA 600 - Visual Estimate (QTY)
  - EPA Point Count (QTY)
  - NY State Friable 198.1 (QTY)
  - Grav. Reduction ELAP 198.6 (QTY)
  - Other (specify) (QTY)
- **Misc**
  - Vermiculite
  - Asbestos Soil PLM (QTY)

**Metals Analysis**
- **TEM Bulk**
  - ELAP 198.4/Chatfield (QTY)
  - NY State PLM/TEM (QTY)
  - Residual Ash (QTY)
- **TEM Dust**
  - Qual. (pres/abs) Vacuum/Dust (QTY)
  - Qual. (s/area) Vacuum D57535-95 (QTY)
  - Qual. (s/area) Dust D6480-99 (QTY)
- **TEM Water**
  - Qual. (pres/abs) (QTY)
  - ELAP 198.2/PLM/100.2 (QTY)
  - EPA 100.1 (QTY)
- **Misc**
  - All samples received in good condition unless otherwise noted.
  - TEM Water samples °C

**Fungal Analysis**
- Collection Apparatus for Spore Traps/Air Samples:
  - Collection Media
  - Spore Trap (QTY)
  - Surface Vacuum Dust (QTY)
  - Surface Swab (QTY)
  - Culturable ID Genus (Media) (QTY)
  - Surface Tape (QTY)
  - Culturable ID Species (Media) (QTY)
  - Other (Specify) (QTY)

**LABORATORY STAFF ONLY**

<table>
<thead>
<tr>
<th>CLIENT ID NUMBER</th>
<th>SAMPLE INFORMATION</th>
<th>DATE</th>
<th>VOLUME (LITERS)</th>
<th>WIPE AREA</th>
<th>ANALYSIS</th>
<th>MATRIX</th>
<th>CLIENT CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>623-31819-CM-A-7</td>
<td>Yellow carpet mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CM-B-1</td>
<td>Gray carpet mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CM-C-1</td>
<td>Light brown carpet mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CM-D-1</td>
<td>Multi-color carpet mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-DM-B-1</td>
<td>Tan duct mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CM-B-2</td>
<td>Tan duct mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-CM-C-1</td>
<td>White duct mastic</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PL-A-3</td>
<td>Plaster wall above ceiling</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>623-31819-PL-A-4</td>
<td>Mastic glue on duct insul.</td>
<td>3/18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Date/Time RCVD: / / @ Via: By: Sign: __________
2. Date/Time Analyzed: / / @ By (Print): Sign: __________
3. Results Reported To: Via: Date: / / Time: ____________ Initials: __________
# Chain of Custody

### Mailing/Billing Information:
1. Client Name: 
2. Address 1: 
3. Address 2: 
4. Address 3: 
5. Phone #: Fax #: 

### Submitting Information:
1. Job Name: 
2. Job Location: 
3. Job #: 
4. Contact Person: @ phone #: 
5. Submitted by: 
6. Signature: 

### Reporting Information (Results will be provided as soon as technically feasible):
- Immediate: 3 Day / 5 Day + Results Required By Noon
- Normal Business Hours: Made to Accomodate
- After Hours (must be pre-scheduled)
- Include COC/Field Data Sheets with Report
- Email: 
- Fax: 
- Verbals: 

### Asbestos Analysis
- PPM Air - Please Indicate Filter Type: 
  - NIOSH 7400 (QTY)
  - Fiberglass (QTY)
- TEM Air - Please Indicate Filter Type: 
  - AMERICA (QTY)
  - NIOSH 7402 (QTY)
  - Other (specify) (QTY)
- PLM Bulk: 
  - EPA 600 - Visual Estimate (QTY)
  - EPA Point Count (QTY)
  - NY State Firable 198.1 (QTY)
  - Grav. Reduction ELAP 198.6 (QTY)
  - Other (specify) (QTY)

### Metals Analysis
- TEM Bulk: 
  - ELAP 198.1/Chatfield (QTY)
  - NY State PLM/TEM (QTY)
  - Residual Ash (QTY)
  - Qual. (pres/abs) Vacuum/Dust (QTY)
  - Qual. (area) Vacuum E357S5 95 (QTY)
- TEM Dust: 
  - Qual. (area) Dust D6480-99 (QTY)
  - Qual. (pres/abs) (QTY)
  - EPA 198.1/EP 100.2 (QTY)
  - Other (specify) (QTY)

### Fungal Analysis
- Collection Apparatus for Spore Traps/Air Samples:
  - Collection Media (QTY)
  - Spore-Trap (QTY)
  - Surface Vacuum Dust (QTY)
  - Surface Swab (QTY)
  - Culturable ID Genus (Media) (QTY)

### CLIENT CONTACT
- Date/Time: 
- Contact: 
- By: 
- Date/Time: 
- Contact: 
- By: 
- Date/Time: 
- Contact: 
- By: 

---

### LABORATORY STAFF ONLY:
1. Date/Time RCVD: / / @ Via: By (Print): Sign: 
2. Date/Time Analyzed: / / @ By (Print): Sign: 
3. Results Reported To: 
  - Via: 
  - Date: / / Time: 
4. Comments: 

---

### Client ID Number
- 623-31199-BM-1: Black mastic/insulation 3/18
- 623-32119-IN-E-1: Gray and white insulation 3/21
- 623-32119-IN-C-10: Gray spray on insulation 3/21
- 623-32119-PF-A-8: 3m pipe fitting 3/21
Appendix B: XRF Results with Descriptions
<table>
<thead>
<tr>
<th>Reading No</th>
<th>Time</th>
<th>Units</th>
<th>COMPONENT</th>
<th>SUBSTRATE</th>
<th>SIDE</th>
<th>CONDITION</th>
<th>COLOR</th>
<th>SITE</th>
<th>INSPECTOR</th>
<th>FLOOR</th>
<th>ROOM</th>
<th>Results</th>
<th>AL</th>
<th>PbC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3/21/2019 5:50</td>
<td>cps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3/21/2019 5:53</td>
<td>mg / cm^2</td>
<td>CALIBRATE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Positive</td>
<td>0.7</td>
<td>1.2</td>
</tr>
<tr>
<td>3</td>
<td>3/21/2019 5:53</td>
<td>mg / cm^2</td>
<td>CALIBRATE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Positive</td>
<td>0.7</td>
<td>1.1</td>
</tr>
<tr>
<td>4</td>
<td>3/21/2019 5:54</td>
<td>mg / cm^2</td>
<td>CALIBRATE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Positive</td>
<td>0.7</td>
<td>0.9</td>
</tr>
<tr>
<td>5</td>
<td>3/21/2019 5:55</td>
<td>mg / cm^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>ABOVE CEILING</td>
<td>INTACT</td>
<td>RED</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>BATHROOM W</td>
<td>Positive</td>
<td>0.7</td>
<td>3.4</td>
</tr>
<tr>
<td>6</td>
<td>3/21/2019 5:56</td>
<td>mg / cm^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>ABOVE CEILING</td>
<td>INTACT</td>
<td>RED</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>BATHROOM M</td>
<td>Positive</td>
<td>0.7</td>
<td>6.7</td>
</tr>
<tr>
<td>7</td>
<td>3/21/2019 6:00</td>
<td>mg / cm^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>ABOVE CEILING</td>
<td>INTACT</td>
<td>RED</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>BATHROOM M</td>
<td>Positive</td>
<td>0.7</td>
<td>6.1</td>
</tr>
<tr>
<td>8</td>
<td>3/21/2019 6:02</td>
<td>mg / cm^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>ABOVE CEILING</td>
<td>INTACT</td>
<td>RED</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>BATHROOM W</td>
<td>Positive</td>
<td>0.7</td>
<td>4.6</td>
</tr>
<tr>
<td>9</td>
<td>3/21/2019 6:06</td>
<td>mg / cm^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>ABOVE CEILING</td>
<td>INTACT</td>
<td>RED</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>BATHROOM M</td>
<td>Positive</td>
<td>0.7</td>
<td>3.4</td>
</tr>
<tr>
<td>10</td>
<td>3/21/2019 6:08</td>
<td>mg / cm^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>ABOVE CEILING</td>
<td>INTACT</td>
<td>RED</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>BATHROOM W</td>
<td>Positive</td>
<td>0.7</td>
<td>1.4</td>
</tr>
<tr>
<td>11</td>
<td>3/21/2019 6:13</td>
<td>mg / cm^2</td>
<td>DOOR CASE</td>
<td>METAL</td>
<td>B</td>
<td>INTACT</td>
<td>GREY</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>NEXT TO STAIR 1 ENTRANCE</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>12</td>
<td>3/21/2019 6:14</td>
<td>mg / cm^2</td>
<td>DOOR CASE</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>GREY</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU316</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>13</td>
<td>3/21/2019 6:16</td>
<td>mg / cm^2</td>
<td>DOOR CASE</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>GREY</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU313B</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>14</td>
<td>3/21/2019 6:17</td>
<td>mg / cm^2</td>
<td>DOOR</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>BEIGE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU313B</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>15</td>
<td>3/21/2019 6:19</td>
<td>mg / cm^2</td>
<td>DOOR CASE</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU309</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>16</td>
<td>3/21/2019 6:21</td>
<td>mg / cm^2</td>
<td>WINDOW CASE</td>
<td>METAL</td>
<td>D</td>
<td>INTACT</td>
<td>GREY</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU314</td>
<td>Negative</td>
<td>0.7</td>
<td>-0.04</td>
</tr>
<tr>
<td>17</td>
<td>3/21/2019 6:25</td>
<td>mg / cm^2</td>
<td>DOOR CASE</td>
<td>WOOD</td>
<td>B</td>
<td>INTACT</td>
<td>BLACK</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>UU226</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>18</td>
<td>3/21/2019 6:26</td>
<td>mg / cm^2</td>
<td>DOOR CASE</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>UU226A</td>
<td>Negative</td>
<td>0.7</td>
<td>0.04</td>
</tr>
<tr>
<td>19</td>
<td>3/21/2019 6:27</td>
<td>mg / cm^2</td>
<td>WALL</td>
<td>CONCRETE</td>
<td>A</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>UU226</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>20</td>
<td>3/21/2019 6:30</td>
<td>mg / cm^2</td>
<td>WALL</td>
<td>CONCRETE</td>
<td>D</td>
<td>INTACT</td>
<td>GREEN</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>UU246</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>21</td>
<td>3/21/2019 6:30</td>
<td>mg / cm^2</td>
<td>WALL</td>
<td>CONCRETE</td>
<td>A</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>UU246</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>ID</td>
<td>Date</td>
<td>mg/cm²</td>
<td>Type</td>
<td>Material</td>
<td>Color</td>
<td>Description</td>
<td>Location</td>
<td>Job</td>
<td>Second</td>
<td>Segment</td>
<td>Notes</td>
<td>mg/cm²</td>
<td>Result</td>
<td></td>
</tr>
<tr>
<td>----</td>
<td>------------</td>
<td>--------</td>
<td>--------</td>
<td>----------</td>
<td>--------</td>
<td>-------------</td>
<td>---------------</td>
<td>-----</td>
<td>--------</td>
<td>---------</td>
<td>-------------</td>
<td>--------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>3/21/2019 6:31</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>White</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Second</td>
<td>UU246</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>23</td>
<td>3/21/2019 6:33</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Second</td>
<td>Bathroom M</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>24</td>
<td>3/21/2019 6:34</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>B</td>
<td>Intact</td>
<td>Blue</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Second</td>
<td>UU223</td>
<td>Negative</td>
<td>0.7</td>
<td>0.02</td>
</tr>
<tr>
<td>25</td>
<td>3/21/2019 6:37</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Second</td>
<td>UU223</td>
<td>Negative</td>
<td>0.7</td>
<td>0.1</td>
</tr>
<tr>
<td>26</td>
<td>3/21/2019 6:39</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Wood</td>
<td>B</td>
<td>Intact</td>
<td>Black</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Second</td>
<td>UU232</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>27</td>
<td>3/21/2019 6:41</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Second</td>
<td>UU211B</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>28</td>
<td>3/21/2019 6:44</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>D</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Second</td>
<td>UU212A</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>29</td>
<td>3/21/2019 6:48</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>First</td>
<td>UU111</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>30</td>
<td>3/21/2019 6:51</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>First</td>
<td>Stair 1</td>
<td>Negative</td>
<td>0.7</td>
<td>0.03</td>
</tr>
<tr>
<td>31</td>
<td>3/21/2019 6:54</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>First</td>
<td>Stair 1</td>
<td>Negative</td>
<td>0.7</td>
<td>0.02</td>
</tr>
<tr>
<td>32</td>
<td>3/21/2019 6:55</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>First</td>
<td>Stair 1</td>
<td>Negative</td>
<td>0.7</td>
<td>0.06</td>
</tr>
<tr>
<td>33</td>
<td>3/21/2019 6:56</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>First</td>
<td>Stair 1</td>
<td>Negative</td>
<td>0.7</td>
<td>0.06</td>
</tr>
<tr>
<td>34</td>
<td>3/21/2019 6:59</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>C</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2</td>
<td>Negative</td>
<td>0.7</td>
<td>0.02</td>
</tr>
<tr>
<td>35</td>
<td>3/21/2019 7:00</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>36</td>
<td>3/21/2019 7:01</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>37</td>
<td>3/21/2019 7:03</td>
<td>mg/cm²</td>
<td>Railing</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2 (Mech Space)</td>
<td>Positive</td>
<td>0.7</td>
<td>6.9</td>
</tr>
<tr>
<td>38</td>
<td>3/21/2019 7:03</td>
<td>mg/cm²</td>
<td>Step/Tread</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Orange</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2 (Mech Space)</td>
<td>Positive</td>
<td>0.7</td>
<td>1</td>
</tr>
<tr>
<td>39</td>
<td>3/21/2019 7:05</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2 (Mech Space)</td>
<td>Negative</td>
<td>0.7</td>
<td>0.05</td>
</tr>
<tr>
<td>40</td>
<td>3/21/2019 7:06</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Grey</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2 (Mech Space)</td>
<td>Negative</td>
<td>0.7</td>
<td>0.03</td>
</tr>
<tr>
<td>41</td>
<td>3/21/2019 7:07</td>
<td>mg/cm²</td>
<td>Door</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Lt Brown</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2 (Mech Space)</td>
<td>Negative</td>
<td>0.7</td>
<td>0.04</td>
</tr>
<tr>
<td>42</td>
<td>3/21/2019 7:08</td>
<td>mg/cm²</td>
<td>Stringer</td>
<td>Metal</td>
<td>B</td>
<td>Intact</td>
<td>Red</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 2 (Mech Space)</td>
<td>Positive</td>
<td>0.7</td>
<td>4.3</td>
</tr>
<tr>
<td>43</td>
<td>3/21/2019 7:11</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Brown</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 3</td>
<td>Negative</td>
<td>0.7</td>
<td>0.02</td>
</tr>
<tr>
<td>44</td>
<td>3/21/2019 7:12</td>
<td>mg/cm²</td>
<td>Door Case</td>
<td>Metal</td>
<td>A</td>
<td>Intact</td>
<td>Brown</td>
<td>19-623 Towson Union</td>
<td>Woerner</td>
<td>Third</td>
<td>Stair 3</td>
<td>Negative</td>
<td>0.7</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>Date</td>
<td>Time</td>
<td>Type</td>
<td>Location</td>
<td>Condition</td>
<td>Description</td>
<td>Location</td>
<td>Additions</td>
<td>Notes</td>
<td>Value 1</td>
<td>Value 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---------------</td>
<td>------------</td>
<td>-----------</td>
<td>----------</td>
<td>-----------</td>
<td>-------------</td>
<td>----------</td>
<td>--------------------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>3/21/2019</td>
<td>7:14</td>
<td>FLOOR</td>
<td>19-623</td>
<td>LOWER</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU334</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>49</td>
<td>3/21/2019</td>
<td>7:15</td>
<td>WALL</td>
<td>19-623</td>
<td>LOWER</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU334</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>50</td>
<td>3/21/2019</td>
<td>7:16</td>
<td>WALL</td>
<td>19-623</td>
<td>LOWER</td>
<td>INTACT</td>
<td>BEIGE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>STAIR 3</td>
<td>Negative</td>
<td>0.7</td>
<td>0.03</td>
</tr>
<tr>
<td>51</td>
<td>3/21/2019</td>
<td>7:19</td>
<td>DOOR CASE</td>
<td>19-623</td>
<td>LOWER</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU392</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>52</td>
<td>3/21/2019</td>
<td>7:20</td>
<td>DOOR CASE</td>
<td>19-623</td>
<td>A</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU391</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>53</td>
<td>3/21/2019</td>
<td>7:21</td>
<td>WALL</td>
<td>19-623</td>
<td>CONCRETE</td>
<td>A</td>
<td>INTACT</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU392</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>54</td>
<td>3/21/2019</td>
<td>7:22</td>
<td>WALL</td>
<td>19-623</td>
<td>DRYWALL</td>
<td>D</td>
<td>INTACT</td>
<td>BLUE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU392</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>55</td>
<td>3/21/2019</td>
<td>7:23</td>
<td>WALL</td>
<td>19-623</td>
<td>DRYWALL</td>
<td>A</td>
<td>INTACT</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU391</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>56</td>
<td>3/21/2019</td>
<td>7:24</td>
<td>WALL</td>
<td>19-623</td>
<td>CONCRETE</td>
<td>D</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU391</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>57</td>
<td>3/21/2019</td>
<td>7:26</td>
<td>WALL</td>
<td>19-623</td>
<td>CONCRETE</td>
<td>D</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU3908</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>58</td>
<td>3/21/2019</td>
<td>7:27</td>
<td>DOOR CASE</td>
<td>19-623</td>
<td>WOOD</td>
<td>C</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU304</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>59</td>
<td>3/21/2019</td>
<td>7:28</td>
<td>DOOR CASE</td>
<td>19-623</td>
<td>WOOD</td>
<td>C</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU3908</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>60</td>
<td>3/21/2019</td>
<td>7:30</td>
<td>DOOR CASE</td>
<td>19-623</td>
<td>WOOD</td>
<td>C</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU390</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>61</td>
<td>3/21/2019</td>
<td>7:33</td>
<td>RAILING</td>
<td>19-623</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>RED</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>STAIR 4</td>
<td>Positive</td>
<td>0.7</td>
</tr>
<tr>
<td>62</td>
<td>3/21/2019</td>
<td>7:34</td>
<td>STEP/TREAD</td>
<td>19-623</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>ORANGE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>STAIR 4</td>
<td>Positive</td>
<td>0.7</td>
</tr>
<tr>
<td>63</td>
<td>3/21/2019</td>
<td>7:35</td>
<td>STRINGER</td>
<td>19-623</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>RED</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>STAIR 4</td>
<td>Positive</td>
<td>0.7</td>
</tr>
<tr>
<td>64</td>
<td>3/21/2019</td>
<td>7:36</td>
<td>BEAM</td>
<td>19-623</td>
<td>METAL</td>
<td>CEILING</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>STAIR 4</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>65</td>
<td>3/21/2019</td>
<td>7:37</td>
<td>BEAM</td>
<td>19-623</td>
<td>METAL</td>
<td>CEILING</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>STAIR 4</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>66</td>
<td>3/21/2019</td>
<td>7:43</td>
<td>WALL</td>
<td>19-623</td>
<td>DRYWALL</td>
<td>CEILING</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU335</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>67</td>
<td>3/21/2019</td>
<td>7:44</td>
<td>COLUMN</td>
<td>19-623</td>
<td>METAL</td>
<td>B</td>
<td>INTACT</td>
<td>GREY</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>UU335</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>68</td>
<td>3/21/2019</td>
<td>7:47</td>
<td>WALL</td>
<td>19-623</td>
<td>DRYWALL</td>
<td>A</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>CHES 1</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>69</td>
<td>3/21/2019</td>
<td>7:54</td>
<td>WALL</td>
<td>19-623</td>
<td>CONCRETE</td>
<td>A</td>
<td>INTACT</td>
<td>CREAM</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>CHES 1</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>70</td>
<td>3/21/2019</td>
<td>7:55</td>
<td>DOOR CASE</td>
<td>19-623</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>CREAM</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>THIRD</td>
<td>CHES 1</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>71</td>
<td>3/21/2019</td>
<td>8:06</td>
<td>DOOR CASE</td>
<td>19-623</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>CREAM</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>STAIR 3</td>
<td>Negative</td>
<td>0.7</td>
</tr>
<tr>
<td>Reading No</td>
<td>Time</td>
<td>Units</td>
<td>COMPONENT</td>
<td>SUBSTRATE</td>
<td>SIDE</td>
<td>CONDITION</td>
<td>COLOR</td>
<td>SITE</td>
<td>INSPECTOR</td>
<td>FLOOR</td>
<td>ROOM</td>
<td>Results</td>
<td>AL</td>
<td>Pbc</td>
</tr>
<tr>
<td>-----------</td>
<td>---------------</td>
<td>--------------</td>
<td>----------------</td>
<td>-----------</td>
<td>--------</td>
<td>-----------</td>
<td>-------</td>
<td>----------------------------</td>
<td>------------</td>
<td>-------</td>
<td>-----------</td>
<td>---------</td>
<td>-----</td>
<td>-------</td>
</tr>
<tr>
<td>1</td>
<td>2019-03-25 7:28</td>
<td>mg / cm ^2</td>
<td>DOOR</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>CREAM</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>STAIR 3</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>2019-03-25 8:07</td>
<td>mg / cm ^2</td>
<td>STRINGER</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>STAIR 3</td>
<td>Positive</td>
<td>0.7</td>
<td>8.2</td>
</tr>
<tr>
<td>3</td>
<td>2019-03-25 8:09</td>
<td>mg / cm ^2</td>
<td>WALL STRINGER</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>BLACK</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>STAIR 2</td>
<td>Positive</td>
<td>0.7</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>2019-03-25 8:11</td>
<td>mg / cm ^2</td>
<td>WALL STRINGER</td>
<td>METAL</td>
<td>C</td>
<td>INTACT</td>
<td>BLACK</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>SECOND</td>
<td>STAIR 1</td>
<td>Positive</td>
<td>0.7</td>
<td>6.6</td>
</tr>
<tr>
<td>5</td>
<td>2019-03-25 8:14</td>
<td>mg / cm ^2</td>
<td>WALL</td>
<td>CONCRETE</td>
<td>B</td>
<td>INTACT</td>
<td>BLUE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>MAIL ROOM</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>6</td>
<td>2019-03-25 8:15</td>
<td>mg / cm ^2</td>
<td>WALL</td>
<td>WOOD</td>
<td>B</td>
<td>INTACT</td>
<td>BEIGE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>MAIL ROOM</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>7</td>
<td>2019-03-25 8:15</td>
<td>mg / cm ^2</td>
<td>WALL</td>
<td>CONCRETE</td>
<td>A</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>MAIL ROOM</td>
<td>Negative</td>
<td>0.7</td>
<td>0.01</td>
</tr>
<tr>
<td>8</td>
<td>2019-03-25 8:16</td>
<td>mg / cm ^2</td>
<td>DOOR CASE</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>BLUE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>MAIL ROOM</td>
<td>Negative</td>
<td>0.7</td>
<td>0.02</td>
</tr>
<tr>
<td>9</td>
<td>2019-03-25 8:17</td>
<td>mg / cm ^2</td>
<td>WALL</td>
<td>PLASTER</td>
<td>A</td>
<td>INTACT</td>
<td>WHITE</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>MAIL ROOM</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>2019-03-25 8:21</td>
<td>mg / cm ^2</td>
<td>BAR TABLE</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>GREY</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>PAWS</td>
<td>Negative</td>
<td>0.7</td>
<td>0</td>
</tr>
<tr>
<td>11</td>
<td>2019-03-25 8:24</td>
<td>mg / cm ^2</td>
<td>BAR TABLE</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>GREY</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>PAWS</td>
<td>Positive</td>
<td>0.7</td>
<td>1.1</td>
</tr>
<tr>
<td>12</td>
<td>2019-03-25 8:24</td>
<td>mg / cm ^2</td>
<td>BAR TABLE</td>
<td>METAL</td>
<td>A</td>
<td>INTACT</td>
<td>GREY</td>
<td>19-623 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>PAWS</td>
<td>Positive</td>
<td>0.7</td>
<td>1.1</td>
</tr>
</tbody>
</table>

XRF Measurements on 3/25/19

<table>
<thead>
<tr>
<th>Reading No</th>
<th>Time</th>
<th>Units</th>
<th>COMPONENT</th>
<th>SUBSTRATE</th>
<th>SIDE</th>
<th>CONDITION</th>
<th>COLOR</th>
<th>SITE</th>
<th>INSPECTOR</th>
<th>FLOOR</th>
<th>ROOM</th>
<th>Results</th>
<th>AL</th>
<th>Pbc</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2019-03-25 7:28</td>
<td>mg / cm ^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>UPER</td>
<td>INTACT</td>
<td>RED</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>128C</td>
<td>Negative</td>
<td>0.7</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>2019-03-25 7:28</td>
<td>mg / cm ^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>UPER</td>
<td>INTACT</td>
<td>RED</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>128C</td>
<td>Negative</td>
<td>0.7</td>
<td>0.14</td>
</tr>
<tr>
<td></td>
<td>2019-03-25 7:28</td>
<td>mg / cm ^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>UPER</td>
<td>INTACT</td>
<td>RED</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>128C</td>
<td>Negative</td>
<td>0.7</td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td>2019-03-25 7:48</td>
<td>mg / cm ^2</td>
<td>BEAM</td>
<td>METAL</td>
<td>UPER</td>
<td>INTACT</td>
<td>RED</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>128C</td>
<td>Negative</td>
<td>0.7</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>2019-03-25 7:54</td>
<td>mg / cm ^2</td>
<td>WINDOW SILL</td>
<td>METAL</td>
<td>B</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>102</td>
<td>Negative</td>
<td>0.7</td>
<td>0.19</td>
</tr>
<tr>
<td></td>
<td>2019-03-25 7:54</td>
<td>mg / cm ^2</td>
<td>WINDOW SILL</td>
<td>METAL</td>
<td>B</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>102</td>
<td>Negative</td>
<td>0.7</td>
<td>0.16</td>
</tr>
<tr>
<td></td>
<td>2019-03-25 7:54</td>
<td>mg / cm ^2</td>
<td>WINDOW SILL</td>
<td>METAL</td>
<td>B</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>102</td>
<td>Negative</td>
<td>0.7</td>
<td>0.21</td>
</tr>
<tr>
<td></td>
<td>2019-03-25 7:54</td>
<td>mg / cm ^2</td>
<td>WINDOW SILL</td>
<td>METAL</td>
<td>B</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>102</td>
<td>Negative</td>
<td>0.7</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>2019-03-25 7:54</td>
<td>mg / cm ^2</td>
<td>WINDOW SILL</td>
<td>METAL</td>
<td>B</td>
<td>INTACT</td>
<td>BROWN</td>
<td>19-642 TOWSON UNION</td>
<td>WOERNER</td>
<td>FIRST</td>
<td>102</td>
<td>Negative</td>
<td>0.7</td>
<td>1.1</td>
</tr>
</tbody>
</table>

ATI Job 19-623
Towson Union HAZMAT
April 2019
Appendix C: Industrial Hygienist Asbestos and Lead Credentials
AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

ANDREW WOERNER

has met the attendance requirements and successfully completed the course entitled

3-DAY EPA ASBESTOS INSPECTOR

For Accreditation Under TSCA Title II

06/11/2018 to 06/13/2018
Course Date

06/13/2018
Exam Date

6/13/2019
Expiration Date

STEVE SIERACKI
Principal Instructor

E. Rush Barnett
Course Director

1331 Ashton Road
Hanover, MD 21076
P: 410-684-3327
F: 410-684-3724
www.amatraining.com
THIS IS TO CERTIFY THAT
Andrew Fred Woerner

HAS MET THE LEAD PAINT SERVICES
ACCREDITATION REQUIREMENTS FOR

Inspector Technician

EXPIRATION DATE 09 13 2020

Aerosol Monitoring & Analysis, Inc.

TRAINING PROVIDER 08 27 2018

COURSE DATE

ADMINISTRATOR, LEAD PAINT ACCREDITATION
MARYLAND DEPARTMENT OF THE ENVIRONMENT

STATE OF MARYLAND

Certificate # 17188

Application for reaccreditation shall be submitted to MDE 60 days prior to accreditation expiration indicated on this certificate.
Certificate of Achievement
Awarded to
Don Samappriya Wanigasundara

In recognition of successful completion of the course entitled

ASBESTOS BUILDING INSPECTOR REVIEW

A 4-Hour annual review program of study presented in accordance with the provisions of the U.S Environmental Protection Agency Model Accreditation Plan 40 CFR Part 763, Appendix C to SUBPART E, for Accreditation under TSCA Title II

18-539
Certificate Number

August 21, 2018
Course Date

August 21, 2018
Examination Date

9231 Rumsey Road Columbia, Maryland 21045  410-381-0232 (O)  410-381-8908 (F)

Clayton Miller
Course Instructor/ Director

August 21, 2019
Expiration Date
Appendix D: Drawings of ACM and Pb Locations
No Asbestos Detected

DRAWING 1: INSULATION SAMPLING

Positive Asbestos Material

No Asbestos Detected
DRAWING 1: INSULATION SAMPLING

- Positive Asbestos Material
- No Asbestos Detected
DRAWING 1: INSULATION SAMPLING

- **Positive Asbestos Material**
- **No Asbestos Detected**

UNIVERSITY UNION  
THIRD FLOOR  
32,228 SQ FT
DRAWING 1: INSULATION SAMPLING

- **Positive Asbestos Material**
- **No Asbestos Detected**

**UNIVERSITY UNION**

**ROOF PLAN**

4,206 SQ FT IN PENTHOUSE AREAS
DRAWING 2: POSITIVE ASBESTOS AND LEAD-BASED PAINT

- **Red** Positive Asbestos Material
- **Orange** Lead Based-Paint

**UNIVERSITY UNION**

SECOND FLOOR

56,456 SQ FT
DRAWING 2: POSITIVE ASBESTOS AND LEAD-BASED PAINT

- **Positive Asbestos Material**
- **Lead Based-Paint**
UNIVERSITY UNION EXPANSION & RENOVATION
Towson University, Towson, MD 21252

CONFORMED SET, 10-31-2018
Volume 1 of 3
General, Civil, Landscaping, Structural, Architecture
DEMO STOREFRONT AND ATM TO REMAIN IN PHASE 1B, DEMO IN PHASE 2

EXISTING ITEM TO REMAIN
EXISTING DOOR / FRAME TO EXISTING ITEM TO REMAIN
EXISTING DOOR / FRAME TO EXISTING ITEM TO REMAIN AND BE ASSOCIATED SITE WALLS

REMOVAL OF ITEMS TO BE COMPLETED IN PHASE 2 (B)
DEMO EXISTING STAIR AND X5.3

DEMO EXISTING CURB TO REMAIN

ALTERNATE #5: DEMO 1/8" = 1'-0"

MATCH LINE XJ IN THIS AREA PRIOR TO

PREP & KITCHEN SUSQUEHANNA

24 PATUX. WALK-IN REFRIG.

7 CORRIDOR 240A

7 WAREWASHING 240M

7 SUSQ. SHARED WALK-IN REFRIG. 200G

7 ADMIN. OFFICE 240N

7 CAMPUS POLICE ROOM 200F

7 ELEC. ROOM 200H

7 WALK-IN COOLER 240-1 240F

7 DINING - 7\n
7 TERRACE AREA TO REMAIN

7 FLOOR SLAB OVER GREEK ORG. OFFICE

7 REMAIN

7 EXIST BASEMENT AREA TO REMAIN

7 FLOOR SLAB OVER GREEK AREA TO REMAIN

7 BRICK WALL OR COLUMN ENCLOSURE TO REMAIN.

7 REMOVE HANDRAILS & BRACKETS. PATCH & REPAIR

7 REMOVE TILE ON WALL. PATCH & REPAIR DRYWALL.

7 REMOVE AND SALVAGE MAILBOX UNITS.

7 REMOVE STONE WALLS (FULL & PARTIAL HEIGHT)

7 REMOVE SECTION OF MASONRY, INSTALL LINTEL AT

7 REMOVE STOREFRONT, CURTAINWALL, OR WINDOW

7 REMOVE DOOR AND HARDWARE. DOOR FRAME TO

7 REMOVE CARPET AND/OR VINYL FLOORING

7 REMOVE FLOOR DECK & BEAMS TO CREATE OPENING

7 CREATE OPENING IN METAL STUD PARTITION. FRAME

7 REMOVE EQUIPMENT AND/OR FURNISHINGS.

7 REMOVE TILE FLOORING.

7 REMOVE & SALVAGE DISPLAY CASE.

7 REMOVE & SALVAGE SHELVING & OTHER WALL MOUNTED ITEMS

7 REMOVE ASSOCIATED MATERIALS SUCH AS ELECTRICAL PLATES AND HARDWARE.

7 REMOVE PANELING, WALL TRIM, SIGNAGE, SURFACES AND ASSEMBLIES INDICATED TO

7 REMOVE NO MORE MATERIAL WHERE PARTIAL DEMOLITION OF ITEMS IS

7 OPENING TO BE COORDINATED WITH ACCESS TO REMAIN. PATCH, REPAIR, & PAINT FRAME.

7 REMOVE ABANDONED PIPING AND CONDUIT

7 REMOVE ASSOCIATED MATERIALS SUCH AS HOLES IN FLOOR & WALLS.

7 REMOVE ASSEMBLIES INDICATED TO PROTECT AND MAINTAIN ADJACENT BUILDING SUPPORTING COMPONENTS.

7 REMOVE ASTOUNDING SUPPORTS FROM DRAWINGS RELATING TO BE REMOVED.

7 REMOVE PANELING, WALL TRIM, SIGNAGE, SURFACES AND ASSEMBLIES INDICATED TO PROTECT AND MAINTAIN ADJACENT BUILDING SUPPORTING COMPONENTS.

7 REMOVE ASSEMBLIES INDICATED TO PREVENT DISCREPANCIES IN THE CONTRACT DOCUMENTS

7 REMOVE ASSEMBLIES INDICATED TO PROTECT FROM DAMAGE DUE TO WORK INJURY TO PEOPLE, TRANSMISSION OF DUST & OTHER PROTECTION REQUIRED TO PREVENT DUST

7 PROVIDE TEMPORARY BARRICADES AND GUARDIANS TO PROTECT WORKERS DURING CONSTRUCTION ACTIVITIES.

7 REMOVE ASSEMBLIES INDICATED TO PROTECT FROM DAMAGE DUE TO WORK INJURY TO PEOPLE, TRANSMISSION OF DUST & OTHER PROTECTION REQUIRED TO PREVENT DISCREPANCIES IN THE CONTRACT DOCUMENTS

7 REMOVE ASSEMBLIES INDICATED TO PROTECT FROM DAMAGE DUE TO WORK INJURY TO PEOPLE, TRANSMISSION OF DUST & OTHER PROTECTION REQUIRED TO PREVENT DISCREPANCIES IN THE CONTRACT DOCUMENTS

7 REMOVE ASSEMBLIES INDICATED TO PROTECT FROM DAMAGE DUE TO WORK INJURY TO PEOPLE, TRANSMISSION OF DUST & OTHER PROTECTION REQUIRED TO PREVENT DISCREPANCIES IN THE CONTRACT DOCUMENTS

7 REMOVE ASSEMBLIES INDICATED TO PROTECT FROM DAMAGE DUE TO WORK INJURY TO PEOPLE, TRANSMISSION OF DUST & OTHER PROTECTION REQUIRED TO PREVENT DISCREPANCIES IN THE CONTRACT DOCUMENTS
DEMOVISION PLAN - LEVEL 3 AREA C

MATCH LINE
1/8" = 1'-0"

TYP. WEST SIDE
REMOVE METAL FASCIA PANELS AND TRIMS, & INSULATION TO EXISTING ROOFING TO BE REMOVED

EXIST CONSTRUCTION TO REMAIN

EXISTING MASONRY PARTITION
EXISTING ITEM TO REMAIN
EXISTING MASONRY PARTITION
EXISTING ITEM TO BE DEMOLISHED

EXISTING OPERABLE PARTITION & TRACK TO REMAIN
EXIST PARTITION & TRACK TO EXISTING OPERABLE

EXISTING DOOR / FRAME TO BE REMOVED

SENT SPACE STORAGE

STUDENT ORG LOUNGE

ALTERNATE #3
LIMIT OF

ALTERNATE #5

TOWERLIGHT NEWSPAPER

OFFICE

CENTRE FOR STUDENT

UNITY LOUNGE

CSD OFFICE

CSD GA OPEN

MEETING ROOM

CLO.

MEETING ROOM

OFFICE

CORRIDOR

STAIR

STAIR

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE

STORAGE