

**ASBESTOS SURVEY REPORT**  
**MULTIPLE BUILDINGS**  
**700 ROBBINS STREET**  
**PHILADELPHIA, PA 19111**



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**Vice President**

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## SECTION 1.0

### INTRODUCTION

An asbestos survey was conducted at 700 Robbins Street, Philadelphia, PA 19111. The survey was conducted from September 29<sup>th</sup> through December 20<sup>th</sup> by Nick Mariconda, and Joe Pancoski, of Batta Environmental Associates, Inc. (BEA), Pennsylvania-certified building inspector (057810) and Philadelphia-certified Asbestos Investigator (AIC18-000005).

The purpose of this asbestos survey was to identify the presence, and extent of asbestos-containing materials (ACM) in the interior of 10 specified buildings and areas at the NSA site located at 700 Robbins Street, Philadelphia, PA 19111 in support of future demolition or renovation activities.

The inspection was performed by a certified EPA asbestos building inspector, experienced in identifying and sampling suspect ACM. All areas of the interior of the specified locations were accessed and inspected. All observed suspect materials were sampled to determine asbestos content. No materials were assumed to contain asbestos.

All samples collected were analyzed at Batta Laboratories, LLC.. using Polarized Light Microscopy (PLM) methods All suspect materials in the survey area were tested and no materials were assumed to contain asbestos. A total of three hundred and thirty-five (335) samples were collected and two hundred seventy-six (276) were analyzed.

Laboratory Analysis Reports – Certificates of Analysis are located in Appendix A of this report. All field drawings, showing the location of ACM, are in Appendix B. All company and individual licenses and certifications can be found in Appendix C. The Philadelphia Asbestos Inspection (AIR) Form is located in Appendix D

## **SECTION 2.0**

### **BUILDINGS DESCRIPTION**

NSA Philadelphia buildings are located on Robbins Street in Philadelphia, Pennsylvania. The scope of the survey was to inspect the interior of the specified buildings and sections of those buildings which included Buildings 27BCD, 8, 10, 4ABC, 7A, 5AB, 26 (first floor), 2BCD, 110 and 15.

All of the buildings were constructed around the 1940 with many areas previously renovated. The structures are primarily built on concrete slabs with masonry or brick exterior walls. Floors consisted of floor tile, ceramic tile, hardwood, or concrete decking with carpeting throughout. Pipe were insulated with Fiberglass, Armaflex<sup>R</sup>, and asbestos containing insulation. The HVAC systems consisted of un-insulated or fiberglass insulation throughout the areas. Asbestos containing duct insulation was identified in Building 8 on the warehouse/storage side.



## SECTION 3.0

### METHODS AND LIMITATIONS

#### 3.1 ASBESTOS SURVEY METHODS

The facilities were inspected for suspect ACM, unless otherwise noted. Each observed suspect material was assigned a homogenous area number, described, and measured. Each observed suspect material was sampled or assumed to be asbestos. Samples of suspect ACM were collected using procedures established by the United States (US) Environmental Protection Agency (EPA) Code of Federal Regulations (CFR) Title 40 Part 763 Subpart E, Asbestos-Containing Materials in Schools and by the City of Philadelphia Asbestos Control Regulations (ACR).

At the beginning of the survey, the inspectors conducted a walkthrough of the areas identifying and sampling different types of probable ACM and categorizing these materials.

Each probable ACM was grouped into homogenous areas, which group a particular material by similar characteristics such as appearance, texture, manufacturer, etc. All similar materials within a particular building or process area were in their own homogenous area groups.

ACM's were also further divided into three categories:

- ***"Surfacing Materials"*** material that is sprayed-on, trowelled on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing or other purposes.
- ***"Thermal System Insulation"*** material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other structural components to prevent heat loss or gain, or water condensation, or for other purposes.
- ***"Miscellaneous ACM"*** interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal insulation.

ACM's inventoried in this survey are classified as either friable or non-friable. Friable ACM can be crumbled or reduced to powder by hand pressure whereas non-friable ACM cannot.

The EPA asbestos NESHAP regulation further classifies nonfriable ACM into two categories.

- Category I. nonfriable ACM includes any asbestos-containing packing, gasket, resilient floor covering or asphalt roofing product.
- Category II. Nonfriable ACM includes any nonfriable ACM other than Category I nonfriable ACM.

Samples were collected in air-tight, sealed bags for transportation to Batta Laboratories, LLC. for analysis. During sample collection procedures, good safety and hygiene practices were implemented to prevent asbestos airborne contamination from being introduced into the building's atmosphere.

All field records pertaining to samples collected during this inspection can be found in Appendix C of this report and each sample is listed as follows:

1. Field Number
2. Lab Number
3. AHERA Classification
4. Sample Location
5. Material Sampled
6. Lab Results

All lab data pertaining to the samples analyzed can be found in Appendix A & B of this report and each sample is listed as follows:

1. Date Analyzed
2. Field Sample Number
3. Lab Sample Number
4. Sample Location
5. Asbestos Content
6. Non-Asbestos Content

Samples were analyzed using an A,B,C... positive stop protocol for each set of homogenous materials (*materials with similar characteristics*). If a sample in the homogenous set tested positive for asbestos (*greater than 1% by composition*) then the other samples in that set were not analyzed. If asbestos was not detected in a sample then all samples from that homogenous set were analyzed for asbestos until one tested positive.

### **3.2 LABORATORY ANALYSIS METHODS**

All samples collected during the survey were analyzed at **BATTA LABORATORIES, LLC.**, an A.I.H.A., NVLAP certified laboratory also certified by the City of Philadelphia Department of Public Health. Upon arrival at the laboratory, the samples were logged-in and submitted for analysis.

PLM samples were analyzed utilizing the Environmental Protection Agency's test method: Methods for the determination of Asbestos in Bulk Building Materials (EPA 600/R-93/116, July 1993) and the McCrone Research Institute's The Asbestos Particle Atlas as the principal analytical references. Additional treatment and tests may be required to accurately define composition (i.e. ashing, extraction, acetone treatment, and TEM).

The PLM method utilizes a light microscope equipped with polarizing filters. The identification of asbestos fiber bundles is determined by the visual properties displayed when the sample is treated with various dispersion staining liquids. Identification is substantiated by the actual structure of the fiber and the effect of polarized light on the fiber, all of which is viewed by a trained technician. The limit of detection of asbestos by PLM is about one percent (1%) by area. Samples containing lower levels of asbestos are not reliably detectable by this technique.

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (cellulose, synthetic, etc.) and non-fibrous constituents. Using a stereoscope, the microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample.

### **3.3 LIMITATIONS**

This survey was limited in scope to an asbestos survey of multiple buildings and areas located at 700 Robbins Street, Philadelphia, PA 19111 as defined by contract documents and the project scope of work. Lead based paint, coatings or other lead based survey or sampling was not included in this investigation. Also, no investigation of other hazardous materials such as PCBs, fluorescent light tubes, mercury switches, HID lamps, lead acid batteries, refrigerants, stored chemicals, or other environmentally sensitive materials was performed as part of this inspection.

This asbestos survey report has been prepared by BEA in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, expressed or implied is made. The intent of this survey report is to assist the building owner or management in locating ACM. This document is not intended to be utilized as a proposal or a project design document for the remediation of asbestos materials discovered during this investigation.

The survey was conducted to identify suspect ACM on the interior of multi buildings and areas of those buildings on the site. Some ACM may not have been discovered due to inaccessibility. Any suspect materials discovered subsequent to the issue of this survey report should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

BEA's interpretations and recommendations are based upon the results of sample collection and analyses in compliance with environmental regulations, quality control and assurance standards, and the scope of work. The results, conclusions, and recommendations contained in this report pertain to conditions observed at the time of the survey.

## SECTION 4.0

### SURVEY RESULTS

#### 4.1 ASBESTOS ANALYSIS RESULTS

A total of three hundred thirty-five (335) samples were collected and two hundred seventy-six (276) were analyzed by PLM. The original laboratory report / certificates of analysis are attached as Appendix A and survey field records are attached in Appendix B.

##### 4.1.1 Asbestos-containing materials

Asbestos was identified in amounts greater than 1 percent in the samples secured from the following materials.

- 9" x 9" Floor Tile
- Glue Dots
- Floor Tile Mastic
- 12" x12" Floor Tile
- TSI Pipe Insulation \*
- TSI Duct Insulation

\* Other asbestos pipes may exist behind plaster walls or ceilings that were not accessible to inspect during the survey.

##### 4.1.2 Non-asbestos-containing materials

Asbestos was not detected or was less than 1 percent in the following materials:

- |                              |                               |
|------------------------------|-------------------------------|
| • Floor Tile Mastic (9"x9")  | • Cove Base Adhesive          |
| • 12"x12" Self Adhesive FT   | • Drywall                     |
| • Wall/Ceiling Plaster       | • Joint Compound              |
| • Pipe Fittings              | • 12"x12" Floor Tile          |
| • Pipe Insulation            | • Floor Tile Mastic (12"x12") |
| • Interior Wall Plaster Ins. |                               |

## 4.2 ADDITIONAL OBSERVATIONS

In addition to the results presented in Section 4.1, BEA observed the following:

- Only visibly accessible areas were inspected.

## 4.3 Positive ACM Material Tables

| NSA – Building 27 (Sections B,C,D) – 700 Robbins Street, Philadelphia, PA 19111 |          |                     |                                   |
|---------------------------------------------------------------------------------|----------|---------------------|-----------------------------------|
| Material                                                                        | Quantity | Description (Color) | % Asbestos                        |
| Pipe Fitting Insulation                                                         | 150 EA   | White / Grey        | 40 % Chrysotile                   |
| Pipe Insulation                                                                 | 3,750 LF | White / Grey        | 75 % Chrysotile / 25 % Chrysotile |

| NSA – Building 8 (Gym/Warehouse) – 700 Robbins Street, Philadelphia, PA 19111 |           |                     |                 |
|-------------------------------------------------------------------------------|-----------|---------------------|-----------------|
| Material                                                                      | Quantity  | Description (Color) | % Asbestos      |
| 9x9 Floor Tile                                                                | 540 SF    | Grey                | 10 % Chrysotile |
| Duct Insulation                                                               | 10,000 SF | White / Grey        | 80 % Chrysotile |

| NSA – Building 10 – 700 Robbins Street, Philadelphia, PA 19111 |          |                     |                 |
|----------------------------------------------------------------|----------|---------------------|-----------------|
| Material                                                       | Quantity | Description (Color) | % Asbestos      |
| Pipe Fitting Insulation                                        | 75 EA    | White / Grey        | 80 % Chrysotile |
| Pipe Insulation                                                | 1,350 LF | White / Grey        | 60 % Chrysotile |
| 9x9 Floor Tile                                                 | 450 SF   | Brown               | 5 % Chrysotile  |
| 12x12 Floor Tile                                               | 1,200 SF | Grey                | 3 % Chrysotile  |
| Glue Dots                                                      | 225 SF   | Brown               | 5 % Chrysotile  |

| NSA – Building 4 (Section A,B,C)– 700 Robbins Street, Philadelphia, PA 19111 |          |                     |                                   |
|------------------------------------------------------------------------------|----------|---------------------|-----------------------------------|
| Material                                                                     | Quantity | Description (Color) | % Asbestos                        |
| Pipe Fitting Insulation                                                      | 30 EA    | White / Grey        | 25 % Chrysotile / 20 % Amosite    |
| Pipe Insulation                                                              | 1,280 LF | Whit / Grey         | 50 % Chrysotile / 60 % Chrysotile |
| 9x9 Floor Tile                                                               | 4,000 SF | Green               | 5 % Chrysotile                    |
| 9x9 Floor Tile                                                               | 2,600 SF | Brown               | 5 % Chrysotile                    |
| Pipe Insulation at hangers                                                   | 200 LF   | Grey                | 30 % Amosite                      |
| Textured Ceiling                                                             | 2,800 SF | White               | 3 % Chrysotile                    |
| Glue Dots                                                                    | 700 SF   | Brown               | 3 % Chrysotile                    |

| NSA – Building 7 (Sections A) – 700 Robbins Street, Philadelphia, PA 19111 |          |                     |                 |
|----------------------------------------------------------------------------|----------|---------------------|-----------------|
| Material                                                                   | Quantity | Description (Color) | % Asbestos      |
| Pipe Fitting Insulation                                                    | 10 EA    | White               | 40 % Chrysotile |
| Floor Tile Mastic                                                          | 400 SF   | Black               | 3 % Chrysotile  |
| 9x9 Floor Tile                                                             | 400 SF   | Brown               | 5 % Chrysotile  |

| NSA – Building 5 (Sections A,B) – 700 Robbins Street, Philadelphia, PA 19111 |          |                     |                 |
|------------------------------------------------------------------------------|----------|---------------------|-----------------|
| Material                                                                     | Quantity | Description (Color) | % Asbestos      |
| Pipe Insulation                                                              | 850 LF   | White/Grey/Tan      | 50 % Amosite    |
| Pipe Insulation (Large 15" Line)                                             | 135 LF   | White / Grey        | 75 % Chrysotile |
| Pipe Fitting Insulation                                                      | 15 EA    | White               | 50 % Amosite    |

| NSA – Building 26 (First Floor) – 700 Robbins Street, Philadelphia, PA 19111 |          |                     |                                |
|------------------------------------------------------------------------------|----------|---------------------|--------------------------------|
| Material                                                                     | Quantity | Description (Color) | % Asbestos                     |
| Pipe Insulation                                                              | 3,700 LF | White/Grey          | 25 % Chrysotile / 15 % Amosite |
| Pipe Fitting Insulation                                                      | 120 EA   | White / Grey        | 25 % Chrysotile / 20 % Amosite |
| 9x9 Floor Tile                                                               | 700 SF   | Green               | 7 % Chrysotile                 |
| 12x12 Floor Tile (Lobby/Office)                                              | 5,800 SF | Beige               | 8 % Chrysotile                 |

| NSA – Building 2 (Sections B,C,D) – 700 Robbins Street, Philadelphia, PA 19111 |          |                     |                               |
|--------------------------------------------------------------------------------|----------|---------------------|-------------------------------|
| Material                                                                       | Quantity | Description (Color) | % Asbestos                    |
| Pipe Insulation                                                                | 1,100 LF | White/Grey          | 25 % Chrysotile               |
| Pipe Fitting Insulation                                                        | 20 EA    | White / Grey        | 5 % Chrysotile / 15 % Amosite |
| 9x9 Floor Tile                                                                 | 700 SF   | Green               | 10 % Chrysotile               |
| 12x12 Floor Tile (Library/Office)                                              | 6,000 SF | Grey                | 3 % Chrysotile                |

| NSA – Building 110 (Visitors Center) – 700 Robbins Street, Philadelphia, PA 19111 |          |                     |            |
|-----------------------------------------------------------------------------------|----------|---------------------|------------|
| Material                                                                          | Quantity | Description (Color) | % Asbestos |
| NO ACM IDENTIFIED IN BUILDING 110                                                 |          |                     |            |



| NSA – Building 15 (Cafeteria ) – 700 Robbins Street, Philadelphia, PA 19111 |          |                     |                 |
|-----------------------------------------------------------------------------|----------|---------------------|-----------------|
| Material                                                                    | Quantity | Description (Color) | % Asbestos      |
| Pipe Insulation                                                             | 650 LF   | White               | 50 % Chrysotile |
| Pipe Fitting Insulation                                                     | 35 EA    | White               | 70 % Chrysotile |
| 12x12 Floor Tile                                                            | 350 SF   | White               | 5 % Chrysotile  |
| Glue Dots                                                                   | 650 SF   | Brown               | 7 % Chrysotile  |
| Transite Roof Panels                                                        | 750 SF   | Grey                | 20 % Chrysotile |



## SECTION 5.0

### RECOMMENDATIONS

#### 5.1 RECOMMENDATIONS FOR REGULATED ACM (RACM)

**Pipe Insulation** was identified as RACM during this inspection:

If present, these materials must be removed prior to any activity that would release asbestos fibers from this material. Specifically, any renovation or demolition activity that will crush, abrade, or dissolve the matrix of this material must be performed by a Pennsylvania and City of Philadelphia licensed Asbestos Contractor. If these materials are in good condition and not impacted by the renovation/demolition and will remain on/in the facility, no other special handling, or action is required.

#### 5.2 RECOMMENDATIONS FOR CATEGORY I NONFRIABLE ACM (C1NF)

**9" x 9" Floor Tile / 12"x12" Floor Tile / Glue Dots / Floor Tile Mastic** were identified as C1NF ACM during this investigation.

If present, these materials are required to be removed by a Pennsylvania and City of Philadelphia licensed asbestos contractor if proposed renovations or demolition will impact these materials in such a manner as to render them friable and thus RACM. Specifically, any renovation or demolition activity that will crush, abrade, or dissolve the matrix of these materials then they must first be removed by a Pennsylvania/City of Philadelphia-licensed Asbestos Contractor. If these materials are in good condition and not impacted by the renovation/demolition and will remain on/in the facility, no other special handling, or action is required.

### 5.3 RECOMMENDATIONS FOR CATEGORY II NONFRIABLE ACM (C2NF)

**Transite Paneling** was identified as Category II Non-friable ACM during this inspection:

If present, these materials identified as Category II Nonfriable ACM must be removed prior to any renovation or demolition activity that will crush, abrade, or dissolve the matrix of this material. The removal of this material must be performed by a Pennsylvania / City of Philadelphia licensed Asbestos Contractor. If this material is in good condition and not impacted by the renovation/demolition and will remain on/in the facility, no other special handling, or action is required.

### 5.5 GENERAL RECOMMENDATIONS

Based on the results of this survey, BEA has the following general recommendations:

- The City of Philadelphia Department of Public Health, Air Management Services, Asbestos Control Unit regulates and enforces the Asbestos Control Regulations (ACR) in the City of Philadelphia. An Alternative Method Request form can be submitted to this organization to request that the floor tile be removed using controlled nonfriable methods such as using dry ice or a heat gun so that the tile is removed whole and intact. Removing tile in such a manner is not a regulated activity because the floor tile is not broken and thus rendered friable and therefore RACM. The Asbestos Control Unit does still inspect nonfriable removals to ensure that the tile is removed intact so whatever method of removal is used it is always recommended to use a licensed Pennsylvania / City of Philadelphia Asbestos Contractor familiar with the regulations when dealing with asbestos in the City of Philadelphia.
- For all removal of RACM whether it is the pipe insulation or floor tile that is broken and rendered friable during removal the owner is required to have a licensed City of Philadelphia Asbestos Project Inspector (API) on site during all removal activities to provide project oversight and air monitoring for the project. Pretesting, Project Sampling, and Final Clearance Sampling must be performed by the API in accordance with the ACR. The API should have a contract directly with the building owner so as not to have any conflict of interest in enforcing the ACR while the asbestos contractor works.

- Suspect materials discovered after this inspection should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

Philadelphia Air Management, Asbestos Control Unit and the US Environmental Protection Agency – Region III, require notification of intent to renovate or demolish when asbestos is present. Notification must be sent at least 10 working days prior to the start of any construction activities. The general contractor should also keep a copy of this survey at the construction site during the entire construction project as proof of compliance with 40 CFR 61 (NESHAP).

## SECTION 6.0

### SIGNATURE PAGE

Submitted by:



---

Nick Mariconda  
Project Manager

Reviewed by:



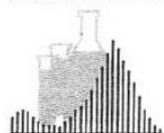
Stephen C. Woronicak  
Operations Manager

## **APPENDIX A**

### **LABORATORY ANALYSIS REPORT**

#### **CERTIFICATES OF ANALYSIS**

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Environment Since 1982



NY ELAP LAB# 11993 for  
PCM, PLM, TEM & Lead



BATTA LABORATORIES, LLC

A Certified MBE Company

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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Sampled By: N. MARICON

Date Analyzed: 10/18/19

| Sample ID   |                | Client-supplied Data          |                  |          | Analytical Data   |       | Reported Results              |                        |
|-------------|----------------|-------------------------------|------------------|----------|-------------------|-------|-------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description            | Material Type    | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components | Asbestiform Components |
| 1099784     | 27-01A         | LCI / Servmart Store / Office | 12x12 Floor Tile | No       | Firm              | Gray  | 100% Non-fibrous Material     | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |       |                               |                        |
| 1099785     | 27-01B         | LCI / Servmart Store / Office | 12x12 Floor Tile | No       | Firm              | Gray  | 100% Non-fibrous Material     | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |       |                               |                        |
| 1099786     | 27-01C         | LCI / Servmart Store / Office | 12x12 Floor Tile | No       | Firm              | Gray  | 100% Non-fibrous Material     | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |       |                               |                        |
| 1099787     | 27-02A         | LCI / Servmart Store / Office | Mastic           | No       | Soft              | Black | 100% Non-fibrous Material     | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |       |                               |                        |
| 1099788     | 27-02B         | LCI / Servmart Store / Office | Mastic           | No       | Soft              | Black | 100% Non-fibrous Material     | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |       |                               |                        |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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\*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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NY ELAP LAB# 11993 for  
PCM, PLM, TEM & Lead

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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Sampled By: N.MARICON

Date Analyzed: 10/18/19

| Sample ID   |                | Client-supplied Data          |                  |          | Analytical Data   |        | Reported Results                                        |                        |
|-------------|----------------|-------------------------------|------------------|----------|-------------------|--------|---------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description            | Material Type    | Friable? | Texture/<br>Gross | Color  | Non-asbestiform<br>Components                           | Asbestiform Components |
| 1099789     | 27-03A         | LCI / Servmart Store / Office | Cove Base Mastic | No       | Soft              | Yellow | 100% Non-fibrous Material                               | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |        |                                                         |                        |
| 1099790     | 27-03B         | LCI / Servmart Store / Office | Cove Base Mastic | No       | Soft              | Yellow | 100% Non-fibrous Material                               | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |        |                                                         |                        |
| 1099791     | 27-04A         | LCI / Servmart Store / Office | 2x4 Ceiling Tile | No       | Fibrous           | Gray   | 60% Cellulose 20% Mineral Wool 20% Non-fibrous Material | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |        |                                                         |                        |
| 1099792     | 27-04B         | LCI / Servmart Store / Office | 2x4 Ceiling Tile | No       | Fibrous           | Gray   | 60% Cellulose 20% Mineral Wool 20% Non-fibrous Material | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |        |                                                         |                        |
| 1099793     | 27-05A         | Entrance LCI                  | 1x1 Ceiling Tile | No       | Fibrous           | Gray   | 90% Mineral Wool 10% Non-fibrous Material               | No Asbestos Found      |
|             |                |                               |                  |          | Homogeneous       |        |                                                         |                        |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Date Sampled: n/a

Sampled By: N.MARICON

Date Analyzed: 10/18/19

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data            |               | Reported Results                                |                        |
|-------------|----------------|----------------------|------------------|----------|----------------------------|---------------|-------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/<br>Gross          | Color         | Non-asbestiform<br>Components                   | Asbestiform Components |
| 1099794     | 27-05B         | Entrance LCI         | 1x1 Ceiling Tile | No       | Fibrous<br><br>Homogeneous | Gray          | 90% Mineral Wool<br>10% Non-fibrous<br>Material | No Asbestos Found      |
| 1099795     | 27-06A         | Throughout           | Drywall          | No       | Fibrous<br><br>Homogeneous | Gray<br>Brown | 15% Cellulose<br>85% Non-fibrous<br>Material    | No Asbestos Found      |
| 1099796     | 27-06B         | Throughout           | Drywall          | No       | Fibrous<br><br>Homogeneous | Gray<br>Brown | 15% Cellulose<br>85% Non-fibrous<br>Material    | No Asbestos Found      |
| 1099797     | 27-07A         | Throughout           | Joint Compound   | No       | Firm<br><br>Homogeneous    | White         | 100% Non-fibrous<br>Material                    | No Asbestos Found      |
| 1099798     | 27-07B         | Throughout           | Joint Compound   | No       | Firm<br><br>Homogeneous    | White         | 100% Non-fibrous<br>Material                    | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: JJF

REVIEWED BY:

QA/QC Officer/Signatory

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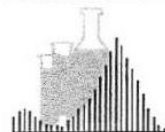
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Sampled By: N. MARICON

Date Analyzed: 10/18/19

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data   |        | Reported Results              |                        |
|-------------|----------------|----------------------|------------------|----------|-------------------|--------|-------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/<br>Gross | Color  | Non-asbestiform<br>Components | Asbestiform Components |
| 1099799     | 27-08A         | Throughout           | 12x12 Floor Tile | No       | Firm              | Gray   | 100% Non-fibrous Material     | No Asbestos Found      |
| Homogeneous |                |                      |                  |          |                   |        |                               |                        |
| 1099800     | 27-08B         | Throughout           | 12x12 Floor Tile | No       | Firm              | Gray   | 100% Non-fibrous Material     | No Asbestos Found      |
| Homogeneous |                |                      |                  |          |                   |        |                               |                        |
| 1099801     | 27-08C         | Throughout           | 12x12 Floor Tile | No       | Firm              | Gray   | 100% Non-fibrous Material     | No Asbestos Found      |
| Homogeneous |                |                      |                  |          |                   |        |                               |                        |
| 1099802     | 27-09A         | Throughout           | FT Mastic        | No       | Soft              | Yellow | 100% Non-fibrous Material     | No Asbestos Found      |
| Homogeneous |                |                      |                  |          |                   |        |                               |                        |
| 1099803     | 27-09B         | Throughout           | FT Mastic        | No       | Soft              | Yellow | 100% Non-fibrous Material     | No Asbestos Found      |
| Homogeneous |                |                      |                  |          |                   |        |                               |                        |

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ANALYST: JJF

REVIEWED BY:

QA/QC Officer/Signatory

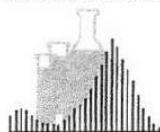
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Sampled By: N MARICON

Date Analyzed: 10/18/19

| Sample ID |         | Client-supplied Data       |                          |          | Analytical Data        |       | Reported Results              |                                              |
|-----------|---------|----------------------------|--------------------------|----------|------------------------|-------|-------------------------------|----------------------------------------------|
| Lab       | Client  | Sample                     | Material                 |          | Texture/<br>Gross      | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| Sample#   | Sample# | Description                | Type                     | Friable? |                        |       |                               |                                              |
| 1099804   | 27-09C  | Throughout                 | FT Mastic                | No       | Soft<br>Homogeneous    | Black | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1099805   | 27-10A  | Entranceway / Meeting Room | Floor Tile (Lower Layer) | No       | Firm<br>Homogeneous    | Beige | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1099806   | 27-10B  | Entranceway / Meeting Room | Floor Tile (Lower Layer) | No       | Firm<br>Homogeneous    | Beige | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1099807   | 27-11A  | Throughout                 | TSI Pipe Insulation      | Yes      | Fibrous<br>Homogeneous | White | 25% Non-fibrous Material      | 75% Chrysotile<br>Total Asbestos = 75%       |
| 1099808   | 27-11B  | ** Throughout              | TSI Pipe Insulation      | Yes      |                        |       |                               | Sample Not Analyzed<br>(positive stop rules) |

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ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 6 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Sampled By: N.MARICON

Date Analyzed: 10/18/19

| Sample ID   |                | Client-supplied Data |                     |          | Analytical Data            |       | Reported Results              |                                              |
|-------------|----------------|----------------------|---------------------|----------|----------------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type       | Friable? | Texture/<br>Gross          | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1099809     | 27-11C         | ** Throughout        | TSI Pipe Insulation | Yes      |                            |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1099810     | 27-12A         | Throughout           | TSI Pipe Fitting    | Yes      | Fibrous<br><br>Homogeneous | White | 60% Non-fibrous Material      | 40% Chrysotile<br>Total Asbestos = 40%       |
| 1099811     | 27-12B         | ** Throughout        | TSI Pipe Fitting    | Yes      |                            |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1099812     | 27-12C         | ** Throughout        | TSI Pipe Fitting    | Yes      |                            |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1099813     | 27-12D         | ** Throughout        | TSI Pipe Fitting    | Yes      |                            |       |                               | Sample Not Analyzed<br>(positive stop rules) |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: JJF

REVIEWED BY: 

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 7 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Sampled By: N. MARICON

Date Analyzed: 10/18/19

| Sample ID   |                | Client-supplied Data |                     |          | Analytical Data            |       | Reported Results                                                 |                        |
|-------------|----------------|----------------------|---------------------|----------|----------------------------|-------|------------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type       | Friable? | Texture/<br>Gross          | Color | Non-asbestiform<br>Components                                    | Asbestiform Components |
| 1099814     | 27-13A         | Throughout           | 2x4 Ceiling<br>Tile | No       | Fibrous<br><br>Homogeneous | Gray  | 60% Cellulose 30%<br>Mineral Wool<br>10% Non-fibrous<br>Material | No Asbestos Found      |
| 1099815     | 27-13B         | Throughout           | 2x4 Ceiling<br>Tile | No       | Fibrous<br><br>Homogeneous | Gray  | 60% Cellulose 30%<br>Mineral Wool<br>10% Non-fibrous<br>Material | No Asbestos Found      |
| 1099816     | 27-14A         | Throughout           | 12x12 Floor<br>Tile | No       | Firm<br><br>Homogeneous    | Gray  | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1099817     | 27-14B         | Throughout           | 12x12 Floor<br>Tile | No       | Firm<br><br>Homogeneous    | Gray  | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1099818     | 27-14C         | Throughout           | 12x12 Floor<br>Tile | No       | Firm<br><br>Homogeneous    | Blue  | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

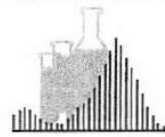
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 8 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 10/18/19

| Sample ID   |                | Client-supplied Data |               |          | Analytical Data        |       | Reported Results                                                   |                                              |
|-------------|----------------|----------------------|---------------|----------|------------------------|-------|--------------------------------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type | Friable? | Texture/<br>Gross      | Color | Non-asbestiform<br>Components                                      | Asbestiform Components                       |
| 1099819     | 27-15A         | Throughout           | Mastic        | No       | Soft<br>Homogeneous    | Black | 100% Non-fibrous Material                                          | No Asbestos Found                            |
| 1099820     | 27-15B         | Throughout           | Mastic        | No       | Soft<br>Homogeneous    | Black | 100% Non-fibrous Material                                          | No Asbestos Found                            |
| 1099821     | 27-15C         | Throughout           | Mastic        | No       | Soft<br>Homogeneous    | Black | 100% Non-fibrous Material                                          | No Asbestos Found                            |
| 1099822     | 27-16A         | Throughout           | TSI Aerocell  | Yes      | Fibrous<br>Homogeneous | Gray  | 50% Cellulose 20%<br>Synthetic Fiber<br>5% Non-fibrous<br>Material | 25% Chrysotile<br>Total Asbestos = 25%       |
| 1099823     | 27-16B         | ** Throughout        | TSI Aerocell  | Yes      |                        |       |                                                                    | Sample Not Analyzed<br>(positive stop rules) |

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ANALYST: JJF

REVIEWED BY:

QA/QC Officer/Signatory

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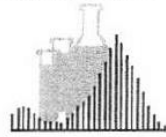
\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.5/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 9 of 9

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 10/28/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST. - BUILDING 27

Sampled By: N.MARICON

Date Analyzed: 10/18/19

| Sample ID |         | Client-supplied Data |          |          | Analytical Data |       | Reported Results |                        |
|-----------|---------|----------------------|----------|----------|-----------------|-------|------------------|------------------------|
| Lab       | Client  | Sample               | Material |          | Texture/        |       | Non-asbestiform  |                        |
| Sample#   | Sample# | Description          | Type     | Friable? | Gross           | Color | Components       | Asbestiform Components |

|         |        |    |            |              |     |  |                                              |  |
|---------|--------|----|------------|--------------|-----|--|----------------------------------------------|--|
| 1099824 | 27-16C | ** | Throughout | TSI Aerocell | Yes |  | Sample Not Analyzed<br>(positive stop rules) |  |
|---------|--------|----|------------|--------------|-----|--|----------------------------------------------|--|

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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PLM - CEPA DPOINT COUNT QNOB  
TEM DRESSNO QNOB DEPA  
BULK SAMPLE DATA SHEET  
BE# 7726151

Project Name: NAVFAC - 3rd Party Air Monitoring  
Site Inspector / Address: NSA - 700 Robbins Street, Philadelphia, PA  
Inspector(s): Nick Mariconda

B.I. #:

Date Inspected 10 / 1 / 19

Building 27

Page 1 of 2

Positive Stop Protocol  
Date/Time Results Required: 10/18/19 1200 HRS  
Date/Time Cert of Analysis Req: 10/19/19 1200 HRS  
Results to: Director  
Inspector: MM/JSK  
Client: ☐ Phone: ☐ Fax: ☐

| SAMPLE NUMBER | MATERIAL SAMPLED         | AHERA CLASS | MOISTURE CONDITION | ALL LOCATIONS, Name & Circle Sample Locations | MATERIAL QUANTITY | SAMPLE COMPOSITION | COLOR | %  | RESULTS TYPE |
|---------------|--------------------------|-------------|--------------------|-----------------------------------------------|-------------------|--------------------|-------|----|--------------|
| 7-01-000      | 12x12 Floor Tile         | M           | G                  | LCI / Servant sections BCD                    | 4                 | 4                  | Whit  |    | NAO          |
| 7-02-000      | Mastic                   | M           | G                  | LCI / Servant store/office                    | 4                 | 4                  | Black |    |              |
| 7-03-000      | Mastic (cove-base)       | M           | G                  | LCI / Servant store/office                    | 4                 | 4                  | tan   |    |              |
| 7-04-000      | 2x4 ceiling tile         | M           | G                  | LCI                                           | 4                 | 4                  | whit  |    |              |
| 7-05-000      | 1x1 ceiling tile         | M           | G                  | LCI                                           | 4                 | 4                  | whit  |    |              |
| 7-06-000      | Drywall                  | M           | G                  | Throught                                      | 4                 | 4                  | Whit  |    |              |
| 7-07-000      | Tant Compound            | M           | G                  | Throught                                      | 4                 | 4                  | Whit  |    |              |
| 7-08-000      | 12x12 Floor tile         | M           | G                  | sections BCD                                  | 4                 | 4                  | Brown |    |              |
| 7-09-000      | F-T Mastic               | M           | G                  | Throught                                      | 4                 | 4                  | Black |    |              |
| 7-10-000      | Floor tile (lower layer) | M           | G                  | Entrance way / meeting room                   | 4                 | 4                  | Brown |    |              |
| 7-11-000      | TSE Pipe Installation    | T           | G                  | Throught                                      | 4                 | 4                  | White | 75 | Clay         |
| 7-12-000      | TSE Pipe Fitting         | T           | G                  | Throught                                      | 4                 | 4                  | White | 40 | Clay         |
| 7-13-000      | 2x4 ceiling tile         | M           | G                  | Throught                                      | 4                 | 4                  | White |    | NAO          |
| 7-14-000      | 12x12 Floor tile         | M           | G                  | Throught                                      | 4                 | 4                  | Black |    |              |
| 7-15-000      | Throught                 | M           | G                  | Throught                                      | 4                 | 4                  | Black |    |              |

Relinquished By: [Signature] Date: 10/17/19 Time: 1600  
Received By: [Signature] Date: 10/14/19 Time: 0900  
Delivered By: [Signature] Date: 10/17/19 Time: 1600  
Received By: [Signature] Date: 10/14/19 Time: 0900  
Delivered By: [Signature] Date: 10/17/19 Time: 1600  
Received By: [Signature] Date: 10/14/19 Time: 0900





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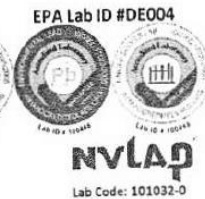
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Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 10/28/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

| Sample ID   |                | Client-supplied Data        |                  |          | Analytical Data |       | Reported Results           |                        |
|-------------|----------------|-----------------------------|------------------|----------|-----------------|-------|----------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description          | Material Type    | Friable? | Texture/ Gross  | Color | Non-asbestiform Components | Asbestiform Components |
| 1101746     | 8-1A           | 2nd Floor N.Storage         | 12x12 Floor Tile | No       | Firm            | Gray  | 100% Non-fibrous Material  | No Asbestos Found      |
| Homogeneous |                |                             |                  |          |                 |       |                            |                        |
| 1101747     | 8-1B           | 2nd Floor N.Storage         | 12x12 Floor Tile | No       | Firm            | Gray  | 100% Non-fibrous Material  | No Asbestos Found      |
| Homogeneous |                |                             |                  |          |                 |       |                            |                        |
| 1101748     | 8-2A           | 2nd Floor Storages/Bathroom | Mastic           | No       | Soft            | Black | 100% Non-fibrous Material  | No Asbestos Found      |
| Homogeneous |                |                             |                  |          |                 |       |                            |                        |
| 1101749     | 8-2B           | 2nd Floor Storages/Bathroom | Mastic           | No       | Soft            | Black | 100% Non-fibrous Material  | No Asbestos Found      |
| Homogeneous |                |                             |                  |          |                 |       |                            |                        |
| 1101750     | 8-2C           | 2nd Floor Storages/Bathroom | Mastic           | No       | Soft            | Black | 100% Non-fibrous Material  | No Asbestos Found      |
| Homogeneous |                |                             |                  |          |                 |       |                            |                        |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

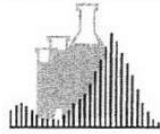
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 10/28/19

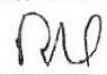
| Sample ID   |                | Client-supplied Data           |                  |          | Analytical Data   |       | Reported Results              |                                              |
|-------------|----------------|--------------------------------|------------------|----------|-------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description             | Material Type    | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1101751     | 8-3A           | 2nd Floor Storages             | 9x9 Floor Tile   | No       | Firm              | Gray  | 90% Non-fibrous Material      | 10% Chrysotile<br>Total Asbestos = 10%       |
| Homogeneous |                |                                |                  |          |                   |       |                               |                                              |
| 1101752     | 8-3B           | ** 2nd Floor Storages          | 9x9 Floor Tile   | No       |                   |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101753     | 8-4A           | Rear Entrance Hall/<br>Laundry | 12x12 Floor Tile | No       | Firm              | Blue  | 100% Non-fibrous Material     | No Asbestos Found                            |
| Homogeneous |                |                                |                  |          |                   |       |                               |                                              |
| 1101754     | 8-4B           | Rear Entrance Hall/<br>Laundry | 12x12 Floor Tile | No       | Firm              | Blue  | 100% Non-fibrous Material     | No Asbestos Found                            |
| Homogeneous |                |                                |                  |          |                   |       |                               |                                              |
| 1101755     | 8-5A           | Rear Entrance Hall/<br>Laundry | Mastic           | No       | Soft              | Black | 100% Non-fibrous Material     | No Asbestos Found                            |
| Homogeneous |                |                                |                  |          |                   |       |                               |                                              |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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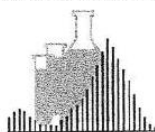
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data           |               |          | Analytical Data            |       | Reported Results                                                 |                        |
|-------------|----------------|--------------------------------|---------------|----------|----------------------------|-------|------------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description             | Material Type | Friable? | Texture/<br>Gross          | Color | Non-asbestiform<br>Components                                    | Asbestiform Components |
| 1101756     | 8-5B           | Rear Entrance Hall/<br>Laundry | Mastic        | No       | Soft<br><br>Homogeneous    | Black | 100% Non-fibrous Material                                        | No Asbestos Found      |
| 1101757     | 8-5A           | Offices                        | Ceiling Tile  | No       | Fibrous<br><br>Homogeneous | Gray  | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found      |
| 1101758     | 8-6B           | Offices                        | Ceiling Tile  | No       | Fibrous<br><br>Homogeneous | Gray  | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found      |
| 1101759     | 8-7A           | Throughout                     | Drywall       | No       | Firm<br><br>Homogeneous    | White | 10% Cellulose<br>90% Non-fibrous<br>Material                     | No Asbestos Found      |
| 1101760     | 8-7B           | Throughout                     | Drywall       | No       | Firm<br><br>Homogeneous    | White | 10% Cellulose<br>90% Non-fibrous<br>Material                     | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: MEW

REVIEWED BY: 

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EPA Lab ID #DE004



**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L135619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 10/28/19

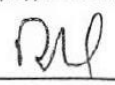
| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data     |       | Reported Results                          |                        |
|-------------|----------------|----------------------|------------------|----------|---------------------|-------|-------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/Gross       | Color | Non-asbestiform Components                | Asbestiform Components |
| 1101761     | 8-7C           | Throughout           | Drywall          | No       | Firm<br>Homogeneous | White | 10% Cellulose<br>90% Non-fibrous Material | No Asbestos Found      |
| 1101762     | 8-8A           | Throughout           | Joint Compound   | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material                 | No Asbestos Found      |
| 1101763     | 8-8B           | Throughout           | Joint Compound   | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material                 | No Asbestos Found      |
| 1101764     | 8-8C           | Throughout           | Joint Compound   | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material                 | No Asbestos Found      |
| 1101765     | 8-9A           | Offices/Lockers      | Cove-Base Mastic | No       | Soft<br>Homogeneous | Tan   | 100% Non-fibrous Material                 | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

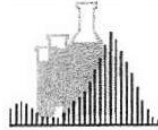
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\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a polarized light method. Batta recommends the NY ELAP Lab 108.6/108.4 over the Chatfield method. (Also see seal techniques as outlined on asbestos bond.)

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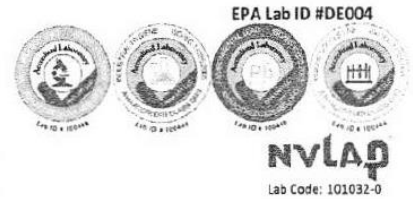
NY ELAP LAB# 11993 for  
PCM, PLM, TEM & Lead

**batta**  
LABORATORIES

BATTA LABORATORIES, LLC  
A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way  
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Tel. (302) 737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 10/28/19

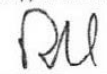
| Sample ID   |                | Client-supplied Data |                     |          | Analytical Data        |               | Reported Results              |                                              |
|-------------|----------------|----------------------|---------------------|----------|------------------------|---------------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type       | Friable? | Texture/<br>Gross      | Color         | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1101766     | 8-9B           | Offices/Lockers      | Cove-Base<br>Mastic | No       | Soft<br>Homogeneous    | Tan           | 100% Non-<br>fibrous Material | No Asbestos Found                            |
| 1101767     | 8-10A          | Warehouse            | Duct<br>Insulation  | Yes      | Fibrous<br>Homogeneous | Gray<br>White | 20% Non-<br>fibrous Material  | 80% Chrysotile<br>Total Asbestos = 80%       |
| 1101768     | 8-10B          | ** Warehouse         | Duct<br>Insulation  | Yes      |                        |               |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101769     | 8-10C          | ** Warehouse         | Duct<br>Insulation  | Yes      |                        |               |                               | Sample Not Analyzed<br>(positive stop rules) |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix reduction method. Batta recommends the NY ELAP Item 108.5/108.4 over the Chatfield method. When point count techniques are utilized as an assembly bound.



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Fax (302) 737-5764  
www.battanet.com

BULK SAMPLE DATA SHEET  
PLM DEPA DPOINT COUNT DNOB  
TEM DYESMO DNOB DEPA

BL# 136619  
Positive Stop Protocol  
Date/Time Results Required: 10/31/14 1200 HRS  
Date/Time Cert of Analysis Req: 1/1/15  
Results to: EHS Inspector [Manager: MVA/SK] HRS  
Client [Phone: [Fax: [E-mail: MVA@BTA.com]

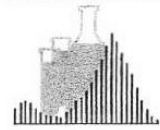
Name: NAVFAC - 3rd Party Air Monitoring  
Address: NSA - 700 Robbins Street, Philadelphia, PA  
Inspector(s): Nick Mariconda  
Date Inspected: 1/1/15  
Building: 8

| PILE NUMBER | MATERIAL SAMPLED | AHERA CLASS | CONDITION         | ALL LOCATIONS, Name & Circle Sample Locations | MATERIAL QUANTITY | SAMPLE COMPOSITION | COLOR | RESULTS |
|-------------|------------------|-------------|-------------------|-----------------------------------------------|-------------------|--------------------|-------|---------|
| LAB         | Notes            |             | G/D: 100% S/D: 0% | (E1, E2, O1, I1, I3, 22, ...)                 |                   |                    |       | % TYPE  |
| 10000       | 12x12 FT         | M           | G                 | 2nd floor storage                             | 1+                | wht                | wht   | 100     |
| 10001       | Mastic           | M           | G                 | 2nd floor storage                             | 1+                | blk                | blk   | 100     |
| 10002       | 9x9 FT           | M           | G                 | 2nd floor storage                             | 540SF             | 1+                 | grn   | 100     |
| 10003       | 12x12 FT         | M           | G                 | 2nd floor storage                             | 1+                | grn                | grn   | 100     |
| 10004       | Mastic           | M           | G                 | 2nd floor storage                             | 1+                | blk                | blk   | 100     |
| 10005       | Ceiling tile     | M           | G                 | 2nd floor storage                             | 1+                | wht                | wht   | 100     |
| 10006       | Drywall          | M           | G                 | 2nd floor storage                             | 1+                | wht                | wht   | 100     |
| 10007       | Joint compound   | M           | G                 | 2nd floor storage                             | 1+                | wht                | wht   | 100     |
| 10008       | Cove-base mastic | M           | G                 | 2nd floor storage                             | 1+                | wht                | wht   | 100     |
| 10009       | Duct insulation  | T           | G                 | 2nd floor storage                             | 10,000SF          | 1+                 | grn   | 100     |
| 10010       | Acrylic          | T           | G                 | 2nd floor storage                             | 1+                | grn                | grn   | 100     |
| 10011       |                  |             |                   |                                               |                   |                    |       |         |
| 10012       |                  |             |                   |                                               |                   |                    |       |         |
| 10013       |                  |             |                   |                                               |                   |                    |       |         |
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| 10084       |                  |             |                   |                                               |                   |                    |       |         |
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| 10090       |                  |             |                   |                                               |                   |                    |       |         |
| 10091       |                  |             |                   |                                               |                   |                    |       |         |
| 10092       |                  |             |                   |                                               |                   |                    |       |         |
| 10093       |                  |             |                   |                                               |                   |                    |       |         |
| 10094       |                  |             |                   |                                               |                   |                    |       |         |
| 10095       |                  |             |                   |                                               |                   |                    |       |         |
| 10096       |                  |             |                   |                                               |                   |                    |       |         |
| 10097       |                  |             |                   |                                               |                   |                    |       |         |
| 10098       |                  |             |                   |                                               |                   |                    |       |         |
| 10099       |                  |             |                   |                                               |                   |                    |       |         |
| 10100       |                  |             |                   |                                               |                   |                    |       |         |

Relinquished By: MVA  
Date: 10/31/14  
Time: 11:00  
Received By: MVA  
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Time: 11:00  
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Date: 10/31/14  
Time: 11:00  
Received By: MVA  
Date: 10/31/14  
Time: 11:00  
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PCM, PLM, TEM & Lead

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA-BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data |                |          | Analytical Data   |       | Reported Results                          |                                              |
|-------------|----------------|----------------------|----------------|----------|-------------------|-------|-------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type  | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components             | Asbestiform Components                       |
| 1101770     | 10-1A          | Conference Room      | 9x9 Floor Tile | No       | Firm              | Gray  | 95% Non-fibrous Material                  | 5% Chrysotile<br>Total Asbestos = 5%         |
|             |                |                      |                |          | Homogeneous       |       |                                           |                                              |
| 1101771     | 10-1B          | ** Conference Room   | 9x9 Floor Tile | No       |                   |       |                                           | Sample Not Analyzed<br>(positive stop rules) |
| 1101772     | 10-2A          | Throughout           | Mastic         | No       | Soft              | Black | 100% Non-fibrous Material                 | No Asbestos Found                            |
|             |                |                      |                |          | Homogeneous       |       |                                           |                                              |
| 1101773     | 10-2B          | Throughout           | Mastic         | No       | Soft              | Black | 100% Non-fibrous Material                 | No Asbestos Found                            |
|             |                |                      |                |          | Homogeneous       |       |                                           |                                              |
| 1101774     | 10-3A          | Throughout           | Drywall        | No       | Granular          | White | 10% Cellulose<br>90% Non-fibrous Material | No Asbestos Found                            |
|             |                |                      |                |          | Homogeneous       |       |                                           |                                              |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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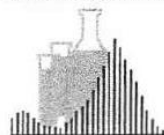
\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data |                |          | Analytical Data         |       | Reported Results                             |                        |
|-------------|----------------|----------------------|----------------|----------|-------------------------|-------|----------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type  | Friable? | Texture/<br>Gross       | Color | Non-asbestiform<br>Components                | Asbestiform Components |
| 1101775     | 10-3B          | Throughout           | Drywall        | No       | Granular<br>Homogeneous | White | 10% Cellulose<br>90% Non-fibrous<br>Material | No Asbestos Found      |
| 1101776     | 10-3C          | Throughout           | Drywall        | No       | Granular<br>Homogeneous | White | 10% Cellulose<br>90% Non-fibrous<br>Material | No Asbestos Found      |
| 1101777     | 10-4A          | Throughout           | Joint Compound | No       | Firm<br>Homogeneous     | White | 100% Non-fibrous<br>Material                 | No Asbestos Found      |
| 1101778     | 10-4B          | Throughout           | Joint Compound | No       | Firm<br>Homogeneous     | White | 100% Non-fibrous<br>Material                 | No Asbestos Found      |
| 1101779     | 10-4C          | Throughout           | Joint Compound | No       | Firm<br>Homogeneous     | White | 100% Non-fibrous<br>Material                 | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

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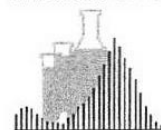
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\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a laboratory using a method such as EPA 600/R-93/116 or EPA 600/R-04/004, known as "The Cincinnati Method".



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PCM, PLM, TEM & Lead

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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA -BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data   |                  |          | Analytical Data     |               | Reported Results              |                        |
|-------------|----------------|------------------------|------------------|----------|---------------------|---------------|-------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description     | Material Type    | Friable? | Texture/<br>Gross   | Color         | Non-asbestiform<br>Components | Asbestiform Components |
| 1101780     | 10-5A          | Throughout             | Carpet Adhesive  | No       | Soft<br>Homogeneous | Blue<br>Green | 100% Non-fibrous Material     | No Asbestos Found      |
| 1101781     | 10-5B          | Throughout             | Carpet Adhesive  | No       | Soft<br>Homogeneous | Blue<br>Green | 100% Non-fibrous Material     | No Asbestos Found      |
| 1101782     | 10-6A          | Throughout             | Cove-Base Mastic | No       | Soft<br>Homogeneous | Yellow        | 100% Non-fibrous Material     | No Asbestos Found      |
| 1101783     | 10-6B          | Throughout             | Cove-Base Mastic | No       | Soft<br>Homogeneous | Yellow        | 100% Non-fibrous Material     | No Asbestos Found      |
| 1101784     | 10-7A          | Downstairs Main Office | 12x12 Floor Tile | No       | Firm<br>Homogeneous | White         | 100% Non-fibrous Material     | No Asbestos Found      |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data   |                     |          | Analytical Data   |            | Reported Results              |                                              |
|-------------|----------------|------------------------|---------------------|----------|-------------------|------------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description     | Material Type       | Friable? | Texture/<br>Gross | Color      | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1101785     | 10-7B          | Downstairs Main Office | 12x12 Floor Tile    | No       | Firm              | White      | 100% Non-fibrous Material     | No Asbestos Found                            |
|             |                |                        |                     |          | Homogeneous       |            |                               |                                              |
| 1101786     | 10-8A          | Throughout             | TSI Pipe Insulation | Yes      | Fibrous           | Gray White | 40% Non-fibrous Material      | 60% Chrysotile<br>Total Asbestos = 60%       |
|             |                |                        |                     |          | Homogeneous       |            |                               |                                              |
| 1101787     | 10-8B          | ** Throughout          | TSI Pipe Insulation | Yes      |                   |            |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101788     | 10-8C          | ** Throughout          | TSI Pipe Insulation | Yes      |                   |            |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101789     | 10-9A          | Throughout             | TSI Fitting         | Yes      | Fibrous           | Gray White | 20% Non-fibrous Material      | 80% Chrysotile<br>Total Asbestos = 80%       |
|             |                |                        |                     |          | Homogeneous       |            |                               |                                              |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

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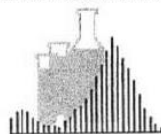
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Document Control Item PL9

EPA Lab ID #DE004



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 10/28/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

| Sample ID   |                | Client-supplied Data   |                  |          | Analytical Data   |       | Reported Results              |                                              |
|-------------|----------------|------------------------|------------------|----------|-------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description     | Material Type    | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1101790     | 10-9B          | ** Throughout          | TSI Fitting      | Yes      |                   |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101791     | 10-9C          | ** Throughout          | TSI Fitting      | Yes      |                   |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101792     | 10-9D          | ** Throughout          | TSI Fitting      | Yes      |                   |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101793     | 10-9E          | ** Throughout          | TSI Fitting      | Yes      |                   |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101794     | 10-10A         | Downstairs Main Office | 12x12 Floor Tile | No       | Firm              | White | 100% Non-fibrous Material     | No Asbestos Found                            |
| Homogeneous |                |                        |                  |          |                   |       |                               |                                              |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

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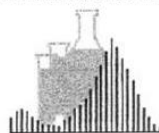
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 6 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA -BUILDING 10- 700 ROBBINS ST.,PHILADELPHIA,PA

Date Sampled: n/a

Sampled By: N.MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data     |                  |          | Analytical Data     |        | Reported Results              |                                      |
|-------------|----------------|--------------------------|------------------|----------|---------------------|--------|-------------------------------|--------------------------------------|
| Lab Sample# | Client Sample# | Sample Description       | Material Type    | Friable? | Texture/<br>Gross   | Color  | Non-asbestiform<br>Components | Asbestiform Components               |
| 1101795     | 10-10B         | Downstairs Main Office   | 12x12 Floor Tile | No       | Firm<br>Homogeneous | White  | 100% Non-fibrous Material     | No Asbestos Found                    |
| 1101796     | 10-11A         | Downstairs Main Office   | Mastic           | No       | Soft<br>Homogeneous | Yellow | 100% Non-fibrous Material     | No Asbestos Found                    |
| 1101797     | 10-12A         | Downstairs Main Office   | Duct Mastic      | No       | Soft<br>Homogeneous | Gray   | 100% Non-fibrous Material     | No Asbestos Found                    |
| 1101798     | 10-12B         | Downstairs Main Office   | Duct Mastic      | No       | Soft<br>Homogeneous | Gray   | 100% Non-fibrous Material     | No Asbestos Found                    |
| 1101799     | 10-13A         | Main Office (Throughout) | 12x12 Floor Tile | No       | Firm<br>Homogeneous | Gray   | 97% Non-fibrous Material      | 3% Chrysotile<br>Total Asbestos = 3% |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

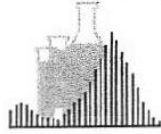
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 7 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data        |                     |          | Analytical Data            |       | Reported Results                            |                                              |
|-------------|----------------|-----------------------------|---------------------|----------|----------------------------|-------|---------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description          | Material Type       | Friable? | Texture/<br>Gross          | Color | Non-asbestosiform<br>Components             | Asbestosiform Components                     |
| 1102793     | (Layer 1)      | Main Office<br>(Throughout) | Mastic              | n/a      | Soft<br><br>Homogeneous    | Black | 100% Non-<br>fibrous Material               | No Asbestos Found                            |
| 1101800     | 10-13B **      | Main Office<br>(Throughout) | 12x12 Floor<br>Tile | No       |                            |       |                                             | Sample Not Analyzed<br>(positive stop rules) |
| 1101801     | 10-14A         | Throughout                  | 1x1 Ceiling<br>Tile | No       | Fibrous<br><br>Homogeneous | Brown | 95% Cellulose<br>5% Non-fibrous<br>Material | No Asbestos Found                            |
| 1101802     | 10-14B         | Throughout                  | 1x1 Ceiling<br>Tile | No       | Fibrous<br><br>Homogeneous | Brown | 95% Cellulose<br>5% Non-fibrous<br>Material | No Asbestos Found                            |
| 1101803     | 10-15A         | Throughout                  | Glue Dot            | No       | Firm<br><br>Homogeneous    | Brown | 95% Non-<br>fibrous Material                | 5% Chrysotile<br>Total Asbestos = 5%         |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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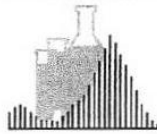
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 8 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data           |                   |          | Analytical Data        |       | Reported Results                                                 |                                              |
|-------------|----------------|--------------------------------|-------------------|----------|------------------------|-------|------------------------------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description             | Material Type     | Friable? | Texture/<br>Gross      | Color | Non-asbestiform<br>Components                                    | Asbestiform Components                       |
| 1101804     | 10-15B         | ** Throughout                  | Glue Dot          | No       |                        |       |                                                                  | Sample Not Analyzed<br>(positive stop rules) |
| 1101805     | 10-16A         | Throughout                     | Ceiling Tile      | No       | Fibrous<br>Homogeneous | Gray  | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found                            |
| 1101806     | 10-16B         | Throughout                     | Ceiling Tile      | No       | Fibrous<br>Homogeneous | Gray  | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found                            |
| 1101807     | 10-16C         | Throughout                     | Ceiling Tile      | No       | Fibrous<br>Homogeneous | Gray  | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found                            |
| 1101808     | 10-17A         | Throughout 2nd Floor<br>Office | 9x9 Floor<br>Tile | No       | Firm<br>Homogeneous    | Black | 20% Cellulose<br>80% Non-fibrous<br>Material                     | No Asbestos Found                            |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 9 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA-BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data        |                  |          | Analytical Data   |       | Reported Results                          |                        |
|-------------|----------------|-----------------------------|------------------|----------|-------------------|-------|-------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description          | Material Type    | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components             | Asbestiform Components |
| 1101809     | 10-17B         | Throughout 2nd Floor Office | 9x9 Floor Tile   | No       | Firm              | Black | 20% Cellulose<br>80% Non-fibrous Material | No Asbestos Found      |
|             |                |                             |                  |          | Homogeneous       |       |                                           |                        |
| 1101810     | 10-18A         | Throughout                  | 12x12 Floor Tile | No       | Firm              | Pink  | 100% Non-fibrous Material                 | No Asbestos Found      |
|             |                |                             |                  |          | Homogeneous       |       |                                           |                        |
| 1102794     | (Layer 1)      | Throughout                  | Mastic           | n/a      | Soft              | Black | 100% Non-fibrous Material                 | No Asbestos Found      |
|             |                |                             |                  |          | Homogeneous       |       |                                           |                        |
| 1101811     | 10-18B         | Throughout                  | 12x12 Floor Tile | No       | Firm              | Pink  | 100% Non-fibrous Material                 | No Asbestos Found      |
|             |                |                             |                  |          | Homogeneous       |       |                                           |                        |
| 1102795     | (Layer 1)      | Throughout                  | Mastic           | n/a      | Soft              | Black | 100% Non-fibrous Material                 | No Asbestos Found      |
|             |                |                             |                  |          | Homogeneous       |       |                                           |                        |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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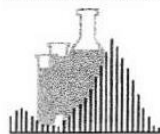
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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 10 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N.MAR/CON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data        |                         |          | Analytical Data            |       | Reported Results                                |                                              |
|-------------|----------------|-----------------------------|-------------------------|----------|----------------------------|-------|-------------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description          | Material Type           | Friable? | Texture/<br>Gross          | Color | Non-asbestiform<br>Components                   | Asbestiform Components                       |
| 1101812     | 10-19A         | Throughout 2nd Floor Office | Duct Insulation         | No       | Fibrous<br><br>Homogeneous | Black | 85% Synthetic Fiber<br>15% Non-fibrous Material | No Asbestos Found                            |
| 1101813     | 10-19B         | Throughout 2nd Floor Office | Duct Insulation         | No       | Fibrous<br><br>Homogeneous | Black | 85% Synthetic Fiber<br>15% Non-fibrous Material | No Asbestos Found                            |
| 1101814     | 10-16A         | Throughout                  | Mag TSI Pipe Insulation | Yes      | Fibrous<br><br>Homogeneous | White | 40% Non-fibrous Material                        | 60% Chrysotile<br>Total Asbestos = 60%       |
| 1101815     | 10-16B         | ** Throughout               | Mag TSI Pipe Insulation | Yes      |                            |       |                                                 | Sample Not Analyzed<br>(positive stop rules) |
| 1101816     | 10-16C         | ** Throughout               | Mag TSI Pipe Insulation | Yes      |                            |       |                                                 | Sample Not Analyzed<br>(positive stop rules) |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

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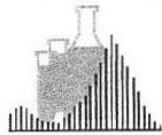
\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

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## CERTIFICATE OF PLM ANALYSIS

Page 11 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID   |                | Client-supplied Data     |                               |          | Analytical Data         |        | Reported Results              |                                              |
|-------------|----------------|--------------------------|-------------------------------|----------|-------------------------|--------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description       | Material Type                 | Friable? | Texture/<br>Gross       | Color  | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1101817     | 10-16D         | ** Throughout            | Mag TSi<br>Pipe<br>Insulation | Yes      |                         |        |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1101818     | 10-17A         | Office<br>Area/Warehouse | 12x12 Floor<br>Tile           | No       | Firm<br><br>Homogeneous | Gray   | 100% Non-<br>fibrous Material | No Asbestos Found                            |
| 1101819     | 10-17B         | Office<br>Area/Warehouse | 12x12 Floor<br>Tile           | No       | Firm<br><br>Homogeneous | Gray   | 100% Non-<br>fibrous Material | No Asbestos Found                            |
| 1101820     | 10-18A         | Office<br>Area/Warehouse | Mastic                        | No       | Soft<br><br>Homogeneous | Yellow | 100% Non-<br>fibrous Material | No Asbestos Found                            |
| 1101821     | 10-18B         | Office<br>Area/Warehouse | Mastic                        | No       | Soft<br><br>Homogeneous | Yellow | 100% Non-<br>fibrous Material | No Asbestos Found                            |

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ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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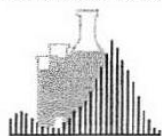
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 12 of 12

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/01/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - BUILDING 10- 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 10/28/19

| Sample ID |         | Client-supplied Data     |                     |          | Analytical Data |       | Reported Results                             |                        |
|-----------|---------|--------------------------|---------------------|----------|-----------------|-------|----------------------------------------------|------------------------|
| Lab       | Client  | Sample                   | Material            |          | Texture/        |       | Non-asbestiform                              |                        |
| Sample#   | Sample# | Description              | Type                | Friable? | Gross           | Color | Components                                   | Asbestiform Components |
| 1101822   | 10-19A  | Warehouse/Througho<br>ut | Exp. Joint          | No       | Firm            | Black | 25% Cellulose<br>75% Non-fibrous<br>Material | No Asbestos Found      |
|           |         |                          |                     |          | Homogeneous     |       |                                              |                        |
| 1101823   | 10-19B  | Warehouse/Througho<br>ut | Exp. Joint          | No       | Firm            | Black | 25% Cellulose<br>75% Non-fibrous<br>Material | No Asbestos Found      |
|           |         |                          |                     |          | Homogeneous     |       |                                              |                        |
| 1101824   | 10-20A  | Extra Office Rear Ent.   | 12x12 Floor<br>Tile | No       | Firm            | Tan   | 100% Non-<br>fibrous Material                | No Asbestos Found      |
|           |         |                          |                     |          | Homogeneous     |       |                                              |                        |
| 1101825   | 10-20B  | Extra Office Rear Ent.   | 12x12 Floor<br>Tile | No       | Firm            | Tan   | 100% Non-<br>fibrous Material                | No Asbestos Found      |
|           |         |                          |                     |          | Homogeneous     |       |                                              |                        |
| 1101826   | 10-21A  | Extra Office Rear Ent.   | 12x12 Floor<br>Tile | No       | Firm            | Brown | 100% Non-<br>fibrous Material                | No Asbestos Found      |
|           |         |                          |                     |          | Homogeneous     |       |                                              |                        |

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ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

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Delaware Industrial Park  
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Newark, DE 19713-5817

BULK SAMPLE DATA SHEET  
PLM DEPA DEPOINT COUNT UNDB TEM DESIMO UNDB DEPA

BL# 113617  
Positive Stop Protocol  
Date/Time Results Required: 10/15/19 1200 HRS  
Date/Time Cert of Analysis Req: 1/1/20 HRS  
Results to: Inspector J. Manager: J. Fax: J.  
Client: DE-mail: J. Building 101

Project Name: NAVFAC - 3rd Party Air Monitoring  
Specified / Address: NSA - 700 Robbins Street, Philadelphia, PA  
Inspector(s): Nick Maricanda

Date Inspected: 1/1/19

Page 1 of 2

| FILE NUMBER | MATERIAL SAMPLED           | AHERA CLASS | COND. CONDITION | ALL LOCATIONS, Name & Circle Sample Locations | MATERIAL QUANTITY | SAMPLE COMPOSITION | SAMPLE COLOR | RESULTS % TYPE |
|-------------|----------------------------|-------------|-----------------|-----------------------------------------------|-------------------|--------------------|--------------|----------------|
| LAB         | LAB                        |             |                 |                                               |                   |                    |              |                |
| 10-1000     | 9x9 FT                     | M           | G               | Conference Room                               | 450SF             | 1+                 | Brown        | 5 Chry         |
| 10-1000     | Mastic                     | M           | G               | Thoroughout                                   |                   | 1+                 | Black        | NAD            |
| 10-1000     | Drywall                    | M           | G               | Thoroughout                                   |                   | 1+                 | Wht          |                |
| 10-1000     | Sant Compound              | M           | G               | Thoroughout                                   |                   | 1+                 | Wht          |                |
| 10-1000     | Carpet Adhesive            | M           | G               | Thoroughout                                   |                   | 1+                 | Blue         |                |
| 10-1000     | Core-Base Mastic           | M           | G               | Thoroughout                                   |                   | 1+                 | Brown        |                |
| 10-1000     | 12x12 FT                   | M           | G               | Downstairs main office                        |                   | 1+                 | Wht/blk      |                |
| 10-1000     | TST Pipe Insulation (Ac-F) | T           | G               | Thoroughout                                   | 675LCF            | 1+                 | Grey         | 60 Chry        |
| 10-1000     | TST Fitting                | T           | G               | Thoroughout                                   | 75EA              | 1+                 | Grey         | 80 Chry        |
| 10-1000     | 12x12 Floor tile           | M           | G               | Main office (Downstairs)                      |                   | 1+                 | Wht          |                |
| 10-1000     | Mastic                     | M           | G               | Main office Downstairs                        |                   | 1+                 | Wht          |                |
| 10-1000     | Duct Mastic                | M           | G               | Downstairs                                    |                   | 1+                 | Grey         | 1              |
| 10-1000     | Floor tile main            | M           | G               | Main office                                   |                   | 1+                 | Grey         | 3 Chry         |
| 10-1000     | 1x1 ceiling tile           | M           | G               | Thoroughout                                   |                   | 1+                 | Wht          |                |
| 10-1000     | Glue Dot                   | M           | G               | Thoroughout                                   | 255SF             | 1+                 | Brown        | 5 Chry         |

Requisitioned By: J. Maricanda  
Delivered By: J. Maricanda  
Received By: J. Maricanda  
Date: 10/24/19 Time: 1:15 PM  
Date: 10/25/19 Time: 0800



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6 Garfield Way  
Newark, DE 19713-6817  
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www.battaenv.com

**BULK SAMPLE DATA SHEET**

Name: **NAVFAC - 3rd Party Air Monitoring**  
Address: **NSA - 700 Robbins Street, Philadelphia, PA**

Client: **BEA# 7726151**

Date/Time Results Required: **10/15/14** **1200** HRS  
Date/Time Cert of Analysis Req: **1/1/15** HRS  
Results to: **ATInspector** **Manager: AAA/1514**  
Client: ☐ Phone: **215/1514** ☐ Fax:

# **Nick Mancione** Date Inspected **1/1/15** Page **2** of **2**

| PILE NUMBER | MATERIAL SAMPLED            | AHERA CLASS | Notes CONDITION G/D/INT/S/1/DIRT | ALL LOCATIONS, Name & Circle Sample Locations (E1, E2, 01, 11, 13, 22, ...) | MATERIAL QUANTITY | 44-3 SAMPLE COMPOSITION | COLOR | % RESULTS | TYPE |
|-------------|-----------------------------|-------------|----------------------------------|-----------------------------------------------------------------------------|-------------------|-------------------------|-------|-----------|------|
| 10-16       | 110/805                     | M           | G                                | Through                                                                     | 1+                |                         | wh/wh |           |      |
| 10-17       | 808 919 FT                  | M           | G                                | Through 2nd floor office                                                    | 1+                |                         | Black |           |      |
| 10-18       | 810 12x12 FT Pink           | M           | G                                | Through                                                                     | 1+                |                         | pink  |           |      |
| 10-19       | 812 1st Insulation          | M           | G                                | Throughout 2nd floor office                                                 | 1+                |                         | black |           |      |
| 10-20       | 813 1st TSI Pipe Insulation | T           | G                                | Through                                                                     | 1+                |                         | white | 60        | chry |
| 10-21       | 814 12x12 Floor tile        | M           | G                                | Office area/warehouse                                                       | 1200SF            | 1+                      | grey  | NAD       |      |
| 10-22       | 815 1st Mech                | M           | G                                | Office area/warehouse                                                       | 1+                |                         | Brown |           |      |
| 10-23       | 816 EXH. 50H+               | M           | G                                | Warehouse / Through                                                         | 1+                |                         | Black |           |      |
| 10-24       | 817 12x12 FT                | M           | G                                | Extn of Hic Rear Entr.                                                      | 1+                |                         | Black |           |      |
| 10-25       | 818 12x12 FT                | M           | G                                | Extn office Rear Entr.                                                      | 1+                |                         | Black |           |      |
| A.B.C       |                             |             |                                  |                                                                             |                   |                         |       |           |      |
| A.B.C       |                             |             |                                  |                                                                             |                   |                         |       |           |      |
| A.B.C       |                             |             |                                  |                                                                             |                   |                         |       |           |      |
| A.B.C       |                             |             |                                  |                                                                             |                   |                         |       |           |      |
| A.B.C       |                             |             |                                  |                                                                             |                   |                         |       |           |      |
| A.B.C       |                             |             |                                  |                                                                             |                   |                         |       |           |      |

Relinquished By: **[Signature]** Date: **10/15/14** Time: **1200**  
Delivered By: **[Signature]** Date: **1/1/15** Time: **1200**  
Received By: **[Signature]** Date: **1/1/15** Time: **1200**

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EPA Lab ID #DE004

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Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC -BUILDING 4ABC

Date Sampled: n/a  
Sampled By: N.MARICON  
Date Analyzed: 11/07/19

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data        |       | Reported Results                                           |                        |
|-------------|----------------|----------------------|------------------|----------|------------------------|-------|------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/<br>Gross      | Color | Non-asbestiform<br>Components                              | Asbestiform Components |
| 1103520     | 4-1A           | Throughout           | 12x12 Floor Tile | No       | Firm<br>Homogeneous    | Tan   | 100% Non-fibrous Material                                  | No Asbestos Found      |
| 1103521     | 4-1B           | Throughout           | 12x12 Floor Tile | No       | Firm<br>Homogeneous    | Tan   | 100% Non-fibrous Material                                  | No Asbestos Found      |
| 1103522     | 4-2A           | Throughout           | Mastic           | No       | Soft<br>Homogeneous    | Black | 100% Non-fibrous Material                                  | No Asbestos Found      |
| 1103523     | 4-2B           | Throughout           | Mastic           | No       | Soft<br>Homogeneous    | Black | 100% Non-fibrous Material                                  | No Asbestos Found      |
| 1103524     | 4-3A           | Throughout           | Ceiling Tile     | No       | Fibrous<br>Homogeneous | Gray  | 50% Cellulose 25% Mineral Wool<br>25% Non-fibrous Material | No Asbestos Found      |

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ANALYST: MEW

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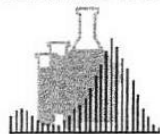
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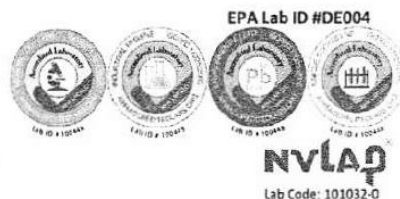
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Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC -BUILDING 4ABC

Sampled By: N.MARICON

Date Analyzed: 11/07/19

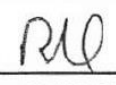
| Sample ID   |                | Client-supplied Data |                    |          | Analytical Data            |        | Reported Results                                                 |                        |
|-------------|----------------|----------------------|--------------------|----------|----------------------------|--------|------------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type      | Friable? | Texture/<br>Gross          | Color  | Non-asbestiform<br>Components                                    | Asbestiform Components |
| 1103525     | 4-3B           | Throughout           | Ceiling Tile       | No       | Fibrous<br><br>Homogeneous | Gray   | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found      |
| 1103526     | 4-3C           | Throughout           | Ceiling Tile       | No       | Fibrous<br><br>Homogeneous | Gray   | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found      |
| 1103527     | 4-4A           | Throughout           | Covebase<br>Mastic | No       | Soft<br><br>Homogeneous    | Yellow | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1103528     | 4-4B           | Throughout           | Covebase<br>Mastic | No       | Soft<br><br>Homogeneous    | Yellow | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1103529     | 4-5A           | Throughout           | Drywall            | No       | Firm<br><br>Homogeneous    | White  | 10% Cellulose<br>90% Non-fibrous<br>Material                     | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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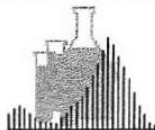
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC -BUILDING 4ABC

Sampled By: N.MARICON

Date Analyzed: 11/07/19

| Sample ID   |                | Client-supplied Data |                |          | Analytical Data     |       | Reported Results                             |                        |
|-------------|----------------|----------------------|----------------|----------|---------------------|-------|----------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type  | Friable? | Texture/<br>Gross   | Color | Non-asbestiform<br>Components                | Asbestiform Components |
| 1103530     | 4-5B           | Throughout           | Drywall        | No       | Firm<br>Homogeneous | White | 10% Cellulose<br>90% Non-fibrous<br>Material | No Asbestos Found      |
| 1103531     | 4-5C           | Throughout           | Drywall        | No       | Firm<br>Homogeneous | White | 10% Cellulose<br>90% Non-fibrous<br>Material | No Asbestos Found      |
| 1103532     | 4-6A           | Throughout           | Joint Compound | No       | Firm<br>Homogeneous | White | 100% Non-fibrous<br>Material                 | No Asbestos Found      |
| 1103533     | 4-6B           | Throughout           | Joint Compound | No       | Firm<br>Homogeneous | White | 100% Non-fibrous<br>Material                 | No Asbestos Found      |
| 1103534     | 4-6C           | Throughout           | Joint Compound | No       | Firm<br>Homogeneous | White | 100% Non-fibrous<br>Material                 | No Asbestos Found      |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

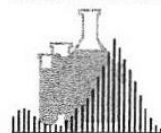
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EPA Lab ID #DE004



**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - BUILDING 4ABC

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 11/07/19

| Sample ID   |                | Client-supplied Data |                        |          | Analytical Data   |       | Reported Results                             |                                              |
|-------------|----------------|----------------------|------------------------|----------|-------------------|-------|----------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type          | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components                | Asbestiform Components                       |
| 1103535     | 4-7A           | Throughout           | TSI Pipe<br>Insulation | Yes      | Fibrous           | White | 20% Cellulose<br>20% Non-fibrous<br>Material | 60% Chrysotile<br>Total Asbestos = 60%       |
|             |                |                      |                        |          | Homogeneous       |       |                                              |                                              |
| 1103536     | 4-7B           | ** Throughout        | TSI Pipe<br>Insulation | Yes      |                   |       |                                              | Sample Not Analyzed<br>(positive stop rules) |
| 1103537     | 4-8A           | Throughout           | Expansion<br>Joint     | No       | Cementitious      | Black | 100% Non-<br>fibrous Material                | No Asbestos Found                            |
|             |                |                      |                        |          | Homogeneous       |       |                                              |                                              |
| 1103538     | 4-9A           | Throughout           | Aerocell TSI           | Yes      | Fibrous           | Gray  | 20% Cellulose<br>30% Non-fibrous<br>Material | 50% Chrysotile<br>Total Asbestos = 50%       |
|             |                |                      |                        |          | Homogeneous       |       |                                              |                                              |
| 1103539     | 4-9B           | ** Throughout        | Aerocell TSI           | Yes      |                   |       |                                              | Sample Not Analyzed<br>(positive stop rules) |

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**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: *RLL*

QA/QC Officer/Signatory

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC -BUILDING 4ABC

Sampled By: N.MARICON

Date Analyzed: 11/07/19

| Sample ID   |                | Client-supplied Data |                        |          | Analytical Data            |               | Reported Results              |                                                       |
|-------------|----------------|----------------------|------------------------|----------|----------------------------|---------------|-------------------------------|-------------------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type          | Friable? | Texture/<br>Gross          | Color         | Non-asbestiform<br>Components | Asbestiform Components                                |
| 1103540     | 4-10A          | Throughout           | TSI Elbow              | Yes      | Fibrous<br><br>Homogeneous | Gray<br>White | 55% Non-<br>fibrous Material  | 25% Chrysotile<br>20% Amosite<br>Total Asbestos = 45% |
| 1103541     | 4-10B          | ** Throughout        | TSI Elbow              | Yes      |                            |               |                               | Sample Not Analyzed<br>(positive stop rules)          |
| 1103542     | 4-10C          | ** Throughout        | TSI Elbow              | Yes      |                            |               |                               | Sample Not Analyzed<br>(positive stop rules)          |
| 1103543     | 4-11A          | Throughout           | TSI Pipe at<br>Hangers | Yes      | Fibrous<br><br>Homogeneous | Gray<br>White | 70% Non-<br>fibrous Material  | 30% Amosite<br>Total Asbestos = 30%                   |
| 1103544     | 4-11B          | ** Throughout        | TSI Pipe at<br>Hangers | Yes      |                            |               |                               | Sample Not Analyzed<br>(positive stop rules)          |

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ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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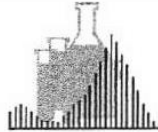
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 6 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC -BUILDING 4ABC

Sampled By: N.MARICON

Date Analyzed: 11/07/19

| Sample ID   |                | Client-supplied Data |                     |          | Analytical Data     |        | Reported Results              |                                              |
|-------------|----------------|----------------------|---------------------|----------|---------------------|--------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type       | Friable? | Texture/<br>Gross   | Color  | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1103545     | 4-11C          | ** Throughout        | TSI Pipe at Hangers | Yes      |                     |        |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1103546     | 4-12A          | Breakroom B          | 12x12 Floor Tile    | No       | Firm<br>Homogeneous | White  | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1103547     | 4-12B          | Breakroom B          | 12x12 Floor Tile    | No       | Firm<br>Homogeneous | White  | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1103548     | 4-13A          | Breakroom B          | Mastic              | No       | Soft<br>Homogeneous | Yellow | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1103549     | 4-13B          | Breakroom B          | Mastic              | No       | Soft<br>Homogeneous | Yellow | 100% Non-fibrous Material     | No Asbestos Found                            |

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ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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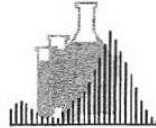
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EPA Lab ID #DE004



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 7 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC -BUILDING 4ABC

Date Sampled: n/a  
Sampled By: N.MAR/CON  
Date Analyzed: 11/07/19

| Sample ID   |                | Client-supplied Data |                |          | Analytical Data     |        | Reported Results              |                                              |
|-------------|----------------|----------------------|----------------|----------|---------------------|--------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type  | Friable? | Texture/<br>Gross   | Color  | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1103550     | 4-13C          | Breakroom B          | Mastic         | No       | Soft<br>Homogeneous | Yellow | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1103551     | 4-14A          | Foreign Affairs      | 9x9 Floor Tile | No       | Firm<br>Homogeneous | Green  | 95% Non-fibrous Material      | 5% Chrysotile<br>Total Asbestos = 5%         |
| 1103552     | 4-14B          | ** Liason Offices    | 9x9 Floor Tile | No       |                     |        |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1103553     | 4-15A          | Foreign Affairs      | Mastic         | No       | Soft<br>Homogeneous | Black  | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1103554     | 4-15B          | Liason Offices       | Mastic         | No       | Soft<br>Homogeneous | Black  | 100% Non-fibrous Material     | No Asbestos Found                            |

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**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

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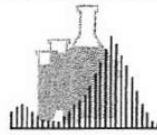
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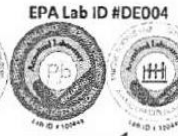
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 8 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC -BUILDING 4ABC

Date Sampled: n/a  
Sampled By: N. MARICON  
Date Analyzed: 11/07/19

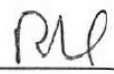
| Sample ID   |                 | Client-supplied Data |                  |          | Analytical Data   |        | Reported Results              |                                              |
|-------------|-----------------|----------------------|------------------|----------|-------------------|--------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample#  | Sample Description   | Material Type    | Friable? | Texture/<br>Gross | Color  | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1103555     | 4-16A           | Throughout           | 12x12 Floor Tile | No       | Firm              | White  | 100% Non-fibrous Material     | No Asbestos Found                            |
| Homogeneous |                 |                      |                  |          |                   |        |                               |                                              |
| 1103556     | 4-16B           | Throughout           | 12x12 Floor Tile | No       | Firm              | White  | 100% Non-fibrous Material     | No Asbestos Found                            |
| Homogeneous |                 |                      |                  |          |                   |        |                               |                                              |
| 1103557     | 4-17A           | Auditorium 4A        | 9x9 Floor Tile   | No       | Firm              | Red    | 95% Non-fibrous Material      | 5% Chrysotile<br>Total Asbestos = 5%         |
| Homogeneous |                 |                      |                  |          |                   |        |                               |                                              |
| 1105350     | 4-17A (Layer 1) | Auditorium 4A        | Mastic           | No       | Soft              | Yellow | 100% Non-fibrous Material     | No Asbestos Found                            |
| Homogeneous |                 |                      |                  |          |                   |        |                               |                                              |
| 1103558     | 4-17B           | ** Auditorium 4A     | 9x9 Floor Tile   | No       |                   |        |                               | Sample Not Analyzed<br>(positive slip rules) |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.



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Environment Since 1992



NY ELAP LAB# 11993 for  
PCM, PLM, TEM & Lead

**batta**  
LABORATORIES

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A Certified MBE Company

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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 9 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 4ABC

Sampled By: N.MARICON

Date Analyzed: 11/07/19

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data   |       | Reported Results              |                                              |
|-------------|----------------|----------------------|------------------|----------|-------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1103559     | 4-18A          | Auditorium 4A        | Mastic           | No       | Soft              | Black | 100% Non-fibrous Material     | No Asbestos Found                            |
|             |                |                      |                  |          | Homogeneous       |       |                               |                                              |
| 1103560     | 4-18B          | Auditorium 4A        | Mastic           | No       | Soft              | Black | 100% Non-fibrous Material     | No Asbestos Found                            |
|             |                |                      |                  |          | Homogeneous       |       |                               |                                              |
| 1103561     | 4-19A          | Auditorium 4A        | Textured Ceiling | No       | Fibrous           | White | 97% Non-fibrous Material      | 3% Chrysotile<br>Total Asbestos = 3%         |
|             |                |                      |                  |          | Homogeneous       |       |                               |                                              |
| 1103562     | 4-19B          | ** Auditorium 4A     | Textured Ceiling | No       |                   |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1103563     | 4-19C          | ** Auditorium 4A     | Textured Ceiling | No       |                   |       |                               | Sample Not Analyzed<br>(positive stop rules) |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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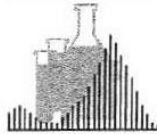
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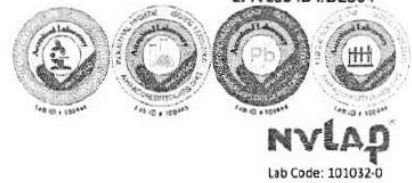
NY ELAP LAB# 11993 for  
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Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 10 of 10

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC -BUILDING 4ABC

Sampled By: N.MARICON

Date Analyzed: 11/07/19

| Sample ID   |                | Client-supplied Data  |                  |          | Analytical Data     |       | Reported Results              |                                              |
|-------------|----------------|-----------------------|------------------|----------|---------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description    | Material Type    | Friable? | Texture/<br>Gross   | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1103564     | 4-20A          | Mechroom Behind Stage | 12x12 Floor Tile | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1103565     | 4-20B          | Mechroom Behind Stage | 12x12 Floor Tile | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1103566     | 4-21A          | n/a                   | Glue Dot         | No       | Firm<br>Homogeneous | Brown | 97% Non-fibrous Material      | 3% Chrysotile<br>Total Asbestos = 3%         |
| 1103567     | 4-21B          | **                    | n/a              | Glue Dot | No                  |       |                               | Sample Not Analyzed<br>(positive stop rules) |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: MEW

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# BULK SAMPLE DATA SHEET

Positive Stain Protocol  
BL# 2136619

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitoring  
Site Inspected / Address: NSA - 700 Robbins Street, Philadelphia, PA

BEA# 772615L

Date/Time Results Required: 11/18/19 1200 HRS  
Date/Time Cert of Analysis Req: 11/18/19 1200 HRS  
Results to: ☒ Inspector 11/18/19  
☐ Client: 11/18/19 ☐ Fax: 11/18/19  
☐ Manager: 11/18/19

Inspector(s): Nick Mariconda  
B.I. #: 55

Date Inspected        /        /       

E-mail: MM/JP/JC  
Building 4/ABC

Page 1 of 2

| SAMPLE NUMBER | MATERIAL SAMPLED      | AHERA CLASS | WEAR CONDITION<br>G/Day / S.D. | ALL LOCATIONS, Name & Circle Sample Locations<br>(E1, E2, D1, 1, 13, 22, ...) | MATERIAL QUANTITY | SAMPLE               |       | RESULTS  |
|---------------|-----------------------|-------------|--------------------------------|-------------------------------------------------------------------------------|-------------------|----------------------|-------|----------|
|               |                       |             |                                |                                                                               |                   | Moisture Composition | COLOR |          |
| 10-1 (ABC)    | 12x13 Floor tile      | M           | C                              | C Throughout                                                                  |                   | H                    | Pink  | NO       |
| 10-2 (ABC)    | Mastic                | M           | C                              | Throughout                                                                    |                   | H                    | Pink  | NO       |
| 4-3 (ABC)     | Ceiling tile          | M           | C                              | C, B, A Throughout                                                            |                   | H                    | White | NO       |
| 4-4 (ABC)     | Core-base mastic      | M           | C                              | C, B, A Throughout                                                            |                   | H                    | White | NO       |
| 4-5 (ABC)     | Drywall               | M           | C                              | C, B, A Throughout                                                            |                   | H                    | White | NO       |
| 4-6 (ABC)     | Joint compound        | M           | C                              | C, B, A Throughout                                                            |                   | H                    | White | NO       |
| 4-7 (ABC)     | TSI Pipe Ins.         | T           | G                              | Throughout                                                                    | 640LF             | H                    | White | Clay     |
| 4-8 (ABC)     | Expansion Joint       | M           | G                              | Throughout                                                                    |                   | H                    | Black | NO       |
| 4-9 (ABC)     | Acrylic TSI           | T           | C                              | Throughout                                                                    | 640LF             | L                    | Grey  | So Clay  |
| 4-10 (ABC)    | TSI Elbow (fatigue)   | T           | C                              | Throughout                                                                    | 30EA              | H                    | Grey  | 25 Clay  |
| 4-11 (ABC)    | TSI Pipe @ Hangers    | T           | G                              | C, B, A Throughout                                                            | 200 LF            | L                    | Grey  | 30 Atmos |
| 4-12 (ABC)    | 12x12 Floor tile      | M           | G                              | Breakroom B                                                                   |                   | H                    | White | NO       |
| 4-13 (ABC)    | Mastic 12x12 FT       | M           | C                              | Breakroom B                                                                   |                   | L                    | Grey  | NO       |
| 4-14 (ABC)    | 9x9 Floor tile        | M           | C                              | Foreign Affairs Liaison offices A sec                                         | 4000SF            | H                    | Green | 5 Clay   |
| 4-15 (ABC)    | 4x4 Floor tile/Mastic | M           | C                              | Foreign Liaison offices A sec                                                 |                   | H                    | Black | NO       |

(48)

|                  |                    |       |                       |       |  |              |                    |       |      |      |       |      |
|------------------|--------------------|-------|-----------------------|-------|--|--------------|--------------------|-------|------|------|-------|------|
| Relinquished By: | <i>[Signature]</i> | Date: | <del>10/19</del> 11/9 | Time: |  | Received By: | <i>[Signature]</i> | Date: | 11/6 | 11/9 | Time: | 1:20 |
| Delivered By:    |                    | Date: | 11/11                 | Time: |  | Received By: |                    | Date: | /    | /    | Time: |      |
| Delivered By:    |                    | Date: | /                     | Time: |  | Received By: |                    | Date: | /    | /    | Time: |      |
| Delivered By:    |                    | Date: | /                     | Time: |  | Received By: |                    | Date: | /    | /    | Time: |      |

# BULK SAMPLE DATA SHEET

BL# L136619  
Positive Stop Protocol

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitoring

8

BEA# 772615L

Date/Time Results Required: 11/15/15 1200 HRS  
Date/Time Cert of Analysis Req: 1 1 HRS  
Results to: Inspector ☐ Manager: duy/TP/15

\_\_\_\_\_

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**Lifeline:**

B.1.#

Date Inspected

7

## CARDIO E NUTRIBED

### ARTERIAL CANNULAE

АИЕРА

All Locations in

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Page 5 of 10

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1 AIEIRA Classification: T=Thermal Insulation, S=Structuring, M=Miscellaneous  
2 Material Sampled: Pipe Covering, Balter Blotting, Ceiling Tie, Floor 1401, Sheet Flooring, etc.  
3 Sample Composition: Homogeneous, Mixed, Layered

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Page 110

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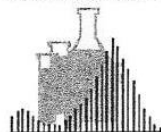
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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004  
**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 6

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 7A

Sampled By: N. MARICON

Date Analyzed: 11/08/19

| Sample ID   |                | Client-supplied Data |                            |          | Analytical Data            |       | Reported Results                                |                                              |
|-------------|----------------|----------------------|----------------------------|----------|----------------------------|-------|-------------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type              | Friable? | Texture/<br>Gross          | Color | Non-asbestiform<br>Components                   | Asbestiform Components                       |
| 1103569     | 7A-1A          | Throughout           | Aerocell TSI<br>Pipe       | Yes      | Fibrous<br><br>Homogeneous | Brown | 80% Cellulose<br>20% Non-fibrous<br>Material    | No Asbestos Found                            |
| 1103570     | 7A-1B          | Throughout           | Aerocell TSI<br>Pipe       | Yes      | Fibrous<br><br>Homogeneous | Brown | 80% Cellulose<br>20% Non-fibrous<br>Material    | No Asbestos Found                            |
| 1103571     | 7A-1C          | Throughout           | Aerocell TSI<br>Pipe       | Yes      | Fibrous<br><br>Homogeneous | Brown | 80% Cellulose<br>20% Non-fibrous<br>Material    | No Asbestos Found                            |
| 1103572     | 7A-2A          | Throughout           | Pipe Fitting<br>Insulation | Yes      | Fibrous<br><br>Homogeneous | White | 25% Mineral Wool<br>35% Non-fibrous<br>Material | 40% Chrysotile<br>Total Asbestos = 40%       |
| 1103573     | 7A-2B          | ** Throughout        | Pipe Fitting<br>Insulation | Yes      |                            |       |                                                 | Sample Not Analyzed<br>(positive stop rules) |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

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\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

\*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

\*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

\*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 6

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 7A

Sampled By: N.MARICON

Date Analyzed: 11/08/19

| Sample ID |         | Client-supplied Data |                            |          | Analytical Data                 |       | Reported Results                             |                                              |
|-----------|---------|----------------------|----------------------------|----------|---------------------------------|-------|----------------------------------------------|----------------------------------------------|
| Lab       | Client  | Sample               | Material                   |          | Texture/<br>Gross               | Color | Non-asbestiform<br>Components                | Asbestiform Components                       |
| Sample#   | Sample# | Description          | Type                       | Friable? |                                 |       |                                              |                                              |
| 1103574   | 7A-2C   | ** Throughout        | Pipe Fitting<br>Insulation | Yes      |                                 |       |                                              | Sample Not Analyzed<br>(positive stop rules) |
| 1103575   | 7A-3A   | Throughout           | Expansion<br>Joint         | No       | Cementitious<br><br>Homogeneous | Black | 100% Non-<br>fibrous Material                | No Asbestos Found                            |
| 1103576   | 7A-4A   | Throughout           | Drywall                    | No       | Firm<br><br>Homogeneous         | White | 10% Cellulose<br>90% Non-fibrous<br>Material | No Asbestos Found                            |
| 1103577   | 7A-4B   | Throughout           | Drywall                    | No       | Firm<br><br>Homogeneous         | White | 10% Cellulose<br>90% Non-fibrous<br>Material | No Asbestos Found                            |
| 1103578   | 7A-4C   | Throughout           | Drywall                    | No       | Firm<br><br>Homogeneous         | White | 10% Cellulose<br>90% Non-fibrous<br>Material | No Asbestos Found                            |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 6

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 7A

Sampled By: N.MARICON

Date Analyzed: 11/08/19

| Sample ID   |                | Client-supplied Data |                   |          | Analytical Data     |        | Reported Results              |                        |
|-------------|----------------|----------------------|-------------------|----------|---------------------|--------|-------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type     | Friable? | Texture/<br>Gross   | Color  | Non-asbestiform<br>Components | Asbestiform Components |
| 1103579     | 7A-5A          | Throughout           | Joint Compound    | No       | Firm<br>Homogeneous | White  | 100% Non-fibrous Material     | No Asbestos Found      |
| 1103580     | 7A-5B          | Throughout           | Joint Compound    | No       | Firm<br>Homogeneous | White  | 100% Non-fibrous Material     | No Asbestos Found      |
| 1103581     | 7A-5C          | Throughout           | Joint Compound    | No       | Firm<br>Homogeneous | White  | 100% Non-fibrous Material     | No Asbestos Found      |
| 1103582     | 7A-6A          | Throughout           | Covebase Adhesive | No       | Soft<br>Homogeneous | Yellow | 100% Non-fibrous Material     | No Asbestos Found      |
| 1103583     | 7A-6B          | Throughout           | Covebase Adhesive | No       | Soft<br>Homogeneous | Yellow | 100% Non-fibrous Material     | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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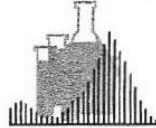
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EPA Lab ID #DE004



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 6

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC - BUILDING 7A

Date Sampled: n/a  
Sampled By: N. MARICON  
Date Analyzed: 11/08/19

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data   |       | Reported Results              |                                      |
|-------------|----------------|----------------------|------------------|----------|-------------------|-------|-------------------------------|--------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components | Asbestiform Components               |
| 1103584     | 7A-7A          | Throughout           | 12x12 Floor Tile | No       | Firm              | White | 100% Non-fibrous Material     | No Asbestos Found                    |
| Homogeneous |                |                      |                  |          |                   |       |                               |                                      |
| 1103585     | 7A-7B          | Throughout           | 12x12 Floor Tile | No       | Firm              | White | 100% Non-fibrous Material     | No Asbestos Found                    |
| Homogeneous |                |                      |                  |          |                   |       |                               |                                      |
| 1103586     | 7A-8A          | Throughout           | Mastic           | No       | Soft              | Black | 100% Non-fibrous Material     | No Asbestos Found                    |
| Homogeneous |                |                      |                  |          |                   |       |                               |                                      |
| 1103587     | 7A-8B          | Throughout           | Mastic           | No       | Soft              | Black | 100% Non-fibrous Material     | No Asbestos Found                    |
| Homogeneous |                |                      |                  |          |                   |       |                               |                                      |
| 1103588     | 7A-8C          | Throughout           | Mastic           | No       | Soft              | Black | 97% Non-fibrous Material      | 3% Chrysotile<br>Total Asbestos = 3% |
| Homogeneous |                |                      |                  |          |                   |       |                               |                                      |

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ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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NY ELAP LAB# 11993 for  
PCM, PLM, TEM & Lead

**batta**  
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Tel. (302) 737-3376 Fax (302) 737-5764

Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 6

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 7A

Sampled By: N. MARICON

Date Analyzed: 11/08/19

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data   |        | Reported Results              |                                              |
|-------------|----------------|----------------------|------------------|----------|-------------------|--------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/<br>Gross | Color  | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1103589     | 7A-9A          | Storage Area         | 9x9 Floor Tile   | No       | Firm              | Brown  | 95% Non-fibrous Material      | 5% Chrysotile<br>Total Asbestos = 5%         |
|             |                |                      |                  |          | Homogeneous       |        |                               |                                              |
| 1103590     | 7A-9B          | ** Storage Area      | 9x9 Floor Tile   | No       |                   |        |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1103591     | 7A-10A         | Storage Area         | 12x12 Linoleum   | No       | Firm              | Gray   | 100% Non-fibrous Material     | No Asbestos Found                            |
|             |                |                      |                  |          | Homogeneous       |        |                               |                                              |
| 1103592     | 7A-11A         | Storage Area         | Adhesive         | No       | Soft              | Yellow | 100% Non-fibrous Material     | No Asbestos Found                            |
|             |                |                      |                  |          | Homogeneous       |        |                               |                                              |
| 1103593     | 7A-12A         | Office               | 12x12 Floor Tile | No       | Firm              | Brown  | 100% Non-fibrous Material     | No Asbestos Found                            |
|             |                |                      |                  |          | Homogeneous       |        |                               |                                              |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEW

REVIEWED BY:

QA/QC Officer/Signatory

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 6 of 6

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/18/19

Date Sampled: n/a

Sampled By: N MARICON

Date Analyzed: 11/08/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - BUILDING 7A

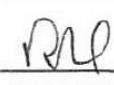
| Sample ID |         | Client-supplied Data |                     |          | Analytical Data            |       | Reported Results                                                 |                        |
|-----------|---------|----------------------|---------------------|----------|----------------------------|-------|------------------------------------------------------------------|------------------------|
| Lab       | Client  | Sample               | Material            |          | Texture/<br>Gross          | Color | Non-asbestiform<br>Components                                    | Asbestiform Components |
| Sample#   | Sample# | Description          | Type                | Friable? |                            |       |                                                                  |                        |
| 1103594   | 7A-12B  | Office               | 12x12 Floor<br>Tile | No       | Firm<br><br>Homogeneous    | Brown | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1103595   | 7A-13A  | Throughout           | Ceiling Tile        | No       | Fibrous<br><br>Homogeneous | Gray  | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found      |
| 1103596   | 7A-13B  | Throughout           | Ceiling Tile        | No       | Fibrous<br><br>Homogeneous | Gray  | 50% Cellulose 25%<br>Mineral Wool<br>25% Non-fibrous<br>Material | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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ANALYST: MEW

REVIEWED BY: 

QA/QC Officer/Signatory

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PLM DEPA DPOINT COUNT ENOB

# BULK SAMPLE DATA SHEET

DATE/TIME Results Required: 11/11/19 1000 HRS  
DATE/TIME Cert of Analysis Req: 11/11/19 1000 HRS  
Results to: JMS/Inspector Manager: JMS/SP/SL  
Client: Phone: Email: Fax:

Positive Stop Protocol

Project Name: NAVFAC - 3rd Party Air Monitoring  
Site Inspected / Address: NSA - 700 Robbins Street, Philadelphia, PA

Inspector(s): Nick Marcanda

Date Inspected: 11/11/19

BE# 772615L

| FIELD | SAMPLE NUMBER | MATERIAL SAMPLED        | AHRA CLASS | Wet CONDITION G/D/Wet / S/D/Dry | ALL LOCATIONS, Name & Circle Sample Locations (E1, E2, 0.1, 1.1, 1.3, 2.2, ...) | MATERIAL QUANTITY | COMPOSITION | SAMPLE COLOR | RESULTS % TYPE |
|-------|---------------|-------------------------|------------|---------------------------------|---------------------------------------------------------------------------------|-------------------|-------------|--------------|----------------|
|       |               |                         |            |                                 |                                                                                 |                   |             |              |                |
| 7A-1  | 583/589       | Acrocell TSI Pipe       | T          | G                               | Through                                                                         | 410 LF            | 4           | Grey         | ND             |
| 7A-2  | 583/587       | Pipe Fitting Insulation | T          | G                               | Through                                                                         | 10 LF             | 4           | White        | 40 Clay        |
| 7A-3  | 584/575       | Expansion Joint         | M          | G                               | Through                                                                         |                   | 4           | Black        | ND             |
| 7A-4  | 584/577       | Drywall                 | M          | G                               | Through                                                                         |                   | 4           | White        | ND             |
| 7A-5  | 584/582       | Joint compound          | M          | G                               | Through                                                                         |                   | 4           | Grey         | ND             |
| 7A-6  | 584/583       | Cove Base Adhesive      | M          | G                               | Through                                                                         |                   | 4           | Grey         | ND             |
| 7A-7  | 584/585       | 12x12 Floor tile        | M          | G                               | Through                                                                         |                   | 4           | White        | ND             |
| 7A-8  | 584/587       | Mastic                  | M          | G                               | Through                                                                         | 400 SF            | 4           | Black        | ND             |
| 7A-9  | 584/590       | 9x9 Floor tile          | M          | G                               | Through                                                                         | 400 SF            | 4           | Grey         | 5 Clay         |
| 7A-10 | 584/591       | 12x12 Lendrum           | M          | G                               | Through                                                                         |                   | 4           | Grey         | ND             |
| 7A-11 | 584/592       | Adhesive on Lendrum     | M          | G                               | Through                                                                         |                   | 4           | Grey         | ND             |
| 7A-12 | 584/594       | 12x12 Floor tile        | M          | G                               | Through                                                                         |                   | 4           | Grey         | ND             |
| 7A-13 | 584/596       | ceiling tile            | M          | G                               | Through                                                                         |                   | 4           | White        | ND             |
| ABC   |               |                         |            |                                 |                                                                                 |                   |             |              |                |
| ABC   |               |                         |            |                                 |                                                                                 |                   |             |              |                |

Relinquished By: [Signature] Date: 11/11/19 Time: 10:00  
Delivered By: [Signature] Date: 11/11/19 Time: 10:00  
Received By: [Signature] Date: 11/11/19 Time: 10:00

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/21/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 5AB - NSA - 700 ROBBINS ST., PHIL, PA

Sampled By: N. MARICON

Date Analyzed: 11/20/19

| Sample ID   |                | Client-supplied Data |                            |                            | Analytical Data   |       | Reported Results              |                                              |
|-------------|----------------|----------------------|----------------------------|----------------------------|-------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type              | Friable?                   | Texture/<br>Gross | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1105240     | 5-1A           | n/a                  | TSI Pipe<br>Insulation     | Yes                        | Fibrous           | White | 50% Non-<br>fibrous Material  | 50% Amosite<br>Total Asbestos = 50%          |
|             |                |                      |                            |                            | Heterogeneous     |       |                               |                                              |
| 1105241     | 5-1B           | **                   | n/a                        | TSI Pipe<br>Insulation     | Yes               |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1105242     | 5-1C           | **                   | n/a                        | TSI Pipe<br>Insulation     | Yes               |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1105243     | 5-2A           | n/a                  | Pipe Fitting<br>Insulation | Yes                        | Fibrous           | White | 50% Non-<br>fibrous Material  | 50% Amosite<br>Total Asbestos = 50%          |
|             |                |                      |                            |                            | Heterogeneous     |       |                               |                                              |
| 1105244     | 5-2B           | **                   | n/a                        | Pipe Fitting<br>Insulation | Yes               |       |                               | Sample Not Analyzed<br>(positive stop rules) |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/21/19

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 11/20/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - BUILDING 5AB - NSA - 700 ROBBINS ST., PHIL, PA

| Sample ID |         | Client-supplied Data |          |                                 | Analytical Data |                        | Reported Results                                           |                                              |
|-----------|---------|----------------------|----------|---------------------------------|-----------------|------------------------|------------------------------------------------------------|----------------------------------------------|
| Lab       | Client  | Sample               | Material |                                 | Texture/        |                        | Non-asbestiform                                            |                                              |
| Sample#   | Sample# | Description          | Type     | Friable?                        | Gross           | Color                  | Components                                                 | Asbestiform Components                       |
| 1105245   | 5-2C    | **                   | n/a      | Pipe Fitting<br>Insulation      | Yes             |                        |                                                            | Sample Not Analyzed<br>(positive stop rules) |
| 1105246   | 5-3A    |                      | n/a      | TSI Aerocell<br>(Large<br>Line) | Yes             | Paper-like<br><br>Gold | 15% Cellulose<br>10% Non-fibrous<br>Material               | 75% Chrysotile<br>Total Asbestos = 75%       |
|           |         |                      |          |                                 |                 | Heterogeneous          |                                                            |                                              |
| 1105247   | 5-3B    | **                   | n/a      | TSI Aerocell<br>(Large<br>Line) | Yes             |                        |                                                            | Sample Not Analyzed<br>(positive stop rules) |
| 1105248   | 5-3C    | **                   | n/a      | TSI Aerocell<br>(Large<br>Line) | Yes             |                        |                                                            | Sample Not Analyzed<br>(positive stop rules) |
| 1105249   | 5-4A    |                      | n/a      | Drywall                         | No              | Firm<br><br>White      | 5% Cellulose 2%<br>Fiber Glass 93%<br>Non-fibrous Material | No Asbestos Found                            |
|           |         |                      |          |                                 |                 | Homogeneous            |                                                            |                                              |

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ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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Dept. Code: PLM

Rev #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/21/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 5AB - NSA - 700 ROBBINS ST., PHIL, PA

Sampled By: N.MARICON

Date Analyzed: 11/20/19

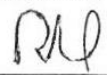
| Sample ID |         | Client-supplied Data |                |          | Analytical Data |       | Reported Results                                           |                        |
|-----------|---------|----------------------|----------------|----------|-----------------|-------|------------------------------------------------------------|------------------------|
| Lab       | Client  | Sample               | Material       |          | Texture/        |       | Non-asbestiform                                            |                        |
| Sample#   | Sample# | Description          | Type           | Friable? | Gross           | Color | Components                                                 | Asbestiform Components |
| 1105250   | 5-4B    | n/a                  | Drywall        | No       | Firm            | White | 5% Cellulose 2%<br>Fiber Glass 93%<br>Non-fibrous Material | No Asbestos Found      |
|           |         |                      |                |          | Homogeneous     |       |                                                            |                        |
| 1105251   | 5-4C    | n/a                  | Drywall        | No       | Firm            | White | 5% Cellulose 2%<br>Fiber Glass 93%<br>Non-fibrous Material | No Asbestos Found      |
|           |         |                      |                |          | Homogeneous     |       |                                                            |                        |
| 1105252   | 5-5A    | n/a                  | Joint Compound | No       | Soft            | White | 100% Non-fibrous Material                                  | No Asbestos Found      |
|           |         |                      |                |          | Homogeneous     |       |                                                            |                        |
| 1105253   | 5-5B    | n/a                  | Joint Compound | No       | Soft            | White | 100% Non-fibrous Material                                  | No Asbestos Found      |
|           |         |                      |                |          | Homogeneous     |       |                                                            |                        |
| 1105254   | 5-5C    | n/a                  | Joint Compound | No       | Soft            | White | 100% Non-fibrous Material                                  | No Asbestos Found      |
|           |         |                      |                |          | Homogeneous     |       |                                                            |                        |

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ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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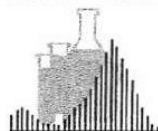
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EPA Lab ID #DE004



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/21/19

Date Sampled: n/a

Sampled By: N.MARICON

Date Analyzed: 11/20/19

### Sampling Data

BLI Project #: L136519

Project Name: 772615L NAVFAC - BUILDING 5AB - NSA - 700 ROBBINS ST., PHIL, PA

| Sample ID |         | Client-supplied Data |                      |          | Analytical Data |        | Reported Results                                                 |                        |
|-----------|---------|----------------------|----------------------|----------|-----------------|--------|------------------------------------------------------------------|------------------------|
| Lab       | Client  | Sample               | Material             |          | Texture/        |        | Non-asbestiform                                                  |                        |
| Sample#   | Sample# | Description          | Type                 | Friable? | Gross           | Color  | Components                                                       | Asbestiform Components |
| 1105255   | 5-6A    | n/a                  | Cove- Base<br>Mastic | No       | Soft            | Yellow | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
|           |         |                      |                      |          | Homogeneous     |        |                                                                  |                        |
| 1105256   | 5-6B    | n/a                  | Cove- Base<br>Mastic | No       | Soft            | Yellow | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
|           |         |                      |                      |          | Homogeneous     |        |                                                                  |                        |
| 1105257   | 5-7A    | n/a                  | Ceiling Tile         | No       | Fibrous         | Gray   | 60% Cellulose 20%<br>Mineral Wool<br>20% Non-fibrous<br>Material | No Asbestos Found      |
|           |         |                      |                      |          | Homogeneous     |        |                                                                  |                        |
| 1105258   | 5-7B    | n/a                  | Ceiling Tile         | No       | Fibrous         | Gray   | 60% Cellulose 20%<br>Mineral Wool<br>20% Non-fibrous<br>Material | No Asbestos Found      |
|           |         |                      |                      |          | Homogeneous     |        |                                                                  |                        |
| 1105259   | 5-7C    | n/a                  | Ceiling Tile         | No       | Fibrous         | Gray   | 60% Cellulose 20%<br>Mineral Wool<br>20% Non-fibrous<br>Material | No Asbestos Found      |
|           |         |                      |                      |          | Homogeneous     |        |                                                                  |                        |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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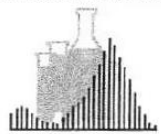
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 5

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/21/19

### Sampling Data

BLI Project #: L136519

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 5AB - NSA - 700 ROBBINS ST., PHIL, PA

Sampled By: N.MARICON

Date Analyzed: 11/20/19

| Sample ID   |                | Client-supplied Data |                  | Analytical Data      |                | Reported Results           |                        |
|-------------|----------------|----------------------|------------------|----------------------|----------------|----------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Texture/<br>Friable? | Gross Color    | Non-asbestiform Components | Asbestiform Components |
| 1105260     | 5-8A           | n/a                  | 12x12 Floor Tile | No                   | Firm<br>Beige  | 100% Non-fibrous Material  | No Asbestos Found      |
| Homogeneous |                |                      |                  |                      |                |                            |                        |
| 1105261     | 5-8B           | n/a                  | 12x12 Floor Tile | No                   | Firm<br>Beige  | 100% Non-fibrous Material  | No Asbestos Found      |
| Homogeneous |                |                      |                  |                      |                |                            |                        |
| 1105262     | 5-9A           | n/a                  | Vinyl Floor      | No                   | Soft<br>Orange | 100% Non-fibrous Material  | No Asbestos Found      |
| Homogeneous |                |                      |                  |                      |                |                            |                        |

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ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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PLM DEFA

# BULK SAMPLE DATA SHEET

DEFA

BL# 134619  
Positive Stop Protocol

Project Name: NAVFAC - 3rd Party Air Monitoring

Site Inspected / Address: NSA - 700 Robbins Street, Philadelphia, PA

Inspector(s): Nick Maricanda

Date Inspected: 11/15/19

Date/Time Results Required: 11/20/19 1200 HRS  
Date/Time Cert of Analysis Req: 11/20/19 1200 HRS  
Results to: Inspector: SW/11/19  
Client: SW/11/19  
Phone: SW/11/19  
Fax: SW/11/19  
Email: SW/11/19

| FIELD | SAMPLE NUMBER | MATERIAL SAMPLED          | AHERA CLASS | CONDITION | ALL LOCATIONS, Name & Circle Sample Locations | MATERIAL QUANTITY | SAMPLE COMPOSITION | COLOR | % RESULTS | TYPE |
|-------|---------------|---------------------------|-------------|-----------|-----------------------------------------------|-------------------|--------------------|-------|-----------|------|
|       |               |                           |             |           |                                               |                   |                    |       |           |      |
| 5-1   | 1105-240/241  | TSI Pipe Insulation       | T           | G         | N B                                           | 850LF             | 1+                 | 74/44 | 50        | Amos |
| 5-2   | 243/244       | Pipe Fitting Ins.         | T           | G         | N B                                           | 15EA              | 1+                 | 44+   | 50        | Amos |
| 5-3   | 245           | TSI Acrocell (Large Vent) | T           | G         | N B                                           | 135LF             | 1+                 | 44+   | 75        | dry  |
| 5-4   | 246/247       | Drywall                   | M           | G         | N B A                                         | 74                | 1+                 | 44+   | ND        | NAD  |
| 5-5   | 251           | Joint Compound            | M           | G         | N B A                                         | 1+                | 1+                 | 44+   | 1         | 1    |
| 5-6   | 254/255       | Cove-base mastic          | M           | G         | N B A                                         | 1+                | 1+                 | 44+   | 1         | 1    |
| 5-7   | 256/257       | ceiling tile              | M           | G         | N B A                                         | 1+                | 1+                 | 44+   | 1         | 1    |
| 5-8   | 258/259       | Floor tile 12x12          | M           | G         | N A                                           | 1+                | 1+                 | 44+   | 1         | 1    |
| 5-9   | 260/261       | Vinyl Floor               | M           | G         | N A                                           | 1+                | 1+                 | 44+   | 1         | 1    |
| ABC   |               |                           |             |           |                                               |                   |                    |       |           |      |
| ABC   |               |                           |             |           |                                               |                   |                    |       |           |      |
| ABC   |               |                           |             |           |                                               |                   |                    |       |           |      |
| ABC   |               |                           |             |           |                                               |                   |                    |       |           |      |
| ABC   |               |                           |             |           |                                               |                   |                    |       |           |      |
| ABC   |               |                           |             |           |                                               |                   |                    |       |           |      |
| ABC   |               |                           |             |           |                                               |                   |                    |       |           |      |

Requisitioned By: [Signature] Date: 11/15/19 Time: 11:51 AM  
Delivered By: [Signature] Date: 11/15/19 Time: 11:51 AM  
Received By: [Signature] Date: 11/15/19 Time: 08:00 AM

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data |               |          | Analytical Data            |              | Reported Results                             |                                                       |
|-------------|----------------|----------------------|---------------|----------|----------------------------|--------------|----------------------------------------------|-------------------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type | Friable? | Texture/<br>Gross          | Color        | Non-asbestiform<br>Components                | Asbestiform Components                                |
| 1108581     | 26-1A          | Throughout           | TSI           | Yes      | Fibrous<br><br>Homogeneous | White        | 2% Cellulose<br>56% Non-fibrous<br>Material  | 25% Chrysotile<br>15% Amosite<br>Total Asbestos = 40% |
| 1108582     | 26-1B          | ** Throughout        | TSI           | Yes      |                            |              |                                              | Sample Not Analyzed<br>(positive stop rules)          |
| 1108583     | 26-1C          | ** Throughout        | TSI           | Yes      |                            |              |                                              | Sample Not Analyzed<br>(positive stop rules)          |
| 1108584     | 26-2A          | Throughout           | TSI Arocell   | Yes      | Fibrous<br><br>Homogeneous | Brown        | 75% Cellulose<br>25% Non-fibrous<br>Material | No Asbestos Found                                     |
| 1108585     | 26-2B          | Throughout           | TSI Arocell   | Yes      | Fibrous<br><br>Homogeneous | Tan<br>Black | 90% Cellulose<br>8% Non-fibrous<br>Material  | 2% Chrysotile<br>Total Asbestos = 2%                  |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

QA/QC Officer/Signatory

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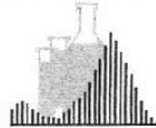
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data     |       |                            | Reported Results                                      |  |
|-------------|----------------|----------------------|------------------|----------|---------------------|-------|----------------------------|-------------------------------------------------------|--|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/ Gross      | Color | Non-asbestiform Components | Asbestiform Components                                |  |
| 1108586     | 26-2C          | ** Throughout        | TSI Arocell      | Yes      |                     |       |                            | Sample Not Analyzed (positive stop rules)             |  |
| 1108587     | 26-3A          | Throughout           | TSI Pipe Fitting | Yes      | Fibrous Homogeneous | White | 55% Non-fibrous Material   | 20% Amosite<br>25% Chrysotile<br>Total Asbestos = 46% |  |
| 1108588     | 26-3B          | ** Throughout        | TSI Pipe Fitting | Yes      |                     |       |                            | Sample Not Analyzed (positive stop rules)             |  |
| 1108589     | 26-3C          | ** Throughout        | TSI Pipe Fitting | Yes      |                     |       |                            | Sample Not Analyzed (positive stop rules)             |  |
| 1108590     | 26-4A          | Lobby/Offices        | 12x12 FT         | No       | Firm Homogeneous    | Gray  | 100% Non-fibrous Material  | No Asbestos Found                                     |  |

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ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: RME

QA/QC Officer/Signatory

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N.MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data               |               |          | Analytical Data   |       | Reported Results              |                                      |
|-------------|----------------|------------------------------------|---------------|----------|-------------------|-------|-------------------------------|--------------------------------------|
| Lab Sample# | Client Sample# | Sample Description                 | Material Type | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components | Asbestiform Components               |
| 1108591     | 26-4B          | Lobby/Offices                      | 12x12 FT      | No       | Firm              | Gray  | 92% Non-fibrous Material      | 8% Chrysotile<br>Total Asbestos = 8% |
| Homogeneous |                |                                    |               |          |                   |       |                               |                                      |
| 1108592     | 26-5A          | Throughout                         | Mastic        | No       | Firm              | Black | 100% Non-fibrous Material     | No Asbestos Found                    |
| Homogeneous |                |                                    |               |          |                   |       |                               |                                      |
| 1108593     | 26-5B          | Throughout                         | Mastic        | No       | Firm              | Black | 100% Non-fibrous Material     | No Asbestos Found                    |
| Homogeneous |                |                                    |               |          |                   |       |                               |                                      |
| 1108594     | 26-5C          | Throughout                         | Mastic        | No       | Firm              | Black | 100% Non-fibrous Material     | No Asbestos Found                    |
| Homogeneous |                |                                    |               |          |                   |       |                               |                                      |
| 1108595     | 26-6A          | Small Office - Center<br>Stairwell | 9x9 FT        | No       | Firm              | Green | 93% Non-fibrous Material      | 7% Chrysotile<br>Total Asbestos = 7% |
| Homogeneous |                |                                    |               |          |                   |       |                               |                                      |

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ANALYST: \_\_\_\_\_ REP \_\_\_\_\_

REVIEWED BY: RM

QA/QC Officer/Signatory

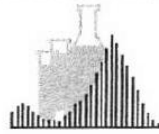
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data            |               |          | Analytical Data     |       | Reported Results              |                                              |
|-------------|----------------|---------------------------------|---------------|----------|---------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description              | Material Type | Friable? | Texture/<br>Gross   | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1108596     | 26-6B          | Small Office - Center Stairwell | 9x9 FT        | No       |                     |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1108597     | 26-7A          | Elevator Room Lobby             | 12x12 FT      | No       | Firm<br>Homogeneous | Brown | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1108598     | 26-7B          | Elevator Room Lobby             | 12x12 FT      | No       | Firm<br>Homogeneous | Brown | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1108599     | 26-8A          | Men Room                        | 12x12 FT      | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material     | No Asbestos Found                            |
| 1108600     | 26-8B          | Men Room                        | 12x12 FT      | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material     | No Asbestos Found                            |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: REP

REVIEWED BY: *RME*

QA/QC Officer/Signatory

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\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

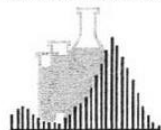
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data |                     |          | Analytical Data   |              | Reported Results                                            |                        |
|-------------|----------------|----------------------|---------------------|----------|-------------------|--------------|-------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type       | Friable? | Texture/<br>Gross | Color        | Non-asbestiform<br>Components                               | Asbestiform Components |
| 1108601     | 26-9A          | Throughout           | Cove Base<br>Mastic | No       | Firm              | Gold         | 100% Non-fibrous Material                                   | No Asbestos Found      |
| Homogeneous |                |                      |                     |          |                   |              |                                                             |                        |
| 1108602     | 26-9B          | Throughout           | Cove Base<br>Mastic | No       | Firm              | White        | 100% Non-fibrous Material                                   | No Asbestos Found      |
| Homogeneous |                |                      |                     |          |                   |              |                                                             |                        |
| 1108603     | 26-10A         | Throughout           | Drywall             | No       | Firm              | White<br>Tan | 15% Cellulose<br>2% Fiber Glass<br>83% Non-fibrous Material | No Asbestos Found      |
| Homogeneous |                |                      |                     |          |                   |              |                                                             |                        |
| 1108604     | 26-10B         | Throughout           | Drywall             | No       | Firm              | White<br>Tan | 25% Cellulose<br>75% Non-fibrous Material                   | No Asbestos Found      |
| Homogeneous |                |                      |                     |          |                   |              |                                                             |                        |
| 1108605     | 26-10C         | Throughout           | Drywall             | No       | Firm              | White<br>Tan | 25% Cellulose<br>75% Non-fibrous Material                   | No Asbestos Found      |
| Homogeneous |                |                      |                     |          |                   |              |                                                             |                        |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: \_\_\_\_\_ REP \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

QA/QC Officer/Signatory

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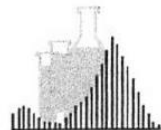
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EPA Lab ID #DE004



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 6 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data |                |          | Analytical Data        |       | Reported Results                                                 |                        |
|-------------|----------------|----------------------|----------------|----------|------------------------|-------|------------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type  | Friable? | Texture/<br>Gross      | Color | Non-asbestiform<br>Components                                    | Asbestiform Components |
| 1108606     | 26-11A         | Throughout           | Joint Compound | No       | Firm<br>Homogeneous    | White | 100% Non-fibrous Material                                        | No Asbestos Found      |
| 1108607     | 26-11B         | Throughout           | Joint Compound | No       | Firm<br>Homogeneous    | White | 100% Non-fibrous Material                                        | No Asbestos Found      |
| 1108608     | 26-11C         | Throughout           | Joint Compound | No       | Firm<br>Homogeneous    | White | 100% Non-fibrous Material                                        | No Asbestos Found      |
| 1108609     | 26-12A         | Throughout           | Ceiling Tile   | No       | Fibrous<br>Homogeneous | White | 40% Cellulose 15%<br>Mineral Wool<br>45% Non-fibrous<br>Material | No Asbestos Found      |
| 1108610     | 26-12B         | Throughout           | Ceiling Tile   | No       | Fibrous<br>Homogeneous | White | 40% Cellulose 15%<br>Mineral Wool<br>45% Non-fibrous<br>Material | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

QA/QC Officer/Signatory

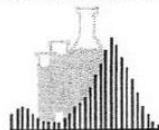
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EPA Lab ID #DE004



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 7 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772515L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N. MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data   |               |          | Analytical Data     |           | Reported Results              |                        |
|-------------|----------------|------------------------|---------------|----------|---------------------|-----------|-------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description     | Material Type | Friable? | Texture/<br>Gross   | Color     | Non-asbestiform<br>Components | Asbestiform Components |
| 1108611     | 25-13A         | Throughout             | Skim Coat     | No       | Firm<br>Homogeneous | White     | 100% Non-fibrous Material     | No Asbestos Found      |
| 1108612     | 25-13B         | Throughout             | Skim Coat     | No       | Firm<br>Homogeneous | White     | 100% Non-fibrous Material     | No Asbestos Found      |
| 1108613     | 25-13C         | Throughout             | Skim Coat     | No       | Firm<br>Homogeneous | White     | 100% Non-fibrous Material     | No Asbestos Found      |
| 1108614     | 25-14A         | (5) Mens Room Entrance | Floor Tile    | No       | Firm<br>Homogeneous | Gray Pink | 100% Non-fibrous Material     | No Asbestos Found      |
| 1108615     | 25-14B         | (5) Mens Room Entrance | Floor Tile    | No       | Firm<br>Homogeneous | Gray Pink | 100% Non-fibrous Material     | No Asbestos Found      |

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ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: RUE

QA/QC Officer/Signatory

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Ph (302) 737-3326  
Fx (302) 737-5764  
www.bataenv.com

**BULK SAMPLE DATA SHEET**

BLF: L136619  
Positive Stop Protocol

Project Name: **NAVFAC - 3rd Party Air Monitoring**  
Site Inspected / Address: **NSA - 700 Robbins Street, Philadelphia, PA**  
Inspector(s): **Nick Marcondes**  
B.I. #: \_\_\_\_\_

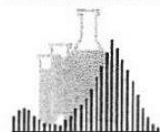
Date Inspected: **1/13/19**

Date/Time Results Required: **2/13/19 1000 HRS**  
Date/Time Cert of Analysis Req: **2/13/19 1000 HRS**  
Results to: **Client**  
Client: **NAVFAC**  
Phone: **302-737-3326**  
Fax: **302-737-5764**  
E-mail: **nick.marcondes@bataenv.com**

| FIELD | SAMPLE NUMBER | MATERIAL SAMPLED | ASBESTOS CLASS | ANALYSIS CONDITION | ALL LOCATIONS, Name & Circle Sample Locations (E, E2, 0.1, 1.1, 1.3, 2.2, ...) | ANALYSIS QUANTITY | SAMPLE COMPOSITION | COLOR | RESULTS | TYPE |
|-------|---------------|------------------|----------------|--------------------|--------------------------------------------------------------------------------|-------------------|--------------------|-------|---------|------|
|       |               |                  |                |                    |                                                                                |                   |                    |       |         |      |
| 26-10 | 512/583       | TSI              | T              | G                  | Thorough                                                                       | 1,850 LF          |                    | White | 25      | ANAD |
| 26-2  | 583/586       | TSI Asocell      | T              | G                  | Thorough                                                                       | 1,850 LF          |                    | White | 25      | ANAD |
| 26-3  | 583/587       | TSI Pipe fitting | T              | G                  | Thorough                                                                       | 120 EA            |                    | White | 25      | ANAD |
| 26-4  | 570           | 12x12 FT         | M              | G                  | Lobby / offices                                                                | 5,800 SF          |                    | Beige | 25      | ANAD |
| 26-5  | 572           | Metal            | M              | G                  | Thorough                                                                       |                   |                    | Black | 25      | ANAD |
| 26-6  | 575/574       | 9x9 FT           | M              | G                  | Small office / center stairwell                                                | 700 SF            |                    | Black | 25      | ANAD |
| 26-7  | 574           | 12x12 FT         | M              | G                  | Elevator lobby                                                                 |                   |                    | Black | 25      | ANAD |
| 26-8  | 579           | 12x12 FT         | M              | G                  | Men's room                                                                     |                   |                    | White | 25      | ANAD |
| 26-9  | 601           | Cove base metal  | M              | G                  | Thorough                                                                       |                   |                    | White | 25      | ANAD |
| 26-10 | 604/605       | Drywall          | M              | G                  | Thorough                                                                       |                   |                    | White | 25      | ANAD |
| 26-11 | 607/608       | Joint compound   | M              | G                  | Thorough                                                                       |                   |                    | White | 25      | ANAD |
| 26-12 | 609           | Ceiling tile     | M              | G                  | Thorough                                                                       |                   |                    | White | 25      | ANAD |
| 26-13 | 611           | Skim coat whp    | M              | G                  | Thorough                                                                       |                   |                    | White | 25      | ANAD |
| 26-14 | 617           | Floor tile       | M              | G                  | (5) Men's room entrance                                                        |                   |                    | Grey  | 25      | ANAD |
| ABC   | 615           |                  | M              | G                  |                                                                                |                   |                    | Grey  | 25      | ANAD |

Relinquished By: **NAVFAC** Date: **1/13/19** Time: **1000**  
Delivered By: **NAVFAC** Date: **1/13/19** Time: **1000**  
Received By: **NAVFAC** Date: **1/13/19** Time: **1000**  
Delivered By: **NAVFAC** Date: **1/13/19** Time: **1000**  
Received By: **NAVFAC** Date: **1/13/19** Time: **1000**

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EPA Lab ID #DE004



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 8

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N.MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data |                |          | Analytical Data     |              | Reported Results                                        |                        |  |
|-------------|----------------|----------------------|----------------|----------|---------------------|--------------|---------------------------------------------------------|------------------------|--|
| Lab Sample# | Client Sample# | Sample Description   | Material Type  | Friable? | Texture/<br>Gross   | Color        | Non-asbestiform<br>Components                           | Asbestiform Components |  |
| 1108544     | 2-1A           | 2B,2C,2D Throughout  | Drywall        | No       | Firm<br>Homogeneous | White<br>Tan | 5% Cellulose<br>Fiber Glass<br>90% Non-fibrous Material | No Asbestos Found      |  |
| 1108545     | 2-1B           | 2B,2C,2D Throughout  | Drywall        | No       | Firm<br>Homogeneous | White<br>Tan | 15% Cellulose<br>85% Non-fibrous Material               | No Asbestos Found      |  |
| 1108546     | 2-1C           | 2B,2C,2D Throughout  | Drywall        | No       | Firm<br>Homogeneous | White<br>Tan | 15% Cellulose<br>85% Non-fibrous Material               | No Asbestos Found      |  |
| 1108547     | 2-2A           | 2B,2C,2D Throughout  | Joint Compound | No       | Firm<br>Homogeneous | White        | 100% Non-fibrous Material                               | No Asbestos Found      |  |
| 1108548     | 2-2B           | 2B,2C,2D Throughout  | Joint Compound | No       | Firm<br>Homogeneous | White        | 100% Non-fibrous Material                               | No Asbestos Found      |  |

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ANALYST: REP

REVIEWED BY:

QA/QC Officer/Signatory

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

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## CERTIFICATE OF PLM ANALYSIS

Page 2 of 8

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 01/03/20

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N.MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data |                              |          | Analytical Data   |       | Reported Results                                           |                                              |
|-------------|----------------|----------------------|------------------------------|----------|-------------------|-------|------------------------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type                | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components                              | Asbestiform Components                       |
| 1108549     | 2-2C           | 2B,2C,2D Throughout  | Joint Compound               | No       | Firm              | White | 100% Non-fibrous Material                                  | No Asbestos Found                            |
|             |                |                      |                              |          | Homogeneous       |       |                                                            |                                              |
| 1108550     | 2-3A           | 2B,2C,2D Throughout  | 2x4 Ceiling Tile             | No       | Fibrous           | White | 40% Cellulose 15% Mineral Wool<br>45% Non-fibrous Material | No Asbestos Found                            |
|             |                |                      |                              |          | Homogeneous       |       |                                                            |                                              |
| 1108551     | 2-3B           | 2B,2C,2D Throughout  | 2x4 Ceiling Tile             | No       | Fibrous           | Tan   | 40% Cellulose 15% Mineral Wool<br>45% Non-fibrous Material | No Asbestos Found                            |
|             |                |                      |                              |          | Homogeneous       |       |                                                            |                                              |
| 1108552     | 2-4A           | 2B,2C                | TSI Aerocell Pipe Insulation | Yes      | Fibrous           | Tan   | 30% Cellulose 45% Non-fibrous Material                     | 25% Chrysotile<br>Total Asbestos = 25%       |
|             |                |                      |                              |          | Layered           |       |                                                            |                                              |
| 1108553     | 2-4B           | ** 2B,2C             | TSI Aerocell Pipe Insulation | Yes      |                   |       |                                                            | Sample Not Analyzed<br>(positive stop rules) |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

QA/QC Officer/Signatory

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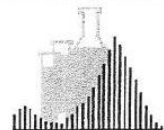
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\*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole'. Within this classification are: winchite, richterite, tremolite, and actinolite.

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EPA Lab ID #DE004

NVLAP  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 8

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

Date Sampled: n/a

Sampled By: N.MARICON

Date Analyzed: 12/12/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

| Sample ID   |                | Client-supplied Data |                     |                                    | Analytical Data            |                | Reported Results                            |                                              |
|-------------|----------------|----------------------|---------------------|------------------------------------|----------------------------|----------------|---------------------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type       | Frangible?                         | Texture/<br>Gross          | Color          | Non-asbestiform<br>Components               | Asbestiform Components                       |
| 1108554     | 2-4C           | **                   | 2B,2C               | TSI Aerocell<br>Pipe<br>Insulation | Yes                        |                |                                             | Sample Not Analyzed<br>(positive stop rules) |
| 1108555     | 2-5A           | 2B,2C,2D Throughout  | Cove Base<br>Mastic | No                                 | Firm<br><br>Homogeneous    | Tan            | 100% Non-<br>fibrous Material               | No Asbestos Found                            |
| 1108556     | 2-5B           | 2B,2C,2D Throughout  | Cove Base<br>Mastic | No                                 | Firm<br><br>Homogeneous    | White          | 100% Non-<br>fibrous Material               | No Asbestos Found                            |
| 1108557     | 2-5C           | 2B,2C,2D Throughout  | Cove Base<br>Mastic | No                                 | Firm<br><br>Heterogeneous  | Brown<br>Black | 100% Non-<br>fibrous Material               | No Asbestos Found                            |
| 1108558     | 2-6A           | 2B                   | 1x1 Ceiling<br>Tile | No                                 | Fibrous<br><br>Homogeneous | Brown          | 98% Cellulose<br>2% Non-fibrous<br>Material | No Asbestos Found                            |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

QA/QC Officer/Signatory

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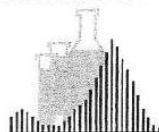
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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 8

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data            |       | Reported Results                         |                        |
|-------------|----------------|----------------------|------------------|----------|----------------------------|-------|------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/<br>Gross          | Color | Non-asbestiform<br>Components            | Asbestiform Components |
| 1108559     | 2-6B           | 2B                   | 1x1 Ceiling Tile | No       | Fibrous<br><br>Homogeneous | Brown | 98% Cellulose<br>2% Non-fibrous Material | No Asbestos Found      |
| 1108560     | 2-7A           | 2B                   | 12x12 FT         | No       | Firm<br><br>Homogeneous    | Green | 100% Non-fibrous Material                | No Asbestos Found      |
| 1108561     | 2-7B           | 2B                   | 12x12 FT         | No       | Firm<br><br>Homogeneous    | Green | 100% Non-fibrous Material                | No Asbestos Found      |
| 1108562     | 2-8A           | 2B                   | 12x12 FT         | No       | Firm<br><br>Homogeneous    | Tan   | 100% Non-fibrous Material                | No Asbestos Found      |
| 1108563     | 2-8B           | 2B                   | 12x12 FT         | No       | Firm<br><br>Homogeneous    | Tan   | 100% Non-fibrous Material                | No Asbestos Found      |

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**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

QA/QC Officer/Signatory

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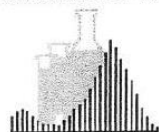
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 8

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Date Sampled: n/a  
Sampled By: N. MARICON  
Date Analyzed: 12/12/19

| Sample ID |         | Client-supplied Data |                  |                  | Analytical Data |       | Reported Results                             |                                                      |
|-----------|---------|----------------------|------------------|------------------|-----------------|-------|----------------------------------------------|------------------------------------------------------|
| Lab       | Client  | Sample               | Material         |                  | Texture/        |       | Non-asbestiform                              |                                                      |
| Sample#   | Sample# | Description          | Type             | Friable?         | Gross           | Color | Components                                   | Asbestiform Components                               |
| 1108564   | 2-9A    | 2B                   | TSI Pipe Fitting | Yes              | Fibrous         | Gray  | 30% Mineral Wool<br>70% Non-fibrous Material | No Asbestos Found                                    |
|           |         |                      |                  |                  | Homogeneous     |       |                                              |                                                      |
| 1108565   | 2-9B    | 2B                   | TSI Pipe Fitting | Yes              | Fibrous         | White | 80% Non-fibrous Material                     | 15% Amosite<br>5% Chrysotile<br>Total Asbestos = 20% |
|           |         |                      |                  |                  | Homogeneous     |       |                                              |                                                      |
| 1108566   | 2-9C    | **                   | 2B               | TSI Pipe Fitting | Yes             |       |                                              | Sample Not Analyzed<br>(positive step rules)         |
|           |         |                      |                  |                  |                 |       |                                              |                                                      |
| 1108567   | 2-10A   | 2C Throughout        | 12x12 FT         | No               | Firm            | Gray  | 100% Non-fibrous Material                    | No Asbestos Found                                    |
|           |         |                      |                  |                  | Homogeneous     |       |                                              |                                                      |
| 1108568   | 2-10B   | 2C Throughout        | 12x12 FT         | No               | Firm            | Gray  | 100% Non-fibrous Material                    | No Asbestos Found                                    |
|           |         |                      |                  |                  | Homogeneous     |       |                                              |                                                      |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: \_\_\_\_\_ REP

REVIEWED BY: \_\_\_\_\_

QA/QC Officer/Signatory

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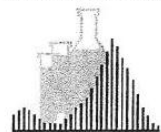
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 6 of 8

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 12/12/19

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

| Sample ID   |                | Client-supplied Data |               |          | Analytical Data       |             | Reported Results              |                        |
|-------------|----------------|----------------------|---------------|----------|-----------------------|-------------|-------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type | Friable? | Texture/<br>Gross     | Color       | Non-asbestiform<br>Components | Asbestiform Components |
| 1108569     | 2-11A          | 2C                   | 12x12 FT      | No       | Firm<br>Homogeneous   | Gray        | 100% Non-fibrous Material     | No Asbestos Found      |
| 1108570     | 2-11B          | 2C                   | 12x12 FT      | No       | Firm<br>Homogeneous   | Gray        | 100% Non-fibrous Material     | No Asbestos Found      |
| 1108571     | 2-12A          | 2B,2C,2D Throughout  | Mastic        | No       | Firm<br>Homogeneous   | Gray        | 100% Non-fibrous Material     | No Asbestos Found      |
| 1108572     | 2-12B          | 2B,2C,2D Throughout  | Mastic        | No       | Firm<br>Heterogeneous | Black Brown | 100% Non-fibrous Material     | No Asbestos Found      |
| 1108573     | 2-12C          | 2B,2C,2D Throughout  | Mastic        | No       | Firm<br>Homogeneous   | Black       | 100% Non-fibrous Material     | No Asbestos Found      |

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ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_

QA/QC Officer/Signatory

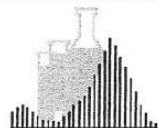
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EPA Lab ID #DE004

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Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 7 of 8

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N.MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data   |               |          | Analytical Data     |       | Reported Results              |                                                |
|-------------|----------------|------------------------|---------------|----------|---------------------|-------|-------------------------------|------------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description     | Material Type | Friable? | Texture/<br>Gross   | Color | Non-asbestiform<br>Components | Asbestiform Components                         |
| 1108574     | 2-12D          | 2B,2C,2D Throughout    | Mastic        | No       | Firm<br>Homogeneous | Black | 100% Non-fibrous Material     | No Asbestos Found                              |
| 1108575     | 2-13A          | 2C Library / Office    | 9x9 FT        | No       | Firm<br>Homogeneous | Green | 90% Non-fibrous Material      | 10% Chrysotile<br>Total Asbestos = 10%         |
| 1108576     | 2-13B          | ** 2C Library / Office | 9x9 FT        | No       |                     |       |                               | Sample Not Analyzed<br>(positive stop results) |
| 1108577     | 2-14A          | 2C                     | 12x12 FT      | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material     | No Asbestos Found                              |
| 1108578     | 2-14B          | 2C                     | 12x12 FT      | No       | Firm<br>Homogeneous | White | 100% Non-fibrous Material     | No Asbestos Found                              |

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ANALYST: \_\_\_\_\_ REP: \_\_\_\_\_

REVIEWED BY: RLO

QA/QC Officer/Signatory

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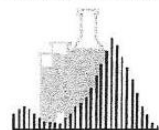
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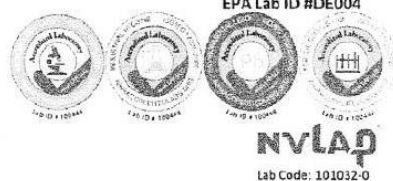
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Web: <http://www.battaenv.com> E-mail: [battaenv@battaenv.com](mailto:battaenv@battaenv.com)



Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 8 of 8

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/13/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - NSA - 700 ROBBINS ST., PHILADELPHIA, PA

Sampled By: N.MARICON

Date Analyzed: 12/12/19

| Sample ID   |                | Client-supplied Data |               |          | Analytical Data   |       | Reported Results              |                                              |
|-------------|----------------|----------------------|---------------|----------|-------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type | Friable? | Texture/<br>Gross | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1108579     | 2-15A          | 2D                   | 12x12 FT      | No       | Firm              | Gray  | 97% Non-fibrous Material      | 3% Chrysotile<br>Total Asbestos = 3%         |
|             |                |                      |               |          | Homogeneous       |       |                               |                                              |
| 1108580     | 2-15B          | **                   | 2D            | 12x12 FT | No                |       |                               | Sample Not Analyzed<br>(positive stop rules) |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: REP

REVIEWED BY:

QA/QC Officer/Signatory

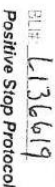
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\*\* This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

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—

| SAMPLE NUMBER | MATERIAL SAMPLED       | AREA CLASS | COND. G/D | ALL LOCATIONS, Name & Circle Sample Locations (E1, E2, 01, 11, 13, 22, ...) | MATERIAL QUANTITY | SAMPLE      |       | RESULTS |       |
|---------------|------------------------|------------|-----------|-----------------------------------------------------------------------------|-------------------|-------------|-------|---------|-------|
|               |                        |            |           |                                                                             |                   | COMPOSITION | COLOR | %       | TYPE  |
| 2-1 (ABC)     | Drywall                | M          | G         | 2B, 2C, 2D Thruout                                                          |                   | 14          | wht   | 100     |       |
| 2-2 (ABC)     | Joint Compound         | M          | G         | 2B, 2C, 2D Thruout                                                          |                   | 14          | wht   | 100     |       |
| 2-3 (ABC)     | 3x7 ceiling tile       | M          | G         | 2B, 2C, 2D Thruout                                                          |                   | 14          | wht   | 100     |       |
| 2-4 (ABC)     | TSI Accecell Pipe Ins. | T          | G         | 2B, 2C                                                                      | 1,100 SF          | 14          | grey  | 25      | curly |
| 2-5 (ABC)     | Cave Box mastic        | M          | G         | 2B, 2C, 2D Thruout                                                          |                   | 14          | tan   | 100     |       |
| 2-6 (ABC)     | 1x1 ceiling tile       | M          | G         | 2B                                                                          |                   | 14          | wht   | 100     |       |
| 2-7 (ABC)     | 12x12 FT               | M          | G         | 2B                                                                          |                   | 14          | green | 100     |       |
| 2-8 (ABC)     | 12x12 FT               | M          | G         | 2B                                                                          |                   | 14          | wht   | 100     |       |
| 2-9 (ABC)     | TSI Pipe Fitting       | T          | G         | 2B                                                                          | 20 EA             | 14          | wht   | 100     |       |
| 2-10 (ABC)    | 12x12 FT               | M          | G         | 2C Thruout                                                                  |                   | 14          | wht   | 100     |       |
| 2-11 (ABC)    | 12x12 FT               | M          | G         | 2C                                                                          |                   | 14          | blue  | 100     |       |
| 2-12 (ABC)    | Mastic                 | M          | G         | 2B, 2C, 2D Thruout                                                          |                   | 14          | black | 100     |       |
| 2-13 (ABC)    | 2x9 FT                 | M          | G         | 2C Library / Office                                                         | 700 SF            | 14          | green | 10      | curly |
| 2-14 (ABC)    | 12x12 FT               | M          | G         | 2C                                                                          |                   | 14          | tan   | 100     |       |
| 2-15 (ABC)    | 12x12 FT               | M          | G         | 2D                                                                          | 6,000 SF          | 14          | grey  | 3       | curly |

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EPA Lab ID #DE004

**NVLAP**

Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 3

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/19/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC -BUILDING 110 NSA - 700 ROBBINS ST., PHIL, PA

Sampled By: N. MARICON

Date Analyzed: 12/18/19

| Sample ID   |                | Client-supplied Data |                |          | Analytical Data            |               | Reported Results                                                 |                        |
|-------------|----------------|----------------------|----------------|----------|----------------------------|---------------|------------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type  | Friable? | Texture/<br>Gross          | Color         | Non-asbestiform<br>Components                                    | Asbestiform Components |
| 1110081     | 110-1A         | Throughout           | Drywall        | No       | Fibrous<br><br>Homogeneous | Gray<br>Brown | 15% Cellulose<br>85% Non-fibrous<br>Material                     | No Asbestos Found      |
| 1110082     | 110-1B         | Throughout           | Drywall        | No       | Fibrous<br><br>Homogeneous | Gray<br>Brown | 15% Cellulose<br>85% Non-fibrous<br>Material                     | No Asbestos Found      |
| 1110083     | 110-2A         | Throughout           | Joint compound | No       | Soft<br><br>Homogeneous    | White         | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1110084     | 110-2B         | Throughout           | Joint compound | No       | Soft<br><br>Homogeneous    | White         | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1110085     | 110-3A         | Throughout           | Ceiling Tile   | No       | Fibrous<br><br>Homogeneous | Gray          | 60% Cellulose 30%<br>Mineral Wool<br>10% Non-fibrous<br>Material | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JJF

REVIEWED BY: 

QA/QC Officer/Signatory

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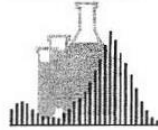
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 3

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/19/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC - BUILDING 110 NSA - 700 ROBBINS ST., PHIL, PA

Sampled By: N. MARICON

Date Analyzed: 12/18/19

| Sample ID   |                | Client-supplied Data |                     |          | Analytical Data        |        | Reported Results                                                 |                        |
|-------------|----------------|----------------------|---------------------|----------|------------------------|--------|------------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type       | Friable? | Texture/<br>Gross      | Color  | Non-asbestiform<br>Components                                    | Asbestiform Components |
| 1110086     | 110-3B         | Throughout           | Ceiling Tile        | No       | Fibrous<br>Homogeneous | Gray   | 60% Cellulose 30%<br>Mineral Wool<br>10% Non-fibrous<br>Material | No Asbestos Found      |
| 1110087     | 110-4A         | Throughout           | 12x12 Floor<br>Tile | No       | Firm<br>Homogeneous    | Beige  | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1110088     | 110-4B         | Throughout           | 12x12 Floor<br>Tile | No       | Firm<br>Homogeneous    | Beige  | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1110089     | 110-5A         | Throughout           | Mastic              | No       | Soft<br>Homogeneous    | Yellow | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |
| 1110090     | 110-5B         | Throughout           | Mastic              | No       | Soft<br>Homogeneous    | Yellow | 100% Non-<br>fibrous Material                                    | No Asbestos Found      |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JJF

REVIEWED BY:

*RW*

QA/QC Officer/Signatory

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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 3

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 12/19/19

### Sampling Data

BLI Project #: L136619

Date Sampled: n/a

Project Name: 772615L NAVFAC -BUILDING 110 NSA - 700 ROBBINS ST., PHIL., PA

Sampled By: N. MARICON

Date Analyzed: 12/18/19

| Sample ID   |                | Client-supplied Data |                 | Analytical Data |                   | Reported Results |                            |
|-------------|----------------|----------------------|-----------------|-----------------|-------------------|------------------|----------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type   | Friable?        | Texture/<br>Gross | Color            | Non-asbestiform Components |
| 1110091     | 110-6A         | Throughout           | Covebase Mastic | No              | Soft              | Yellow           | 100% Non-fibrous Material  |
| Homogeneous |                |                      |                 |                 |                   |                  | No Asbestos Found          |

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**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: JJF

REVIEWED BY:

QA/QC Officer/Signatory

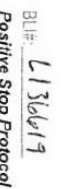
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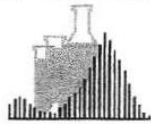
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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0

Batch#: N/A

COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 1 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 01/02/20

### Sampling Data

BLI Project #: L136619

Project Name: 772615L NAVFAC - BUILDING 15 CAFETERIA - NSA - 700 ROBBINS ST.

Date Sampled: n/a

Sampled By: N. MARICON

Date Analyzed: 12/27/20

| Sample ID   |                | Client-supplied Data |                |          | Analytical Data                   |              | Reported Results                                                |                        |
|-------------|----------------|----------------------|----------------|----------|-----------------------------------|--------------|-----------------------------------------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type  | Friable? | Texture/<br>Gross                 | Color        | Non-asbestiform<br>Components                                   | Asbestiform Components |
| 1111696     | 15-01A         | Throughout           | Drywall        | No       | Granular Fibrous<br>Heterogeneous | White<br>Tan | <1% Fiber Glass<br>15% Cellulose<br>85% Non-fibrous<br>Material | No Asbestos Found      |
| 1111697     | 15-01B         | Throughout           | Drywall        | No       | Granular Fibrous<br>Heterogeneous | White<br>Tan | <1% Fiber Glass 1%<br>Cellulose 99%<br>Non-fibrous Material     | No Asbestos Found      |
| 1111698     | 15-01C         | Throughout           | Drywall        | No       | Granular Fibrous<br>Heterogeneous | White<br>Tan | <1% Fiber Glass 1%<br>Cellulose 99%<br>Non-fibrous Material     | No Asbestos Found      |
| 1111699     | 15-02A         | Throughout           | Joint Compound | No       | Granular<br>Homogeneous           | White        | 100% Non-fibrous<br>Material                                    | No Asbestos Found      |
| 1111700     | 15-02B         | Throughout           | Joint Compound | No       | Granular<br>Homogeneous           | White        | 100% Non-fibrous<br>Material                                    | No Asbestos Found      |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEC

REVIEWED BY: 

QA/QC Officer/Signatory

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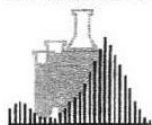
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\*\*\*\*\* refers to a series of Phase 3 analytical results associated with this analytical batch. This classification is available without restriction and is not a

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Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 2 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP  
Report Date: 01/02/20  
Date Sampled: n/a  
Sampled By: N. MARICON  
Date Analyzed: 12/27/20

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC - BUILDING 15 CAFETERIA - NSA - 700 ROBBINS ST.

| Sample ID |         | Client-supplied Data |                     |          | Analytical Data |                   | Reported Results                                        |                                        |
|-----------|---------|----------------------|---------------------|----------|-----------------|-------------------|---------------------------------------------------------|----------------------------------------|
| Lab       | Client  | Sample               | Material            |          | Texture/        |                   | Non-asbestiform                                         |                                        |
| Sample#   | Sample# | Description          | Type                | Friable? | Gross           | Color             | Components                                              | Asbestiform Components                 |
| 1111701   | 15-02C  | Throughout           | Joint Compound      | No       | Granular        | White             | 100% Non-fibrous Material                               | No Asbestos Found                      |
|           |         |                      |                     |          | Homogeneous     |                   |                                                         |                                        |
| 1111702   | 15-03A  | Throughout           | Ceiling Tile        | No       | Fibrous         | White Gray        | 50% Cellulose 35% Mineral Wool 15% Non-fibrous Material | No Asbestos Found                      |
|           |         |                      |                     |          | Homogeneous     |                   |                                                         |                                        |
| 1111703   | 15-03B  | Throughout           | Ceiling Tile        | No       | Fibrous         | White Gray        | 50% Cellulose 35% Mineral Wool 15% Non-fibrous Material | No Asbestos Found                      |
|           |         |                      |                     |          | Homogeneous     |                   |                                                         |                                        |
| 1111704   | 15-03C  | ** Throughout        |                     | No       |                 |                   | 100% Non-fibrous Material                               | Sample Not Received By Lab             |
| 1111705   | 15-04A  | Throughout           | TSI Pipe Insulation | Yes      | Fibrous         | Yellow Gray White | 35% Cellulose 15% Non-fibrous Material                  | 50% Chrysotile<br>Total Asbestos = 50% |
|           |         |                      |                     |          | Heterogeneous   |                   |                                                         |                                        |

**Note 1:** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

**Note 2:** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

**Note 3:** Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: MEC

REVIEWED BY: 

QA/QC Officer/Signatory

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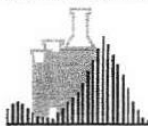
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**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 3 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP  
Report Date: 01/02/20  
Date Sampled: n/a  
Sampled By: N. MARICON  
Date Analyzed: 12/27/20

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC - BUILDING 15 CAFETERIA - NSA - 700 ROBBINS ST.

| Sample ID   |                | Client-supplied Data |                        |          | Analytical Data        |       | Reported Results              |                                              |
|-------------|----------------|----------------------|------------------------|----------|------------------------|-------|-------------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type          | Friable? | Texture/<br>Gross      | Color | Non-asbestiform<br>Components | Asbestiform Components                       |
| 1111706     | 15-04B         | ** Throughout        | TSI Pipe Insulation    | Yes      |                        |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1111707     | 15-04C         | ** Throughout        | TSI Pipe Insulation    | Yes      |                        |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1111708     | 15-05A         | Throughout           | TSI Fitting Insulation | Yes      | Fibrous<br>Homogeneous | Gray  | 30% Non-fibrous Material      | 70% Chrysotile<br>Total Asbestos = 70%       |
| 1111709     | 15-05B         | ** Throughout        | TSI Fitting Insulation | Yes      |                        |       |                               | Sample Not Analyzed<br>(positive stop rules) |
| 1111710     | 15-05C         | ** Throughout        | TSI Fitting Insulation | Yes      |                        |       |                               | Sample Not Analyzed<br>(positive stop rules) |

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ANALYST: MEC

REVIEWED BY: 

QA/QC Officer/Signatory

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Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 4 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 01/02/20

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC - BUILDING 15 CAFETERIA - NSA - 700 ROBBINS ST.

Date Sampled: n/a  
Sampled By: N. MARICON  
Date Analyzed: 12/27/20

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data           |                 | Reported Results              |                        |
|-------------|----------------|----------------------|------------------|----------|---------------------------|-----------------|-------------------------------|------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/<br>Gross         | Color           | Non-asbestiform<br>Components | Asbestiform Components |
| 1111711     | 15-06A         | Cafeteria            | 12x12 Floor Tile | No       | Firm<br><br>Homogeneous   | White<br>Black  | 100% Non-fibrous Material     | No Asbestos Found      |
| 1111712     | 15-06B         | Cafeteria            | 12x12 Floor Tile | No       | Firm<br><br>Homogeneous   | White<br>Black  | 100% Non-fibrous Material     | No Asbestos Found      |
| 1111713     | 15-07A         | Cafeteria            | Mastic           | No       | Soft<br><br>Heterogeneous | Yellow<br>Black | 100% Non-fibrous Material     | No Asbestos Found      |
| 1111714     | 15-07B         | Cafeteria            | Mastic           | No       | Soft<br><br>Heterogeneous | Yellow<br>Black | 100% Non-fibrous Material     | No Asbestos Found      |
| 1111715     | 15-07C         | Cafeteria            | Mastic           | No       | Soft<br><br>Homogeneous   | Black           | 100% Non-fibrous Material     | No Asbestos Found      |

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**Note 2** Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count)

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ANALYST: MEC

REVIEWED BY:

QA/QC Officer/Signatory

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BATTA refers to a series of three Analytical Methods associated with 198.5/198.4. While this document is available, Batta's methods, protocols, reports, and results.



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EPA Lab ID #DE004



**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 5 of 7

Test Method: EPA/600/R-93/115 in conjunction with Batta SOP

Report Date: 01/02/20

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC - BUILDING 15 CAFETERIA - NSA - 700 ROBBINS ST.

Date Sampled: n/a  
Sampled By: N. MARICON  
Date Analyzed: 12/27/20

| Sample ID     |                | Client-supplied Data    |                  |          | Analytical Data   |           | Reported Results                         |                                              |
|---------------|----------------|-------------------------|------------------|----------|-------------------|-----------|------------------------------------------|----------------------------------------------|
| Lab Sample#   | Client Sample# | Sample Description      | Material Type    | Friable? | Texture/<br>Gross | Color     | Non-asbestiform<br>Components            | Asbestiform Components                       |
| 1111716       | 15-08A         | Cafeteria               | 1x1 Ceiling Tile | No       | Fibrous           | White Tan | 97% Cellulose<br>3% Non-fibrous Material | No Asbestos Found                            |
| Heterogeneous |                |                         |                  |          |                   |           |                                          |                                              |
| 1111717       | 15-08B         | Cafeteria               | 1x1 Ceiling Tile | No       | Fibrous           | White Tan | 99% Cellulose<br>1% Non-fibrous Material | No Asbestos Found                            |
| Heterogeneous |                |                         |                  |          |                   |           |                                          |                                              |
| 1111718       | 15-09A         | Cafeteria (Hallyway)    | Glue Dot         | No       | Firm Fibrous      | Brown     | 93% Non-fibrous Material                 | 7% Chrysotile<br>Total Asbestos = 7%         |
| Homogeneous   |                |                         |                  |          |                   |           |                                          |                                              |
| 1111719       | 15-09B         | ** Cafeteria (Hallyway) | Glue Dot         | No       |                   |           |                                          | Sample Not Analyzed<br>(positive stop rules) |
| 1111720       | 15-10A         | Throughout              | Covebase Mastic  | No       | Soft              | Off-White | 100% Non-fibrous Material                | No Asbestos Found                            |
| Homogeneous   |                |                         |                  |          |                   |           |                                          |                                              |

**Note 1** Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.

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ANALYST: MEC

REVIEWED BY:

*RUP*

QA/QC Officer/Signatory

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 6 of 7

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP Report Date: 01/02/20  
Date Sampled: n/a  
Sampled By: N. MARICON  
Date Analyzed: 12/27/20

### Sampling Data

BLI Project #: L136619  
Project Name: 772615L NAVFAC - BUILDING 15 CAFETERIA - NSA - 700 ROBBINS ST.

| Sample ID   |                | Client-supplied Data |                  |          | Analytical Data |            | Reported Results           |                                              |
|-------------|----------------|----------------------|------------------|----------|-----------------|------------|----------------------------|----------------------------------------------|
| Lab Sample# | Client Sample# | Sample Description   | Material Type    | Friable? | Texture/Gross   | Color      | Non-asbestiform Components | Asbestiform Components                       |
| 1111721     | 15-10B         | Throughout           | Covebase Mastic  | No       | Soft            | Off-White  | 100% Non-fibrous Material  | No Asbestos Found                            |
|             |                |                      |                  |          | Homogeneous     |            |                            |                                              |
| 1111722     | 15-11A         | Kitchen              | 12x12 Floor Tile | No       | Firm            | Gray White | 100% Non-fibrous Material  | No Asbestos Found                            |
|             |                |                      |                  |          | Homogeneous     |            |                            |                                              |
| 1111723     | 15-11B         | Kitchen              | 12x12 Floor Tile | No       | Firm            | Gray White | 100% Non-fibrous Material  | No Asbestos Found                            |
|             |                |                      |                  |          | Homogeneous     |            |                            |                                              |
| 1111724     | 15-12A         | Kitchen              | 12x12 Floor Tile | n/a      | Firm            | White      | 95% Non-fibrous Material   | 5% Chrysotile<br>Total Asbestos = 5%         |
|             |                |                      |                  |          | Homogeneous     |            |                            |                                              |
| 1111725     | 15-12B         | ** Kitchen           | 12x12 Floor Tile | n/a      |                 |            |                            | Sample Not Analyzed<br>(positive stop rules) |

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ANALYST: MEC

REVIEWED BY: 

QA/QC Officer/Signatory

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EPA Lab ID #DE004

**NVLAP**  
Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0  
Batch#: N/A  
COC#: N/A

## CERTIFICATE OF PLM ANALYSIS

Page 7 of 7

| Test Method: EPA/600/R-93/116 in conjunction with Batta SOP                  |                |                      |               |                 |               | Report Date:     | 01/02/20                               |
|------------------------------------------------------------------------------|----------------|----------------------|---------------|-----------------|---------------|------------------|----------------------------------------|
| Sampling Data                                                                |                |                      |               |                 |               | Date Sampled:    | n/a                                    |
| BLI Project #: L136619                                                       |                |                      |               |                 |               | Sampled By:      | N. MARICON                             |
| Project Name: 772615L NAVFAC - BUILDING 15 CAFETERIA - NSA - 700 ROBBINS ST. |                |                      |               |                 |               | Date Analyzed:   | 12/27/20                               |
| Sample ID                                                                    |                | Client-supplied Data |               | Analytical Data |               | Reported Results |                                        |
| Lab Sample#                                                                  | Client Sample# | Sample Description   | Material Type | Friable?        | Texture/Gross | Color            | Non-asbestiform Components             |
| 1111726                                                                      | 15-13A         | Roof                 | Transite      | n/a             | Firm Fibrous  | Gray White       | 80% Non-fibrous Material               |
|                                                                              |                |                      |               |                 | Homogeneous   |                  | 20% Chrysotile<br>Total Asbestos = 20% |

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**BULK SAMPLE DATA SHEET**

Project Name: NAVFAC - 3rd Party Air Monitoring  
Site Inspected / Address: NSA - 700 Robbins Street, Philadelphia, PA

Inspector(s): Nick Mantona

BEA# 7726151

Date/Time Results Required: 12-12-19 1400 HRS  
Date/Time Cert of Analysis Req: 1/1/20 HRS  
Results to: Client  
Client: ☐ Phone: ☐ Fax: ☐  
DE-Mail: 1/1/20 SV

BL# L136619  
Positive Stop Protocol

| SAMPLE NUMBER       | MATERIAL SAMPLED       | AHERA CLASS | CONDITON | ALL LOCATIONS, Name & Circle Sample Locations | MATERIAL QUANTITY | SAMPLE COMPOSITION | COLOR | % TYPE |
|---------------------|------------------------|-------------|----------|-----------------------------------------------|-------------------|--------------------|-------|--------|
| 15-01 (ABC) 698     | Drywall                | M           | G        | Through-out                                   | 14                | white              | white | 100%   |
| 15-02 (ABC) 699/700 | Joint compound         | M           | G        | Through-out                                   | 14                | white              | white | 100%   |
| 15-03 (ABC) 702/703 | Ceiling tile *         | M           | G        | Through-out                                   | 14                | white              | white | 100%   |
| 15-04 (ABC) 705/706 | TSI Pipe Insulation    | T           | G        | Through-out                                   | 14                | white              | white | 100%   |
| 15-05 (ABC) 708/709 | TSI Fitting Insulation | T           | G        | Through-out                                   | 35EA              | white              | white | 100%   |
| 15-06 (ABC) 711/712 | 12x12 Floor tile       | M           | G        | caterina                                      | 14                | white              | white | 100%   |
| 15-07 (ABC) 713/714 | Mess Hc                | M           | G        | caterina                                      | 14                | white              | white | 100%   |
| 15-08 (ABC) 716/717 | 1x1 Ceiling tile       | M           | G        | caterina                                      | 14                | white              | white | 100%   |
| 15-09 (ABC) 718/719 | Glue Box               | M           | G        | caterina (Hallway)                            | 650 SF            | Brown              | Brown | 100%   |
| 15-10 (ABC) 720/721 | cover base mess Hc     | M           | G        | Through-out                                   | 14                | gray               | gray  | 100%   |
| 15-11 (ABC) 722/723 | 12x12 Floor tile       | M           | G        | Kitchen                                       | 14                | gray               | gray  | 100%   |
| 15-12 (ABC) 724/725 | 12x12 FT               | M           | G        | kitchen                                       | 350 SF            | gray               | gray  | 100%   |
| 15-13 (ABC) 726     | Trunk                  | M           | G        | Roof                                          | 750 SF            | gray               | gray  | 100%   |
| ABC                 |                        |             |          |                                               |                   |                    |       |        |

Relinquished By: [Signature] Date: 12/12/19 Time: 1400  
Delivered By: [Signature] Date: 1/1/20 Time: 1400  
Received By: [Signature] Date: 1/1/20 Time: 1400

## **APPENDIX B**

### **FIELD DRAWINGS**





BATTA ENVIRONMENTAL ASSOCIATES, INC.  
Delaware Industrial Park Ph (302) 737-3376  
6 Garfield Way Fx (302) 737-5764  
Newark, DE 19713-5817 www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitor - Survey  
Site Inspected: NSA - 700 Robbins Ave. Phila PA  
Building Inspector (s): NM

NORTH

BEA#: 772615L

Date: / /

Drawing Sheet 1 of 3



8: General Office/Forms/Bulk Sample Package 2017 MASTER 7 page

REV DATE 6/1/19

Blue 12x12 FT

Dark Brown 12x12

TSI Pipe Ins





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Fx (302) 737-5764  
www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitor - Survey  
Site Inspected: NSA - 700 Robbins Ave. Phila PA  
Building Inspector (s): NM

BEA#: 772615L  
Date: 1 / 1  
Drawing Sheet 2 of 3







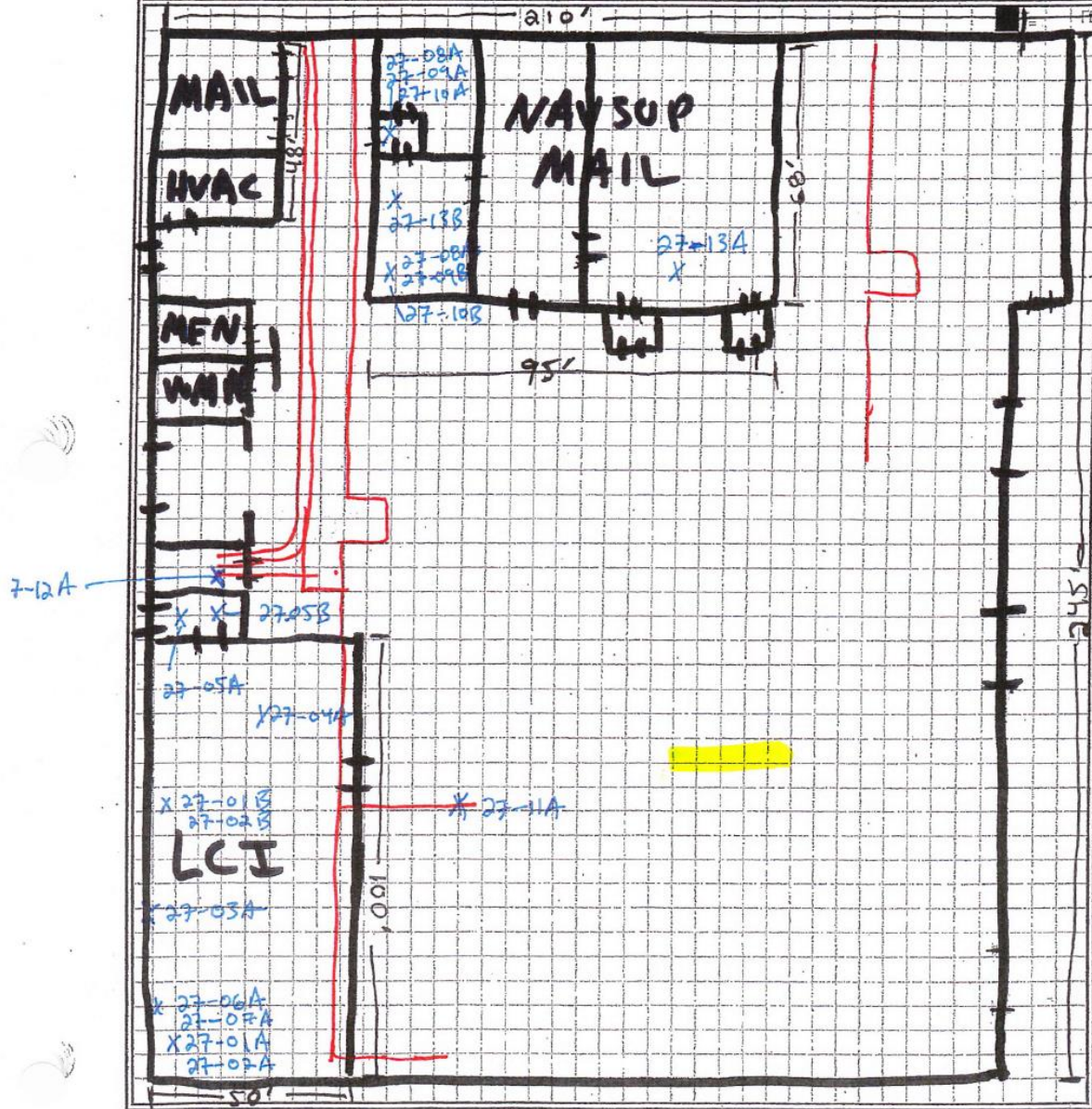
BATTA ENVIRONMENTAL ASSOCIATES, INC.  
Delaware Industrial Park Ph (302) 737-3376  
6 Garfield Way Fx (302) 737-5764  
Newark, DE 19713-5817 www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitor - Survey  
Site Inspected: NSA - 700 Robbins Ave. Phila PA  
Building Inspector (s): NM



BEA#: 772615L  
Date: 1 / 1  
Drawing Sheet 3 of 3



Building 27 section D

E:\General Office\Forms\Bulk Sample Package 2617\MASTER page

REV DATE 5/19/17

~~TSI Pipe Ins~~



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 6 Garfield Way Fx (302) 737-5764  
 Newark, DE 19713-5817 www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party AIR Monitor - Survey  
 Site Inspected: NSA - 700 Robbins Ave. Phila PA  
 Building Inspector (s): NM

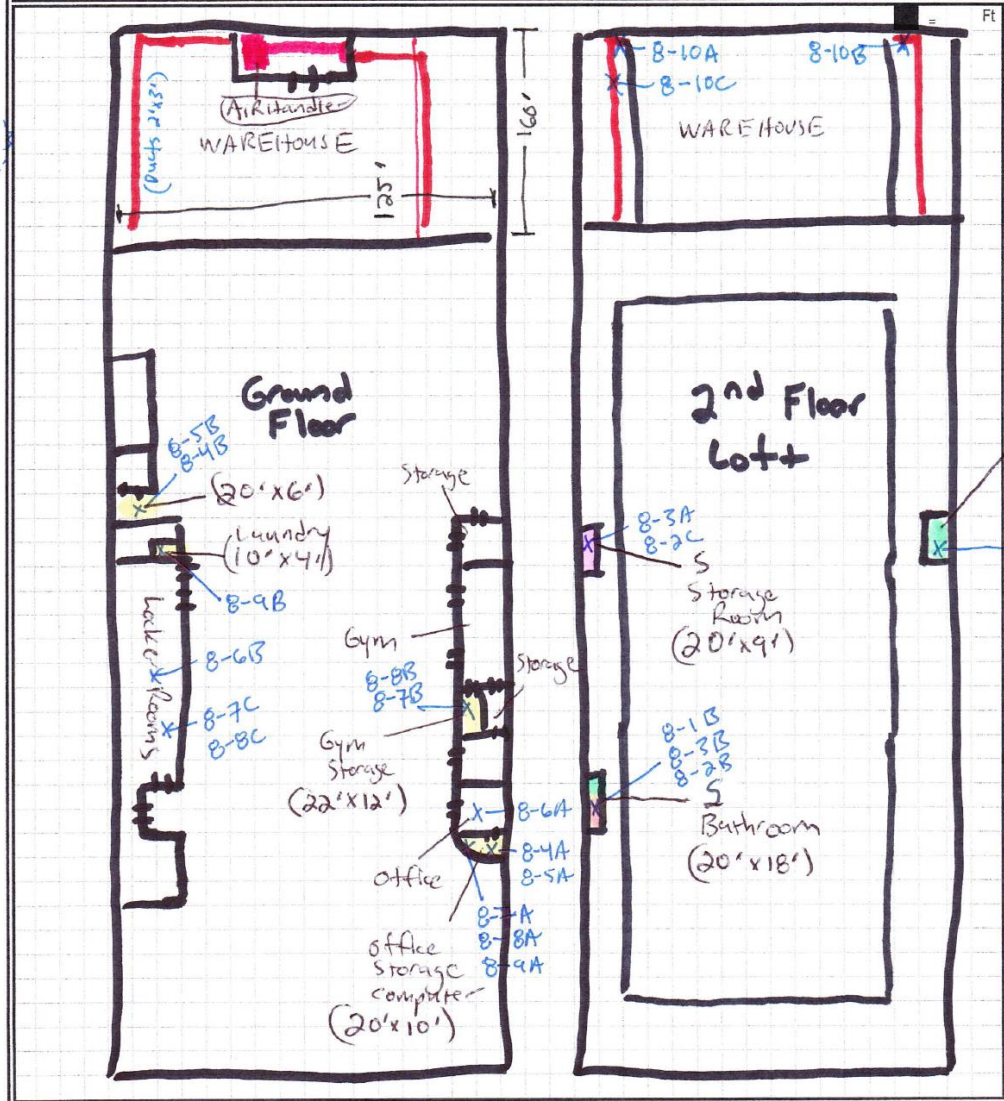


BEA#: 772615L

Date: 1 / 1 / 1

Drawing Sheet 1 of 1

\*10,000 SF  
 of Duct  
 Air Handler  
 Across cell



\* TST Pipe Ins.

\* Duct + Friction  
 Across cell

**Building B**

5 General Office Forms Bulk Sample Package 2017 MASTER 7 page

REV DATE 5/15/17

Blue 12x12

Grey 9x9

Grey 12x12





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Delaware Industrial Park  
6 Garfield Way  
Newark, DE 19713-5817  
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Fx (302) 737-5764  
www.battaenv.com

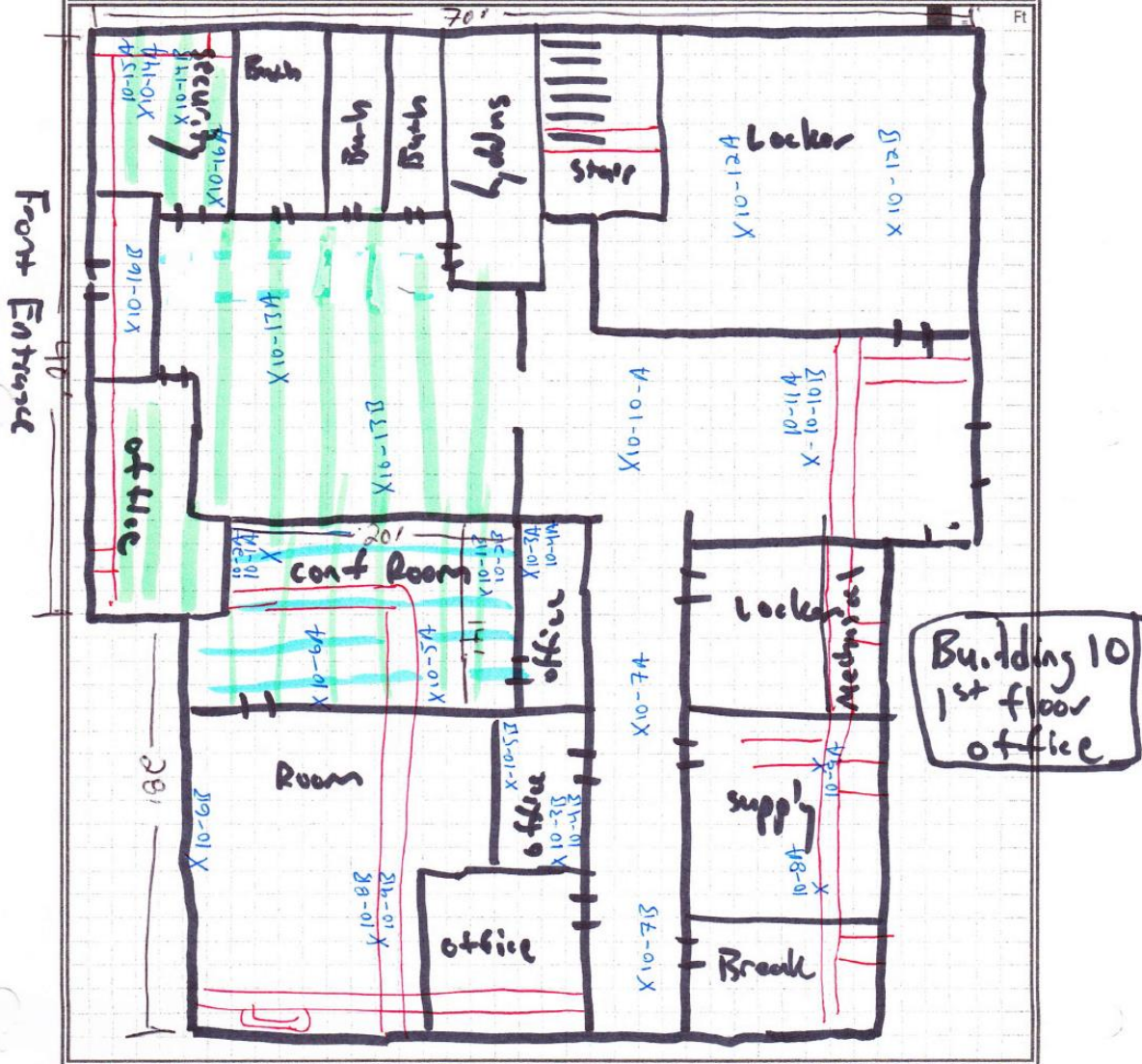
## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitor - Survey  
Site Inspected: NSA - 700 Robb Ave. Phila PA  
Building Inspector (s): NM

BEA#: 772615L

Date: / /

Drawing Sheet 1 of 3



12x12 Floor tile  
9x9 Floor tile

© General Office/Floor/Bulk Sample Package 2017 MASTER T page

RIN DATE 5/19/17

TSI Pipe Ins )



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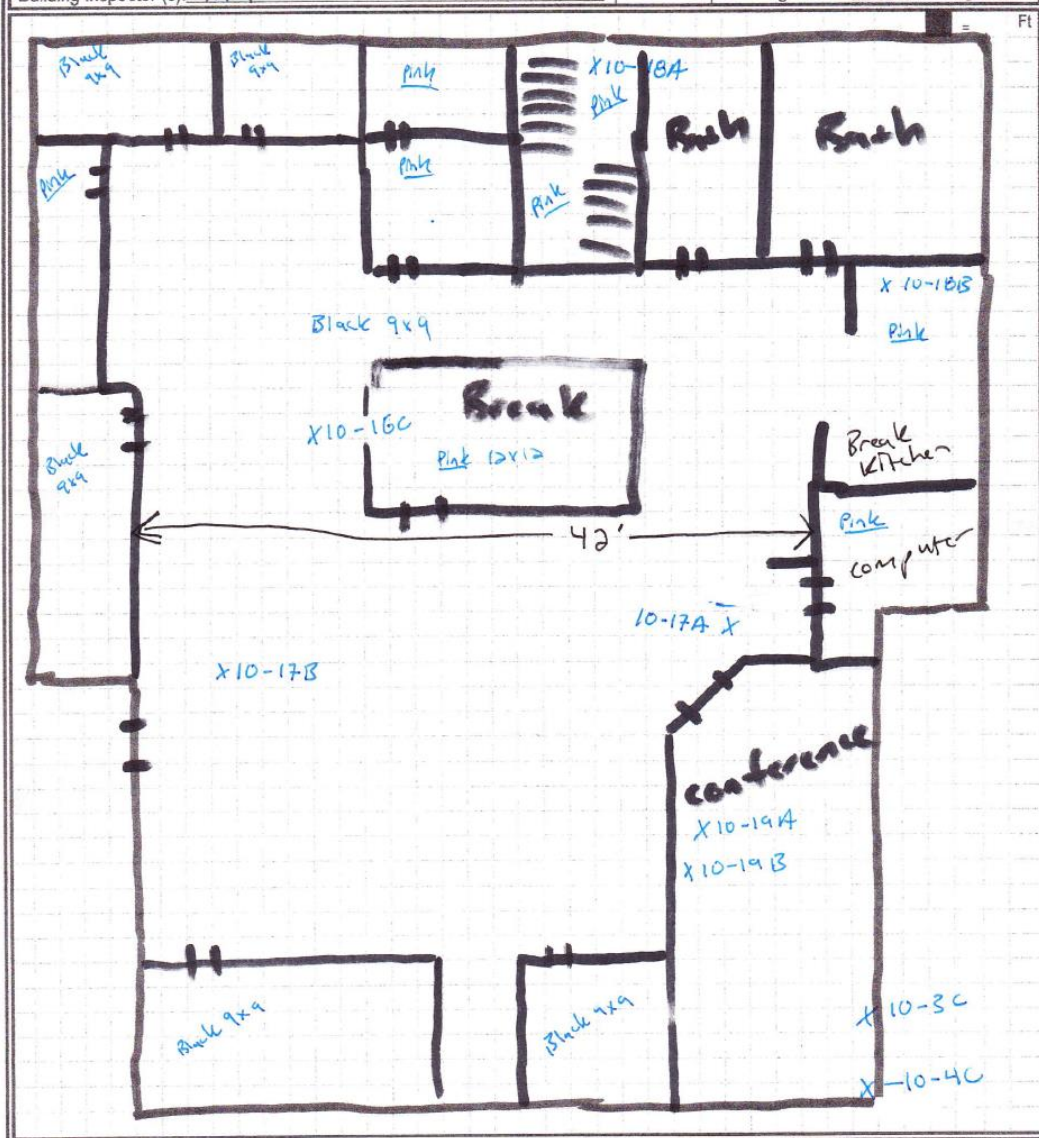
## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitor - Survey  
Site Inspected: NSA - 700 Robbins Ave. Phila PA  
Building Inspector (s): NM

BEA#: 772615L

Date:      /      /     

Drawing Sheet 2 of 3



Building 10 office  
Floor 2



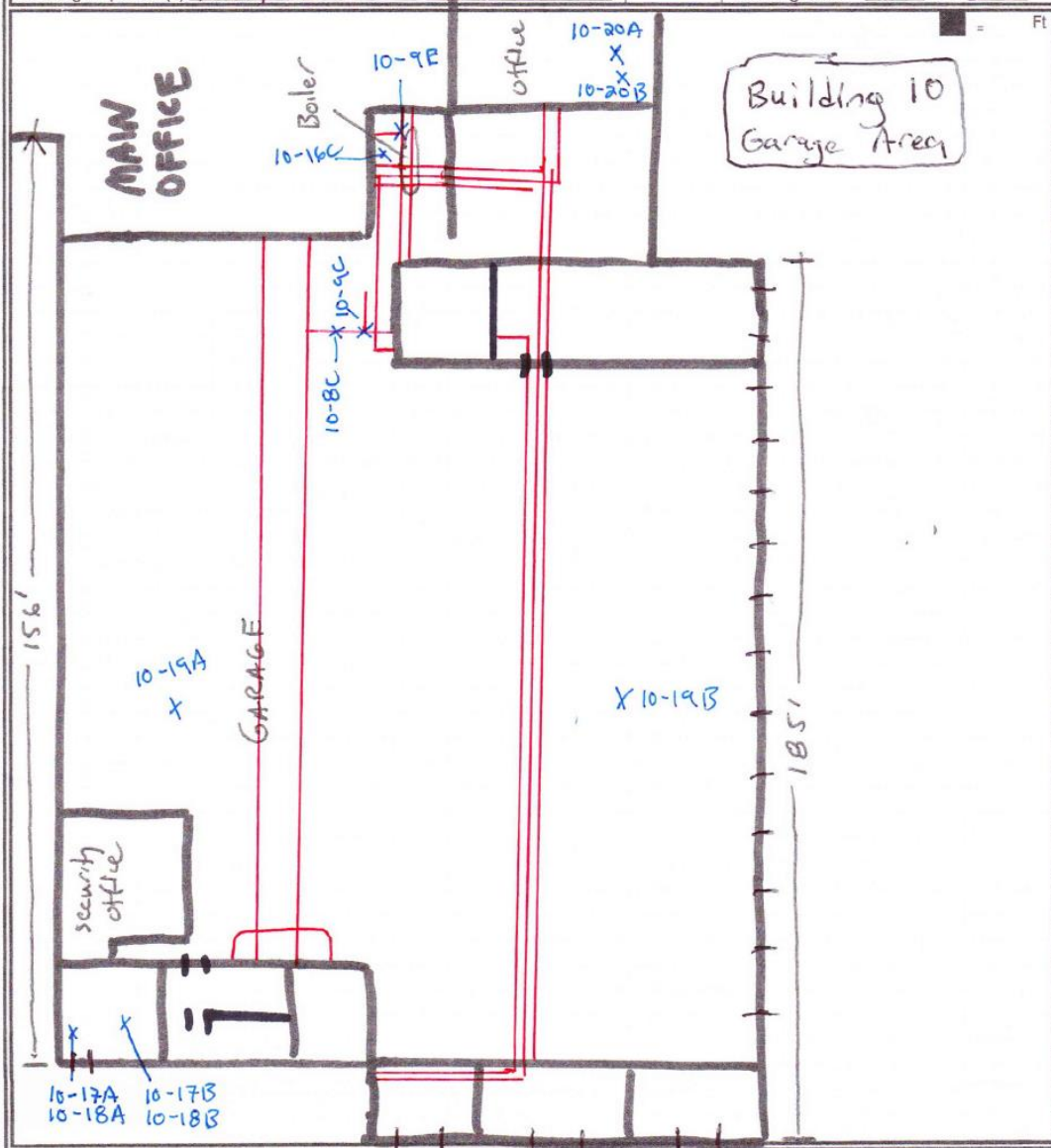


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## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC-30 Party Air Monitor-Survey  
Site Inspected: NSA-700 Roberts St + Phile PT  
Building Inspector (s): NM/JP

BEA#: 772615L  
Date: 1/1  
Drawing Sheet 3 of 3

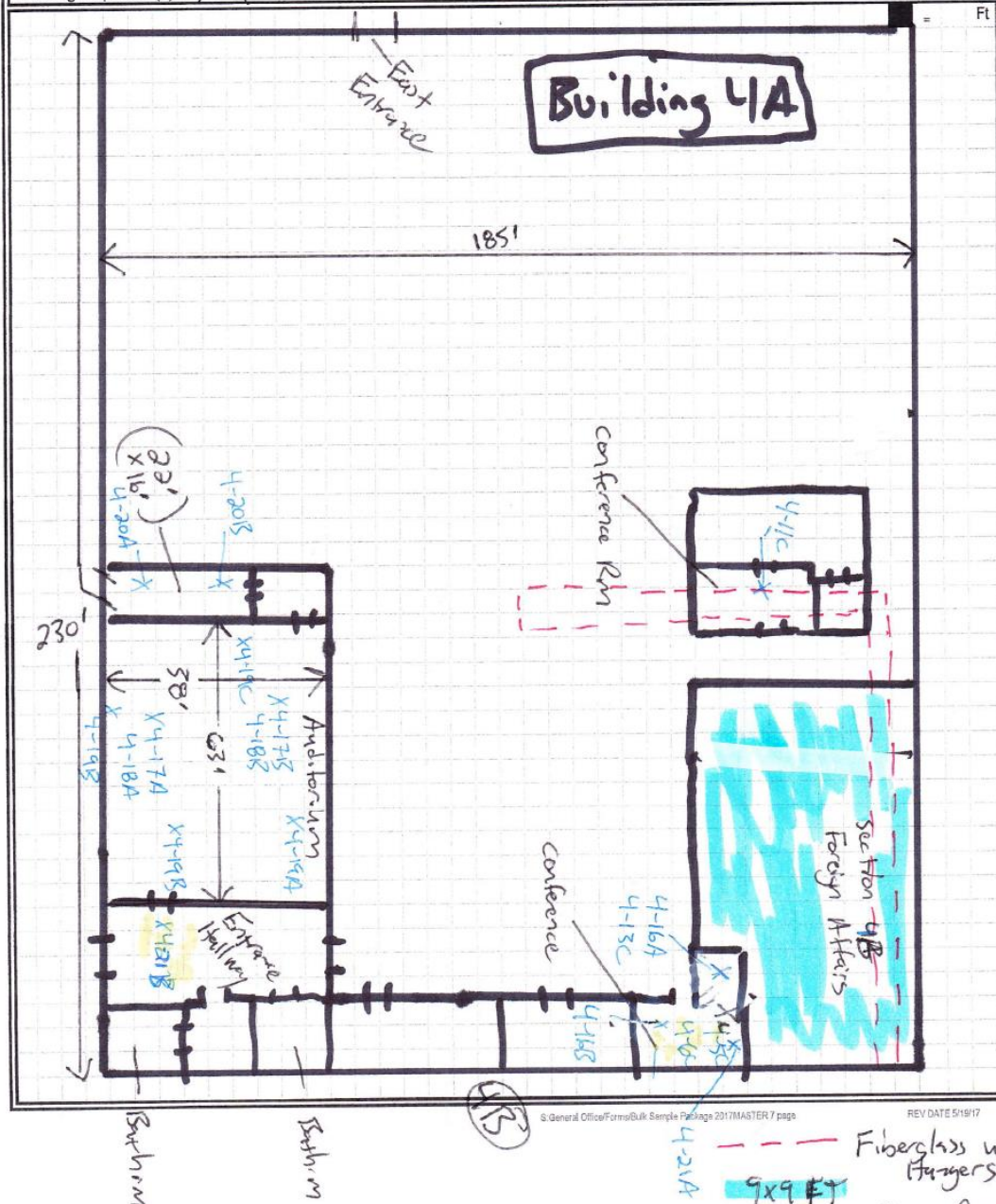




### FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3rd Party Air Monitor (Survey)  
Site Inspected: NSA - 700 Robbins St. Phola  
Building Inspector (s): NM

BEA#: 7726152  
Date:        /        /         
Drawing Sheet        of       





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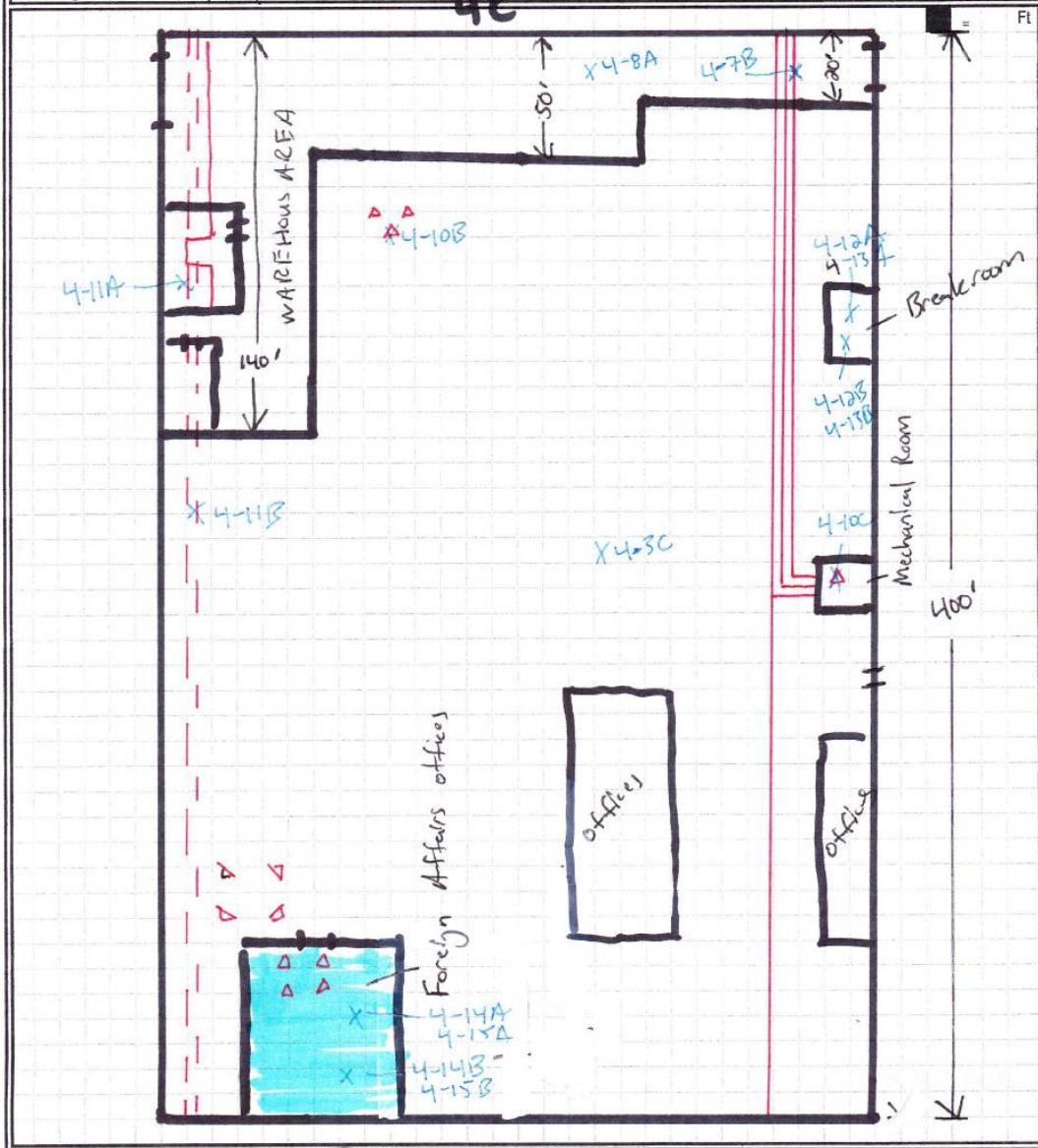
## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC-3rd Party Air Monitor (Survey)  
Site Inspected: NSA - 700 Robbins St. Phila  
Building Inspector (s): NM

BEA#: 772615L

Date:      /      /     

Drawing Sheet      of     



9x9 Floor tile

**Building 4B**

--- Fiberglass w/ ACM Hangers  
--- TSI Pipe Insulation  
△ - large fittings



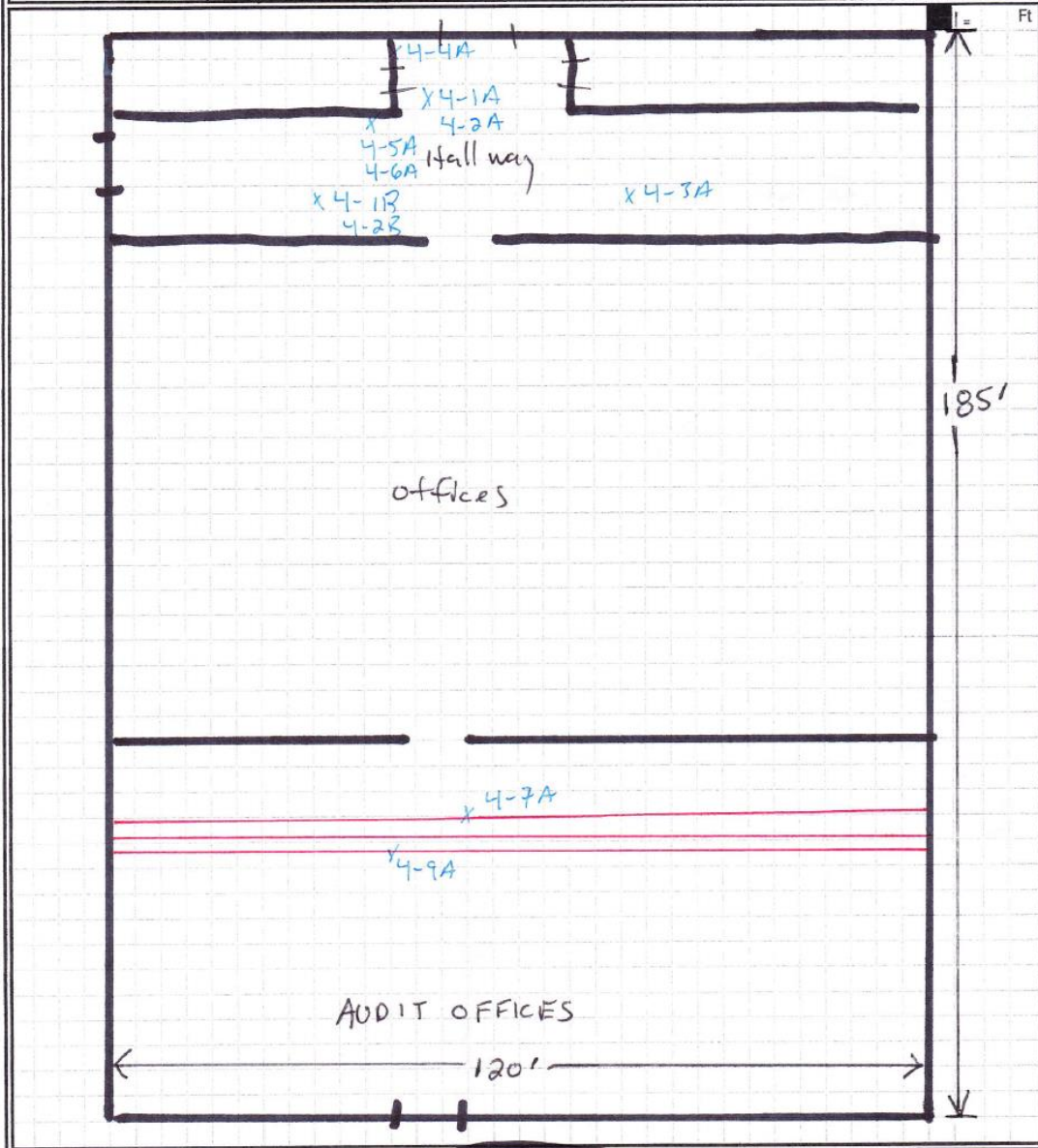


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Newark, DE 19713-5817  
Ph (302) 737-3376  
Fx (302) 737-5764  
www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3rd Party Air Monitor (Survey)  
Site Inspected: NSA - 700 Robbins St. Phila  
Building Inspector(s): NM

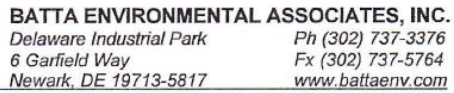
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Drawing Sheet      of     



Building 4C

G:\General Office\Forms and Templates\Single Package 2017\MASTER 7 page

REV DATE 5/19/17



Project Name: NAVFAC-3rd Party Air Monitor (Survey)  
 Site Inspected: NSA-700 Robbins St. Phila  
 Building Inspector (s): NM

BEA#: 772615L  
 Date:      /      /       
 Drawing Sheet 1 of 1

**(Building 7A)**

WAREHOUSE

WAREHOUSE

Break

open area

office

Locker

office

Bath

supply

Storage

188'

140'

30'

20'

X7A-12B

X7A-13A

X7A-4C

X7A-5U

X7A-12A

X7A-4B

X7A-5B

X7A-3A

X7A-4A

X7A-5A

X7A-02A

X7A-01A

X7A-01B

X7A-02B

X7A-01C

X7A-02C

X7A-03

X7A-04

X7A-05

X7A-06

X7A-07

X7A-08

X7A-09

X7A-10

X7A-11

X7A-12

X7A-13

X7A-14

X7A-15

X7A-16

X7A-17

X7A-18

X7A-19

X7A-20

X7A-21

X7A-22

X7A-23

X7A-24

X7A-25

X7A-26

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X7A-30

X7A-31

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X7A-92

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X7A-94

X7A-95

X7A-96

X7A-97

X7A-98

X7A-99

X7A-100

S:General Office/Forms/Bulk Sample Package 2017MASTER 7 page

REV DATE 5/19/17

~~TS1 Pipe Insulation~~

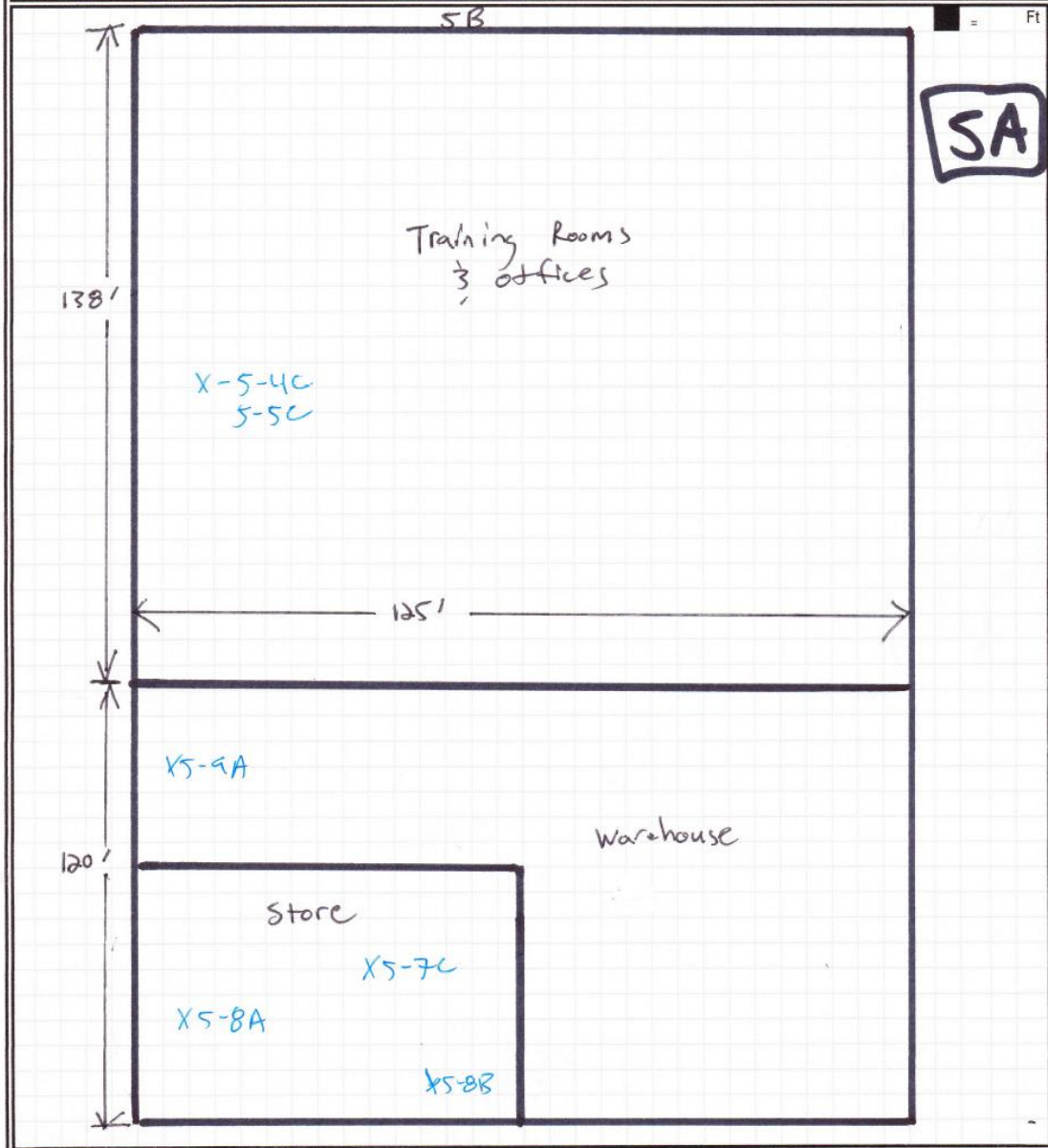


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6 Garfield Way  
Newark, DE 19713-5817  
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Fx (302) 737-5764  
www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC-3'd Party Air Monitor (Survey)  
Site Inspected: 700 Robbing Ave Philadelphia PA  
Building Inspector (s): NM

BEA#: 772615L  
Date:      /      /       
Drawing Sheet      of     



\* No ACM (TSI) Insulation



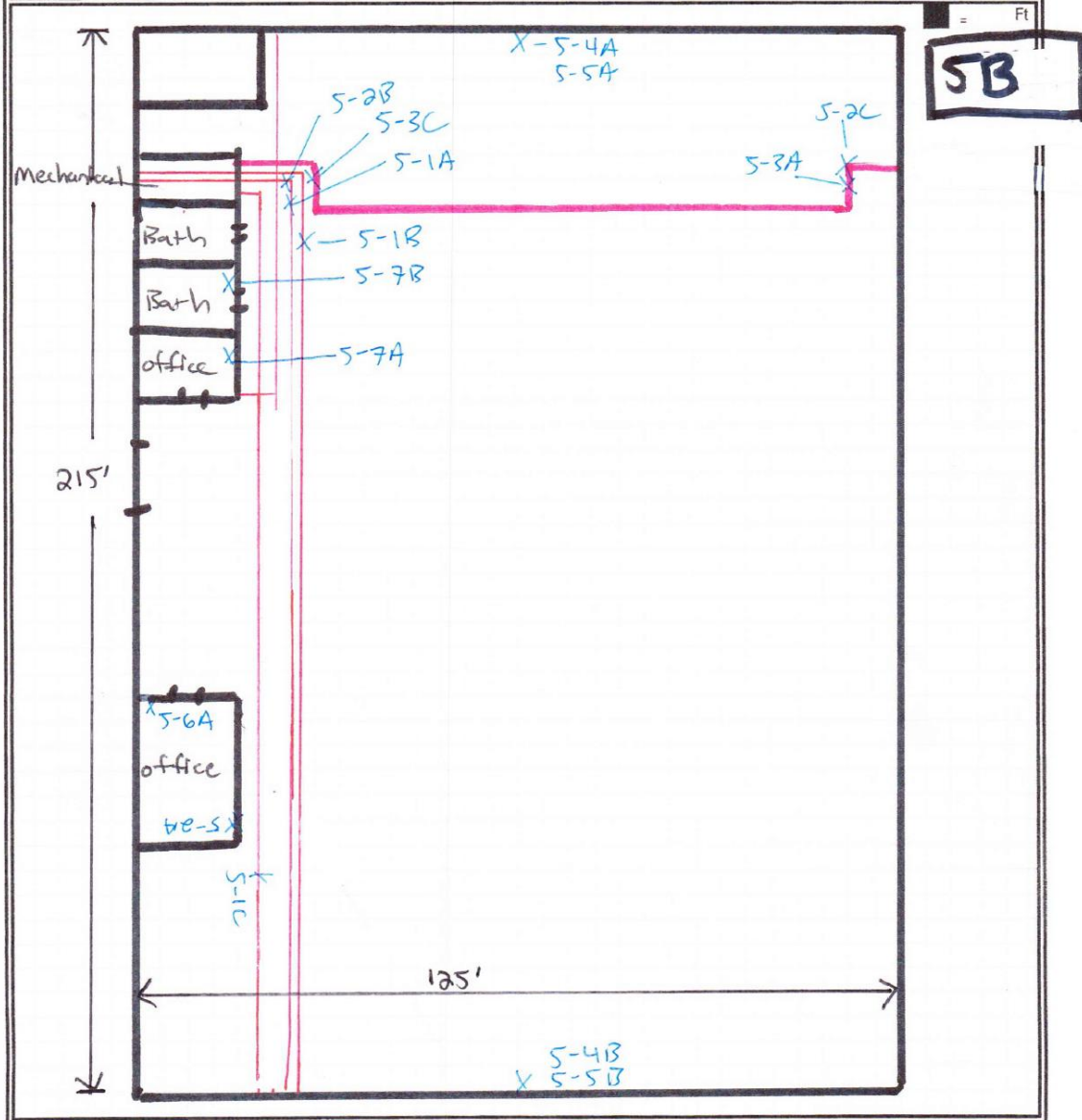


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Newark, DE 19713-5817  
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Fx (302) 737-5764  
www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC-3rd Party Air Monitoring (Survey)  
Site Inspected: 700 Robbans Ave Phila PA  
Building Inspector (s): N/M

BEA#: 772615L  
Date: 1 / 1 /       
Drawing Sheet      of     



5A

~~75T~~ Pipe Ins.



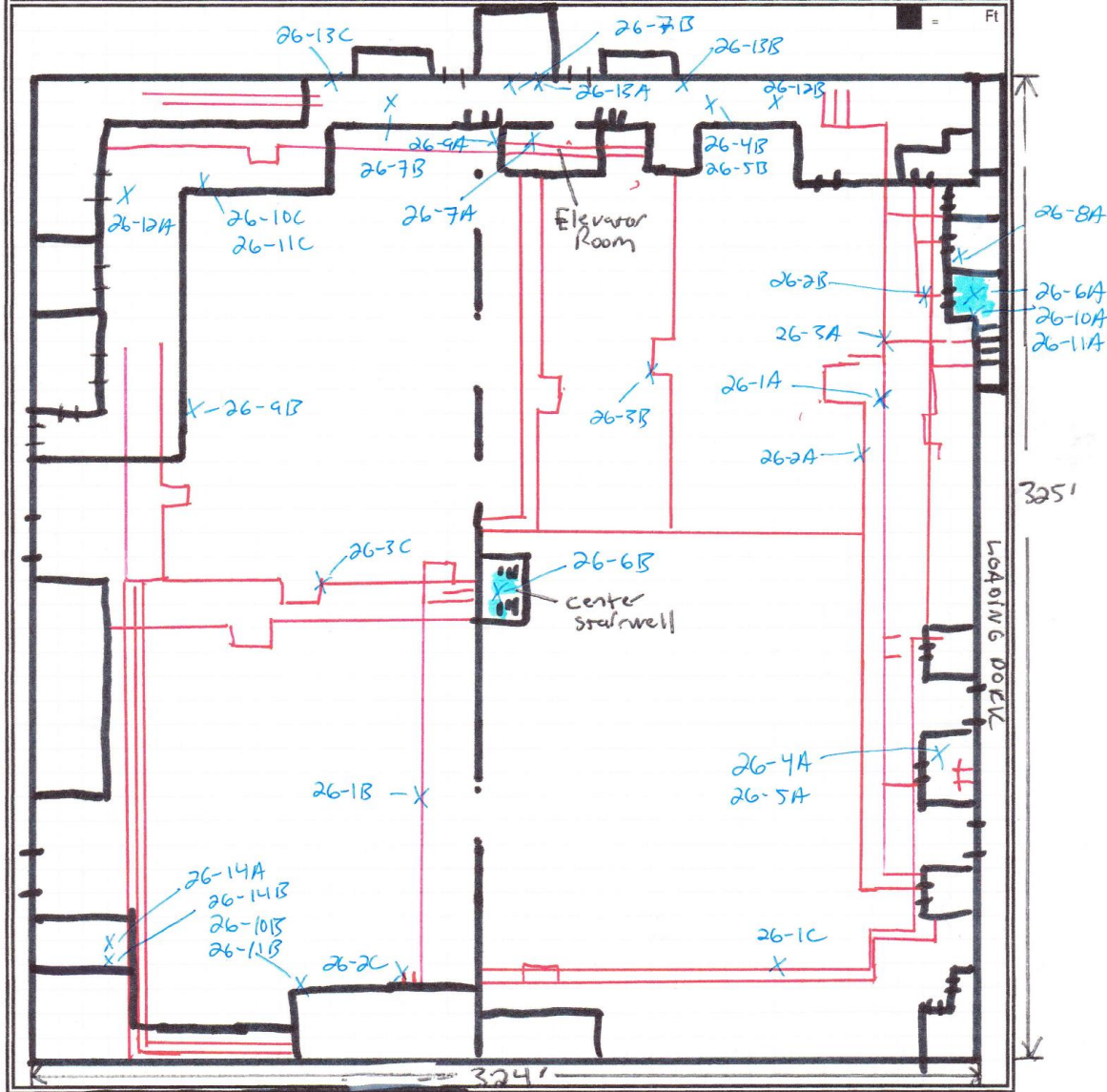


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Newark, DE 19713-5817  
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Fx (302) 737-5764  
www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC 3rd Party Air Monitor (Survey)  
Site Inspected: 706 Robbins St Phila PA  
Building Inspector (s): NM

BEA#: 773615L  
Date:      /      /       
Drawing Sheet      of     



**Building 26 1st Floor**

~~TSE~~ Lines (4cm)  
9x9 Floor tile



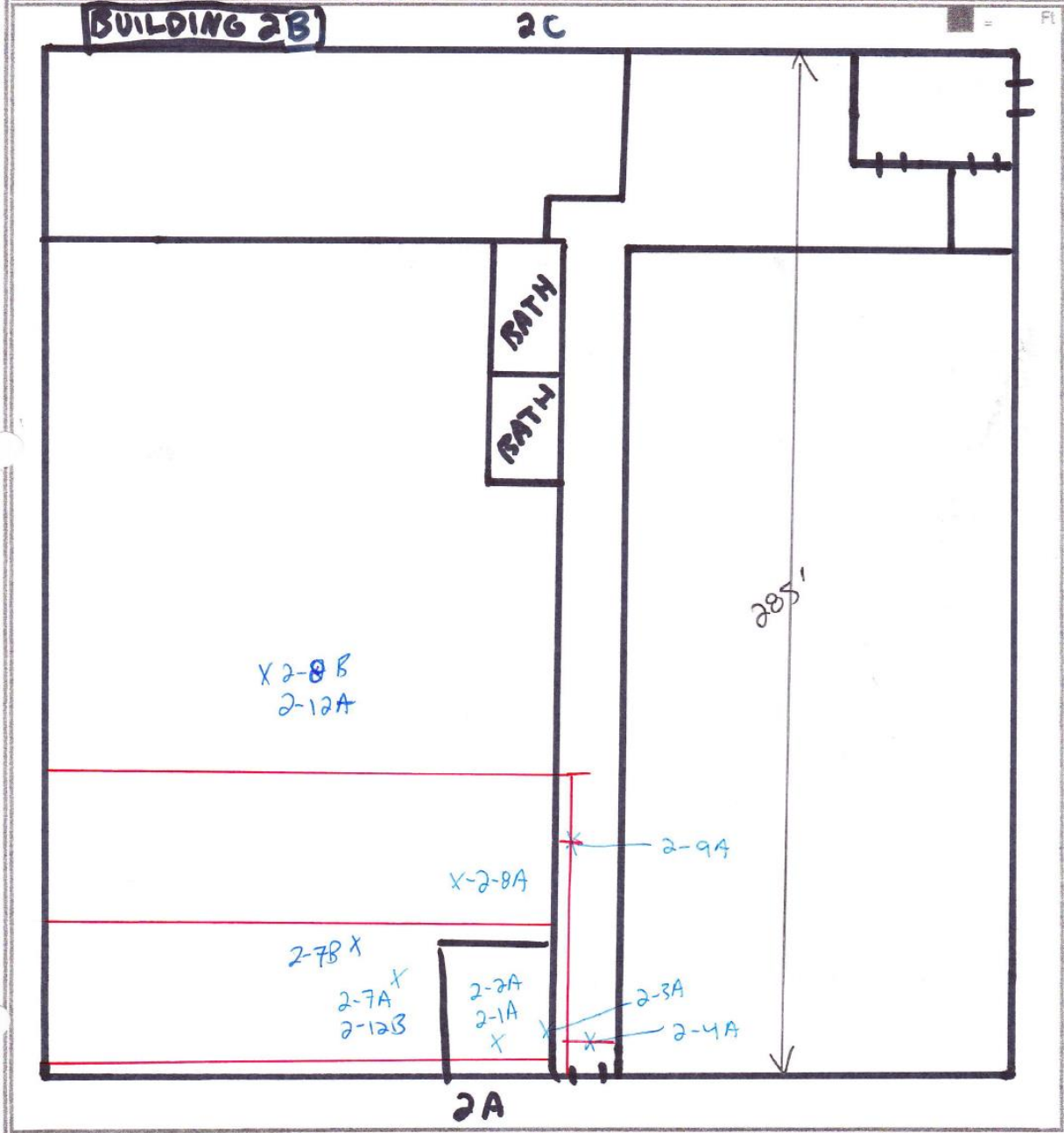
BATTA ENVIRONMENTAL ASSOCIATES, INC.  
Delaware Industrial Park  
6 Garfield Way  
Newark, DE 19713-5817  
Ph (302) 737-3376  
Fx (302) 737-5764  
www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitoring  
Site Inspected: VSA - 700 Robbins St. Phila PA  
Building Inspector (s): N/M



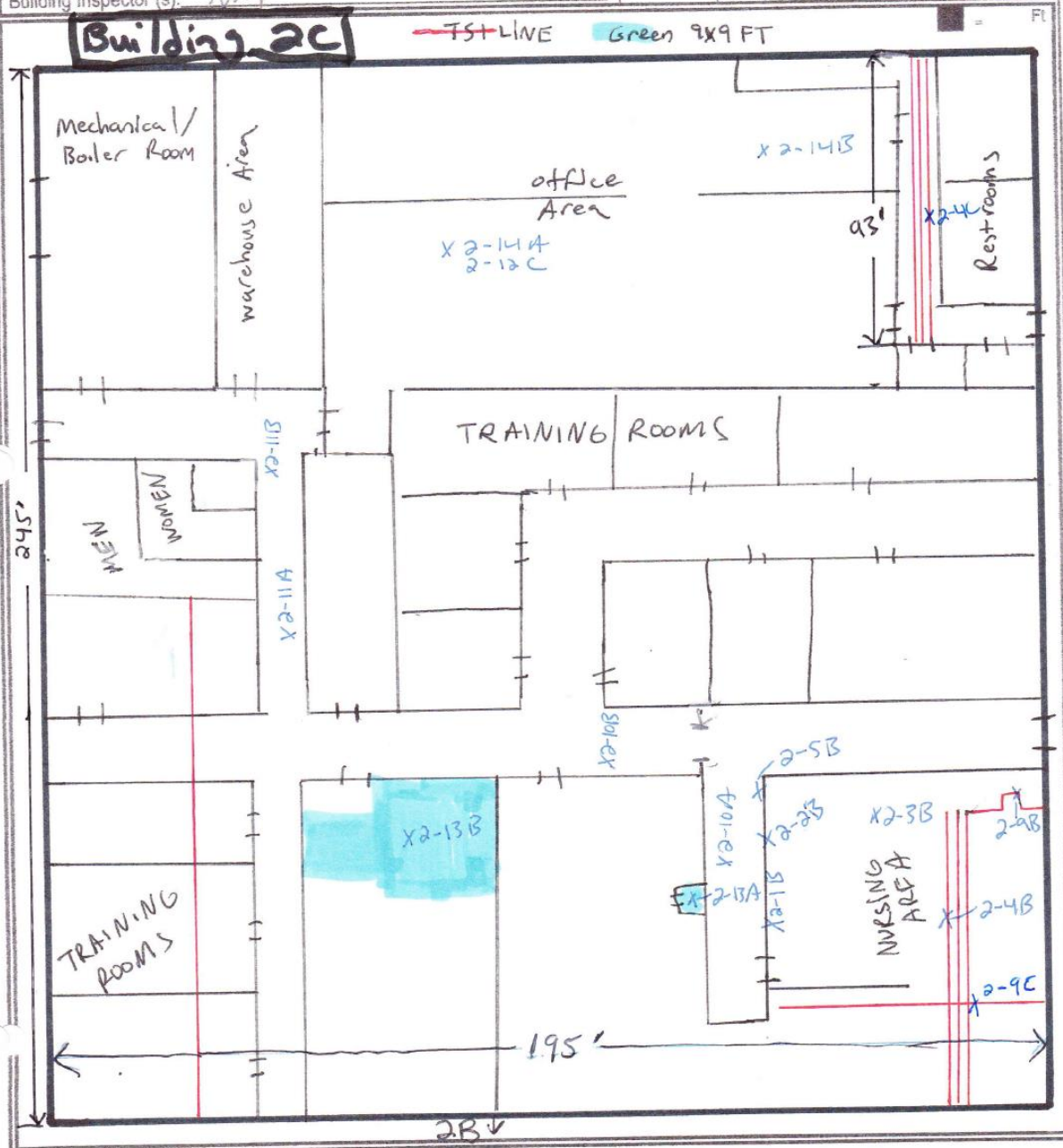
BEA#: 7726151  
Date: 11 / 1 / 19  
Drawing Sheet 1 of 3



## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitoring  
Site Inspected: VSA - 700 Robbins St. Phila PA  
Building Inspector (s): NM

BEA#: 772615L  
Date:      /      /       
Drawing Sheet 2 of 3

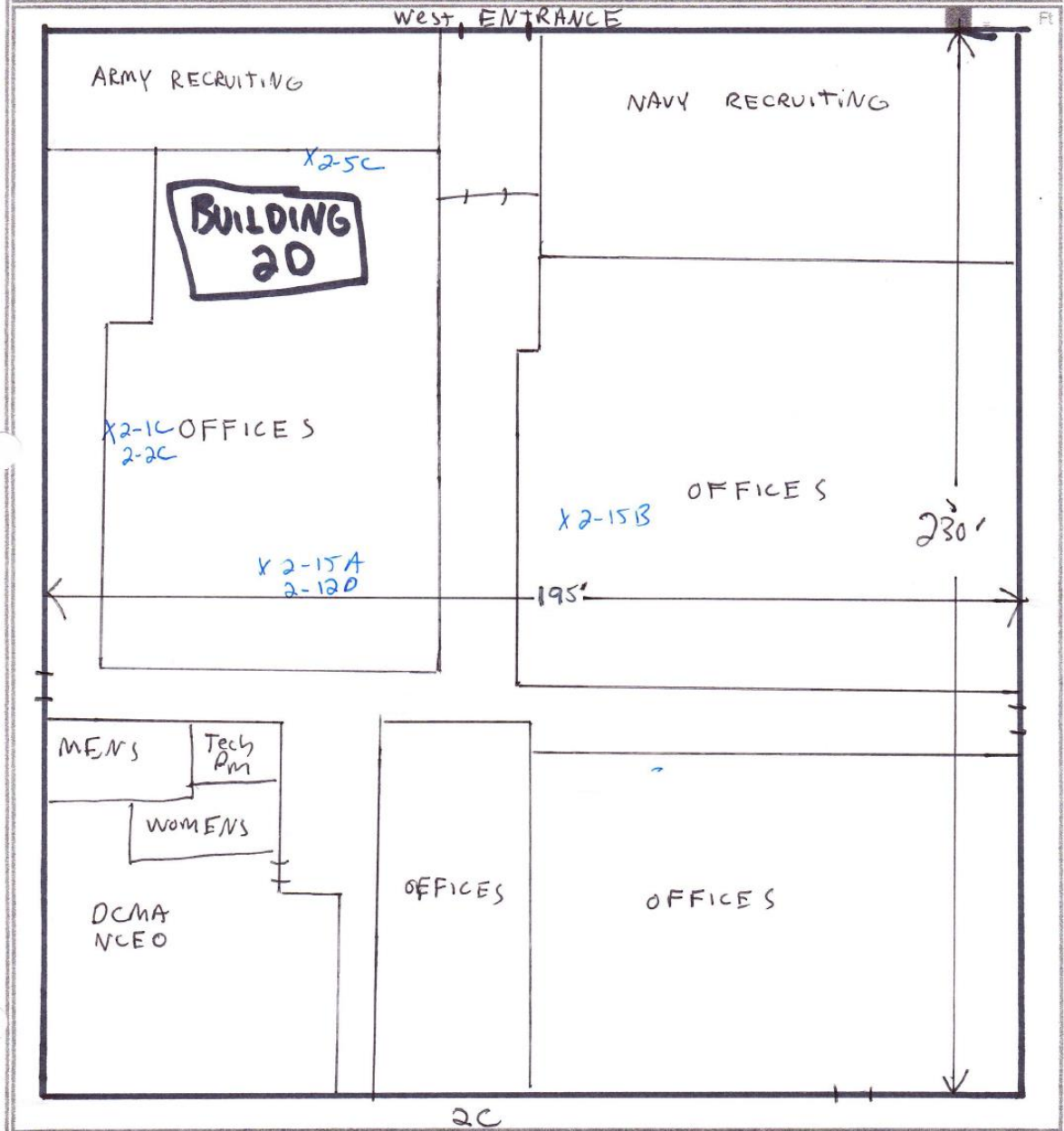




## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3rd Party Air Monitoring  
 Site Inspected: VSA - 700 Robbins St. Phila PA  
 Building Inspector (s): N/M

BEA#: 772615L  
 Date: 11 / 19  
 Drawing Sheet 3 of 3



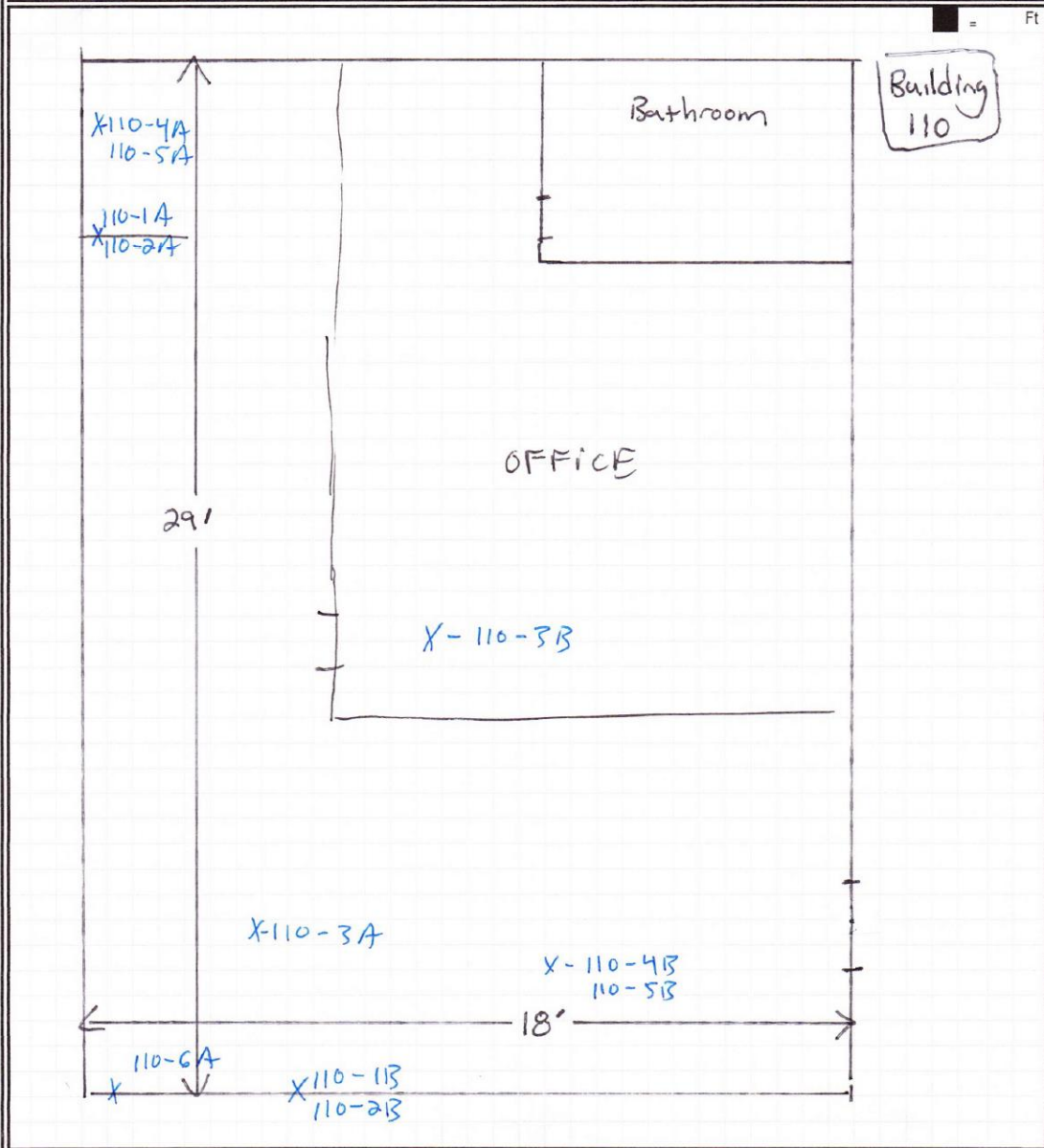


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Newark, DE 19713-5817 www.battaenv.com

## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC-3<sup>rd</sup> Party Air Monitor (Surve)  
Site Inspected: NSA-700 Robbins St. Phila PA  
Building Inspector (s): NM

BEA#: 772615L  
Date:      /      /       
Drawing Sheet 1 of 1

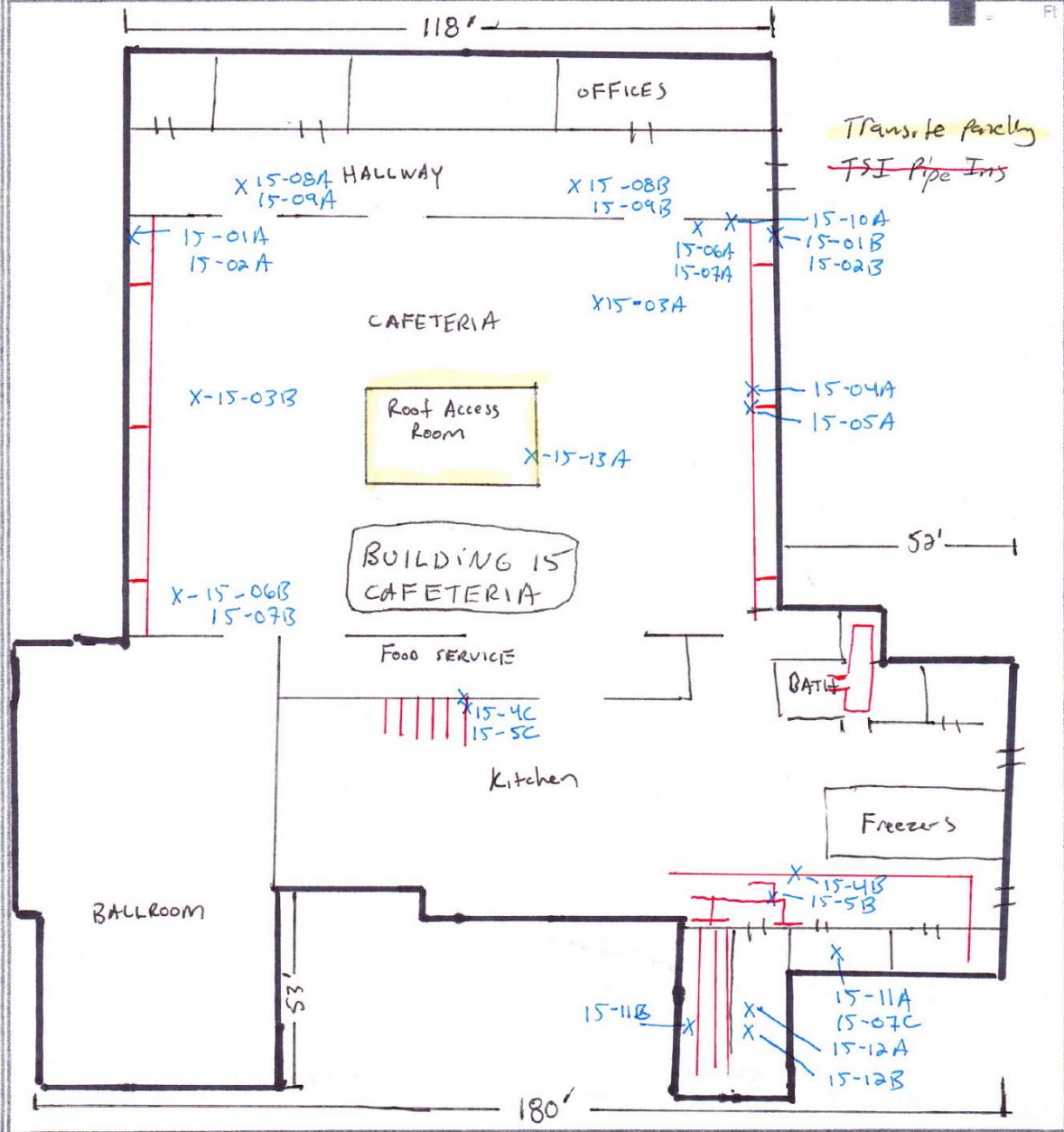




## FLOOR PLAN SKETCH / LOCATION DIAGRAM

Project Name: NAVFAC - 3<sup>rd</sup> Party Air Monitoring  
 Site Inspected: VSA - 700 Robbins St. Phila PA  
 Building Inspector (s): N/M

BEA#: 772615L  
 Date: 1/1/1  
 Drawing Sheet        of       



## **APPENDIX C**

### **COMPANY AND INDIVIDUAL CERTIFICATIONS**

**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

*BUREAU OF LABORATORIES*  
*LABORATORY ACCREDITATION PROGRAM*



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION



Certifies That

**68-00738**

**Batta Laboratories LLC**

**Delaware Industrial Pk, 6 Garfield Way, Newark, DE,  
19713**

Having duly met the requirement of

The act of June 29, 2002 (P.L. 596, No. 90)

dealing with Environmental Laboratories Accreditation

(27 Pa. C.S. 4104-4113) and the

National Environmental Laboratory Accreditation Program Standard  
is hereby approved as an

**Accredited Laboratory**

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP to an environmental laboratory is conditioned upon continued compliance with the current edition of the NELAP Standard or TNI Standard and the following Subchapters and Sections of 25 Pa. Code Chapter 252: Subchapter A (relating to general provisions); Subchapter B (relating to application, fees and supporting documents); Subchapter E (relating to proficiency test study requirements); Subchapter F (relating to assessment requirements); Subchapter G (relating to miscellaneous provisions); Section 252.307; and Section 252.401.

Expiration Date: **05/31/2020**

Certificate Number: **003**

*Caren Alge*



ASBESTOS LABORATORY LICENSE  
CITY OF PHILADELPHIA  
Department of Public Health  
Air Management Services

**Batta Laboratories, Inc**  
**6 Garfield Way**  
**Newark, DE 19713-5817**

Certification #: ALL-112  
Issue Date: 03/01/2019  
Expiration Date: 04/30/2020

DISPLAY PROMINENTLY

**PENNSYLVANIA ASBESTOS CERTIFICATION**

**057810**

|     |        |      |            |
|-----|--------|------|------------|
| Sex | Height | Eyes | Birth Date |
| M   | 6'01"  | HZL  | 01/04/1980 |

Expires: 03/06/2020      Issue Date: 04/23/2019

Class:  
INSPECTOR

NICHOLAS A MARICONDA  
128 CAVENDER LANE  
LANDENBERG PA 19350

*Nicholas A. Mariconda*

**Asbestos Investigator**  
Certified by AMS



**Nicholas Mariconda**

Certificate #: AIC18-000005  
Issue Date: 03/29/2019  
Expiration: 03/31/2020



City of Philadelphia  
Dept. of Public Health  
Air Management  
Services