

**Genesee County Land Bank Authority Blight Elimination Program
Request for Proposals- LB 18-005 Environmental Abatement, Demolition and Restoration of
810 S Ballenger Hwy
ADDENDUM #2**

April 6, 2018

The following information is to be incorporated into the bidding and contract documents and acknowledged by all bidders for the above referenced project. Bids submitted that do not acknowledge this Addendum will be deemed incomplete and may be rejected on such basis.

1. General Inquiry Questions and Answers:

Question: After conducting a site visit of 810 S Ballenger Hwy, it was brought to our attention that your quantities in the addendum for the asbestos survey are flawed.

Answer: All surveys state that quantities are estimates and RFPs state that contractors are to satisfy themselves to actual quantities prior to bidding. The drywall system does not require removal prior to demolition according to the EPA and can be left in place as long as the contractor follows applicable OSHA Asbestos in Construction Standards. Contractors are to rely on their own estimates to determine the level of effort to remove the drywall system if they choose to do so.

- 2. Corrected Supplemental Asbestos Survey:** Please find the revised supplemental Asbestos Survey with updated estimates attached. Please note, all quantities are estimates. Bidders shall satisfy themselves as to the extent of the work. Nothing in this section may be interpreted as limiting the extent of work otherwise required by this contract and related documents. Abatement of all identified ACM is to be incorporated into Bid Item 2 and Section 02 82 13.41 ASBESTOS ABATEMENT AND HAZARDOUS/REGULATED MATERIAL REMOVAL FOR TOTAL DEMOLITION PROJECTS.

Each bidder must acknowledge receipt of this addendum on RFP SUBMITTAL REQUIREMENTS CHECKLIST.

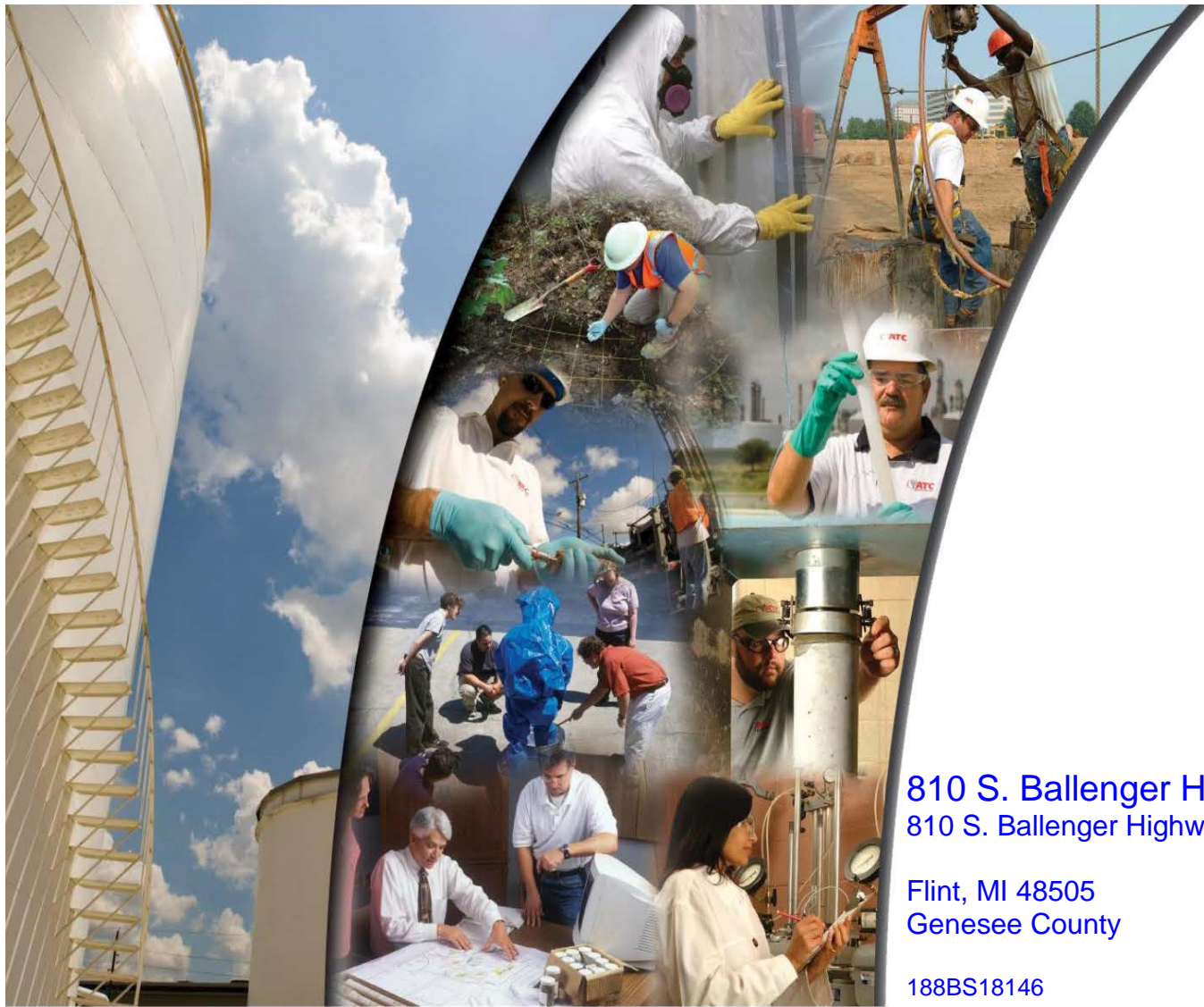
****END OF ADDENDUM****

Prepared by:
Genesee County Land Bank
452 S. Saginaw St., Second Floor



ATTACHMENT 1

REVISÉD 4/6/18



810 S. Ballenger Hwy
810 S. Ballenger Highway

Flint, MI 48505
Genesee County

188BS18146

Prepared for:

Genesee County Land Bank

March 29, 2018



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

Document Information

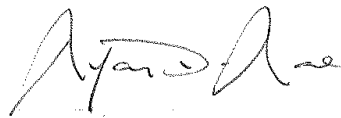
Prepared for Genesee County Land Bank
Project Name 810 S. Ballenger Hwy
File Reference Genesee County.810 Ballenger
Job Reference 188BS18146
Date March 29, 2018

Contact Information

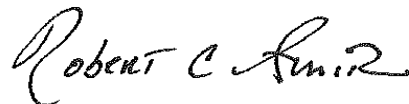
ATC Group Services LLC
46555 Humboldt, Suite 100
Novi, Michigan 48377
Telephone: 248.669.5140
Facsimile: 248.669.5147
www.atcgroupservices.com

Document Control

| Version | Date | Author | Author Initials | Reviewer | Reviewer Initials |
|---------|-----------|-------------|-----------------|----------|-------------------|
| V1 | 3/28/2018 | Kim Johnson | KJ | Ryan Rae | RR |
| Final | 3/29/2018 | Kim Johnson | KJ | Ryan Rae | RR |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



Ryan Rae
Project Manager
for ATC
Direct Line +1 248-669-5140
Email: ryan.rae@atcgs.com



Robert Smith
Building Sciences Department Manager
for ATC
Direct Line +1 248-669-5140
Email: robert.smith@atcgs.com

Executive Summary

ATC Group Services LLC (ATC) has completed the supplemental pre-demolition asbestos survey for the multi-family residential property (apartment complex) located at 810 S. Ballenger Highway, Flint, Michigan. The information provided in the supplemental pre-demolition asbestos survey is intended to augment the original *Pre-Demolition Hazardous Material Survey*, dated November 23, 2016, prepared by AKT Peerless Environmental and Energy Services (AKT Peerless) and shall not be considered a “Stand Alone” document. Quantities of asbestos containing materials provided in ATC’s supplemental pre-demolition survey are estimates only. The estimate quantities of ACM are provided for informational purposes only and are based on the best information available at the time of the specification preparation. The Abatement Contractor shall satisfy themselves as to the quantity of ACM materials and to the extent of the work.

One hundred ninety-seven (197) samples, taken from ninety-two (92) homogenous areas, were collected and submitted for analysis by PLM. The results of laboratory testing during the pre-demolition asbestos survey conducted at the property indicate that twenty-one (21) of the materials sampled were found to contain asbestos.

Based upon the drywall system composite sample results of drywall system samples collected by AKT Peerless, sample results were less than 1% asbestos, and therefore are not regulated by NESHAP, however it is regulated by MIOSHA as Class II work. Contractors that perform Work shall be a licensed abatement contractor and shall comply with all requirements of Class II work.

Non-friable, suspect ACM’s such as roofing material, shall not be subjected to abrasion, grinding, sanding or any other processes during demolition activities which will render these non-friable materials friable.

Based on the NESHAP (National Emission Standards for Hazardous Air Pollutants) non-friable Category I ACM and Category I non-friable PACM roofing materials that are asphalt/tar based can be demolished with a building so long as it is in good condition and will not be cut, pounded, sanded, or grinded during demolition, and that measures are taken to ensure that it does not become friable, at which point will be considered RACM. However, Genesee County Land Bank Authority (GCLBA) policy requires Contractor to abate resilient floor coverings, prior to the demolition. Additionally, if demolition materials are going to be recycled, the Category I materials must be removed from the building prior to demolition activities. Additionally, it is the policy and practice of the GCLBA to abate what can feasibly be abated despite the condition of the structure, whether or not a structure will ultimately be demolished as asbestos containing (ordered/emergency demolition). Conditions inhibiting the abatement of ACM must be thoroughly documented, justified, and approved by the GCLBA and ATC prior to demolition. In addition, all roofing materials shall not be recycled if they contain ACM.

Lead containing paint sampling was not conducted as part of the scope of work and Contractors performing work at the site should assume materials within the building contain levels of lead above the detection limit. Contractors working onsite follow the OSHA Lead in Construction Standard to ensure the protection of their workers during demolition activities.

Table of Contents

| | |
|---|------------|
| Executive Summary | iii |
| 1 Introduction | 5 |
| 1.1 Purpose | 5 |
| 1.2 Pre-Demolition Asbestos & Regulated Material Survey | 5 |
| 2 General Site Conditions | 6 |
| 2.1 General Property and Building Information | 6 |
| 3 Pre-Demolition Asbestos Survey | 7 |
| 3.1 Homogeneous Areas | 7 |
| 3.2 Hazard Assessment Factors | 7 |
| 3.3 Laboratory Analytical Methodology | 7 |
| 3.4 Sampling Results | 8 |
| 4 Conclusions and Recommendations | 13 |
| 4.1 Asbestos-Containing Materials | 13 |

Tables

| | |
|---|---|
| Table 2-1 General Property and Building Information | 6 |
| Table 3-1 ACM Sampling Results | 8 |

Appendices

| | |
|--|--|
| Appendix A ASBESTOS LABORATORY REPORTS | |
| Appendix B QUALIFICATIONS | |

1 Introduction

1.1 Purpose

The purpose of this project was to conduct a supplemental pre-demolition asbestos survey at the multi-family residential property (apartment complex) located at 810 S. Ballenger Highway, Flint, Michigan, (herein referred to as “the property”).

1.2 Pre-Demolition Asbestos & Regulated Material Survey

The scope of the supplemental pre-demolition asbestos survey included the following:

- > Review of existing asbestos reports for the building, if available;
- > Survey of the property building(s);
- > Identification of accessible suspect asbestos-containing materials (ACMs); and
- > Collection and analysis of bulk samples of suspect friable and non-friable materials.

2 General Site Conditions

2.1 General Property and Building Information

General property and building information is presented in the following table:

Table 2-1 General Property and Building Information

| | |
|--|--|
| Date of Inspection: | March 23, 2018 |
| Inspector(s): | Joseph Seibert, Inspector Number A51777 Branden C. Tincu, Inspector Number A39513 |
| Property Address: | 810 S. Ballenger Highway, Flint, Michigan, 48505 |
| Parcel Number(s): | NA |
| Property Owner | Genesee County Land Bank |
| Property Owner Address | 452 S. Saginaw Street, Flint, Michigan, 48502 |
| Property Owner Telephone No. | 810-257-3088 Ext. 539 |
| Building Construction Date: | NA |
| Date(s) of Significant Renovations: | NA |
| Building Description: | NA |
| Building Square Footage (Approximate): | NA |

3 Pre-Demolition Asbestos Survey

ATC representatives, Mr. Joseph Seibert and Mr. Branden C. Tincu, conducted the supplemental pre-demolition asbestos inspection of the property buildings on March 23, 2018. Mr. Seibert and Mr. Tincu are State of Michigan Certified Asbestos Inspectors (Certification Nos. A51777 and A37593 respectively). Bulk samples of suspect ACMs were collected and placed into individual containers for transport to a National Voluntary Lab Accreditation Program (NVLAP)-accredited laboratory for analysis. Materials typically known as non-asbestos items (i.e. fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos inspection consisted of the following three basic procedures:

- > Conducting a visual inspection of the structures;
- > Identifying homogeneous areas (HAs) of suspect surfacing, thermal system insulation, and miscellaneous materials; and
- > Sampling accessible, friable and non-friable suspect materials.

3.1 Homogeneous Areas

Prior to collecting any samples, homogenous areas (HAs) were identified. A homogeneous sampling area can be described as one or more areas of material that are similar in appearance and texture and that have the same apparent installation date, appearance and function. Actual number of samples collected from each homogeneous sampling area may vary, based on the type of material and professional opinion of the inspector.

3.2 Hazard Assessment Factors

From the list of suspect homogeneous areas, a physical assessment was performed for each material on the list. A physical assessment includes evaluating the condition, assessing the potential for disturbance, and determining the friability of each material. By definition, "friable" materials are those that can be crumbled or reduced to powder by hand pressure when dry. Each material identified was further classified into one of three categories: surfacing materials, thermal systems insulation (TSI) and miscellaneous materials. Each of the three categories have specific sampling requirements, outlined below.

- > *Surfacing Materials*: Refers to spray-applied or trowelled surfaces such as plaster ceilings and walls, fireproofing, textured paints, textured plasters, and spray-applied acoustical surfaces.
- > *Thermal System Insulation*: Refers to insulation used to inhibit heat gain or loss on pipes, boilers, tanks, ducts, and various other building components.
- > *Miscellaneous Materials*: Refers to friable and non-friable products and materials that do not fit in any of the above two categories such as resilient floor covering, baseboards, mastics, adhesives, roofing material, caulking, glazing, and siding. This category also contains wallboard and ceiling tile.

All materials were assessed related to their condition in one of the three categories: good (intact), fair (damaged) or poor (significantly damaged) per Title 40 Code of Federal Regulations Part 763. Material with localized, significant damage was also assessed as poor.

3.3 Laboratory Analytical Methodology

Bulk samples were analyzed by Apex Research, Inc., 11054 Hi Tech Drive, Whitmore Lake, Michigan 48189, using polarized-light microscopy (PLM) and dispersion staining (Method Reference: 40 CFR Part 763, Volume 47, No. 103, May 27, 1982 pg. 23376). This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP #102118-0), a quality assurance program for PLM analysis, and is accredited by the National Institute of Standards and Technology (NIST) as well as accreditation requirements under 15 CFR Part 25.

Copies of the laboratory analytical report and corresponding chain-of-custody forms are included in **Appendix A**. Positive sample results are reported in percent asbestos by volume of the sample and the type of asbestos material

within the sample. Other common non-asbestos components may also be noted on the analytical reports. Inspector and laboratory accreditations are provided in **Appendix B**.

3.4 Sampling Results

Bulk samples were collected from the site building and analyzed by polarized light microscopy (PLM), EPA Method 600/R-93/116. Twenty-one (21) of the materials sampled were found to contain concentrations of asbestos. The following table provides a summary of accessible suspect and confirmed ACMs from the Site buildings:

Table 3-1 ACM Sampling Results

| RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018 | | | | | | |
|---|---|---|-------------|----------------|--------------------------|----------------------|
| Sample ID/Material | Material Description | Location of Materials | Condition | Friable Yes/No | Estimated Quantity | Asbestos Content |
| Group 1 (Building 3 and 5) | | | | | | |
| 1-WG-A,B | Window glaze, Vertical/openable basement windows (15) | Exterior | Good | No | 15 windows/340 LF | ND |
| 2-WG-A,B | Window glaze, 2 pane small windows (45) | Exterior | Good | No | 45 windows/360 LF | 2% Chrysotile |
| 3-VB-A,B | Vapor board, | Exterior walls | Good | No | 40,000 SF | ND |
| 4-EC-A,B | Exterior caulk, Dark gray | On all basement windows | Good | No | 30 SF | 2% Chrysotile |
| 5-EC-A,B | Exterior caulk, light gray | Used at expansion joint and brick cracks | Good | No | 200 LF | ND |
| 6-EC-A,B | Exterior caulk, light gray with sparkles | On wood around all windows and doors | Good | No | 130 SF | 2% Chrysotile |
| 7-EC-A,B | Exterior caulk, painted blue | On mailboxes (34 mailboxes) | Good | No | 6 SF | 5% Chrysotile |
| 8-GM-A,B | Ceramic tile grout and mortar, 4" white | Debris around building | Good | No | 100 SF | ND |
| 9-BM-A,B | Brick mortar, exterior | Exterior brick | Good | No | 20,000 SF | ND |
| 10-BM-A,B | Block mortar, interior | Basements | Good | No | 15,000 SF | ND |
| 11-CC-A,B | Concrete chip, poured walls | Interior basement | Good | No | 27,000 SF | ND |
| 12-CC-A,B | Concrete chip, floor | Interior basement floor | Good | No | 27,000 SF | ND |
| 13-VP-A,B | Vapor paper | Under floors | Good | No | 54,000 SF | ND |
| 14-GM- A,B | Ceramic tile grout and mortar, 4" blue gray | Bathroom walls | Good | No | 200 SF | ND |
| 15-GM-A,B | Ceramic tile grout and mortar, 1"x1" blue gray | Bathroom floors | Good | No | 160 SF | ND |
| 16-CC-A,B | Concrete Chip, | Window sills | Good | No | 150 SF | ND |
| 17-WBS-A,B,C | Wall-board system, tape and mud | Throughout buildings in group 1 | Good | No | 79,000 SF | ND |
| 18-BI-A,B,C | Blown in insulation, brown | Exterior walls | Good | No | 700 CY | ND |

| RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018 | | | | | | |
|---|--------------------------------|---|-------------|----------------|--------------------|-----------------------|
| Sample ID/Material | Material Description | Location of Materials | Condition | Friable Yes/No | Estimated Quantity | Asbestos Content |
| 19-WG-A,B | Window glaze, | Interior fire door with reinforced glass | Good | No | 160 LF | 10% Chrysotile |
| 20-WG-A,B | Window glaze, | Stairwell windows, tilt in | Good | No | 72 LF | ND |
| 21-EC-A,B | Exterior caulk, | Along roof board | Good | No | 1000 LF | ND |
| 22-CA-A,B | Construction adhesive, | Bathroom sinks | Good | No | 160 LF | ND |
| 23-SC-A,B,C | Stack cement | FS 445, 417, 448 | Good | No | 20 SF | 10% Chrysotile |
| 24-CA-A,B | Construction adhesive | Kitchen counters | Good | No | 200 LF | ND |
| 25-FT-A,B | Floor tile, 9"x9" green | FS 445 west end | Good | No | 80 SF | 10% Chrysotile |
| 26-FS-A,B | Floor sheeting, red | FS 445 storage closet 43 | Good | No | 40 SF | ND |
| 27-BM-A,B | Brick mortar, black mastic | Basements (black mastic) | Good | No | 500 LF | ND |
| 28-FD-A,B | Fire door | Throughout | Good | No | 15 doors | 45% Chrysotile |
| Group 2 (Building 4) | | | | | | |
| 1-BM-A,B | Brick mortar | Exterior brick | Good | No | 500 CY | ND |
| 2-CC-A,B | Concrete chip | Poured walls | Good | No | 500 CY | ND |
| 3-CC-A,B | Concrete chip | Front porch and rear porch | Good | No | 260 SF | ND |
| 4-CC-A,B | Concrete chip | Basement floors | Good | No | 5,000 SF | No sample received |
| 5-IC-A,B | Interior Caulk | On cabinets | Good | No | 300 LF | ND |
| 6-CC-A,B | Concrete chip | Window sills | Good | No | 50 SF | ND |
| 7-TU-A,B | Tub undercoating, black | Bathtubs | Good | No | 80 SF | 5% Chrysotile |
| 8-VB-A,B | Vapor board | Under exterior brick | Good | No | 8,800 SF | ND |
| 9-VP-A,B | Vapor paper | Under wood floors | Good | No | 8,000 SF | ND |
| 10-WG-A,B | Window glaze | 2 pane basement windows (30) | Good | No | 30 windows/250 LF | 0.25% Chrysotile (PC) |
| 11-SC-A,B,C,D,E | Stack Cement | Chimney stacks Units 29-38 | Good | No | 60 SF | 2% Chrysotile |
| 12-EC-A,B | Exterior caulk | On brick, roofline, doors, windows, basement windows mailboxes | Good | No | 160 SF | 2% Chrysotile |
| 13-EC-A,B | Exterior caulk | On aluminium overhangs at doors | Good | No | 40 LF | ND |

| RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018 | | | | | | |
|---|--|---|-----------|----------------|--------------------|--|
| Sample ID/Material | Material Description | Location of Materials | Condition | Friable Yes/No | Estimated Quantity | Asbestos Content |
| 14-BM-A,B | Brick mortar | Patching around air conditioning units | Good | No | 30 SF | ND |
| 15-GM-A,B | Ceramic tile grout and mortar, 4" light blue/gray | Throughout building on bathroom walls | Good | No | 800 SF | ND |
| 16-GM-A,B | Ceramic tile grout and mortar, 1"x2" light blue/gray | Throughout building on bathroom floors | Good | No | 400 SF | ND |
| 17-CA-A,B | Construction adhesive, panel board tan | Throughout building on kitchen backsplash | Good | No | 160 LF | ND |
| 18-CA-A,B | Construction adhesive, panel board white | Throughout building | Good | No | 200 LF | ND |
| 19-WBS-A,B,C | Wall-board system, tape and mud | Throughout building | Good | No | 31,000 SF | 0.25% Chrysotile – Joint Compound (PC) ND – Wallboard/Drywall |
| 20-IC-A,B | Interior caulk | In bathrooms on 4" tile | Good | No | 300 LF | ND |
| 21-BM-A,B | Black mastic | On basement joists | Good | No | 500 LF | ND |
| 22-FT-A,B | Floor tile, 9"x9" beige with tan speckle | FS 377 unit 38 | Good | No | 20 SF | 5% Chrysotile |
| 23-FS-A,B | Floor sheeting, 5" square linoleum | Bar top FS377 unit 38 | Good | No | 14 SF | ND |
| 24-FT-A,B | Floor tile, 9" tan and beige | Basement unit 29 | Good | No | 30 SF | 5% Chrysotile |
| 25-CT-A,B | Ceiling tile, 12' Smooth | Basement unit 29 and unit 36 | Good | No | 80 SF | ND |
| 26-FS-A,B | Floor sheeting, 8" square brown stone | Unit 32 | Good | No | 60 SF | ND |
| 27-CA-A,B | Construction adhesive black in kitchen | Unit 30 | Good | No | 100 LF | 5% Chrysotile |
| 28-MLF-A,B | Multi-layer flooring | Kitchen unit 30 | Good | No | 80 SF | 30% Chrysotile |
| 29-FT-A,B | Floor tile, 12" beige with brown mottle | Unit 34,31,29,37,38 | Good | No | 500 SF | ND |
| 30-FT-A,B | Floor tile, 12" beige with black mottle | Unit 33,35 | Good | No | 200 SF | ND |
| 31-MLF-A,B | Multi-layer flooring | Unit 36 | Good | No | 80 SF | ND |
| Group 3 (Building 1 and 2) | | | | | | |
| 1-VB-A,B | Vapor Board | Behind exterior brick | Good | No | 18,000 SF | ND |
| 2-VP-A,B | Vapor paper | Under wood floors | Good | No | 16, 000 SF | ND |
| 3-WG-A,B | Window glaze | Aluminium frame windows | Good | No | 150 LF | ND |
| 4-WG-A,B | Window glaze | Basement metal old windows | Good | No | 600 LF | ND |
| 5-WG-A,B | Window glaze | Basement metal new windows | Good | No | 400 LF | ND |

| RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018 | | | | | | |
|---|---|--|-------------|----------------|--------------------|---|
| Sample ID/Material | Material Description | Location of Materials | Condition | Friable Yes/No | Estimated Quantity | Asbestos Content |
| 6-EC-A,B | Exterior Caulk | Doors, windows, basement windows, mailboxes | Good | No | 242 SF | 5% Chrysotile |
| 7-EC-A,B | Exterior Caulk | Air conditioning units | Good | No | 140 LF | ND |
| 8-WBS-A,B,C | Wall-board system | Throughout the buildings | Good | No | 90,000 SF | 0.5% Chrysotile – Joint Compound (PC) ND – Wallboard/Drywall * |
| 9-SC-A,B,C,D,E | Stack cement | Chimney stacks in the buildings | Good | No | 60 SF | ND |
| 10-EC-A,B | Exterior Caulk | On porch metal poles | Good | No | 30 LF | ND |
| 11-BM-A,B | Brick mortar | Exterior | Good | No | 30,000 SF | ND |
| 12-CC-A,B | Concrete chip | Porches | Good | No | 80 CY | ND |
| 13-CC-A,B | Concrete chip | Window sills | Good | No | 50 SF | ND |
| 14-FI- A,B | Felt insulation | Air conditioning units | Good | No | 400 SF | ND |
| 15-IC-A,B | Interior caulk | Window frames | Good | No | 300 LF | ND |
| 16-IC-A,B | Interior caulk | Kitchen cabinets | Good | No | 100 LF | ND |
| 17-WB-A,B | Wall-board | Green board in basement of unit 1 | Good | No | 20 SF | ND |
| 18-DG-A,B | Door gasket | FS 11 | Good | No | 20 LF | ND |
| 19-CC-A,B | Concrete chip | Poured walls | Good | No | 400 CY | ND |
| 20-CC-A,B | Concrete chip | Basement floors | Good | No | 12,000 SF | ND |
| 21-WG-A,B | Window glaze | Egress windows | Good | No | 60 LF | Trace Chrysotile (PC) |
| 22-CT-A,B | Ceiling tile, 12" smooth | FS 173 | Good | No | 80 SF | ND |
| 23-TU-A,B | Tub undercoating | Bathrooms | Good | No | 150 SF | 5% Chrysotile |
| 24-DW-A,B,C | Duct wrap | Basement of unit 4 | Good | No | 1 SF | 60% Chrysotile |
| 25-GM-A,B | Ceramic tile grout and mortar, 1"x1" gray | Bathroom walls | Good | No | 1,100 SF | ND |
| 26-GM-A,B | Ceramic tile grout and mortar, 4"x4" gray | Bathroom floors | Good | No | 820 SF | ND |
| 27-FS-A,B | Floor sheeting, Beige with tan crackle | FS 141 | Good | No | 60 SF | ND |
| 28-WG-A,B | Window glaze | Aluminium window, unit 16 and 28 | Good | No | 120 LF | 5% Chrysotile |

| RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018 | | | | | | |
|---|--|---|-----------------------|--------------------------------------|--------------------|--|
| Sample ID/Material | Material Description | Location of Materials | Condition | Friable Yes/No | Estimated Quantity | Asbestos Content |
| 29-GM-A,B | Ceramic tile grout and mortar, 12"x12" Beige | FS 163, 164 | Good | No | 120 SF | ND |
| 30-FT-A,B | Floor tile, 9"x9" beige wood grain | FS 196 | Good | No | 60 SF | 5% Chrysotile – FT 5% Chrysotile - Mastic |
| 31-CP-A,B | Ceiling panel, 18"x3' smooth | FS 196 | Good | No | 80 SF | ND |
| 32-BM-A,B | Black mastic | All basements (rope insulation) | Good | No | 508 LF | 5% Chrysotile |
| 31-VP-A,B | Vapor Paper | Exterior wall, FS 117 | Good | No | 100 SF | ND |
| ND: None Detected | | s.f./l.f/c.y.: square feet/linear feet/cubic yard | VFT: Vinyl Floor Tile | | | |
| NA: Not Applicable | | M: Miscellaneous | S: Surfacing | | | |
| TSI: Thermal System Insulation | | PACM: Presumed ACM | NQ: Not Quantified | | | |
| NESHAP | | | | | | |
| RACM: Regulated ACM | | Cat. I: Category I Non-Friable ACM | | Cat. II: Category II Non-Friable ACM | | |

*Based upon the drywall system composite sample results of drywall system samples collected by AKT Peerless, sample results were less than 1% asbestos, and therefore are not regulated by NESHAP, however it is regulated by MIOSHA as Class II work. Contractors that perform Work shall be a licensed abatement contractor and shall comply with all requirements of Class II work.

In the event additional suspect material is discovered during demolition activities, this material should be treated as presumed asbestos-containing material (PACM) in accordance with regulations 29 CFR 1926.1101 and 1910.1001 and other applicable state and local regulations and either sampled to confirm or nullify asbestos content or be treated as ACM and abated at no additional cost to the GCLBA.

4 Conclusions and Recommendations

4.1 Asbestos-Containing Materials

The results of laboratory testing during the pre-demolition asbestos survey conducted at the property indicate that twenty-one (21) of the materials sampled were found to contain asbestos. If these materials cannot be removed safely prior to demolition, the Contractor performing the work should comply with all requirements of OSHA and all building materials should be treated as ACM waste and disposed according to the requirements of NESHAP. If materials identified to contain asbestos can be removed safely they should be removed prior to demolition by a licensed abatement company.

Based upon the drywall system composite sample results of drywall system samples collected by AKT Peerless, sample results were less than 1% asbestos, and therefore are not regulated by NESHAP, however it is regulated by MIOSHA as Class II work. Contractors that perform Work shall be a licensed abatement contractor and shall comply with all requirements of Class II work.

Access to some areas within the structure were limited due to unsafe conditions and materials not identified in this report may be present within the building. The approximate quantity of asbestos materials and materials contaminated with asbestos were estimated and Contractors that intend to bid on removal of this material should not rely on the exact quantities estimated in this report. Contractors should conduct an assessment of the property to determine the time and effort required to complete the scope of work for the proper removal and disposal of asbestos and asbestos contaminated materials.

Non-friable ACM's shall not be subjected to abrasion, grinding, sanding or any other processes during renovation activities which will render these non-friable materials friable.

Based on the NESHAP (National Emission Standards for Hazardous Air Pollutants) non-friable Category I ACM and Category I non-friable PACM roofing materials that are asphalt/tar based can be demolished with a building so long as it is in good condition and will not be cut, pounded, sanded, or grinded during demolition, and that measures are taken to ensure that it does not become friable, at which point will be considered RACM. However, Genesee County Land Bank Authority 's (GCLBA) policy requires Contractor to abate resilient floor coverings, prior to the demolition. Additionally, if demolition materials are going to be recycled, the Category I materials must be removed from the building prior to demolition activities. Additionally, it is the policy and practice of the GCLBA to abate what can feasibly be abated despite the condition of the structure, whether or not a structure will ultimately be demolished as asbestos containing (ordered/emergency demolition). Conditions inhibiting the abatement of ACM must be thoroughly documented, justified, and approved by the GCLBA and ATC prior to demolition. In addition, all roofing materials shall not be recycled if they contain ACM.

This statement is in lieu of other statements either expressed or implied. This report does not warrant against changes to material from future operations or conditions, nor does it warrant against operations or conditions against present ACM materials.

The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

810 S. Ballenger Hwy

APPENDIX A

ASBESTOS LABORATORY REPORTS

March 29, 2018

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 01
Cust. #: 1-VB-A
Material: Vapor Board
Location: Behind Exterior Brick
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 30%
Other - 70%

Lab ID #: 75876 - 02
Cust. #: 1-VB-B
Material: Vapor Board
Location: Behind Exterior Brick
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 30%
Other - 70%

Lab ID #: 75876 - 03
Cust. #: 2-VP-A
Material: Vapor Paper
Location: Under Wood Floors
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 40%
Other - 60%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 75876 - 04 Cust. #: 2-VP-B Material: Vapor Paper Location: Under Wood Floors Appearance: black,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Other - 60% |
| Lab ID #: 75876 - 05 Cust. #: 3-WG-A Material: Window Glaze Location: Aluminum Frame Windows Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75876 - 06 Cust. #: 3-WG-B Material: Window Glaze Location: Aluminum Frame Windows Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 07
Cust. #: 4-WG-A
Material: Window Glaze
Location: Basement Metal Old Windows
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 08
Cust. #: 4-WG-B
Material: Window Glaze
Location: Basement Metal Old Windows
Appearance: beige,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 09
Cust. #: 5-WG-A
Material: Window Glaze
Location: Basement Metal New Windows
Appearance: white,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 10
Cust. #: 5-WG-B
Material: Window Glaze
Location: Basement Metal New Windows
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 11
Cust. #: 6-EC-A
Material: Exterior Caulk, Doors
Location: Windows, Bsmt Windows, Mailboxes
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75876 - 12
Cust. #: 6-EC-B
Material: Exterior Caulk, Doors
Location: Windows, Bsmt Windows, Mailboxes
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 13
Cust. #: 7-EC-A
Material: Exterior Caulk
Location: Air Conditioning Units
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 14
Cust. #: 7-EC-B
Material: Exterior Caulk
Location: Air Conditioning Units
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 15
Cust. #: 8-WBS-A
Material: Joint Compound
Location: Throughout Buildings
Appearance: beige, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 75876 - 15-pc Cust. #: 8-WBS-A Material: Joint Compound Location: Throughout Buildings Appearance: beige, fibrous, homogenous Layer: 1 of 2 | Asbestos Present: NO Chrysotile - 0.25% POINT COUNT RESULT | Other - 99.75% |
| Lab ID #: 75876 - 15a Cust. #: 8-WBS-A Material: Wallboard/Drywall Location: Throughout Buildings Appearance: grey, fibrous, homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |
| Lab ID #: 75876 - 16 Cust. #: 8-WBS-B Material: Wallboard/Drywall Location: Throughout Buildings Appearance: grey, fibrous, homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|--------------------------------|
| Lab ID #: 75876 - 16a Cust. #: 8-WBS-B Material: Joint Compound Location: Throughout Buildings Appearance: beige,fibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO Chrysotile - <1% | Other - >99% |
| Lab ID #: 75876 - 16a-pc Cust. #: 8-WBS-B Material: Joint Compound Location: Throughout Buildings Appearance: beige,fibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT | Other - 100% |
| Lab ID #: 75876 - 17 Cust. #: 8-WBS-C Material: Wallboard/Drywall Location: Throughout Buildings Appearance: grey,fibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|--|-----------------------|
| Lab ID #: 75876 - 17a Cust. #: 8-WBS-C Material: Joint Compound Location: Throughout Buildings Appearance: beige, fibrous, homogenous Layer: 2 of 2 | Asbestos Present: NO Chrysotile - <1% | Other - >99% |
| Lab ID #: 75876 - 17a-pc Cust. #: 8-WBS-C Material: Joint Compound Location: Throughout Buildings Appearance: beige, fibrous, homogenous Layer: 2 of 2 | Asbestos Present: NO Chrysotile - 0.5% POINT COUNT RESULT | Other - 99.50% |
| Lab ID #: 75876 - 18 Cust. #: 9-SC-A Material: Stack Cement Location: Chimney Stacks in Buildings Appearance: grey, nonfibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 19
Cust. #: 9-SC-B
Material: Stack Cement
Location: Chimney Stacks in Buildings
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 20
Cust. #: 9-SC-C
Material: Mortar
Location: Chimney Stacks in Buildings
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 20
Cust. #: 9-SC-C
Material: Stack Cement
Location: Chimney Stacks in Buildings
Appearance: black,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75876 - 21 Cust. #: 9-SC-D Material: Stack Cement Location: Chimney Stacks in Buildings Appearance: black,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75876 - 22 Cust. #: 9-SC-E Material: Stack Cement Location: Chimney Stacks in Buildings Appearance: grey,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75876 - 22a Cust. #: 9-SC-E Material: Stack Cement Location: Chimney Stacks in Buildings Appearance: black,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 23
Cust. #: 10-EC-A
Material: Exterior Caulk
Location: On Porch Metal Poles
Appearance: white,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 24
Cust. #: 10-EC-B
Material: Exterior Caulk
Location: On Porch Metal Poles
Appearance: white,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 25
Cust. #: 11-BM-A
Material: Brick Mortar
Location: Exterior
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 26
Cust. #: 11-BM-B
Material: Brick Mortar
Location: Exterior
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 27
Cust. #: 12-CC-A
Material: Concrete Chip
Location: Porches
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 28
Cust. #: 12-CC-B
Material: Concrete Chip
Location: Porches
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 29
Cust. #: 13-CC-A
Material: Concrete Chip
Location: Window Sills
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 30
Cust. #: 13-CC-B
Material: Concrete Chip
Location: Window Sills
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 31
Cust. #: 14-FI-A
Material: Felt Insulation
Location: Air Conditioning Units
Appearance: black,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 80%
Other - 20%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|---------------------------------|
| Lab ID #: 75876 - 32 Cust. #: 14-FI-B Material: Felt Insulation Location: Air Conditioning Units Appearance: black, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 90% Other - 10% |
| Lab ID #: 75876 - 33 Cust. #: 15-IC-A Material: Interior Caulk Location: Window Frames Appearance: white, nonfibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75876 - 34 Cust. #: 15-IC-B Material: Interior Caulk Location: Window Frames Appearance: white, nonfibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 75876 - 35 Cust. #: 16-IC-A Material: Interior Caulk Location: Kitchen Cabinets Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75876 - 36 Cust. #: 16-IC-B Material: Interior Caulk Location: Kitchen Cabinets Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75876 - 37 Cust. #: 17-WB-A Material: Wallboard/Drywall Location: Green Board in Basement of Unit 1 Appearance: grey,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 75876 - 38 Cust. #: 17-WB-B Material: Wallboard/Drywall Location: Green Board in Basement of Unit 1 Appearance: grey, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |
| Lab ID #: 75876 - 39 Cust. #: 18-DG-A Material: Door Gasket Location: FS 11 Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |
| Lab ID #: 75876 - 40 Cust. #: 18-DG-B Material: Door Gasket Location: FS 11 Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 41
Cust. #: 19-CC-A
Material: Concrete Chip
Location: Poured Walls
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 42
Cust. #: 19-CC-B
Material: Concrete Chip
Location: Poured Walls
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 43
Cust. #: 20-CC-A
Material: Concrete Chip
Location: Basement Floors
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|--|-----------------------|
| Lab ID #: 75876 - 44 Cust. #: 20-CC-B Material: Concrete Chip Location: Basement Floors Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75876 - 45 Cust. #: 21-WG-A Material: Window Glaze Location: Egress Windows Appearance: grey,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO Chrysotile - <1% | Other - >99% |
| Lab ID #: 75876 - 45-pc Cust. #: 21-WG-A Material: Window Glaze Location: Egress Windows Appearance: grey,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 46
Cust. #: 21-WG-B
Material: Window Glaze
Location: Egress Windows
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

Lab ID #: 75876 - 46-pc
Cust. #: 21-WG-B
Material: Window Glaze
Location: Egress Windows
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
Chrysotile - Trace

POINT COUNT RESULT

Other - 100%

Lab ID #: 75876 - 47
Cust. #: 22-CT-A
Material: Ceiling Tile, 12" Smooth
Location:
Appearance: brown,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 80%
Other - 20%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 48
Cust. #: 22-CT-B
Material: Ceiling Tile, 12" Smooth
Location:
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 80%
Other - 20%

Lab ID #: 75876 - 49
Cust. #: 23-TU-A
Material: Tub Undercoating
Location: Bathrooms
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75876 - 50
Cust. #: 23-TU-B
Material: Tub Undercoating
Location: Bathrooms
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 51
Cust. #: 24-DW-A
Material: Duct Wrap
Location: Basement of Unit 4
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 60%

Other - 40%

Lab ID #: 75876 - 52
Cust. #: 24-DW-B
Material: Duct Wrap
Location: Basement of Unit 4
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75876 - 53
Cust. #: 24-DW-C
Material: Duct Wrap
Location: Basement of Unit 4
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 54
Cust. #: 25-GM-A
Material: Ceramic Tile 1"x1" Grey
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 54a
Cust. #: 25-GM-A
Material: Grout/Mortar
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 55
Cust. #: 25-GM-B
Material: Ceramic Tile 1"x1" Grey
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 55a
Cust. #: 25-GM-B
Material: Grout/Mortar
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 56
Cust. #: 26-GM-A
Material: Ceramic Tile Grout/Mortar, 4"x4" Grey
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 57
Cust. #: 26-GM-B
Material: Ceramic Tile Grout/Mortar, 4"x4" Grey
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 75876 - 57a Cust. #: 26-GM-B Material: Ceramic Tile Grout/Mortar, 4"x4" Grey Location: Bathrooms Appearance: grey,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75876 - 58 Cust. #: 27-FS-A Material: Floor Sheeting, Beige w/ Tan Crackle Location: FS 141 Appearance: grey,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Fiberglass - 10% Other - 80% |
| Lab ID #: 75876 - 59 Cust. #: 27-FS-B Material: Floor Sheeting, Beige w/ Tan Crackle Location: FS 141 Appearance: grey,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Fiberglass - 10% Other - 80% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 60
Cust. #: 28-WG-A
Material: Window Glaze
Location: Aluminum Window, Unit 16, 28
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75876 - 61
Cust. #: 28-WG-B
Material: Window Glaze
Location: Aluminum Window, Unit 16, 28
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75876 - 62
Cust. #: 29-GM-A
Material: Ceramic Tile 12"x12" Beige Grout
Location: FS 163, 164
Appearance: white, nonfibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 62a
Cust. #: 29-GM-A
Material: Mortar
Location: FS 163, 164
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 63
Cust. #: 29-GM-B
Material: Ceramic Tile 12"x12" Beige Grout/Plaster
Location: FS 163, 164
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 63a
Cust. #: 29-GM-B
Material: Mortar
Location: FS 163, 164
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75876 - 64 Cust. #: 30-FT-A Material: Floor Tile, 9"x9" Beige Wood Grain Location: FS 196 Appearance: beige, fibrous, homogenous Layer: 1 of 2 | Asbestos Present: YES Chrysotile - 5% | Other - 95% |
| Lab ID #: 75876 - 64a Cust. #: 30-FT-A Material: Mastic Location: FS 196 Appearance: black, fibrous, homogenous Layer: 2 of 2 | Asbestos Present: YES Chrysotile - 5% | Other - 95% |
| Lab ID #: 75876 - 65 Cust. #: 30-FT-B Material: Floor Tile, 9"x9" Beige Wood Grain Location: FS 196 Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 66
Cust. #: 31-CP-A
Material: Ceiling Panel, 18"x3' Smooth
Location: FS 196
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 90%
Other - 10%

Lab ID #: 75876 - 67
Cust. #: 31-CP-B
Material: Ceiling Panel, 18"x3' Smooth
Location: FS 196
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 90%
Other - 10%

Lab ID #: 75876 - 68
Cust. #: 32-BM-A
Material: Black Mastic
Location: All Basements
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 69
Cust. #: 32-BM-B
Material: Black Mastic
Location: All Basements
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75876 - 70
Cust. #: 31-VP-A
Material: Vapor Paper
Location: Exterior Wall, FS 117
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 60%
Other - 40%

Lab ID #: 75876 - 71
Cust. #: 31-VP-B
Material: Vapor Paper
Location: Exterior Wall, FS 117
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 60%
Other - 40%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



75876

Apex Research, Inc.
 1054 Hi Tech Drive, Whitmore Lake, MI 48189. **Phone:** (734) 449-9990, **Fax:** (734) 449-9991.
Web Site: <http://apexresearch-inc.com>

**3 Client Name:**

ATC Group Services

Date of Survey: 3-23-2018

Address:46555 Humboldt
Drive, Suite 100

Project: 810 S. Ballenger Highway-Group3

Relinquished By: Joseph Seibert

City, St., Zip:

Novi, MI 48377

Project #: 188BS18146

Date: 3/26/18

Phone:

(248) 669-5140

Received By: *Apex*

MAR 27 2018

Fax:

(248)-669-5147

Contact Person: Rob Smith

| | | | | | | |
|---|----------|--|-------------------|-----------|--------------|-----------------------------------|
| Turn Around Time: (Circle One) | Rush | 24 Hour <input checked="" type="checkbox"/> | 48 Hour | 72 Hour | Other: _____ | TTP (Test Till Positive) _____ |
| | Asbestos | Bulk: <input checked="" type="checkbox"/> | Point Count _____ | PCM _____ | | |

APEX RESEARCH

Special Instructions:

- 1st Positive Stop;
- Composite all drywall/joint compound samples if any layer of system is greater than 5% asbestos;
- Point Count ALL PLASTER samples Trace to 3% asbestos content
- Point Count ALL SAMPLES Trace to 1% asbestos content

| Lab ID # | Client ID # | Material | Location | Quantity | Area | Results |
|----------|----------------|-------------------|---|-----------|------|---------|
| 1,2 | 1-VB-A,B | Vapor Board | Behind exterior brick | | | |
| 3,4 | 2-VP-A,B | Vapor paper | Under wood floors | 16,000 SF | | |
| 5,6 | 3-WG-A,B | Window glaze | Aluminum frame windows | | | |
| 7,8 | 4-WG-A,B | Window glaze | Basement metal old windows | 600 LF | | |
| 9,10 | 5-WG-A,B | Window glaze | Basement metal new windows | 400 LF | | |
| 11,12 | 6-EC-A,B | Exterior Caulk | Doors, windows, basement windows, mailboxes | | | |
| 13,14 | 7-EC-A,B | Exterior Caulk | Air conditioning units | 140 LF | | |
| 15-17 | 8-WBS-A,B,C | Wall-board system | Throughout the buildings | | | |
| 18-22 | 9-SC-A,B,C,D,E | Stack cement | Chimney stacks in the buildings | 60 SF | | |
| 23,24 | 10-EC-A,B | Exterior Caulk | On porch metal poles | 30 LF | | |
| 25,26 | 11-BM-A,B | Brick mortar | Exterior | | | |
| 27,28 | 12-CC-A,B | Concrete chip | Porches | | | |
| 29,30 | 13-CC-A,B | Concrete chip | Window sills | | | |
| 31,32 | 14-FI-A,B | Felt insulation | Air conditioning units | 400 SF | | |

75876

Apex Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449-9990, Fax: (734) 449-9991.

Web Site: <http://apexresearch-inc.com>

| | | | | | | |
|-------|-------------|--|-----------------------------------|-----------|--|--|
| 32,34 | 15-IC-A,B | Interior caulk | Window frames | | | |
| 35,36 | 16-IC-A,B | Interior caulk | Kitchen cabinets | | | |
| 37,38 | 17-WB-A,B | Wall-board | Green board in basement of unit 1 | 20 SF | | |
| 39,40 | 18-DG-A,B | Door gasket | FS 11 | 20 LF | | |
| 41,42 | 19-CC-A,B | Concrete chip | Poured walls | | | |
| 43,44 | 20-CC-A,B | Concrete chip | Basement floors | 12,000 SF | | |
| 45,46 | 21-WG-A,B | Window glaze | Egress windows | 60 LF | | |
| 47,48 | 22-CT-A,B | Ceiling tile, 12" smooth | | | | |
| 49,50 | 23-TU-A,B | Tub undercoating | Bathrooms | 150 SF | | |
| 51,52 | 24-DW-A,B,C | Duct wrap | Basement of unit 4 | 1 SF | | |
| 54,55 | 25-GM-A,B | Ceramic tile grout and mortar, 1"x1" gray | Bathrooms | | | |
| 56,57 | 26-GM-A,B | Ceramic tile grout and mortar, 4"x4" gray | Bathrooms | | | |
| 58,59 | 27-FS-A,B | Floor sheathing, Beige with tan crackle | FS 141 | 60 SF | | |
| 60,61 | 28-WG-A,B | Window glaze | Aluminum window, unit 16 and 28 | 120 LF | | |
| 62,63 | 29-GM-A,B | Ceramic tile grout and mortar, 12"x12" Beige | FS 163, 164 | 120 SF | | |
| 64,65 | 30-FT-A,B | Floor tile, 9"x9" beige wood grain | FS 196 | 60 SF | | |
| 66,67 | 31-CP-A,B | Ceiling panel, 18"x3' smooth | FS 196 | 80 SF | | |
| 68,69 | 32-BM-A,B | Black mastic | All basements | | | |
| 70,71 | 31-VP-A,B | Vapor Paper | Exterior wall, FS 117 | 100 SF | | |

Relinquished By: Joseph Seibert

Date: 3/26/18

RECEIVED

Received By:

Date: MAR 27 2018

Terms and conditions on reverse side

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 01
Cust. #: 1-WG-A
Material: Exterior Window Glaze
Location: Vertical/Openable Basement Windows-15
Appearance: beige,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 02
Cust. #: 1-WG-B
Material: Exterior Window Glaze
Location: Vertical/Openable Basement Windows-15
Appearance: beige,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 03
Cust. #: 2-WG-A
Material: Window Glaze
Location: 2 Panel Small Windows (45) Exterior
Appearance: beige,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

| | |
|--|---|
| Lab ID #: 75875 - 04 Cust. #: 2-WG-B Material: Window Glaze Location: 2 Panel Small Windows (45) Exterior Appearance: Layer: of | Asbestos Present: NOT ANALYZED |
|--|---|

| | | |
|--|---|--------------------------------|
| Lab ID #: 75875 - 05 Cust. #: 3-VB-A Material: Vapor Board Location: Exterior Walls Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 75% Other - 25% |
|--|---|--------------------------------|

| | | |
|--|---|--------------------------------|
| Lab ID #: 75875 - 06 Cust. #: 3-VB-B Material: Vapor Board Location: Exterior Walls Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 75% Other - 25% |
|--|---|--------------------------------|

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 07
Cust. #: 4-EC-A
Material: Exterior Caulk, Dark Grey
Location: On All Basement Windows
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

Lab ID #: 75875 - 08
Cust. #: 4-EC-B
Material: Exterior Caulk, Dark Grey
Location: On All Basement Windows
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 09
Cust. #: 5-EC-A
Material: Exterior Caulk, Light Grey
Location: Used at Expansion Joint/Brick Cracks
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 10
Cust. #: 5-EC-B
Material: Exterior Caulk, Light Grey
Location: Used at Expansion Joint/Brick Cracks
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 11
Cust. #: 6-EC-A
Material: Exterior Caulk, Light Grey w/ Sparkles
Location: On Wood Around All Windows/Doors
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

Lab ID #: 75875 - 12
Cust. #: 6-EC-B
Material: Exterior Caulk, Light Grey w/ Sparkles
Location: On Wood Around All Windows/Doors
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 13
Cust. #: 7-EC-A
Material: Exterior Caulk, Paint Blue
Location: On Mailboxes
Appearance: beige, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75875 - 14
Cust. #: 7-EC-B
Material: Exterior Caulk, Paint Blue
Location: On Mailboxes
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 15
Cust. #: 8-GM-A
Material: Ceramic Tile 4" White
Location: Debris Around Building
Appearance: white, nonfibrous, homogenous
Layer: 1 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 75875 - 15a Cust. #: 8-GM-A Material: Grout Location: Debris Around Building Appearance: grey,nonfibrous,homogenous Layer: 2 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 15b Cust. #: 8-GM-A Material: Mortar Location: Debris Around Building Appearance: beige,nonfibrous,homogenous Layer: 3 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 16 Cust. #: 8-GM-B Material: Ceramic Tile 4" White Location: Debris Around Building Appearance: white,nonfibrous,homogenous Layer: 1 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 75875 - 16a Cust. #: 8-GM-B Material: Grout Location: Debris Around Building Appearance: grey,nonfibrous,homogenous Layer: 2 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 16b Cust. #: 8-GM-B Material: Mortar Location: Debris Around Building Appearance: beige,nonfibrous,homogenous Layer: 3 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 17 Cust. #: 9-BM-A Material: Brick Mortar Location: Exterior, Exterior Brick Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 75875 - 18 Cust. #: 9-BM-B Material: Brick Mortar Location: Exterior, Exterior Brick Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 19 Cust. #: 10-BM-A Material: Brick Mortar Location: Interior, Basements Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 20 Cust. #: 10-BM-B Material: Brick Mortar Location: Interior, Basements Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75875 - 21 Cust. #: 11-CC-A Material: Concrete Chip Location: Poured Walls, Interior Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 21a Cust. #: 11-CC-A Material: Concrete Location: Poured Walls, Interior Basement Appearance: grey,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 22 Cust. #: 11-CC-B Material: Concrete Chip Location: Poured Walls, Interior Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 23
Cust. #: 12-CC-A
Material: Concrete Chip
Location: Floor, Interior Basement Floor
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 24
Cust. #: 12-CC-B
Material: Concrete Chip
Location: Floor, Interior Basement Floor
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 25
Cust. #: 13-VP-A
Material: Vapor Paper
Location: Under Floors
Appearance: black,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 50%
Other - 50%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 26
Cust. #: 13-VP-B
Material: Vapor Paper
Location: Under Floors
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 50%
Other - 50%

Lab ID #: 75875 - 27
Cust. #: 14-GM-A
Material: Ceramic Tile 4" Blue Grey
Location: Bathroom Walls
Appearance: white, nonfibrous, homogenous
Layer: 1 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 27a
Cust. #: 14-GM-A
Material: Grout
Location: Bathroom Walls
Appearance: grey, nonfibrous, homogenous
Layer: 2 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75875 - 27b Cust. #: 14-GM-A Material: Mortar Location: Bathroom Walls Appearance: white,nonfibrous,homogenous Layer: 3 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 28 Cust. #: 14-GM-B Material: Ceramic Tile 4" Blue Grey Location: Bathroom Walls Appearance: white,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 28a Cust. #: 14-GM-B Material: Grout/Mortar Location: Bathroom Walls Appearance: grey,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 29
Cust. #: 15-GM-A
Material: Ceramic Tile 1"x1" Blue Grey
Location: Bathroom Floors
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 29a
Cust. #: 15-GM-A
Material: Grout/Mortar
Location: Bathroom Floors
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 30
Cust. #: 15-GM-B
Material: Ceramic Tile 1"x1" Blue Grey
Location: Bathroom Floors
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75875 - 30a Cust. #: 15-GM-B Material: Grout/Mortar Location: Bathroom Floors Appearance: grey,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 31 Cust. #: 16-CC-A Material: Concrete Chip Location: Window Sills Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75875 - 32 Cust. #: 16-CC-B Material: Concrete Chip Location: Window Sills Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 33
Cust. #: 17-WBS-A
Material: Wallboard/Drywall
Location: Throughout Buildings in Group 1
Appearance: white, fibrous, nonhomogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 15%
Other - 85%

Lab ID #: 75875 - 33a
Cust. #: 17-WBS-A
Material: Joint Compound
Location: Throughout Buildings in Group 1
Appearance: beige, nonfibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 34
Cust. #: 17-WBS-B
Material: Wallboard/Drywall
Location: Throughout Buildings in Group 1
Appearance: white, fibrous, nonhomogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 15%
Other - 85%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 34a
Cust. #: 17-WBS-B
Material: Joint Compound
Location: Throughout Buildings in Group 1
Appearance: beige,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 35
Cust. #: 17-WBS-C
Material: Wallboard/Drywall
Location: Throughout Buildings in Group 1
Appearance: white,fibrous,nonhomogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 15%
Other - 85%

Lab ID #: 75875 - 35a
Cust. #: 17-WBS-C
Material: Joint Compound
Location: Throughout Buildings in Group 1
Appearance: beige,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 36
Cust. #: 18-BI-A
Material: Blown In Insulation, Brown
Location: Exterior Walls
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 75%
Other - 25%

Lab ID #: 75875 - 37
Cust. #: 18-BI-B
Material: Blown In Insulation, Brown
Location: Exterior Walls
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 75%
Other - 25%

Lab ID #: 75875 - 38
Cust. #: 18-BI-C
Material: Blown In Insulation, Brown
Location: Exterior Walls
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 75%
Other - 25%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 39
Cust. #: 19-WG-A
Material: Window Glaze
Location: Interior Fire Door w/ Reinforced Glass
Appearance: beige, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 10%

Other - 90%

Lab ID #: 75875 - 40
Cust. #: 19-WG-B
Material: Window Glaze
Location: Interior Fire Door w/ Reinforced Glass
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 41
Cust. #: 20-WG-A
Material: Window Glaze
Location: Stairwell Windows, Tilt In
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 42
Cust. #: 20-WG-B
Material: Window Glaze
Location: Stairwell Windows, Tilt In
Appearance: white,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 43
Cust. #: 21-EC-A
Material: Exterior Caulk
Location: Along Roof Board
Appearance: white,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 44
Cust. #: 21-EC-B
Material: Exterior Caulk
Location: Along Roof Board
Appearance: white,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 45
Cust. #: 22-CA-A
Material: Construction Adhesive
Location: Bathroom Sinks
Appearance: yellow,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 46
Cust. #: 22-CA-B
Material: Construction Adhesive
Location: Bathroom Sinks
Appearance: yellow,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 47
Cust. #: 23-SC-A
Material: Stack Cement
Location:
Appearance: white,fibrous,nonhomogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 10%

Other - 90%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 48
Cust. #: 23-SC-B
Material: Stack Cement
Location:
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 49
Cust. #: 23-SC-C
Material: Stack Cement
Location:
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 50
Cust. #: 24-CA-A
Material: Construction Adhesive
Location: Kitchen Counters
Appearance: yellow,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 51
Cust. #: 24-CA-B
Material: Construction Adhesive
Location: Kitchen Counters
Appearance: yellow,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 52
Cust. #: 25-FT-A
Material: Floor Tile 9"x9" Green
Location: FS 445 West End
Appearance: green,fibrous,homogenous
Layer: 1 of 2

Asbestos Present: **YES**
Chrysotile - 10%

Other - 90%

Lab ID #: 75875 - 52a
Cust. #: 25-FT-A
Material: Mastic
Location: FS 445 West End
Appearance: brown,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 53
Cust. #: 25-FT-B
Material: Floor Tile 9"x9" Green
Location: FS 445 West End
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 54
Cust. #: 26-FS-A
Material: Floor Sheeting, Red
Location: FS 445 Storage Closet 43
Appearance: black, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 40%
Other - 60%

Lab ID #: 75875 - 55
Cust. #: 26-FS-B
Material: Floor Sheeting, Red
Location: FS 445 Storage Closet 43
Appearance: black, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 40%
Other - 60%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 56
Cust. #: 27-BM-A
Material: Brick Mortar, Black Mastic
Location: Basements
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 57
Cust. #: 27-BM-B
Material: Brick Mortar, Black Mastic
Location: Basements
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 58
Cust. #: 28-FD-A
Material: Fire Door
Location:
Appearance: grey,fibrous,nonhomogenous
Layer: 1 of 1

Asbestos Present: **YES**
Amosite - 45%

Fiberglass - 25%
Other - 30%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 59
Cust. #: 28-FD-B
Material: Fire Door
Location:
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #:
Cust. #:
Material:
Location:
Appearance:
Layer: of

Asbestos Present:

Lab ID #:
Cust. #:
Material:
Location:
Appearance:
Layer: of

Asbestos Present:

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Apex Research, Inc.
11054 Hi Tech Drive, Whitmore Lake, MI 48189. **Phone:** (734) 449-9990, **Fax:** (734) 449-9991.
Web Site: <http://apexresearch-inc.com>

**3 Client Name:**

ATC Group Services

Date of Survey: 3-23-2018

Address:46555 Humboldt
Drive, Suite 100

Project: 810 S. Ballenger Highway-Group 1

Relinquished By: Joseph Seibert

City, St., Zip:

Novi, MI 48377

Project #: 188BS18146

Date: 3/26/18

Phone:

(248) 669-5140

Project #: 188BS18146

Date: 3/26/18

Fax:

(248)-669-5147

Contact Person: Rob Smith

Date: MAR 27 2018

| | | | | | | |
|---|----------|---|-------------------|-----------|--------------|-----------------------------------|
| Turn Around Time: (Circle One) | Rush | 24 Hour X | 48 Hour | 72 Hour | Other: _____ | TTP (Test Till Positive) _____ |
| | Asbestos | Bulk: <input checked="" type="checkbox"/> | Point Count _____ | PCM _____ | | |

Special Instructions:

- 1st Positive Stop;
- Composite all drywall/joint compound samples if any layer of system is greater than 5% asbestos;
- Point Count ALL PLASTER samples Trace to 3% asbestos content
- Point Count ALL SAMPLES Trace to 1% asbestos content

| Lab ID # | Client ID # | Material | Location | Quantity | Area | Results |
|----------|-------------|---|--|--------------|------|---------|
| 1,2 | 1-WG-A,B | Window glaze, Vertical/openable basement windows (15) | Exterior | 240 LF | | |
| 3,4 | 2-WG-A,B | Window glaze, 2 pane small windows (45) | Exterior | 360 LF | | |
| 5,6 | 3-VB-A,B | Vapor board, | Exterior walls | | | |
| 7,8 | 4-EC-A,B | Exterior caulk, Dark gray | On all basement windows | 700 LF | | |
| 9,10 | 5-EC-A,B | Exterior caulk, light gray | Used at expansion joint and brick cracks | | | |
| 11,12 | 6-EC-A,B | Exterior caulk, light gray with sparkles | On wood around all windows and doors | 150 openings | | |
| 13,14 | 7-EC-A,B | Exterior caulk, painted blue | On mailboxes | | | |
| 15,16 | 8-GM-A,B | Ceramic tile grout and mortar, 4" white | Debris around building | 100 SF | | |
| 17,18 | 9-BM-A,B | Brick mortar, exterior | Exterior brick | | | |
| 19,20 | 10-BM-A,B | Block mortar, interior | Basements | | | |
| 21,22 | 11-CC-A,B | Concrete chip, poured walls | Interior basement | | | |
| 23,24 | 12-CC-A,B | Concrete chip, floor | Interior basement floor | | | |
| 25,26 | 13-VP-A,B | Vapor paper | Under floors | | | |
| 27,28 | 14-GM-A,B | Ceramic tile grout and mortar, 4" blue gray | Bathroom walls | | | |

75875

Apex Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449-9990, Fax: (734) 449-9991.

Web Site: <http://apexresearch-inc.com>

| | | | | | | |
|--------|--------------|--|--|----------|--|--|
| 29, 30 | 15-GM-A,B | Ceramic tile grout and mortar, 1"x1" blue gray | Bathroom floors | | | |
| 31, 32 | 16-CC-A,B | Concrete Chip, | Window sills | 150 SF | | |
| 33-35 | 17-WBS-A,B,C | Wall-board system, tape and mud | Throughout buildings in group 1 | | | |
| 36-38 | 18-BI-A,B,C | Blown in insulation, brown | Exterior walls | | | |
| 39, 40 | 19-WG-A,B | Window glaze, | Interior fire door with reinforced glass | | | |
| 41, 42 | 20-WG-A,B | Window glaze, | Stairwell windows, tilt in | 72 LF | | |
| 43, 44 | 21-EC-A,B | Exterior caulk, | Along roof board | 1000 LF | | |
| 45, 46 | 22-CA-A,B | Construction adhesive, | Bathroom sinks | | | |
| 47-49 | 23-SC-A,B,C | Stack cement | | 20 SF | | |
| 50, 51 | 24-CA-A,B | Construction adhesive | Kitchen counters | | | |
| 52, 53 | 25-FT-A,B | Floor tile, 9"x9" green | FS 445 west end | 80 SF | | |
| 54, 55 | 26-FS-A,B | Floor sheeting, red | FS 445 storage closet 43 | 40 SF | | |
| 56, 57 | 27-BM-A,B | Brick mortar, black mastic | Basements | | | |
| 58, 59 | 28-FD-A,B | Fire door | | 15 doors | | |

Relinquished By: Joseph Seibert

Date: 3/26/18

RECEIVED

Received By: *Ande*

Date: MAR 27 2018

Terms and conditions of purchase apply

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 01
Cust. #: 1-BM-A
Material: Brick Mortar
Location: Exterior Brick
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 02
Cust. #: 1-BM-B
Material: Brick Mortar
Location: Exterior Brick
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 03
Cust. #: 2-CC-A
Material: Concrete Chip/Plaster
Location: Poured Walls
Appearance: white,nonfibrous,nonhomogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75873 - 03a Cust. #: 2-CC-A Material: Mortar Location: Poured Walls Appearance: grey,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 04 Cust. #: 2-CC-B Material: Concrete Chip/Mortar Location: Poured Walls Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 05 Cust. #: 3-CC-A Material: Concrete Chip Location: Front Porch and Rear Porch Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 06
Cust. #: 3-CC-B
Material: Concrete Chip
Location: Front Porch and Rear Porch
Appearance: grey, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 07
Cust. #: 4-CC-A
Material: Concrete Chip
Location: Basement Floors
Appearance:
Layer: of

Asbestos Present:

NO SAMPLE RECEIVED

Lab ID #: 75873 - 08
Cust. #: 4-CC-B
Material: Concrete Chip
Location: Basement Floors
Appearance:
Layer: of

Asbestos Present:

NO SAMPLE RECEIVED

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 75873 - 09 Cust. #: 5-IC-A Material: Interior Caulk Location: On Cabinets Appearance: grey,nonfibrous,nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 10 Cust. #: 5-IC-B Material: Interior Caulk Location: On Cabinets Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 11 Cust. #: 6-CC-A Material: Concrete Chip Location: Window Sills Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 12
Cust. #: 6-CC-B
Material: Concrete Chip
Location: Window Sills
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 2%
Other - 98%

Lab ID #: 75873 - 13
Cust. #: 7-TU-A
Material: Tub Undercoating, Black
Location: Bathtubs
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75873 - 14
Cust. #: 7-TU-B
Material: Tub Undercoating, Black
Location: Bathtubs
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|--------------------------------|
| Lab ID #: 75873 - 15 Cust. #: 8-VB-A Material: Vapor Board Location: Under Exterior Brick Appearance: black, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 60% Other - 40% |
| Lab ID #: 75873 - 16 Cust. #: 8-VB-B Material: Vapor Board Location: Under Exterior Brick Appearance: black, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 60% Other - 40% |
| Lab ID #: 75873 - 17 Cust. #: 9-VP-A Material: Vapor Paper Location: Under Wood Floors Appearance: black, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Other - 60% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|--------------------------------|
| Lab ID #: 75873 - 18 Cust. #: 9-VP-B Material: Vapor Paper Location: Under Wood Floors Appearance: black,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Other - 60% |
| Lab ID #: 75873 - 19 Cust. #: 10-WG-A Material: Window Glaze Location: 2 Pane Basement Windows (30) Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 20 Cust. #: 10-WG-B Material: Window Glaze Location: 2 Pane Basement Windows (30) Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1 | Asbestos Present: NO Chrysotile - <1% | Other - >99% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 75873 - 20-pc Cust. #: 10-WG-B Material: Window Glaze Location: 2 Pane Basement Windows (30) Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1 | Asbestos Present: NO Chrysotile - 0.25% POINT COUNT RESULT | Other - 99.75% |
| Lab ID #: 75873 - 21 Cust. #: 11-SC-A Material: Stack Cement Location: Chimney Stacks Appearance: grey,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: YES Chrysotile - 2% | Other - 98% |
| Lab ID #: 75873 - 22 Cust. #: 11-SC-B Material: Stack Cement Location: Chimney Stacks Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 23
Cust. #: 11-SC-C
Material: Stack Cement
Location: Chimney Stacks
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75873 - 24
Cust. #: 11-SC-D
Material: Stack Cement
Location: Chimney Stacks
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75873 - 25
Cust. #: 11-SC-E
Material: Stack Cement
Location: Chimney Stacks
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 26
Cust. #: 12-EC-A
Material: Ext. Caulk, On Brick, Roofline, Doors
Location: Windows, Bsmt Windows Mailboxes
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

Lab ID #: 75873 - 27
Cust. #: 12-EC-B
Material: Ext. Caulk, On Brick, Roofline, Doors
Location: Windows, Bsmt Windows Mailboxes
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75873 - 28
Cust. #: 13-EC-A
Material: Exterior Caulk
Location: On Aluminum Overhangs at Doors
Appearance: beige, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75873 - 29 Cust. #: 13-EC-B Material: Exterior Caulk Location: On Aluminum Overhangs at Doors Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 30 Cust. #: 14-BM-A Material: Brick Mortar Location: Patching Around Air Conditioning Units Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 31 Cust. #: 14-BM-B Material: Brick Mortar Location: Patching Around Air Conditioning Units Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75873 - 32 Cust. #: 15-GM-A Material: Ceramic Tile 4" Lt Blue/Grey Grout Location: Throughout Building Appearance: white,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 32a Cust. #: 15-GM-A Material: Mortar Location: Throughout Building Appearance: grey,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 33 Cust. #: 15-GM-B Material: Ceramic Tile 4" Lt Blue/Grey Grout Location: Throughout Building Appearance: white,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 75873 - 33a Cust. #: 15-GM-B Material: Mortar Location: Throughout Building Appearance: grey,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 34 Cust. #: 16-GM-A Material: Ceramic 1"x2" Lt Blue/Grey, Grout/Mortar Location: Throughout Building Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 35 Cust. #: 16-GM-B Material: Ceramic 1"x2" Lt Blue/Grey, Grout/Mortar Location: Throughout Building Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 36
Cust. #: 17-CA-A
Material: Construction Adhesive, Panel Board Tan
Location: Throughout Building
Appearance: yellow, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 20%
Other - 80%

Lab ID #: 75873 - 37
Cust. #: 17-CA-B
Material: Construction Adhesive, Panel Board Tan
Location: Throughout Building
Appearance: yellow, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 38
Cust. #: 18-CA-A
Material: Construction Adhesive
Location: Panel Board White - Throughout Building
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 39
Cust. #: 18-CA-B
Material: Construction Adhesive
Location: Panel Board White - Throughout Building
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 40
Cust. #: 19-WBS-A
Material: Wallboard/Drywall
Location: Throughout Building
Appearance: white, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 20%
Other - 80%

Lab ID #: 75873 - 40a
Cust. #: 19-WBS-A
Material: Joint Compound
Location: Throughout Building
Appearance: white, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 40a-pc
Cust. #: 19-WBS-A
Material: Joint Compound
Location: Throughout Building
Appearance: white, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
Chrysotile - Trace

POINT COUNT RESULT

Other - 100%

Lab ID #: 75873 - 41
Cust. #: 19-WBS-B
Material: Joint Compound
Location: Throughout Building
Appearance: beige, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

Lab ID #: 75873 - 41-pc
Cust. #: 19-WBS-B
Material: Joint Compound
Location: Throughout Building
Appearance: beige, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
Chrysotile - 0.25%

POINT COUNT RESULT

Other - 99.75%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 75873 - 41a Cust. #: 19-WBS-B Material: Wallboard/Drywall Location: Throughout Building Appearance: grey,fibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |
| Lab ID #: 75873 - 42 Cust. #: 19-WBS-C Material: Wallboard/Drywall Location: Throughout Building Appearance: grey,fibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |
| Lab ID #: 75873 - 42a Cust. #: 19-WBS-C Material: Joint Compound Location: Throughout Building Appearance: beige,fibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO Chrysotile - <1% | Other - >99% |

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75873 - 42a-pc Cust. #: 19-WBS-C Material: Joint Compound Location: Throughout Building Appearance: beige,fibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT | Other - 100% |
| Lab ID #: 75873 - 43 Cust. #: 20-IC-A Material: Interior Caulk Location: In Bathrooms on 4" Tile Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 75873 - 44 Cust. #: 20-IC-B Material: Interior Caulk Location: In Bathrooms on 4" Tile Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 45
Cust. #: 21-BM-A
Material: Black Mastic
Location: On Basement Joists
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 46
Cust. #: 21-BM-B
Material: Black Mastic
Location: On Basement Joists
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 47
Cust. #: 22-FT-A
Material: Floor Tile 9"x9" Beige w/ Tan Specks
Location: FS 377 Unit 38
Appearance: brown,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 75873 - 48 Cust. #: 22-FT-B Material: Floor Tile 9"x9" Beige w/ Tan Specks Location: FS 377 Unit 38 Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 75873 - 49 Cust. #: 23-FS-A Material: Floor Sheeting 5" Square Linoleum Location: Bar Top FS377 Unit 38 Appearance: grey,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 20% Other - 80% |
| Lab ID #: 75873 - 50 Cust. #: 23-FS-B Material: Floor Sheeting 5" Square Linoleum Location: Bar Top FS377 Unit 38 Appearance: grey,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Fiberglass - 10% Other - 80% |

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 51
Cust. #: 24-FT-A
Material: Floor Tile 9" Tan/Beige
Location: Basement Unit 29
Appearance: brown, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75873 - 51a
Cust. #: 24-FT-A
Material: Mastic
Location: Basement Unit 29
Appearance: black, nonfibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 52
Cust. #: 24-FT-B
Material: Floor Tile 9" Tan/Beige
Location: Basement Unit 29
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 53
Cust. #: 25-CT-A
Material: Ceiling Tile, 12' Smooth
Location: Basement Unit 29 and Unit 36
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 90%
Other - 10%

Lab ID #: 75873 - 54
Cust. #: 25-CT-B
Material: Ceiling Tile, 12' Smooth
Location: Basement Unit 29 and Unit 36
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 90%
Other - 10%

Lab ID #: 75873 - 55
Cust. #: 26-FS-A
Material: Floor Sheeting, 8" Square Brown Stone
Location: Unit 32
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 10%
Other - 90%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 56
Cust. #: 26-FS-B
Material: Floor Sheeting, 8" Square Brown Stone
Location: Unit 32
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 10%
Other - 90%

Lab ID #: 75873 - 57
Cust. #: 27-CA-A
Material: Construction Adhesive, Black
Location: In Kitchen, Unit 30
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75873 - 58
Cust. #: 27-CA-B
Material: Construction Adhesive, Black
Location: In Kitchen, Unit 30
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 75873 - 59 Cust. #: 28-MLF-A Material: Multilayer Flooring/Linoleum Location: Kitchen Unit 30 Appearance: beige, fibrous, homogenous Layer: 1 of 2 | Asbestos Present: YES Chrysotile - 30% | Other - 70% |
| Lab ID #: 75873 - 59a Cust. #: 28-MLF-A Material: Multilayer Flooring Location: Kitchen Unit 30 Appearance: brown, fibrous, homogenous Layer: 2 of 2 | Asbestos Present: YES Chrysotile - 30% | Other - 70% |
| Lab ID #: 75873 - 60 Cust. #: 28-MLF-B Material: Multilayer Flooring/Linoleum Location: Kitchen Unit 30 Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 61
Cust. #: 29-FT-A
Material: Floor Tile, 12" Beige w/ Brown Mottle
Location: Unit 34, 31, 29, 37, 38
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 62
Cust. #: 29-FT-B
Material: Floor Tile, 12" Beige w/ Brown Mottle
Location: Unit 34, 31, 29, 37, 38
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 63
Cust. #: 30-FT-A
Material: Floor Tile, 12" Beige w/ Black Mottle
Location: Unit 33, 35
Appearance: grey, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 64
Cust. #: 30-FT-B
Material: Floor Tile, 12" Beige w/ Black Mottle
Location: Unit 33, 35
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 65
Cust. #: 31-MLF-A
Material: Multilayer Flooring
Location: Unit 36
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 65a
Cust. #: 31-MLF-A
Material: Multilayer Flooring
Location: Unit 36
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 66
Cust. #: 31-MLF-B
Material: Multilayer Flooring
Location: Unit 36
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 66a
Cust. #: 31-MLF-B
Material: Multilayer Flooring
Location: Unit 36
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #:
Cust. #:
Material:
Location:
Appearance:
Layer: of

Asbestos Present:

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

75873

Apex #

Apex Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449-9990, Fax: (734) 449-9991.

Web Site: <http://apexresearch-inc.com>

3 Client Name:

ATC Group Services

Date of Survey: 3-23-2018

Address:

46555 Humboldt
Drive, Suite 100

Project: 810 S. Ballenger Highway-Group 2

City, St., Zip:

Novi, MI 48377

Project #: 188BS18146

Phone:

(248) 669-5140

Fax:

(248)-669-5147

Contact Person: Rob Smith

Relinquished By: Joseph Seibert

Date: 3/26/18

Received By: *[Signature]*

Date:

MAR 27 2018

| | | | | | | |
|---|----------|---|-------------------|-----------|--------------|-----------------------------------|
| Turn Around Time: (Circle One) | Rush | 24 Hour X | 48 Hour | 72 Hour | Other: _____ | TTP (Test Till Positive) _____ |
| | Asbestos | Bulk: <input checked="" type="checkbox"/> | Point Count _____ | PCM _____ | | |

Special Instructions RESEARCH

- 1st Positive Stop;
- Composite all drywall/joint compound samples if any layer of system is greater than 5% asbestos;
- Point Count ALL PLASTER samples Trace to 3% asbestos content
- Point Count ALL SAMPLES Trace to 1%

| Lab ID # | Client ID # | Material | Location | Quantity | Area | Results |
|----------|-----------------|-------------------------|--|----------|------|---------|
| 1, 2 | 1-BM-A,B | Brick mortar | Exterior brick | | | |
| 3, 4 | 2-CC-A,B | Concrete chip | Poured walls | | | |
| 5, 6 | 3-CC-A,B | Concrete chip | Front porch and rear porch | 260 SF | | |
| 7, 8 | 4-CC-A,B | Concrete chip | Basement floors | 5,000 SF | | |
| 9, 10 | 5-IC-A,B | Interior Caulk | On cabinets | | | |
| 11, 12 | 6-CC-A,B | Concrete chip | Window sills | | | |
| 13, 14 | 7-TU-A,B | Tub undercoating, black | Bathtubs | 80 SF | | |
| 15, 16 | 8-VB-A,B | Vapor board | Under exterior brick | | | |
| 17, 18 | 9-VP-A,B | Vapor paper | Under wood floors | 8,000 SF | | |
| 19, 20 | 10-WG-A,B | Window glaze | 2 pane basement windows (30) | 250 LF | | |
| 21-25 | 11-SC-A,B,C,D,E | Stack Cement | Chimney stacks | 60 SF | | |
| 26, 27 | 12-EC-A,B | Exterior caulk | On brick, roofline, doors, windows, basement windows mailboxes | | | |
| 28, 29 | 13-EC-A,B | Exterior caulk | On aluminum overhangs at doors | 40 LF | | |
| 30, 31 | 14-BM-A,B | Brick mortar | Patching around air conditioning units | 30 SF | | |

75873

Apex Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449-9990, Fax: (734) 449-9991.

Web Site: <http://apexresearch-inc.com>

| | | | | | |
|-------|--------------|--|------------------------------|--------|--|
| 32,33 | 15-GM-A,B | Ceramic tile grout and mortar, 4" light blue/gray | Throughout building | | |
| 34,35 | 16-GM-A,B | Ceramic tile grout and mortar, 1"x2" light blue/gray | Throughout building | | |
| 36,37 | 17-CA-A,B | Construction adhesive, panel board tan | Throughout building | | |
| 38,39 | 18-CA-A,B | Construction adhesive, panel board white | Throughout building | | |
| 40,41 | 19-WBS-A,B,C | Wall-board system, tape and mud | Throughout building | | |
| 42,43 | 20-IC-A,B | Interior caulk | In bathrooms on 4" tile | | |
| 44,45 | 21-BM-A,B | Black mastic | On basement joists | | |
| 46,47 | 22-FT-A,B | Floor tile, 9"x9" beige with tan speckle | FS 377 unit 38 | 20 SF | |
| 48,49 | 23-FS-A,B | Floor sheeting, 5" square linoleum | Bar top FS377 unit 38 | 14 SF | |
| 50,51 | 24-FT-A,B | Floor tile, 9" tan and beige | Basement unit 29 | 30 SF | |
| 52,53 | 25-CT-A,B | Ceiling tile, 12' Smooth | Basement unit 29 and unit 36 | 80 SF | |
| 54,55 | 26-FS-A,B | Floor sheeting, 8" square brown stone | Unit 32 | 60 SF | |
| 56,57 | 27-CA-A,B | Construction adhesive black in kitchen | Unit 30 | 100 LF | |
| 58,59 | 28-MLF-A,B | Multi-layer flooring | Kitchen unit 30 | 80 SF | |
| 60,61 | 29-FT-A,B | Floor tile, 12" beige with brown mottle | Unit 34,31,29,37,38 | | |
| 62,63 | 30-FT-A,B | Floor tile, 12" beige with black mottle | Unit 33,35 | | |
| 64,65 | 31-MLF-A,B | Multi-layer flooring | Unit 36 | 80 SF | |

Relinquished By: Joseph Seibert

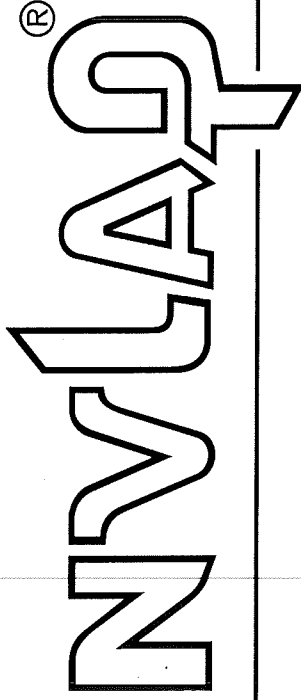
Date: 3/26/18

Received By:

Date: MAR 27 2018

***Terms and conditions on reverse side.

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102118-0

Apex Research, Inc.
Whitmore Lake, MI

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2017-10-01 through 2018-09-30

Effective Dates

A handwritten signature in black ink, appearing to read "Peter S. Lamm".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

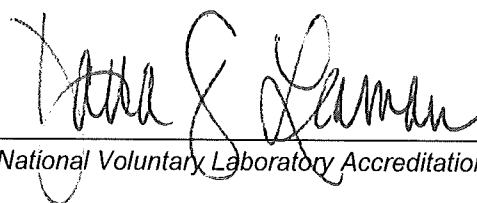
Apex Research, Inc.
11054 Hi Tech Dr.
Whitmore Lake, MI 48189
Mr. Robert Letarte
Phone: 734-449-9990 Fax: 734-449-9991
Email: bletarte@apexmi.com
<http://www.apexmi.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 102118-0

Bulk Asbestos Analysis

| <u>Code</u> | <u>Description</u> |
|-------------|--|
| 18/A01 | EPA -- Appendix E to Subpart E of Part 763 -- Interim Method of the Determination of Asbestos in Bulk Insulation Samples |
| 18/A03 | EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials |



For the National Voluntary Laboratory Accreditation Program

810 S. Ballenger Hwy

APPENDIX B

QUALIFICATIONS

March 29, 2018

Asbestos Program

MIOSHA

(/AsbestosProgram/)

Individual Profile for TINCU, BRANDEN C.

Name and Address

Name

TINCU, BRANDEN C.

Address

2025 BREWER ROAD

HOWELL, MI 48855

License Information

Accreditation Type: Contractor/Supervisor

ID#: A39513

Status: Apprvd - Full

Expiration Date: 4/3/2018

Training Expiration Date: 1/13/2018

Accreditation Type: Inspector

ID#: A39513

Status: Apprvd - Full

Expiration Date: 4/3/2018

Training Expiration Date: 10/14/2017

* Although this license may have been renewed, the new expiration date will not appear until the current one expires. Should you have questions, please call the Asbestos Program at 517-284-7680.

 [New Search \(/AsbestosProgram/Individual/IndividualSearch\)](/AsbestosProgram/Individual/IndividualSearch)

[Back to Top](#)

[MI.gov \(http://www.michigan.gov\)](http://www.michigan.gov)

[Asbestos Program - Verify and Search \(/AsbestosProgram/\)](#)

[Asbestos Program \(http://www.michigan.gov/lara/0,4601,7-154-11407_1533_15369---,00.html\)](http://www.michigan.gov/lara/0,4601,7-154-11407_1533_15369---,00.html)

[Contact US \(http://www.michigan.gov/lara/0,4601,7-154-11407_15333_15369-41708--,00.html\)](http://www.michigan.gov/lara/0,4601,7-154-11407_15333_15369-41708--,00.html)

[Policies \(http://www.michigan.gov/policies\)](http://www.michigan.gov/policies)