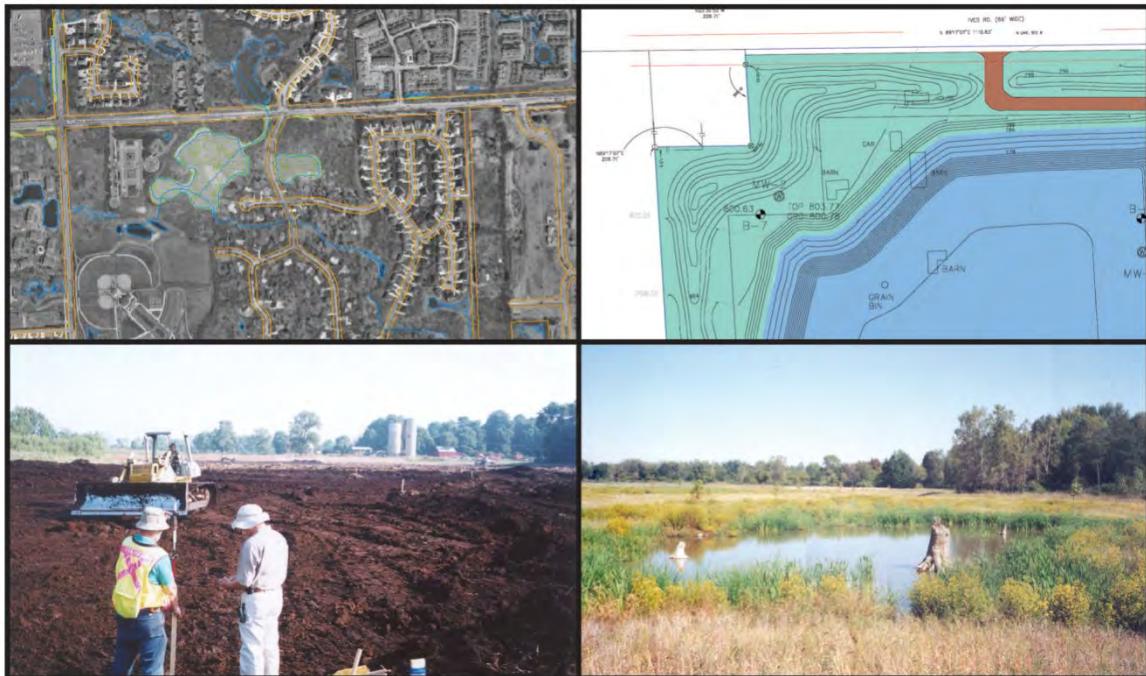


Asbestos-Containing Materials Inspection
CCSEM St. Matthew
6021 Whittier Avenue
Detroit, Michigan 48224

CCSEM St. Matthew LDHA, LP

November 11, 2022

ASTI ENVIRONMENTAL



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Report Prepared For:

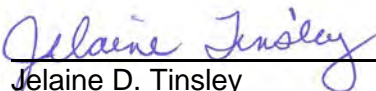
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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Executive Summary	ii
1.0 Introduction	1
2.0 Limitation and Exceptions.....	2
3.0 Subject Property Description	3
4.0 Asbestos-Containing Materials Inspection.....	4
4.1 Previous Asbestos-Containing Materials Inspections	4
4.2 Asbestos Inspection Methodology.....	4
4.3 Sample Collection	5
4.4 Laboratory Analytical Results.....	6
4.5 Presumed Asbestos-Containing Materials.....	10
5.0 Conclusions and Recommendations.....	10

Figures

Site Location Map

Tables

1	5959 Whittier Asbestos Sample Results
2	5970 Audubon Asbestos Sample Results

Appendices

A	Resume and Accreditations
B	Results of Asbestos Sample Analysis and Chain of Custody
C	Photo log

Executive Summary

ASTI Environmental (ASTI) was retained by CCSEM St. Matthew LDHA, LP to conduct an asbestos-containing materials (ACMs) inspection of the buildings located at 5959 Whittier Avenue and 5970 Audubon in Detroit, Wayne County, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M. Based on the inspection conducted by ASTI on September 20 through September 24, 2022, the following ACMs were identified on the Subject Property:

Material/Description	Location	Estimated Quantities
Activities Building (5959 Whittier)		
9"x9" Floor tile - Tan with brown and white streaks	1 st and 2 nd floor hallways	2,000 ft ²
9"x9" Floor tile - Tan with brown and white swirls	Throughout the building rooms	7,300 ft ²
Window glaze - Gray	Throughout the building	6' x 10' (16) 7' x 6' (9) 3' x 2' (8)
9"x9" Floor tile – Tan beneath carpet	1 st floor Office	360 ft ²
Sink undercoating - Black	1 st floor Kitchen	7 ft ²
Interior window caulk - Gray	1 st and 2 nd floor hallway windows (between hallway and classrooms)	2' x 6' (18)
9" x 9" Floor tile - Red	Room 205	3 ft ²
School Building (5970 Audubon)		
Pipe joint insulation - White	Throughout	175 joints visible
Straight Pipe insulation – White & brown	Throughout	1,500 lf visible
Flashing - Black	Roofing	22,000 ft ²
9"x9" Floor tile – Green & brown in checkerboard pattern	Cafeteria, science room (2 nd fl), 2 nd fl Hallway	4,000 ft ²
9"x9" Floor tile – Dark brown	Kitchen closet	60 ft ²
5.5" Cove base - Brown	Kitchen closet	34 lf
9"x9" Floor tile – Red & brown in checkerboard pattern	Kitchen	250 ft ²
16" x18" Boarder Floor tile - Brown	Cafeteria, Library-203	800 ft ²
Sink undercoating - Black	Kitchen	7 ft ²
9"x9" Floor tile – Black & burgundy in checkerboard pattern	1 st and 2 nd floor hallway	1,600 ft ²
12" x 4" boarder floor tile - Black	Boarder on 1 st and 2 nd floor hallway	860 ft ²
9"x9" Floor tile – Green & cream in checkerboard pattern	Classroom 101, 102 & Multipurpose room	4,000 ft ²
5.5" Cove base - Black	Classroom 102 & library - 203	200 lf
9"x9" Floor tile – Tan with white streaks	Classroom 112	250 ft ²
9"x9" Floor tile – Tan with white & tan specks	Classroom 104 & 111	1,500 ft ²

Material/Description	Location	Estimated Quantities
9"x9" Floor tile – Black & Brown (beneath carpet)	Classroom 105	750 ft ²
Pipe insulation Brown with flakes	Classroom 110 & 111	10 lf. visible
4 different types of 9"x9" Floor tile – Gray, green, Red/rust, & black	Classroom 110 closet, and Classroom 109 closet	300 ft ²
9"x9" Floor tile – Tan with white and blue streaks	Classroom 109	750 ft ²
Door caulk - Tan	Interior Gym doors	2 doors / 4 ft ²
Window glaze – Gray	West stairway door	2 ft ²
9"x9" Floor tile – Brown with white and dark streaks	1 st and 2 nd floor North end hallways	1,700 ft ²
9"x9" Floor tile – Green with black and white streaks	Classrooms 106, 107, & 108	2,400 ft ²
Window glaze - White	Throughout north wing	3'x6' (50) 750 ft ²
Sink undercoat - Black	Science room - 203	3 ft ²
Furnace spacer - Gray	Throughout	~75 spacers
Flooring beneath carpet - Dark	Nurse's office	270 ft ²
Window caulk - Black	Exterior throughout	5,300 lf 2,650 ft ²
Door Caulk - Gray	Exterior throughout	12 doors 24 ft ²
Ceiling Texture - White	Gym Ceiling	5,600 ft ²
9"x9" Floor tile – Tan with white specks	Classroom 205	750 ft ²
Window glaze - White	Throughout	3,200 ft ²
9"x9" Floor tile – Green with white and black streaks	Classrooms 206, 207, & 208 and beneath carpet	3,000 ft ²
Stone mortar	Locker room addition, Middle addition & north entrance	2,200 lf 1,100 ft ²
Window glaze - Black	Locker room addition (Exterior)	500 ft ²

Presumed Asbestos Containing Materials Inspection

During completion of the inspection, two materials were identified as potential ACMs; however, due to the destructive nature of sampling required, these materials were not sampled at this time and should be considered a presumed asbestos-containing materials (PACMs) until it can be sampled. The following PACM were identified during the site inspection:

Material/Description	Location	Estimated Quantities
Activities Building (5959 Whittier)		
Safe	1 st Floor Main Office	1
Roofing material	Roof	7,000 ft ²
School Building (5970 Audubon)		
Roofing material	Roof	22,000 ft ²

1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by CCSEM St. Matthew LDHA, LP to conduct an asbestos-containing material (ACM) inspection at 5959 Whittier Avenue and 5970 Audubon, Detroit, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of CCSEM St. Matthew LDHA, LP ; ASTI acknowledges that said party may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied, are made.

2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACMs until they can be sampled and analyzed for asbestos content.

Hollow cinder block was used in the construction of portions of the buildings. ASTI inspected several holes in concrete block walls to visually evaluate for insulation. No insulation was encountered. However, the possibility exists for suspect ACM insulation to be present inside the cinder block. If during demolition/renovation material is found within the cinder block it should be assumed to be ACM until it can be sampled and analyzed for asbestos content.

3.0 SUBJECT PROPERTY DESCRIPTION

The Subject Property contains two structures, both of which have stood vacant since 2008. The School Building (5970 Audubon), was originally constructed in 1930 as a Catholic primary school. The structure was renovated and expanded several times between 1930 and 1959 to accommodate growth and secondary school. The structure contains multiple classrooms and offices, a gymnasium, cafeteria, library, and associated infrastructure. Construction materials include concrete, brick, and steel framing. Interior finishes include acoustical tile ceilings, painted plaster and concrete walls, glazed brick, resilient tile flooring, terrazzo, and carpet. The structure is two-stories and is built on slab with a small basement, flat roof, and brick / limestone façade.

The Activities Building (5959 Whittier) was constructed in 1960 with similar materials as the School on Audubon. Construction materials include concrete, brick, and steel framing. Interior finishes include acoustical tile ceilings, painted plaster and concrete walls, glazed brick, resilient tile flooring and carpet. The structure is two-stories built on a slab with a flat roof, and brick / limestone façade.

4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

Ms. Jelaine Tinsley (Asbestos Inspector No. A16395) Mr. John Schuitema (Asbestos Inspector No. A51781) and Lathan Saperstein (Asbestos Inspector No. A58122) of ASTI's Site Redevelopment Services Group conducted the ACMs inspection of the Subject Property located at 5959 Whittier Avenue and 5970 Audubon, Detroit, Michigan on September 20-24, 2022. Copies of the asbestos inspector's resumes and accreditations are provided in Appendix A.

4.1 Previous Asbestos-Containing Materials Inspections

Hall-Kimbrell Environmental Services Inc., (Hall-Kimbrell) in 1989, conducted an asbestos inspection of St. Matthew School buildings. Hall-Kimbrell identified the following ACMs:

5959 Whittier Building

- Vinyl Floor Tile - All floors

5970 Audubon Building

- Low pressure steam mud joint – Basement
- Low pressure steam corrugated pipe covering – Basement
- Domestic Cold water mud joint – Basement
- Domestic Cold water wrapped pipe – Basement
- Domestic Hot water mud joint – Basement
- Domestic Hot water pipe covering – Basement
- Surfacing Material acoustical plaster – First floor
- Vinyl floor tile – All floors
- Low pressure steam corrugated pipe covering – All floors
- Boiler/Tank insulation – Boiler room
- Breeching/Exhaust packing – Boiler room
- Mud-joints on non-suspect pipe insulation – Boiler room
- Wrapped paper pipe cover – Boiler room

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The inspection included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation,

and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

Asbestos-Containing Material (ACM): any material or product which contains more than one percent asbestos.

Surfacing Materials (SM): material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.

Thermal System Insulation (TSI): material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.

Miscellaneous Materials (MM): interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.

Friable: material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.

Non-friable: material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.

Homogeneous areas (HAs): an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.

4.3 Sample Collection

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are summarized below.

- Boiler Insulation
- Pipe Insulation, including joints
- Duct wrap

- Caulks and Window glazing
- Brick, Block, Stone, Ceramic Tile, Mortar and Grout
- Flashings
- Roll Roofing
- Resilient Floor Tile and associated glue/mastic
- “Linoleum”, Vinyl Flooring, Cove Base, and associated glue/mastic
- Misc. Flooring materials, including mastics, glues, and underlayment
- Sink undercoating
- Acoustical Ceiling Tile, including glues and mastics
- Plaster and other Wall Coverings
- Corkboard
- Roofing
- Curtain divider
- Furnace spacer
- Radiator material
- Textured paint
- Expansion caulk

ASTI collected 268 bulk samples from the suspect ACMs. A total of 355 sample layers were analyzed. Ten sample layers were point counted analyzed. The bulk samples were transmitted under chain-of-custody protocol to Apex Research Laboratory in Whitmore Lake, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency’s (US EPA’s) “Interim Method for the Determination of Asbestos in Bulk Building Materials” (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.

4.4 Laboratory Analytical Results

Building materials identified to contain greater than 1% asbestos are defined as ACMs. Review of the asbestos test results revealed that the following ACMs were identified on the Subject Property:

HA	Material/Description	Location	Asbestos Result
Activities Building (5959 Whittier)			
6	9"x9" Floor tile - Tan with brown and white streaks	1 st and 2 nd floor hallways	1.75% Chrysotile (PC)
8	9"x9" Floor tile - Tan with brown and white swirls	Throughout the building rooms	1.5% Chrysotile (PC)
11	Window glaze - Gray	Throughout the building	2.5% Chrysotile (PC)

HA	Material/Description	Location	Asbestos Result
15	9"x9" Floor tile – Tan beneath carpet	1 st floor Office	1.75% Chrysotile (PC)
16	Sink undercoating - Black	1 st floor Kitchen	2.0% Chrysotile (PC)
19	Interior window caulk - Gray	1 st and 2 nd floor hallway windows (between hallway and classrooms)	5% Chrysotile
20	9" x 9" Floor tile - Red	Room 205	10% Chrysotile
School Building (5970 Audubon)			
2	Pipe joint insulation - White	Throughout	70% Chrysotile
3	Straight Pipe insulation – White & brown	Throughout	60% Chrysotile
8	Flashing - Black	Roofing	10% Chrysotile
13	9"x9" Floor tile – Green &	Cafeteria, science room (2 nd fl), 2 nd fl Hallway	10% Chrysotile
	9"x9" Floor tile – Brown in checkerboard pattern		10% Chrysotile
14	9"x9" Floor tile – Dark brown	Kitchen closet	10% Chrysotile
15	5.5" Cove base - Brown	Kitchen closet	5% Chrysotile
16	9"x9" Floor tile – Red & brown in checkerboard pattern	Kitchen	10% Chrysotile
18	16" x18" Boarder Floor tile - Brown	Cafeteria, Library-203	10% Chrysotile
19	Sink undercoating - Black	Kitchen	10% Chrysotile
23	9"x9" Floor tile – Black &	1 st and 2 nd floor hallway	10% Chrysotile
	9"x9" Floor tile – Burgundy in checkerboard pattern		10% Chrysotile
24	12" x 4" boarder floor tile - Black	Boarder on 1 st and 2 nd floor hallway	10% Chrysotile
25	9"x9" Floor tile – Green &	Classroom 101, 102 & Multipurpose room	10% Chrysotile
	9"x9" Floor tile – Cream in checkerboard pattern		10% Chrysotile
27	5.5" Cove base - Black	Classroom 102 & library - 203	5% Chrysotile
35	9"x9" Floor tile – Tan with white streaks	Classroom 112	10% Chrysotile
37	9"x9" Floor tile – Tan with white & tan specks	Classroom 104 & 111	10% Chrysotile
40	9"x9" Floor tile – Black & Brown (beneath carpet)	Classroom 105	10% Chrysotile
41	Pipe insulation Brown with flakes	Classroom 110 & 111	10% Chrysotile
44	4 different types of 9"x9" Floor tile – Gray, green, Red/rust, & black	Classroom 110 closet, and Classroom 109 closet	10% Chrysotile
45	9"x9" Floor tile – Tan with white and blue streaks	Classroom 109	10% Chrysotile
50	Door caulk - Tan	Interior Gym doors	5% Chrysotile
52	Window glaze – Gray	West stairway door	10% Chrysotile

HA	Material/Description	Location	Asbestos Result
53	9"x9" Floor tile – Brown with white and dark streaks	1 st and 2 nd floor North end hallways	10% Chrysotile
55	9"x9" Floor tile – Green with black and white streaks	Classrooms 106, 107, & 108	10% Chrysotile
56	Window glaze - White	Throughout north wing	5% Chrysotile
60	Sink undercoat - Black	Science room - 203	10% Chrysotile
64	Furnace spacer - Gray	Throughout	50% Chrysotile
70	Flooring beneath carpet - Dark	Nurse's office	10% Chrysotile
72	Window caulk - Black	Exterior throughout	10% Chrysotile
75	Door Caulk - Gray	Exterior throughout	5% Chrysotile
77	Ceiling Texture - White	Gym Ceiling	1.75 % Chrysotile (PC)
79	9"x9" Floor tile – Tan with white specks	Classroom 205	10% Chrysotile
82	Window glaze - White	Throughout	1.75 % Chrysotile (PC)
84	9"x9" Floor tile – Green with white and black streaks	Classrooms 206, 207, & 208 and beneath carpet	10% Chrysotile
85	Stone mortar	Locker room addition, Middle addition & north entrance	5% Chrysotile
94	Window glaze - Black	Locker room addition (Exterior)	5% Chrysotile

PC – Point Counted

A comprehensive list of sampled materials with analytical results is provided as Table 1. A copy of the laboratory data sheets, along with the chain-of-custodies, is included in Appendix B.

Asbestos-Containing Material Quantities

Material/Description	Location	Estimated Quantities
Activities Building (5959 Whittier)		
9"x9" Floor tile - Tan with brown and white streaks	1 st and 2 nd floor hallways	2,000 ft ²
9"x9" Floor tile - Tan with brown and white swirls	Throughout the building rooms	7,300 ft ²
Window glaze - Gray	Throughout the building	6' x 10' (16) 7' x 6' (9) 3' x 2' (8)
9"x9" Floor tile – Tan beneath carpet	1 st floor Office	360 ft ²
Sink undercoating - Black	1 st floor Kitchen	7 ft ²
Interior window caulk - Gray	1 st and 2 nd floor hallway windows (between hallway and classrooms)	2' x 6' (18)
9" x 9" Floor tile - Red	Room 205	3 ft ²

Material/Description	Location	Estimated Quantities
School Building (5970 Audubon)		
Pipe joint insulation - White	Throughout	175 joints visible
Straight Pipe insulation – White & brown	Throughout	1,500 lf visible
Flashing - Black	Roofing	22,000 ft ²
9"x9" Floor tile – Green & brown in checkerboard pattern	Cafeteria, science room (2 nd fl), 2 nd fl Hallway	4,000 ft ²
9"x9" Floor tile – Dark brown	Kitchen closet	60 ft ²
5.5" Cove base - Brown	Kitchen closet	34 lf
9"x9" Floor tile – Red & brown in checkerboard pattern	Kitchen	250 ft ²
16" x18" Boarder Floor tile - Brown	Cafeteria, Library-203	800 ft ²
Sink undercoating - Black	Kitchen	7 ft ²
9"x9" Floor tile – Black & burgundy in checkerboard pattern	1 st and 2 nd floor hallway	1,600 ft ²
12" x 4" boarder floor tile - Black	Boarder on 1 st and 2 nd floor hallway	860 ft ²
9"x9" Floor tile – Green & cream in checkerboard pattern	Classroom 101, 102 & Multipurpose room	4,000 ft ²
5.5" Cove base - Black	Classroom 102 & library - 203	200 lf
9"x9" Floor tile – Tan with white streaks	Classroom 112	250 ft ²
9"x9" Floor tile – Tan with white & tan specks	Classroom 104 & 111	1,500 ft ²
9"x9" Floor tile – Black & Brown (beneath carpet)	Classroom 105	750 ft ²
Pipe insulation Brown with flakes	Classroom 110 & 111	10 lf. visible
4 different types of 9"x9" Floor tile – Gray, green, Red/rust, & black	Classroom 110 closet, and Classroom 109 closet	300 ft ²
9"x9" Floor tile – Tan with white and blue streaks	Classroom 109	750 ft ²
Door caulk - Tan	Interior Gym doors	2 doors 4 ft ²
Window glaze – Gray	West stairway door	2 ft ²
9"x9" Floor tile – Brown with white and dark streaks	1 st and 2 nd floor North end hallways	1,700 ft ²
9"x9" Floor tile – Green with black and white streaks	Classrooms 106, 107, & 108	2,400 ft ²
Window glaze - White	Throughout north wing	3'x6' (50) 750 ft ²
Sink undercoat - Black	Science room - 203	3 ft ²
Furnace spacer - Gray	Throughout	~75 spacers
Flooring beneath carpet - Dark	Nurse's office	270 ft ²
Window caulk - Black	Exterior throughout	5,300 lf 2,650 ft ²
Door caulk - Gray	Exterior throughout	12 doors 24 ft ²
Ceiling texture - White	Gym Ceiling	5,600 ft ²

Material/Description	Location	Estimated Quantities
9"x9" Floor tile – Tan with white specks	Classroom 205	750 ft ²
Window glaze - White	Throughout	3,200 ft ²
9"x9" Floor tile – Green with white and black streaks	Classrooms 206, 207, & 208 and beneath carpet	3,000 ft ²
Stone mortar	Locker room addition, Middle addition & north entrance	2,200 lf 1,100 ft ²
Window glaze - Black	Locker room addition (Exterior)	500 ft ²

4.5 Presumed Asbestos-Containing Materials

During completion of the inspection, one material was identified as a potential ACM; however, due to the destructive nature of sampling required, this material was not sampled at this time and should be considered a presumed asbestos-containing material (PACMs) until it can be sampled. The following PACM was identified during the site inspection:

Presumed Asbestos-Containing Materials Summary

Material/Description	Location	Estimated Quantities
Activities Building (5959 Whittier)		
Safe	1 st Floor Main Office	1
Roofing material	Roof	7,000 ft ²
School Building (5970 Audubon)		
Roofing material	Roof	22,000 ft ²

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the inspection completed at the Subject Property, ACMs were identified in the buildings. A summary of the ACMs identified, along with ASTI's recommendations, are as follows.

Material/Description	Location	Estimated Quantities
Activities Building (5959 Whittier)		
9"x9" Floor tile - Tan with brown and white streaks	1 st and 2 nd floor hallways	2,000 ft ²
9"x9" Floor tile - Tan with brown and white swirls	Throughout the building rooms	7,300 ft ²
Window glaze - Gray	Throughout the building	6' x 10' (16) 7' x 6' (9) 3' x 2' (8)
9"x9" Floor tile – Tan beneath carpet	1 st floor Office	360 ft ²

Material/Description	Location	Estimated Quantities
Sink undercoating - Black	1 st floor Kitchen	7 ft ²
Interior window caulk - Gray	1 st and 2 nd floor hallway windows (between hallway and classrooms)	2' x 6' (18)
9" x 9" Floor tile - Red	Room 205	3 ft ²
School Building (5970 Audubon)		
Pipe joint insulation - White	Throughout	175 joints visible
Straight Pipe insulation – White & brown	Throughout	1,500 lf visible
Flashing - Black	Roofing	22,000 ft ²
9"x9" Floor tile – Green & brown in checkerboard pattern	Cafeteria, science room (2 nd fl), 2 nd fl Hallway	4,000 ft ²
9"x9" Floor tile – Dark brown	Kitchen closet	60 ft ²
5.5" Cove base - Brown	Kitchen closet	34 lf
9"x9" Floor tile – Red & brown in checkerboard pattern	Kitchen	250 ft ²
16" x18" Boarder Floor tile - Brown	Cafeteria, Library-203	800 ft ²
Sink undercoating - Black	Kitchen	7 ft ²
9"x9" Floor tile – Black & burgundy in checkerboard pattern	1 st and 2 nd floor hallway	1,600 ft ²
12" x 4" boarder floor tile - Black	Boarder on 1 st and 2 nd floor hallway	860 ft ²
9"x9" Floor tile – Green & cream in checkerboard pattern	Classroom 101, 102 & Multipurpose room	4,000 ft ²
5.5" Cove base - Black	Classroom 102 & library - 203	200 lf
9"x9" Floor tile – Tan with white streaks	Classroom 112	250 ft ²
9"x9" Floor tile – Tan with white & tan specks	Classroom 104 & 111	1,500 ft ²
9"x9" Floor tile – Black & Brown (beneath carpet)	Classroom 105	750 ft ²
Pipe insulation Brown with flakes	Classroom 110 & 111	10 lf. visible
4 different types of 9"x9" Floor tile – Gray, green, Red/rust, & black	Classroom 110 closet, and Classroom 109 closet	300 ft ²
9"x9" Floor tile – Tan with white and blue streaks	Classroom 109	750 ft ²
Door caulk - Tan	Interior Gym doors	2 doors 4 ft ²
Window glaze – Gray	West stairway door	2 ft ²
9"x9" Floor tile – Brown with white and dark streaks	1 st and 2 nd floor North end hallways	1,700 ft ²
9"x9" Floor tile – Green with black and white streaks	Classrooms 106, 107, & 108	2,400 ft ²
Window glaze - White	Throughout north wing	3'x6' (50) 750 ft ²
Sink undercoat - Black	Science room - 203	3 ft ²
Furnace spacer - Gray	Throughout	~75 spacers
Flooring beneath carpet - Dark	Nurse's office	270 ft ²

Material/Description	Location	Estimated Quantities
Window caulk - Black	Exterior throughout	5,300 lf 2,650 ft ²
Door Caulk - Gray	Exterior throughout	12 doors 24 ft ²
Ceiling Texture - White	Gym Ceiling	5,600 ft ²
9"x9" Floor tile – Tan with white specks	Classroom 205	750 ft ²
Window glaze - White	Throughout	3,200 ft ²
9"x9" Floor tile – Green with white and black streaks	Classrooms 206, 207, & 208 and beneath carpet	3,000 ft ²
Stone mortar	Locker room addition, Middle addition & north entrance	2,200 lf 1,100 ft ²
Window glaze - Black	Locker room addition (Exterior)	500 ft ²

According to classification guidelines set forth in NESHAP, the furnace spacer, pipe insulation, and pipe joint insulation in the School Building (5970 Audubon) are classified as friable ACMs. These materials present the greatest risk of fiber release. These materials in their current condition represent a minimal risk of fiber release. Additional ACM insulation should be anticipated in wall spaces, and above ceiling where visual inspection was restricted. If any future work, such as renovation or demolition, would disturb the material, this material is considered regulated ACM and must be removed by a licensed abatement contractor.

The pipe mud-joint insulation in the Activities Building (5959 Whittier) contained asbestos; however, it is less than 1% and is not considered an ACM per NESHAP. However, based on the presence of asbestos, 29 CFR 1926.1101 the OSHA Construction Asbestos Standard, applies to renovation activities.

According to classification guidelines set forth in NESHAP, the roof flashing in the School Building (6021 Whittier AKA 5970 Audubon), and flooring in both buildings are classified as Category I non-friable ACMs. The flooring materials were identified throughout the buildings. These materials in their current condition, represent minimal risk of fiber release. If any future work, such as renovation or demolition, would disturb the materials, ASTI recommends the ACMs be removed by a licensed abatement contractor.

According to classification guidelines set forth in NESHAP, the caulking, sink undercoat, glazing in both buildings and the textured paint, and cove-base in School Building (5970

Audubon), are classified as Category II non friable ACMs. These materials in their current condition, represent minimal risk of fiber release. If any future work, such as renovation or demolition, would disturb the materials, ASTI recommends the ACMs be removed by a licensed abatement contractor.

Presumed Asbestos-Containing Materials

During completion of the inspection, three materials were identified as a potential ACMs; however, due to the destructive nature of sampling required, these materials were not sampled at this time and should be considered presumed asbestos-containing materials (PACMs) until it can be sampled. The following PACMs were identified during the site inspection:

Presumed Asbestos-Containing Materials Summary

Material/Description	Location	Estimated Quantities
Activities Building (5959 Whittier)		
Safe	1 st Floor Main Office	1
Roofing material	Roof	7,000 ft ²
School Building (5970 Audubon)		
Roofing material	Roof	22,000 ft ²

According to classification guidelines set forth in NESHAP, the safe is assumed to contain asbestos and are classified as Category II non-friable ACMs. Until testing of this material is completed, it should be treated as Category II non-friable ACM.

According to classification guidelines set forth in NESHAP, the roofing is classified as a Category I non-friable ACM. The roofing appeared to be in good condition and in its current condition represents minimal risk of fiber release. However, as demolition or renovation would disturb this material; ASTI recommends testing of the roofing materials prior to disturbance or assume the roofing is an ACM and be removed by a licensed abatement contractor.

Figures

Site Location Map



CCSEM St. Matthew

6021 W Hittier Av,
Detroit, MI

2,000 1,000 0

2,000
Feet



Tables

- 1 Asbestos Sample Results (5959 Whittier)
- 2 Asbestos Sample Results (5970 Audubon)

Table 1
Asbestos Sample Results
5959 Whittier
Detroit, Michigan
ASTI Project No: 4-11685

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
1A	Pipe Joint Insulation / White/Hot Water Lines	Boiler Room	NAD
1B	Pipe Joint Insulation / White/Hot Water Lines	Boiler Room	NAD
1C	Pipe Joint Insulation / White/Hot Water Lines	Boiler Room	NAD
2A	Pipe Wrap Insulation / White Over Yellow	Boiler Room - Hot Water Lines	NAD
2B	Pipe Wrap Insulation / White Over Yellow	Boiler Room - Hot Water Lines	NAD
2C	Pipe Wrap Insulation / White Over Yellow	Boiler Room - Hot Water Lines	NAD
3A	Pipe Wrap Insulation / White Over Yellow	Boiler Room - Cold Water Lines	NAD
3B	Pipe Wrap Insulation / White Over Yellow	Boiler Room - Cold Water Lines	NAD
3C	Pipe Wrap Insulation / White Over Yellow	Boiler Room - Cold Water Lines	NAD
4A	Pipe Joint Insulation / Cold Water Lines	Boiler Room	1% Chrysotile (PC)
4B	Pipe Joint Insulation / Cold Water Lines	Boiler Room	1% Chrysotile (PC)
4C	Pipe Joint Insulation / Cold Water Lines	Boiler Room	NAD
5A	12"x12" Floor Tile / Tan w/Brown & White	West Side 1st Floor Hallway	NAD
	Mastic		NAD
5B	12"x12" Floor Tile / Tan w/Brown & White	West Side 1st Floor Hallway	NAD
	Mastic		NAD
6A	9"x9" Floor Tile / Tan w/Brown & White Streaks	West Side, 1st Floor	1.75% Chrysotile (PC)
	Mastic		NAD
6B	9"x9" Floor Tile / Tan w/Brown & White Streaks	East Side, 2nd Floor	NA
	Mastic		NAD
7A	Ceramic Wall Tile Grout / Grey	1st Floor South Side / Janitor Closet	NAD
7B	Ceramic Wall Tile Grout / Grey	2nd Floor North Side NE Room 211	NAD
8A	9"x9" Floor Tile / Tan w/White & Brown Swirls	1st Floor By Room 114/115	1.5% Chrysotile (PC)
	Mastic		NAD
8B	9"x9" Floor Tile / Tan w/White & Brown Swirls	2nd Floor Room 212	NA
	Mastic		NAD
9A	Plaster Finish Coat / White	1st Floor West Stairway	NAD
	Plaster Base Coat		NAD
9B	Plaster Finish Coat / White	Girl's Restroom 1st Floor	NAD
	Plaster Base Coat		NAD
9C	Plaster Finish Coat / White	1st Floor East Stairway	NAD
	Plaster Base Coat		NAD
9D	Plaster Finish Coat / White	Boy's Restroom 1st Floor	NAD
	Plaster Base Coat		NAD
9E	Plaster Finish Coat / White	2nd Floor Girl's Restroom	NAD
	Plaster Base Coat		NAD
9F	Plaster Finish Coat / White	2nd Floor Boy's Restroom	NAD
	Plaster Base Coat		NAD
9G	Plaster Finish Coat / White	2nd Floor Janitor's Closet	NAD
	Plaster Base Coat		NAD
10A	12"x12" Ceiling Tile / White	1st Floor West Side Hallway	NAD
10B	12"x12" Ceiling Tile / White	2nd Floor Room 204 (A-I)	NAD
11A	Window Glaze / Grey	1st Floor North Window, Room 112/113	2.5% Chrysotile (PC)

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Table 1
Asbestos Sample Results
5959 Whittier
Detroit, Michigan
ASTI Project No: 4-11685

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
11B	Window Glaze / Grey	2nd Floor South Window Room	NA
12A	Dividing Curtain / Beige	1st Floor Room 114/115	NAD
12B	Dividing Curtain / Beige	1st Floor Room 114/115	NAD
13A	Ceramic Floor Tile Grout / Grey	Boy's Restroom 1st Floor	NAD
13B	Ceramic Floor Tile Grout / Grey	Boy's Restroom 2nd Floor	NAD
14A	Block Mortar / Grey	Office 1st Floor	NAD
14B	Block Mortar / Grey	2nd Floor	NAD
15A	Carpet Glue/Top Mastic & Mesh	Office 1st Floor, South Side	NAD
	Floor Tile		1.75% Chrysotile (PC)
	Mastic		NAD
15B	Carpet Glue/Top Mastic & Mesh	Office 1st Floor, East Wall	NAD
	Floor Tile		NA
	Mastic		NAD
16A	Sink Undercoating / Black	Kitchen, 1st Floor / Sink	2% Chrysotile (PC)
16B	Sink Undercoating / Black	Kitchen, 1st Floor / Sink	NA
17A	4" Chocolate Brown Cove Base	Kitchen North Side	NAD
	Mastic		NAD
17B	4" Chocolate Brown Cove Base	Kitchen South Side	NAD
	Mastic		NAD
18A	12"x12" Floor Tile / White w/Brown Specks	1st Floor Room 111 South Side	NAD
	Mastic		NAD
18B	12"x12" Floor Tile / White w/Brown Specks	1st Floor Room 111 South Side	NAD
	Mastic		NAD
19A	Interior Caulk / Grey	Hallway Windows - North Side 2nd Floor	5% Chrysotile
19B	Interior Caulk / Grey	Hallway Windows - South Side 1st Floor	NA
20A	9"x9" Floor Tile / Red	2nd Floor Room 205	10% Chrysotile
	Mastic		NAD
20B	9"x9" Floor Tile / Red	2nd Floor Room 205	NA
	Mastic		NAD
21A	Board	Room 205	NAD
	Glue 1		NAD
	Paper		NAD
	Glue 2		NAD
21B	Board	Room 205	NAD
	Glue 1		NAD
	Paper		NAD
	Glue 2		NAD
22A	Exterior Expansion Caulk / Grey	North Side	NAD
22B	Exterior Expansion Caulk / Grey	South Side	NAD
23A	Exterior Window Caulk / Grey	North Side	NAD
23B	Exterior Window Caulk / Grey	West Side	NAD
24A	Exterior Brick Mortar / Grey	North Side	NAD
24B	Exterior Brick Mortar / Grey	East Side	NAD
24A	Exterior Brick Mortar / Grey	North Side	NAD
24B	Exterior Brick Mortar / Grey	East Side	NAD
25A	Ceramic Floor Tile Grout / Grey	Stairwell, East	NAD
25B	Ceramic Floor Tile Grout / Grey	Stairwell, West	NAD

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Table 2
Asbestos Sample Results
5970 Audubon
Detroit, Michigan
ASTI Project No: 4-11685

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
1A	Boiler Insulation / White	North	NAD
1B	Boiler Insulation / White	South	NAD
1C	Boiler Insulation / White	East	NAD
2A	Pipe Joint Insulation / White	Basement	70% Chrysotile
2B	Pipe Joint Insulation / White	Basement	NA
2C	Pipe Joint Insulation / White	Basement	NA
3A	Pipe Insulation / White/Brown	Basement	<1% Chrysotile
3B	Pipe Insulation / White/Brown	Cafeteria	60%Chrysotile
4A	Window Glaze / Grey	Basement	NAD
4B	Window Glaze / Grey	Basement	NAD
5A	Window Glaze / Grey	Basement	<1% Chrysotile
5B	Window Glaze / Grey	Cafeteria	NAD
6A	Block Mortar / Grey	Basement	NAD
6B	Block Mortar / Grey	Basement	NAD
7A	Flashing / Black	East Parapet Wall Roof	NAD
7B	Flashing / Black	North Parapet Wall Roof	NAD
8A	Flashing / Black	North Wall Roof	10% Chrysotile
8B	Flashing / Black	East Wall Roof	NA
9A	Flashing / Black	North Top Edge Roof	NAD
9B	Flashing / Black	West Top Edge Roof	NAD
10A	Caulk / Grey	North Roof	NAD
10B	Caulk / Grey	Middle Roof	NAD
11A	Roll Roofing / Black	East Roof	NAD
11B	Roll Roofing / Black	North Roof	NAD
12A	Duct Wrap / Beige	2nd Floor - Roof Access	NAD
12B	Duct Wrap / Beige	1st Floor	NAD
12C	Duct Wrap / Beige	1st Floor	NAD
13A	9"x9" Floor Tile / Checker Board Green	Cafeteria Middle	10% Chrysotile
	Mastic		NAD
	Brown Floor Tile		10% Chrysotile
	Mastic		NAD
13B	9"x9" Floor Tile / Checker Board Green	Cafeteria South	NA
	Mastic		NAD
	Brown Floor Tile		NA
	Mastic		NAD
14A	9"x9" Floor Tile / Dark Brown	North Side	10% Chrysotile
	Mastic		NAD
14B	9"x9" Floor Tile / Dark Brown	South Side	NA
	Mastic		NAD
15A	Cove Base / Brown	West Side Kitchen Closet	5% Chrysotile
	Glue		NAD
15B	Cove Base / Brown	West Side Kitchen Closet	NA
	Glue		NAD
16A	9"x9" Floor Tile / Red/Brown	North Side Kitchen	10% Chrysotile
	Mastic		NAD
16B	9"x9" Floor Tile / Red	South Side Kitchen	NA
	Mastic		NAD
17A	Ceramic Tile Grout / Grey	Kitchen	NAD
17B	Ceramic Tile Grout / Grey	Kitchen	NAD

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**Table 2
Asbestos Sample Results
5970 Audubon
Detroit, Michigan
ASTI Project No: 4-11685**

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
18A	16"x16" Boarder Floor Tile / Brown	North Side Cafeteria	10% Chrysotile
	Mastic		NAD
18B	16"x16" Boarder Floor Tile / Brown	South Side Cafeteria	NA
	Mastic		NAD
19A	Sink Undercoating / Black	Kitchen Sink	10% Chrysotile
19B	Sink Undercoating / Black	Kitchen Sink	NA
20A	12"x12" Ceiling Tile / White	Cafeteria	NAD
	Dark Brown Glue Pod		NAD
20B	12"x12" Ceiling Tile / White	Cafeteria	NAD
	Dark Brown Glue Pod		NAD
21A	Caulk/Grout / White	Men's Faculty Restroom 1st Fl	NAD
21B	Caulk/Grout / White	Men's Faculty Restroom 1st Fl	NAD
22A	Plaster Finish Coat / White	1st Floor Janitor's Closet	NAD
	Plaster Base Coat / Grey		NAD
22B	Plaster Finish Coat / White	1st Floor Janitor's Closet	NAD
	Plaster Base Coat / Grey		NAD
22C	Plaster Finish Coat / White	Office	NAD
	Plaster Base Coat / Grey		NAD
22D	Plaster Finish Coat / White	Room 102	NAD
	Plaster Base Coat / Grey		NAD
22E	Plaster Finish Coat / White	Restroom 2nd Floor	NAD
	Plaster Base Coat / Grey		NAD
22F	Plaster Finish Coat / White	Janitor Access to Roof 2nd Fl	NAD
	Plaster Base Coat / Grey		NAD
22G	Plaster Finish Coat / White	Room 202	NAD
	Plaster Base Coat / Grey		NAD
23A	9"x9" Floor Tile / Black	South Side	10% Chrysotile
	Mastic		NAD
	Brown Floor Tile		10% Chrysotile
	Mastic		NAD
23B	9"x9" Floor Tile / Black	North Side	NA
	Mastic		NAD
	Brown Floor Tile		NA
	Mastic		NAD
24A	12"x4" Hallway Border Floor Tile / Black	South Side	10% Chrysotile
	Mastic		NAD
24B	12"x4" Hallway Border Floor Tile / Black	North Side	NA
	Mastic		NAD
25A	9"x9" Floor Tile / Checker Board Green	Middle of Room 102	10% Chrysotile
	Mastic		NAD
	Cream Floor Tile		10% Chrysotile
	Mastic		NAD
25B	9"x9" Floor Tile / Checker Board Green	East Side of Room 102	NA
	Mastic		NAD
	Cream Floor Tile		NA
	Mastic		NAD
26A	12"x12" Ceiling Tile / White	North Side of Room 102	NAD
	Brown Glue Pod		NAD

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Table 2
Asbestos Sample Results
5970 Audubon
Detroit, Michigan
ASTI Project No: 4-11685

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
26B	12"x12" Ceiling Tile / White	North Side of Room 102	NAD
	Brown Glue Pod		NAD
27A	Cove Base / Black	North Side of Room 102	5% Chrysotile
	Glue		NAD
27B	Cove Base / Brown	North Side of Room 102	NA
	Glue		NAD
28A	Cork Board / Brown	Room 102	NAD
	Chocolate Brown Glue Pod		NAD
28B	Cork Board / Brown	Room 102	NAD
	Chocolate Brown Glue Pod		NAD
29A	12"x12" SCT / White Worm Trails/Dots	1st Floor Classroom 101	NAD
29B	12"x12" SCT / White Worm Trails/Dots	1st Floor Classroom 101	NAD
30A	Joint Compound	Room 101	NAD
30B	Drywall / White	Room 101	NAD
	Joint Compound		NAD
31A	Cove Base / Chocolate Brown	Room 101	NAD
	Glue		NAD
31B	Cove Base / Chocolate Brown	Room 101	NAD
	Glue		NAD
32A	Carpet Glue / Yellow	Room 101	NAD
32B	Carpet Glue / Yellow	Room 101	NAD
33A	Cove Base / Grey	1st Floor Office East Side	NAD
	Glue		NAD
33B	Cove Base / Grey	1st Floor Office West Side	NAD
	Glue		NAD
34A	Window Glaze / White	Classroom 112 West Side	NAD
34B	Window Glaze / White	Classroom 112 West Side	NAD
35A	9"x9" Floor Tile / Tan w/White Streaks	Classroom 112	10% Chrysotile
	Mastic		NAD
35B	9"x9" Floor Tile / Tan w/White Streaks	Classroom 112	NA
	Mastic		NAD
36A	Plaster Skim	Room 112	NAD
	Plaster Finish Coat / White		NAD
	Plaster Base Coat / Grey		NAD
36B	Plaster Skim	Room 112	NAD
	Plaster Finish Coat / White		NAD
	Plaster Base Coat / Grey		NAD
36C	Plaster Finish Coat / White	Room 104	NAD
	Plaster Base Coat / Grey		NAD
36D	Plaster Finish Coat / White	Room 105	NAD
	Plaster Base Coat / Grey		NAD
36E	Plaster Finish Coat / White	Room 105	NAD
	Plaster Base Coat / Grey		NAD
36F	Plaster Finish Coat / White	Room 204	NAD
	Plaster Base Coat / Grey		NAD
36G	Plaster Finish Coat / White	Room 211	NAD
	Plaster Base Coat / Grey		NAD
37A	9"x9" Floor Tile / Tan w/White Specks	Room 104	10% Chrysotile
	Mastic		NAD

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**Table 2
Asbestos Sample Results
5970 Audubon
Detroit, Michigan
ASTI Project No: 4-11685**

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
37B	9"x9" Floor Tile / Tan w/White Specks	Classroom 104	NA
	Mastic		NAD
38A	12"x12" Floor Tile / Orangish/Brown	1st Floor Hallway North Side	NAD
	Mastic		NAD
38B	12"x12" Floor Tile / Orangish/Brown	1st Floor Hallway South Side	NAD
	Mastic		NAD
39A	Wall Tile Grout / Grey	1st Floor Hallway	NAD
39B	Wall Tile Grout / Grey	Gym	NAD
40A	9"x9" Floor Tile / Black	Room 105 North Side	10% Chrysotile
	Mastic		NAD
	Brown Floor Tile		10% Chrysotile
	Mastic		NAD
40B	9"x9" Floor Tile / Tan w/White Specks	Room 105 North Side	NA
	Mastic		NAD
	Brown Floor Tile		NA
	Mastic		NAD
41A	Pipe Insulation / Brown	Room 111	10% Chrysotile
41B	Pipe Insulation / Brown	Room 111	NA
41C	Pipe Insulation / Brown	Room 111	NA
42A	6" Ceramic Cove Base / Black	Room 111	NAD
	Mortar		NAD
42B	6" Ceramic Cove Base / Black	Room 111	NAD
	Mortar		NAD
43A	12"x12" Floor Tile / Tan w/White/Tan/Brown	Room 110 North Side	NAD
	Mastic		NAD
43B	12"x12" Floor Tile / Tan w/White/Tan/Brown	Room 110 South Side	NAD
	Mastic		NAD
44A	9"x9" Floor Tile / Grey	Room 110 Closet	10% Chrysotile
	Mastic		NAD
	Green Floor Tile		10% Chrysotile
	Mastic		NAD
	Red Floor Tile		10% Chrysotile
	Black Floor Tile		10% Chrysotile
44B	9"x9" Floor Tile / Grey	Room 110 Closet	NA
	Mastic		NAD
	Green Floor Tile		NA
	Mastic		NAD
	Red Floor Tile		NA
	Mastic		NAD
	Black Floor Tile		NA
	Mastic		NAD
45A	9"x9" Floor Tile / Tan w/White/Black Streaks	Room 109	10% Chrysotile
	Mastic		NAD
45B	9"x9" Floor Tile / Tan w/White/Black Streaks	Room 109	NA
	Mastic		NAD
46A	Cork Board Glue / White	Room 109	NAD
	Brown Glue Pod		NAD

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Table 2
Asbestos Sample Results
5970 Audubon
Detroit, Michigan
ASTI Project No: 4-11685

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
46B	Cork Board Glue / White	Room 109	NAD
	Brown Glue Pod		NAD
47A	12"x12" Floor Tile / Cream w/White Streaks	Gym Closet	NAD
	Glue		NAD
	Filler		NAD
47B	12"x12" Floor Tile / Cream w/White Streaks	Gym North Side	NAD
	Glue		NAD
	Filler		NAD
48A	Tile Grout / White	Gym Ladies	NAD
48B	Tile Grout / White	Gym Men's	NAD
49A	Wall Tile Grout / Grey	Gym Ladies	NAD
49B	Wall Tile Grout / Grey	Gym Ladies	NAD
50A	Door Caulk / Tan	North Door	5% Chrysotile
50B	Door Caulk / Tan	Middle Door	NA
51A	12"x12" Ceiling Tile / Worm Trail / White	West Stairwell	NAD
51B	12"x12" Ceiling Tile / Worm Trail / White	West Stairwell	NAD
52A	Window Glaze / Grey	West Door	10% Chrysotile
52B	Window Glaze / Grey	West Door	NA
53A	9"x9" Floor Tile / Brown w/White/Dk Streaks	West Side 2nd FI North End	10% Chrysotile
	Mastic		NAD
53B	9"x9" Floor Tile / Brown w/White/Dk Streaks	West Side 2nd FI North End	NA
	Mastic		NAD
54A	Wall Tile Grout (Block) / Grey	West Side of North End Hallway	NAD
54B	Wall Tile Grout (Block) / Grey	West Side of North End Hallway	NAD
55A	9"x9" Floor Tile / Green w/Black/White Streak	Room 106	10% Chrysotile
	Mastic		NAD
55B	9"x9" Floor Tile / Green w/Black/White Streak	Room 106	NA
	Mastic		NAD
56A	Window Glaze / White	Room 106	5% Chrysotile
56B	Window Glaze / White	Room 106	NA
57A	Glue Pod / Brown	Room 107	NAD
57B	Glue Pod / Brown	Room 107	NAD
58A	Plaster Finish Coat / White	Boy's	NAD
	Plaster Base Coat / Grey		NAD
58B	Plaster Finish Coat / White	Boy's	NAD
	Plaster Base Coat / Grey		NAD
58C	Plaster Finish Coat / White	Girl's	NAD
	Plaster Base Coat / Grey		NAD
59A	Grout / White	Boy's	NAD
59B	Grout / White	Boy's	NAD
60A	Sink Undercoating / Black	Science Room 2nd FI Room 203	10% Chrysotile
60B	Sink Undercoating / Black	Science Room 2nd FI Room 203	NA
61A	12"x12" Floor Tile / Black	Room 203	NAD
	Mastic		NAD
61B	12"x12" Floor Tile / Black	Room 203	NAD
	Mastic		NAD
62A	Cork Board Glue Pod / Yellow	Room 203	NAD
62B	Cork Board Glue Pod / Yellow	Room 203	NAD
63A	Curtain Divider / White	Library 2nd Floor	NAD
	Glue		NAD

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Asbestos Sample Results
5970 Audubon
Detroit, Michigan
ASTI Project No: 4-11685**

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
63B	Curtain Divider / White	Library 2nd Floor	NAD
	Glue		NAD
64A	Furnace Spacer / Grey	Library	50% Chrysotile
64B	Furnace Spacer / Grey	Library	NA
64C	Furnace Spacer / Grey	Library	NA
65A	Radiator Material / White	Room 202	NAD
65B	Radiator Material / White	Room 202	NAD
65C	Radiator Material / White	Room 203	NAD
66A	Textured Paint / White	Nurse's Office	NAD
66B	Textured Paint / White	Nurse's Office	NAD
67A	2'x4' Smooth Ceiling Tile / White	Nurse	NAD
67B	2'x4' Smooth Ceiling Tile / White	Middle	NAD
68A	Glue Panel / Cream Panel	North Wall 2nd Floor Nurse	NAD
68B	Glue Panel / Cream Panel	North Wall 2nd Floor Nurse	NAD
69A	Cove Base / Brown	North Wall	NAD
	Glue		NAD
69B	Cove Base / Brown	South Wall	NAD
	Glue		NAD
70A	Floor Tile	West Side Nurse Office	10% Chrysotile
	Glue		NAD
70B	Floor Tile	North Side Nurse Office	NA
	Glue		NAD
71A	Stone Mortar / Grey	East Side	NAD
71B	Stone Mortar / Grey	South Side	NAD
72A	Window Caulk / Black	East Side	10% Chrysotile
72B	Window Caulk / Black	South Side	NA
73A	Stone Mortar Repair / White	Southeast Corner	NAD
73B	Stone Mortar Repair / White	Southeast Corner	NAD
74A	Brick Mortar / Grey	East Side	NAD
74B	Brick Mortar / Grey	North Side	NAD
75A	Door Caulk / Grey	East Side	5% Chrysotile
75B	Door Caulk / Grey	East Side	NA
76A	12"x12' Floor Tile / Lt Grey w/White/Dk Grey	Room 212 Middle	NAD
	Mastic		NAD
76B	12"x12' Floor Tile / Lt Grey w/White/Dk Grey	Room 22 North End	NAD
	Mastic		NAD
77A	Ceiling Texture / White	Gym West	1.75% Chrysotile (PC)
77B	Ceiling Texture / White	Gym West Middle	NA
77C	Ceiling Texture / White	Gym West	NA
77D	Ceiling Texture / White	Gym South	NA
77E	Ceiling Texture / White	Gym South	NA
78A	12"x12' Floor Tile / Tan w/White/Brown Streaks	Room 204 Middle	NAD
	Mastic		NAD
78B	12"x12' Floor Tile / Tan w/White/Brown Streaks	Room 204 Middle	NAD
	Mastic		NAD
79A	9"x9" Floor Tile / Tan w/White Specks	Room 205	10% Chrysotile
	Mastic		NAD
79B	9"x9" Floor Tile / Tan w/White Specks	Room 205	NA
	Mastic		NAD
80A	Brick Mortar Interior / Grey	Hall Next to Room 210	NAD

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Asbestos Sample Results
5970 Audubon
Detroit, Michigan
ASTI Project No: 4-11685

ASTI Sample ID	Material/Description	Sample Location	Asbestos Result
80B	Brick Mortar Interior / Grey	Hall Next to Room 210	NAD
81A	Window/Door Glaze / Grey/White	Room 209	NAD
81B	Window/Door Glaze / Grey/White	Room 210	NAD
82A	Window Glaze / White	North	1.75% Chrysotile (PC)
82B	Window Glaze / White	East Side	NA
83A	Ceramic Tile Grout / Black	2nd Floor Stairway	NAD
83B	Ceramic Tile Grout / Black	2nd Floor Stairway	NAD
84A	"x9" Floor Tile / Green w/White/Black Streak Mastic	Room 206	10% Chrysotile
84B	"x9" Floor Tile / Green w/White/Black Streak Mastic	Room 206	NA
85A	Stone Exterior Mortar / Grey	East Side	5% Chrysotile
85B	Stone Exterior Mortar / Grey	East Side	NA
86A	Brick Mortar Exterior / Grey	Locker Room	NAD
86B	Brick Mortar Exterior / Grey	Locker Room	NAD
87A	Expansion Joint / Pink	East Side	5% Chrysotile
87B	Expansion Joint / Pink	East Side	NA
88A	Stone Mortar / Grey	Gym Exterior East Side	NAD
88B	Stone Mortar / Grey	Gym Exterior North Side	NAD
89A	Window Caulk / Black	East Side / North End	NAD
89B	Window Caulk / Black	East Side / North End	NAD
90A	Brick Mortar / Grey	Exterior North Addition	NAD
90B	Brick Mortar / Grey	Exterior North Addition	NAD
91A	Stone Mortar / Grey	Exterior North Side Addition	NAD
91B	Stone Mortar / Grey	Exterior North Side Addition	NAD
92A	Stone Mortar / Grey	Entrance North Side	NAD
92B	Stone Mortar / Grey	Entrance North Side	1.5% Chrysotile (PC)

F = Friable
NF = Non Friable
NA = Not Analyzed

LF = Linear Feet
SF = Square Feet
NQ = Not Quantified

Shaded = Positive for Asbestos
NAD = No Asbestos Detected
PC = Point Counted

Appendix A

Resumes and Accreditations of ASTI Personnel



JELAINE D. TINSLEY
Environmental Professional

PROFILE

Certifications/Licenses

NIOSH 582-Equivalent Course Sampling and Analysis of Airborne Asbestos Fibers
OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2022)
Asbestos Inspector-Michigan (License No. A16395)
Asbestos Inspector-Illinois (License No. 100-19756)
Asbestos Inspector-Indiana (License No. 19A007625)
Asbestos Hazard Evaluation Specialist-Ohio (License No.ES36108)
Asbestos Inspector / Management Planner-Kentucky (License No. 66369)
Asbestos Project Designer-Michigan (License No. A16395)
Certified Confined Space Entrant and Attendant
American Red Cross First Aide and Adult CPR Certified
ASTM Certification in RBCA Applied at Petroleum Release Sites
Bituminous Testing Technician
Michigan Provisional Teaching Certificate

Education

Western Michigan University, B.S., Earth Science and Education

Experience History

Environmental Professional, ASTI ENVIRONMENTAL
Project Manager, Yeoman Group
Project Manager, A&F Environmental
Environmental Consultant, DLZ Corporation
Environmental Consultant, AKT Peerless
Geologist, ATC Associates
Geologist, NUS Corporation
Teacher, Detroit Public Schools
Staff Scientist, CTI and Associates, Inc.

Professional Memberships and Service

Michigan Association of Environmental Professionals (MAEP)
Commercial Real Estate Women Detroit (CREW)

Professional Background

Ms. Tinsley has more than 32 years experience in the environmental industry in a variety of areas including Phase I environmental site assessments (ESAs), Phase II ESAs, baseline environmental assessments (BEAs), subsurface investigations (soil and groundwater testing), soil and groundwater evaluations, asbestos and mold inspections, abatement oversight, and specification development. Ms. Tinsley has also coordinated numerous hazardous material and pre-demolition surveys which included evaluations of asbestos, mold, radon and universal wastes for municipal, commercial, and industrial facilities.

Years Experience:

7 --- ASTI ENVIRONMENTAL
25 --- other firms

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial) to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances. Responsibilities included the preparation and/or review of ASTM Phase I and Phase II ESAs, Baseline Environmental Assessments (BEAs), and Due Care Plans. Ms. Tinsley has experience working in Michigan, Illinois, Indiana, Ohio, Kentucky, Tennessee, Georgia, Alabama, Mississippi, and Florida. Ms. Tinsley also has performed listing site evaluations for a dedicated contractor to the US EPA. Ms. Tinsley is also knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and meets the requirements of an Environmental Professional per AAI.

Customer Training

Provided training for financial institutions on the types of properties that should have environmental evaluations.

Vapor Intrusion Evaluation, Jackson, Michigan

Conducted vapor intrusion studies at commercial properties to assess potential vapor migration. Scope of work included coordination of vapor intrusion points, vapor sample collection, and coordination of chemical testing.

CONSTRUCTION TESTING

Conducted construction material analysis which included soil proctors, soil sieve analysis, asphalt extractions, and concrete stress testing.

ASBESTOS INSPECTIONS AND ABATEMENT COORDINATION/OVERSIGHT

Responsible for asbestos program management including coordination and technical lead for hazardous material surveys and asbestos and mold related testing activities.

Asbestos Inspections, City of Detroit Neighborhood Redevelopment Project

Inspector of asbestos hazards at over 300 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Detroit with findings and compliance requirements.

Asbestos Inspections, City of Inkster Neighborhood Redevelopment Project

Conducted asbestos inspections at over 100 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

Large Hotel Detroit, Michigan

Inspected the hotel property as part of a team. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings. Performed oversight of ACM abatement.

Medical Complex Kalamazoo, Michigan

Responsible for coordination of field activities for the ACM abatement of the complex. Conducted schedule and strategy meetings.

Hotel, Detroit, Michigan

Inspected the hotel property. Collected samples, reviewed laboratory analysis, and provided client a report of methods and findings.

Former Coal Power Plant

Conducted a thorough asbestos inspection of an inactive multi-building coal power plant in Detroit, Michigan. Collected samples, and performed thorough photo documentation and quantification of all ACMs in the power plant and supporting buildings.

UNDERGROUND STORAGE TANKS AND PETROLEUM REMEDIATION PROJECT

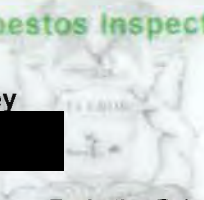
Commercial Development Royal Oak, Michigan


Coordinated the remediation of a former gasoline service station, during site development for a commercial company. Work included Phase I ESA and Phase II site investigation to evaluate USTs and hoists onsite, as well as coordinating a GPR survey for additional USTs on site, a BEA, and a Due Care Plan. Assisted with the development bid specifications for site remediation activities including UST and hoist removal, soil remediation, and asbestos abatement. Coordinated the removal of five (5) USTs, one in-ground hoist, and 300,000 cubic yards of petroleum-impacted soils.

State of Michigan
Department of Labor and Economic Opportunity
Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

 **Jelaine D. Tinsley**



Accreditation Number **Expiration Date**
A16395 09/26/2022



This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered. 154439



JOHN F. SCHUITEMA
Associate II

PROFILE

Certifications

Asbestos Inspector (A51781)
Michigan Lead Inspector/Risk Assessor (P-07409)
ICC Property Maintenance Inspector
ICC Zoning Inspector
40-Hour OSHA HAZWOPER Training
8-Hour OSHA HAZWOPER Refresher

Education

Lead Inspector/Risk Assessor Training
Asbestos Awareness Training
Lead Awareness Training
Asbestos Inspector Training

Experience History

Associate I, ASTI Environmental
Field Technician, ASTI Environmental
Government

Professional Background

Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

5—ASTI ENVIRONMENTAL
3—Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments, Flint Housing Commission

Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan

Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan

Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan

Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and

sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDITION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan

Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan

Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air stripper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.

State of Michigan
Department of Labor and Economic Opportunity
Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector



John F. Schuitema



Accreditation Number
A51781

Expiration Date
02/27/2023

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation Card is not valid if altered.

157348



Lathan Saperstein
Environmental Field Technician

PROFILE

Certifications

Michigan Lead Inspector/Risk Assessor (P-08947)
NRPP Radon Measurement Professional (NRPP# 112408-RMP)
Michigan Asbestos Inspector (A58122)
29 CFR 1910.120 40-Hour OSHA HAZWOPER Training
Indiana Secondary Radon Tester License (RTS 01117)
Indiana Lead Inspector/Risk Assessor (IND001981)
Ohio Radon Tester (RT1776)
Ohio Lead Inspector/Risk Assessor (LA9629)

Education

Wayne State University, B.Sc. Environmental Science
Asbestos Inspector Initial Training
Lead Inspector/Risk Assessor Initial Training
NRPP Multi-Family Measurement Certificate

Experience History

Environmental Field Technician, ASTI Environmental
Research Assistant, Wayne State University, Environmental Radioisotope Laboratory

Professional Background

Lathan Saperstein is a recent addition to ASTI. They have experience in the field performing radon testing, lead based paint inspections, and lead dust sampling. In addition, they have assisted with field sampling of asbestos containing materials and mold testing. At university, they were involved in radio-chronometry research using radon progeny radioisotopes, such as lead-210 / polonium-210 disequilibria, and cosmogenic beryllium-7 fallout.

Years' Experience:

1—ASTI ENVIRONMENTAL
2—Academia

LEAD INSPECTIONS & RISK ASSESSMENTS

Responsible for lead inspections and risk assessments on commercial, multi-family, and single-family properties in Michigan, Ohio, and Indiana.

Multifamily Housing, Detroit, MI

Completed lead risk assessment of rented apartments in compliance with City of Detroit regulations. Utilized dust wipe sampling, soil sampling, XRF technology and visual inspections to identify lead hazards.

Commercial Property, Detroit, MI

Inspected painted surfaces for lead-based paint utilizing XRF technology, conducted wipe sampling to determine of lead dust hazards, and collected water samples to quantify lead in drinking water.

Child Occupied Facilities, Detroit, MI

Completed Lead Hazard Screens of Childcare facilities in accordance with State Regulations. Utilized dust wipe sampling, soil sampling, XRF technology and visual inspections to identify lead hazards based on facility/occupant use patterns.

Clearance Activities, Multifamily Housing, Detroit, MI

Visually inspected completed of Lead Based Paint Abatement activities and utilized dust wipe sampling to verify resident health and safety.

ASBESTOS INSPECTIONS & PRE-DEMOLITION HAZARDOUS MATERIALS EVALUATIONS

Multiple Bridges, Eaton County, MI

Assisted with inspection and sampling of asbestos containing materials prior to renovation work.

Commercial Buildings, Lenawee County, MI

Evaluated structures for hazardous materials and assisted with inspection and sampling of asbestos containing building materials, prior to building demolition.

Single Family Housing, Genesee County, MI

Evaluated multiple structures for hazardous materials and inspected for and sampled suspect asbestos containing building materials, prior to building demolition.

Multifamily Highrise, Detroit, MI

Inspected for and sampled suspect asbestos containing building materials, prior to building renovation and rehabilitation activities.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Assisted with outdoor air monitoring and sampling to ensure chemicals of concern and fugitive dust did not leave the property.

INDOOR AIR QUALITY AND MOLD

Office Building, Ann Arbor, MI

Conducted IAQ sampling in a large office building to address concerns of generator exhaust intrusion. Monitored indoor conditions in real time for temperature, relative humidity, carbon dioxide and carbon monoxide

Commercial Property, Detroit, MI

Assisted with Mold investigation of an unoccupied property. Performed visual inspection, tape lift sampling, bulk sampling and utilized moisture readings to evaluate affected substrates.

Negative Exposure Assessment, Benton Harbor, MI

Utilized high volume air sampling pumps and Phase Contrast Microscopy (PCM) to verify resident health and safety during ongoing renovation of buildings with asbestos containing drywall.

RADON TESTING

Responsible for radon testing in Michigan, Ohio, and Indiana.

Apartments, Ferndale, MI

Performed short-term radon testing in accordance with HUD guidelines and the American Association of Radon Scientists and Technologists' (AARST) MAMF-2017 Rev.1-21, Protocol for Conducting Radon and Radon Decay Product Measurements in Multifamily Buildings.

Single Family Housing Development, Pontiac, MI

Performed short-term radon testing of multiple single-family homes in accordance with HUD guidelines and the American Association of Radon Scientists and Technologists' (AARST) MAH-2019, Protocol for Conducting Radon and Radon Decay Product Measurements in Homes.

Commercial Building, Detroit, MI

Performed short-term radon testing in accordance with HUD guidelines and the American Association of Radon Scientists and Technologists' (AARST) MALB-2014 Rev.1-21, Protocol for Conducting Radon and Radon Decay Product Measurements in Schools and Large Buildings.

Multifamily Housing, Flint, MI

Performed short-term radon testing in accordance with AARST MAMF 2017 Rev. 1-21 testing to determine mitigation needs and conducted post-mitigation clearance testing to demonstrate mitigation system efficacy.

(<http://michigan.gov/miosha>).

Individual Profile for SAPERSTEIN, LATHAN

Name and Address

Name

SAPERSTEIN, LATHAN

Address

9099 ASCOT DRIVE
SUPERIOR TOWNSHIP, MI 48198

License Information

Accreditation Type: Inspector

ID#: A58122

Status: Apprvd - Full

Expiration Date: 9/1/2023

Training Expiration Date: 9/15/2023

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

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

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

[Asbestos Program \(https://www.michigan.gov/asbestos\)](https://www.michigan.gov/asbestos)

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

Appendix B

Results of Asbestos Sample Analysis and Chain of Custody

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
 Project : 5959 Whittier- South East Bldg.
 Project # : 4-11685



Report To:

Ms. Jill Tinsley
 ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 1 Cust. #: 1A Material: Pipe joint insulation-white/Hot Water Lines Location: Boiler Room Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 30% Other - 50%
Lab ID #: 101492pc - 2 Cust. #: 1B Material: Pipe joint insulation-white/Hot Water Lines Location: Boiler Room Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 10% Other - 70%
Lab ID #: 101492pc - 3 Cust. #: 1C Material: Pipe joint insulation-white/Hot Water Lines Location: Boiler Room Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 10% Fiberglass - 30% Other - 40%

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

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or 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 as submitted 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 : 5959 Whittier- South East Bldg.
 Project # : 4-11685



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 ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 4 Cust. #: 2A Material: Pipe Wrap Insulation-white over yellow Location: Hot Water Lines-Boiler Room Appearance: yellow, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 25% Fiberglass - 70% Other - 5%
Lab ID #: 101492pc - 5 Cust. #: 2B Material: Pipe Wrap Insulation-white over yellow Location: Hot Water Lines-Boiler Room Appearance: yellow, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 25% Fiberglass - 70% Other - 5%
Lab ID #: 101492pc - 6 Cust. #: 2C Material: Pipe Wrap Insulation-white over yellow Location: Hot Water Lines-Boiler Room Appearance: yellow, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 25% Fiberglass - 70% Other - 5%

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

Robert T. Letarte Jr., Laboratory Director

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 Project : 5959 Whittier- South East Bldg.
 Project # : 4-11685



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 Brighton, MI 48116

ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 7 Cust. #: 3A Material: Pipe Wrap insulation- white over yellow Location: Cold Water Lines-Boiler Room Appearance: yellow, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 75% Other - 5%
Lab ID #: 101492pc - 8 Cust. #: 3B Material: Pipe Wrap insulation- white over yellow Location: Cold Water Lines-Boiler Room Appearance: yellow, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 75% Other - 5%
Lab ID #: 101492pc - 9 Cust. #: 3C Material: Pipe Wrap insulation- white over yellow Location: Cold Water Lines-Boiler Room Appearance: yellow, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 75% Other - 5%

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

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)
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 Brighton, MI 48116

ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 10 Cust. #: 4A Material: Pipe joint insulation/Cold Water Lines Location: Boiler Room Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - 1.0% POINT COUNT RESULT	Cellulose - 20% Mineral Wool - 30% Other - 49%
Lab ID #: 101492pc - 11 Cust. #: 4B Material: Pipe joint insulation/Cold Water Lines Location: Boiler Room Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT	Cellulose - 20% Mineral Wool - 30% Other - 50%
Lab ID #: 101492pc - 12 Cust. #: 4C Material: Pipe joint insulation/Cold Water Lines Location: Boiler Room Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 30% Other - 50%

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

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 13 Cust. #: 5A Material: 12"X12"Floor tile tan with brown and white Location: West Side 1st Floor Hallway Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 13a Cust. #: 5A Material: Mastic Location: West Side 1st Floor Hallway Appearance: black,nonfibrous,nonhomogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 14 Cust. #: 5B Material: 9"X9" Floor tile Tan with brown and white : Location: West Side 1st Floor Hallway Appearance: beige,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 40 CFR - Part 763 and/or 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 as submitted 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 : 5959 Whittier- South East Bldg.
 Project # : 4-11685



Report To:

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 ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 14a Cust. #: 5B Material: Mastic Location: West Side 1st Floor Hallway Appearance: black,nonfibrous,nonhomogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 15 Cust. #: 6A Material: 9"x9" FT, Tan w/Brown & White Streaks Location: West Side, 1st Floor Appearance: beige,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 1.75% POINT COUNT RESULT	Other - 98.25%
Lab ID #: 101492pc - 15a Cust. #: 6A Material: Mastic Location: West Side, 1st Floor 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.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or 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 as submitted 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 : 5959 Whittier- South East Bldg.
 Project # : 4-11685



Report To:

Ms. Jill Tinsley
 ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 16 Cust. #: 6B Material: 9"x9" FT, Tan w/Brown & White Streaks Location: East Side, 2nd Floor Appearance: Layer: 1 of 2	Asbestos Present: No Asbestos Observed	
Lab ID #: 101492pc - 16a Cust. #: 6B Material: Mastic Location: East Side, 2nd Floor Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 17 Cust. #: 7A Material: Ceramic Wall Tile Grout-Grey Location: 1st Floor, South Side, Janitor Closet 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

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Test Method, Polarized Light Microscopy (PLM)
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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 18 Cust. #: 7B Material: Ceramic Wall Tile Grout-Grey Location: 2nd Floor, North Side, NE Room 211 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 19 Cust. #: 8A Material: 9"x9" FT-Tan w/White & Brown Swirls Location: 1st Floor By Room 114/115 Appearance: beige,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 1.5% POINT COUNT RESULT	Other - 98.5%
Lab ID #: 101492pc - 19a Cust. #: 8A Material: Mastic Location: 1st Floor By Room 114/115 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 20 Cust. #: 8B Material: 9"x9" FT-Tan w/White & Brown Swirls Location: 2nd Floor Room 212 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101492pc - 20a Cust. #: 8B Material: Mastic Location: 2nd Floor Room 212 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 21 Cust. #: 9A Material: Plaster Finish Coat-White Location: 1st Floor West Stairway Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 21a Cust. #: 9A Material: Plaster Base Coat Location: 1st Floor West Stairway Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 22 Cust. #: 9B Material: Plaster Finish Coat-White Location: Girl's Restroom 1st Floor Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 22a Cust. #: 9B Material: Plaster Base Coat Location: Girl's Restroom 1st Floor Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 23 Cust. #: 9C Material: Plaster Finish Coat-White Location: 1st Floor East Stairway Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 23a Cust. #: 9C Material: Plaster Base Coat Location: 1st Floor East Stairway Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 24 Cust. #: 9D Material: Plaster Finish Coat-White Location: Boy's Restroom 1st Floor Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 24a Cust. #: 9D Material: Plaster Base Coat Location: Boy's Restroom 1st Floor Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 25 Cust. #: 9E Material: Plaster Finish Coat-White Location: 2nd Floor Girl's Restroom Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 25a Cust. #: 9E Material: Plaster Base Coat Location: 2nd Floor Girl's Restroom Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 26 Cust. #: 9F Material: Plaster Finish Coat-White Location: 2nd Floor Boy's Restroom Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 26a Cust. #: 9F Material: Plaster Base Coat Location: 2nd Floor Boy's Restroom Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 27 Cust. #: 9G Material: Plaster Finish Coat-White Location: 2nd Floor Janitor's Closet Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 27a Cust. #: 9G Material: Plaster Base Coat Location: 2nd Floor Janitor's Closet Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 28 Cust. #: 10A Material: 12"x12" Ceiling Tile-White Location: 1st Floor West Side Hallway Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 80% Other - 20%
Lab ID #: 101492pc - 29 Cust. #: 10B Material: 12"x12" Ceiling Tile-White Location: 2nd Floor Room 204 (A-I) Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 80% Other - 20%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 30 Cust. #: 11A Material: Window Glaze-Grey Location: 1st Floor North Window, Room 112/113 Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 2.5% POINT COUNT RESULT	Other - 97.5%
Lab ID #: 101492pc - 31 Cust. #: 11B Material: Window Glaze-Grey Location: 2nd Floor South Window Room Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101492pc - 32 Cust. #: 12A Material: Dividing Curtain-Beige Location: 1st Floor Room 114/115 Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 60% Other - 40%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 33 Cust. #: 12B Material: Dividing Curtain-Beige Location: 1st Floor Room 114/115 Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 60% Other - 40%
Lab ID #: 101492pc - 34 Cust. #: 13A Material: Ceramic Floor Tile Grout-Grey Location: Boy's Restroom 1st Floor Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 35 Cust. #: 13B Material: Ceramic Floor Tile Grout-Grey Location: Boy's Restroom 2nd Floor Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 36 Cust. #: 14A Material: Block Mortar-Grey Location: Office 1st Floor Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 37 Cust. #: 14B Material: Block Mortar-Grey Location: 2nd Floor Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 38 Cust. #: 15A Material: Carpet Glue/Top Mastic & Mesh Location: Office 1st Floor, South Side Appearance: yellow,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Synthetic - 50% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 38a Cust. #: 15A Material: Floor Tile Location: Office 1st Floor, South Side Appearance: beige, fibrous, homogenous Layer: 2 of 3	Asbestos Present: YES Chrysotile - 1.75% POINT COUNT RESULT	Other - 98.25%
Lab ID #: 101492pc - 38b Cust. #: 15A Material: Mastic Location: Office 1st Floor, South Side Appearance: black, nonfibrous, homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 39 Cust. #: 15B Material: Carpet Glue/Top Mastic & Mesh Location: Office 1st Floor, East Wall Appearance: yellow, fibrous, nonhomogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Synthetic - 50% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 39a Cust. #: 15B Material: Floor Tile Location: Office 1st Floor, East Wall Appearance: Layer: 2 of 3	Asbestos Present: NOT ANALYZED	
Lab ID #: 101492pc - 39b Cust. #: 15B Material: Mastic Location: Office 1st Floor, East Wall Appearance: black,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 40 Cust. #: 16A Material: Sink Undercoating-Black Location: Kitchen, 1st Floor-Sink Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 2.0% POINT COUNT RESULT	Other - 98%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 41 Cust. #: 16B Material: Sink Undercoating-Black Location: Kitchen, 1st Floor-Sink Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101492pc - 42 Cust. #: 17A Material: 4" Chocolate Brown Cove Base Location: Kitchen North Side Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 42a Cust. #: 17A Material: Mastic Location: Kitchen North Side Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 43 Cust. #: 17B Material: 4" Chocolate Brown Cove Base Location: Kitchen South Side Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 43a Cust. #: 17B Material: Mastic Location: Kitchen South Side Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 44 Cust. #: 18A Material: 12"x12" White w/Brown Specks FT Location: 1st Floor-Room 111 South Side Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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 Brighton, MI 48116

ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 44a Cust. #: 18A Material: Mastic Location: 1st Floor-Room 111 South Side Appearance: black,nonfibrous,nonhomogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 45 Cust. #: 18B Material: 12"x12" White w/Brown Specks FT Location: 1st Floor-Room 111 South Side Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 45a Cust. #: 18B Material: Mastic Location: 1st Floor-Room 111 South Side Appearance: black,nonfibrous,nonhomogenous 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

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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
 Project : 5959 Whittier- South East Bldg.
 Project # : 4-11685



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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 46 Cust. #: 19A Material: Interior Caulk-Grey Location: Hallway Windows-North Side 2nd Floor Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 101492pc - 47 Cust. #: 19B Material: Interior Caulk-Grey Location: Hallway Windows-South Side 1st Floor Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101492pc - 48 Cust. #: 20A Material: 9"x9" Floor Tile-Red Location: 2nd Floor, Room 205 Appearance: red, fibrous, homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 48a Cust. #: 20A Material: Mastic Location: 2nd Floor, Room 205 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 49 Cust. #: 20B Material: 9"x9" Floor Tile-Red Location: 2nd Floor, Room 205 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101492pc - 49a Cust. #: 20B Material: Mastic Location: 2nd Floor, Room 205 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 50 Cust. #: 21A Material: Board Location: Room 205 Appearance: green, fibrous, homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 101492pc - 50a Cust. #: 21A Material: Glue 1 Location: Room 205 Appearance: brown, nonfibrous, homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 520b Cust. #: 21A Material: Paper Location: Room 205 Appearance: brown, fibrous, homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 95% Other - 5%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 50c Cust. #: 21A Material: Glue 2 Location: Room 205 Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 51 Cust. #: 21B Material: Board Location: Room 205 Appearance: green,fibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 101492pc - 51a Cust. #: 21B Material: Glue 1 Location: Room 205 Appearance: brown,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 51b Cust. #: 21B Material: Paper Location: Room 205 Appearance: brown, fibrous, homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 95% Other - 5%
Lab ID #: 101492pc - 51c Cust. #: 21B Material: Glue 2 Location: Room 205 Appearance: yellow, nonfibrous, homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 52 Cust. #: 22A Material: Exterior Expansion Caulk-Grey Location: North Side Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 53 Cust. #: 22B Material: Exterior Expansion Caulk-Grey Location: South Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 54 Cust. #: 23A Material: Exterior Widow Caulk-Grey Location: North Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 55 Cust. #: 23B Material: Exterior Widow Caulk-Grey Location: West Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 56 Cust. #: 24A Material: Exterior Brick Mortar-Grey Location: North Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 57 Cust. #: 24B Material: Exterior Brick Mortar-Grey Location: East Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101492pc - 58 Cust. #: 25A Material: Ceramic Floor Tile Grout-Grey Location: Stairwell, East Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101492pc - 59 Cust. #: 25B Material: Ceramic Floor Tile Grout-Grey Location: Stairwell, West Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
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Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
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Test Method, Polarized Light Microscopy (PLM)
 Project : 5959 Whittier- South East Bldg.
 Project # : 4-11685



Report To:

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 ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

ARI Report # 22-101492pc
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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
 Project : 5959 Whittier- South East Bldg.
 Project # : 4-11685



Report To:

Ms. Jill Tinsley
 ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

ARI Report # 22-101492pc
 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

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 Date Collected: 09/22/22
 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
 Project : 5959 Whittier- South East Bldg.
 Project # : 4-11685



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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
 Project : 5959 Whittier- South East Bldg.
 Project # : 4-11685



Report To:

Ms. Jill Tinsley
 ASTI Environmental
 10448 Citation Dr., Suite 100
 Brighton, MI 48116

ARI Report # 22-101492pc
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 Date Received: 10/03/22
 Date Analyzed: 10/04/22
 Date Reported: 10/05/22

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800
 Turn Around Time: (circle one) 24 hour Terms and conditions on the other side.

Date of Survey: 9.22.2022
 Project: 5959 Whittier - South East Bldg.
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no _____ Mold: Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	pipe joint insulation - white / Hot water lines		Boiler room	
	1B	↓ / Boiler room			
	1C	↓ / ↓			
	2A	pipe wrap insulation - white over yellow / Hot water lines		Boiler Room	
	2B	↓			
	2C	↓			
	3A	pipe wrap insulation - white over yellow / Cold water lines		Boiler Room	
	3B	↓			
	3C	↓			
	4A	pipe joint insulation / cold water lines		Boiler Room	
	4B	↓			
	4C	↓ RECEIVED			

Relinquished By: J. Tinsley
 Date: 9.26.2022

Received By: OCT 03 2022
 Time/Date: 8L 0300

Relinquished By: _____
 Date: _____

Received By: _____
 Time/Date: _____

APEX Research, Inc.

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9-22-2022
 Project: 5959 Whittier / Southeast Building
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour _____ 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP / no _____ Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	5A	12"x12" Floor tile tan with ^{Brown +} white specks / west side 1st floor hallway			
	5B	↓			
	6A	9"x9" Floor tile Tan with Brown + White streaks / west side 1st floor			
	6B	↓ / East side 2nd floor			
	7A	Ceramic wall tile Gray-Gray / 1st floor south side Janitor closet			
	7B	↓ / 2nd floor north side NE Room 211			
	8A	9"x9" Floor tile Tan with white + brown swirls / 1st floor by room 114/115			
	8B	↓ / 2nd floor room 212			
	9A	Plaster - white over gray / 1st Fl west stairway			
	9B	↓ / GIRLS restroom 1st Fl			
	9C	↓ / 1st Floor East stairway			
	9D	↓ / Boy's restroom 1st Fl			

Relinquished By: J. Tinsley
 Date: 9.22.2022

Received By: _____
 Time/Date: OCT 03 2022

Relinquished By: _____
 Date: _____

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Customer Name: ASTI Environmental
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Date of Survey: 9-22-2022
 Project: 5959 Whittier / south east Building
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) 72 hour Terms and conditions on the other side.

Rush _____ 24 hour _____
 48 hour _____ 72 hour _____
 Other: _____ TTP yes no (Test Till Positive)
 Samples received after 3pm logged in next morning

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Circle analyses required, indicate type and quantity

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	9E	Plaster-white over gray 2 nd floor Girls restroom			
	9F	↓ / 2nd floor Boys restroom			
	9G	↓ / 2nd floor Janitor's closet			
	10A	12"x12" ceiling tile white / 1st floor west Hallway			
	10B	↓ / 2nd floor room 204 (A-I)			
	11A	Window glaze - gray / 1st floor North window room 112/113			
	11B	↓ / 2nd floor south window room			
	12A	Dividing curtain - Beige / 1st floor room 114/115			
	12B	↓			
	13A	Ceramic Floor tile grout - Gray / Boys restroom 1st fl			
	13B	↓ / Boys restroom 2nd floor			
	14A	Block mortar - gray / office 1st floor			

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 Date: 9.26.22

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BL 0300
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Customer Name: ASTI Environmental
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 City, St., Zip: Brighton, Michigan 48116
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Turn Around Time: (circle one) 72 hour Terms and conditions on the other side.

Rush 24 hour
 48 hour 72 hour
 Other: _____ TTP yes / no
 (Test Till Positive)
 Samples received after 3pm
 logged in next morning

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Mold: Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Date of Survey: 9.22.2022
 Project: 5959 Whittier Southeast Bldg
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com
Circle analyses required, indicate type and quantity

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	14B	Block mortar - Gray / 2nd floor			
	15A	yellow carpet glue + 9"x9" Ft Tan / office 1st fl south side			
	15B	↓ / office 1st fl East wall			
	16A	Sink undercoating - black / Kitchen 1st fl sink			
	16B	↓			
	17A	4" chocolate brown Cove base / Kitchen North side			
	17B	↓ / Kitchen south side			
	18A	12"x12" white with brown specks / 1st floor room		111 south side	
	18B	↓			
	19A	Interior caulk - gray / Hallway windows North side		2nd fl	
	19B	↓ / Hallway windows South side	1st fl		
	20A	9"x9" floor tile - red / 2nd floor room	205		

Relinquished By: J. Tinsley
 Date: 9.26.2022

Revision R5 Date: Nov/2017

Received By: **RECEIVED**

Time/Date: OCT 03 2022

BL 0800
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Date: _____

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Time/Date: _____

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 Turn Around Time: (circle one) 24 hour ***Terms and conditions on the other side.

Date of Survey: 9.22.2022
 Project: 5959 Whittier Southeast Bldg
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

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 Report: _____
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Rush 24 hour
 48 hour 72 hour
 Other: _____ TTP yes / no
 Samples received after 3pm
 logged in next morning (Test Till Positive)

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Circle analyses required, indicate type and quantity

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	20B	9"x9" Floor tile - Red / 2nd Floor Room 205			
	21A	yellow glue pad + Green cork board / Room 205			
	21B	↓			
	22A	Exterior expansion caulk - gray / North side			
	22B	↓ / South side			
	23A	Exterior window caulk - gray / North side			
	23B	↓ / West side			
	24A	Exterior brick mortar - Gray / North side			
	24B	↓ / East side			
	25A	Ceramic floor tile grout - Gray / Stair well East			
	25B	↓ / Stair well west			

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Relinquished By: J. Tinsley
 Date: 9.26.2022

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 Time/Date: OCTOBER 03 2022

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 Date: _____

Received By: _____
 Time/Date: _____

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 01 Cust. #: 1A Material: Boiler Insulation- White Location: North Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Mineral Wool - 20% Other - 70%
Lab ID #: 101490R - 02 Cust. #: 1B Material: Boiler Insulation- White Location: South Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Mineral Wool - 20% Other - 70%
Lab ID #: 101490R - 03 Cust. #: 1C Material: Boiler Insulation- White Location: East Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Mineral Wool - 20% Other - 70%

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

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

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(734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
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Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 04 Cust. #: 2A Material: Pipe Joint Insulation- White Location: Basement Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 70%	Other - 30%
Lab ID #: 101490R - 05 Cust. #: 2B Material: Pipe Joint Insulation- White Location: Basement Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 06 Cust. #: 2C Material: Pipe Joint Insulation- White Location: Basement Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 07 Cust. #: 3A Material: Pipe Insulation- White/Brown Location: Basement Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Cellulose - 85% Other - 14%
Lab ID #: 101490R - 08 Cust. #: 3B Material: Pipe Insulation- White/Brown Location: Cafeteria Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 60%	Other - 40%
Lab ID #: 101490R - 09 Cust. #: 4A Material: Window Glaze- Grey Location: Basement Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Wollastonite - 1% Other - 99%

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Robert T. Letarte Jr., Laboratory Director

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Project # : 4-11685

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Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 10 Cust. #: 4B Material: Window Glaze- Grey Location: Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Wollastonite - 1% Other - 99%
Lab ID #: 101490R - 11 Cust. #: 5A Material: Window Glaze- Grey Location: Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Other - 99%
Lab ID #: 101490R - 12 Cust. #: 5B Material: Window Glaze- Grey Location: Cafeteria Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Wollastonite - 1% Other - 99%

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Robert T. Letarte Jr., Laboratory Director

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Project # : 4-11685

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Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 13 Cust. #: 6A Material: Block Mortar- Grey Location: Basement Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 14 Cust. #: 6B Material: Block Mortar- Grey Location: Basement Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 15 Cust. #: 7A Material: Flashing- Black Location: East Parapet Wall Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%

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ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 16 Cust. #: 7B Material: Flashing- Black Location: North Parapet Wall Roof Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 101490R - 17 Cust. #: 8A Material: Flashing- Black Location: North Wall Roof Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 18 Cust. #: 8B Material: Flashing- Black Location: East Wall Roof Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Robert T. Letarte Jr., Laboratory Director

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Project # : 4-11685

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ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 19 Cust. #: 9A Material: Flashing- Black Location: North Top Edge Roof Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 101490R - 20 Cust. #: 9B Material: Flashing- Black Location: West Top Edge Roof Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 101490R - 21 Cust. #: 10A Material: Caulk- Grey Location: North Roof Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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NVLAP Lab Code 102118-0

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Project : 6021 Whittier
Project # : 4-11685

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ARI Report # 22-101490
Date Collected: 09/20/22
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Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 22 Cust. #: 10B Material: Caulk- Grey Location: Middle Roof Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 23 Cust. #: 11A Material: Roll Roofing- Black Location: East Roof Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 15% Other - 85%
Lab ID #: 101490R - 24 Cust. #: 11B Material: Roll Roofing- Black Location: North Roof Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 15% Other - 85%

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ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 25 Cust. #: 12A Material: Duct Wrap- Beige Location: 2nd Floor- Roof Access Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 80% Other - 20%
Lab ID #: 101490R - 26 Cust. #: 12B Material: Duct Wrap- Beige Location: 1st Floor Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 80% Other - 20%
Lab ID #: 101490R - 27 Cust. #: 12C Material: Duct Wrap- Beige Location: 1st Floor Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 80% Other - 20%

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Robert T. Letarte Jr., Laboratory Director

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ARI Report # 22-101490
Date Collected: 09/20/22
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Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 28 Cust. #: 13A Material: 9"x9" Floor Tile Checker Board Green Location: Cafeteria Middle Appearance: green, fibrous, homogenous Layer: 1 of 4	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 28a Cust. #: 13A Material: Mastic Location: Cafeteria Middle Appearance: black, nonfibrous, homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 28b Cust. #: 13A Material: Brown Floor Tile Location: Cafeteria Middle Appearance: brown, fibrous, homogenous Layer: 3 of 4	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 28c Cust. #: 13A Material: Mastic Location: Cafeteria Middle Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 29 Cust. #: 13B Material: 9"x9" Floor Tile Checker Board Green Location: Cafeteria South Appearance: Layer: 1 of 4	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 29a Cust. #: 13B Material: Mastic Location: Cafeteria South Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

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NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189
(734) 449-9990, Fax (734) 449-9991

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 29b Cust. #: 13B Material: Brown Floor Tile Location: Cafeteria South Appearance: Layer: 3 of 4	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 29c Cust. #: 13B Material: Mastic Location: Cafeteria South Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 30 Cust. #: 14A Material: 9"x9" Floor Tile Dark Brown Location: North Side Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 30a Cust. #: 14A Material: Mastic Location: North Side Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 31 Cust. #: 14B Material: 9"x9" Floor Tile Dark Brown Location: South Side Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 31a Cust. #: 14B Material: Mastic Location: South Side Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 32 Cust. #: 15A Material: Cove Base Brown Location: West Side Kitchen Closet Appearance: brown, fibrous, homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 101490R - 32a Cust. #: 15A Material: Glue Location: West Side Kitchen Closet Appearance: brown, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 33 Cust. #: 15B Material: Cove Base Brown Location: West Side Kitchen Closet Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 33a Cust. #: 15B Material: Glue Location: West Side Kitchen Closet Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 34 Cust. #: 16A Material: 9"x9" Red/Brown Floor Tile Location: North Side Kitchen Appearance: red,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 34a Cust. #: 16A Material: Mastic Location: North Side Kitchen Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 35 Cust. #: 16B Material: 9"x9" Red Floor Tile Location: South Side Kitchen Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 35a Cust. #: 16B Material: Mastic Location: South Side Kitchen Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 36 Cust. #: 17A Material: Ceramic Tile Grout- Grey Location: Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 37 Cust. #: 17B Material: Ceramic Tile Grout- Grey Location: Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 38 Cust. #: 18A Material: 16"x16" Boarder Floor Tile- Brown Location: North Side Cafeteria Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 38a Cust. #: 18A Material: Mastic Location: North Side Cafeteria Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 39 Cust. #: 18B Material: 16"x16" Boarder Floor Tile- Brown Location: South Side Cafeteria Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 39a Cust. #: 18B Material: Mastic Location: South Side Cafeteria Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 40 Cust. #: 19A Material: Sink Undercoating- Black Location: Kitchen Sink Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 41 Cust. #: 19B Material: Sink Undercoating- Black Location: Kitchen Sink Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 42 Cust. #: 20A Material: 12"x12" White Ceiling Tile Location: Cafeteria Appearance: yellow, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 80% Other - 20%
Lab ID #: 101490R - 42a Cust. #: 20A Material: Dark Brown Glue Pod Location: Cafeteria Appearance: brown, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 43 Cust. #: 20B Material: 12"x12" White Ceiling Tile Location: Cafeteria Appearance: yellow, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 80% Other - 20%
Lab ID #: 101490R - 43a Cust. #: 20B Material: Dark Brown Glue Pod Location: Cafeteria Appearance: brown, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 44 Cust. #: 21A Material: Caulk/Grout- White Location: Men's Faculty Restroom 1st Fl Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 45 Cust. #: 21B Material: Caulk/Grout- White Location: Men's Faculty Restroom 1st Fl Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 46 Cust. #: 22A Material: Plaster Finish Coat- White Location: 1st Floor Janitor Closet Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 46a Cust. #: 22A Material: Plaster Base Coat- Grey Location: 1st Floor Janitor Closet Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 47 Cust. #: 22B Material: Plaster Finish Coat- White Location: 1st Floor Janitor Closet Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 47a Cust. #: 22B Material: Plaster Base Coat- Grey Location: 1st Floor Janitor Closet Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 48 Cust. #: 22C Material: Plaster Finish Coat- White Location: Office Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 48a Cust. #: 22C Material: Plaster Base Coat- Grey Location: Office Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 101490R - 49 Cust. #: 22D Material: Plaster Finish Coat- White Location: Room 102 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 49a Cust. #: 22D Material: Plaster Base Coat- Grey Location: Room 102 Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 50 Cust. #: 22E Material: Plaster Finish Coat- White Location: Restroom 2nd Floor Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 50a Cust. #: 22E Material: Plaster Base Coat- Grey Location: Restroom 2nd Floor Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 51 Cust. #: 22F Material: Plaster Finish Coat- White Location: Janitor Access to Roof 2nd Fl Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 51a Cust. #: 22F Material: Plaster Base Coat- Grey Location: Janitor Access to Roof 2nd Fl Appearance: grey, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 101490R - 52 Cust. #: 22G Material: Plaster Finish Coat- White Location: Room 202 Appearance: white, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 52a Cust. #: 22G Material: Plaster Base Coat- Grey Location: Room 202 Appearance: grey, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%

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

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 53 Cust. #: 23A Material: 9"x9" Floor Tile Black Location: South Side Appearance: black, fibrous, homogenous Layer: 1 of 4	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 53a Cust. #: 23A Material: Mastic Location: South Side Appearance: black, nonfibrous, homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 53b Cust. #: 23A Material: Brown Floor Tile Location: South Side Appearance: brown, fibrous, homogenous Layer: 3 of 4	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 53c Cust. #: 23A Material: Mastic Location: South Side Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 54 Cust. #: 23B Material: 9"x9" Floor Tile Black Location: North Side Appearance: Layer: 1 of 4	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 54a Cust. #: 23B Material: Mastic Location: North Side Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 54b Cust. #: 23B Material: Brown Floor Tile Location: North Side Appearance: Layer: 3 of 4	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 54c Cust. #: 23B Material: Mastic Location: North Side Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 55 Cust. #: 24A Material: 12"x4" Hallway Boarder Floor Tile Black Location: South Side Appearance: black,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 55a Cust. #: 24A Material: Mastic Location: South Side Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 56 Cust. #: 24B Material: 12"x4" Hallway Boarder Floor Tile Black Location: North Side Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 56a Cust. #: 24B Material: Mastic Location: North Side Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 57 Cust. #: 25A Material: 9"x9" Floor Tile Green Checkerboard Location: Middle of Room 102 Appearance: green, fibrous, homogenous Layer: 1 of 4	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 57a Cust. #: 25A Material: Mastic Location: Middle of Room 102 Appearance: black, nonfibrous, homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 57b Cust. #: 25A Material: Cream Floor Tile Location: Middle of Room 102 Appearance: beige, fibrous, homogenous Layer: 3 of 4	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 57c Cust. #: 25A Material: Mastic Location: Middle of Room 102 Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 58 Cust. #: 25B Material: 9"x9" Floor Tile Green Checkerboard Location: East Side of Room 102 Appearance: Layer: 1 of 4	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 58a Cust. #: 25B Material: Mastic Location: East Side of Room 102 Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 58b Cust. #: 25B Material: Cream Floor Tile Location: East Side of Room 102 Appearance: Layer: 3 of 4	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 58c Cust. #: 25B Material: Mastic Location: East Side of Room 102 Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 59 Cust. #: 26A Material: 12"x12" White Ceiling Tile Location: North Side of Room 102 Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 80% Other - 20%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 59a Cust. #: 26A Material: Brown Glue Pod Location: North Side of Room 102 Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 60 Cust. #: 26B Material: 12"x12" White Ceiling Tile Location: North Side of Room 102 Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 80% Other - 20%
Lab ID #: 101490R - 60a Cust. #: 26B Material: Brown Glue Pod Location: North Side of Room 102 Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 61 Cust. #: 27A Material: Cove Base- Black Location: North Side of Room 102 Appearance: black, fibrous, homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 101490R - 61a Cust. #: 27A Material: Glue Location: North Side of Room 102 Appearance: brown, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 62 Cust. #: 27B Material: Cove Base- Black Location: North Side of Room 102 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 62a Cust. #: 27B Material: Glue Location: North Side of Room 102 Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 63 Cust. #: 28A Material: Cork Board- Brown Location: Room 102 Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 101490R - 63a Cust. #: 28A Material: Chocolate Brown Glue Pod Location: Room 102 Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 64 Cust. #: 28B Material: Cork Board- Brown Location: Room 102 Appearance: brown, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 90% Other - 10%
Lab ID #: 101490R - 64a Cust. #: 28B Material: Chocolate Brown Glue Pod Location: Room 102 Appearance: brown, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 65 Cust. #: 29A Material: 12"x12" SCT- White- Worm Trails/Dots Location: 1st Floor Classroom 101 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 66 Cust. #: 29B Material: 12"x12" SCT- White- Worm Trails/Dots Location: 1st Floor Classroom 101 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 101490R - 67 Cust. #: 30A Material: Joint Compound Location: Room 101 Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 68 Cust. #: 30B Material: Drywall- White Location: Room 101 Appearance: white, fibrous, nonhomogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 68a Cust. #: 30B Material: Joint Compound Location: Room 101 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 69 Cust. #: 31A Material: Cove Base- Chocolate Brown Location: Room 101 Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 69a Cust. #: 31A Material: Glue Location: Room 101 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 70 Cust. #: 31B Material: Cove Base- Chocolate Brown Location: Room 101 Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 70a Cust. #: 31B Material: Glue Location: Room 101 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 71 Cust. #: 32A Material: Carpet Glue- Yellow Location: Room 101 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 72 Cust. #: 32B Material: Carpet Glue- Yellow Location: Room 101 Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 73 Cust. #: 33A Material: Cove Base- Grey Location: 1st Floor Office East Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 73a Cust. #: 33A Material: Glue Location: 1st Floor Office East Side Appearance: yellow,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

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 74 Cust. #: 33B Material: Cove Base- Grey Location: 1st Flor Office West Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 74a Cust. #: 33B Material: Glue Location: 1st Flor Office West Side Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 75 Cust. #: 34A Material: Window Glaze- White Location: Classroom 112 West Side Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 76 Cust. #: 34B Material: Window Glaze- White Location: Classroom 112 West Side Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 77 Cust. #: 35A Material: 9"x9" Floor Tile Tan w/ White Streaks Location: Classroom 112 Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 77a Cust. #: 35A Material: Mastic Location: Classroom 112 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 78 Cust. #: 35B Material: 9"x9" Floor Tile Tan w/ White Streaks Location: Classroom 112 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 78a Cust. #: 35B Material: Mastic Location: Classroom 112 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 79 Cust. #: 36A Material: Plaster Skim Location: Room 112 Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 79a Cust. #: 36A Material: Plaster Finish Coat- White Location: Room 112 Appearance: white,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 79b Cust. #: 36A Material: Plaster Base Coat- Grey Location: Room 112 Appearance: grey,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 80 Cust. #: 36B Material: Plaster Skim Location: Room 112 Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 80a Cust. #: 36B Material: Plaster Finish Coat- White Location: Room 112 Appearance: white,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 80b Cust. #: 36B Material: Plaster Base Coat- Grey Location: Room 112 Appearance: grey,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 81 Cust. #: 36C Material: Plaster Finish Coat- White Location: Room 104 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 81a Cust. #: 36C Material: Plaster Base Coat- Grey Location: Room 104 Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 82 Cust. #: 36D Material: Plaster Finish Coat- White Location: Room 105 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 82a Cust. #: 36D Material: Plaster Base Coat- Grey Location: Room 105 Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 83 Cust. #: 36E Material: Plaster Finish Coat- White Location: Room 105 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 83a Cust. #: 36E Material: Plaster Base Coat- Grey Location: Room 105 Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 84 Cust. #: 36F Material: Plaster Finish Coat- White Location: Room 204 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 84a Cust. #: 36F Material: Plaster Base Coat- Grey Location: Room 204 Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 85 Cust. #: 36G Material: Plaster Finish Coat- White Location: Room 211 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 85a Cust. #: 36G Material: Plaster Base Coat- Grey Location: Room 211 Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 86 Cust. #: 37A Material: 9"x9" Floor Tile Tan w/ White Specks Location: Room 104 Appearance: brown, fibrous, homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 86a Cust. #: 37A Material: Mastic Location: Room 104 Appearance: black, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 87 Cust. #: 37B Material: 9"x9" Floor Tile Tan w/ White Specks Location: Room 104 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 87a Cust. #: 37B Material: Mastic Location: Room 104 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 88 Cust. #: 38A Material: 12"x12" Floor Tile- Orangeish/Brown Location: 1st Floor Hallway North Side Appearance: orange,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 88a Cust. #: 38A Material: Mastic Location: 1st Floor Hallway North Side Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 89 Cust. #: 38B Material: 12"x12" Floor Tile- Orangeish/Brown Location: 1st Floor Hallway South Side Appearance: orange,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 89a Cust. #: 38B Material: Mastic Location: 1st Floor Hallway South Side Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 90 Cust. #: 39A Material: Wall Tile Grout- Grey Location: 1st Floor Hallway Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 91 Cust. #: 39B Material: Wall Tile Grout- Grey Location: Gym Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 92 Cust. #: 40A Material: 9"x9" Floor Tile- Black Location: Room 105 North Side Appearance: black,fibrous,homogenous Layer: 1 of 4	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 92a Cust. #: 40A Material: Mastic Location: Room 105 North Side Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 92b Cust. #: 40A Material: Brown Floor Tile Location: Room 105 North Side Appearance: brown, fibrous, homogenous Layer: 3 of 4	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 92c Cust. #: 40A Material: Mastic Location: Room 105 North Side Appearance: black, nonfibrous, homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 93 Cust. #: 40B Material: 9"x9" Floor Tile- Black Location: Room 105 North Side Appearance: Layer: 1 of 4	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 93a Cust. #: 40B Material: Mastic Location: Room 105 North Side Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 93b Cust. #: 40B Material: Brown Floor Tile Location: Room 105 North Side Appearance: Layer: 3 of 4	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 93c Cust. #: 40B Material: Mastic Location: Room 105 North Side Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 94 Cust. #: 41A Material: Pipe Insulation- Brown Location: Room 111 Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Perlite - 15% Other - 75%
Lab ID #: 101490R - 95 Cust. #: 41B Material: Pipe Insulation- Brown Location: Room 111 Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 96 Cust. #: 41C Material: Pipe Insulation- Brown Location: Room 111 Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 97 Cust. #: 42A Material: 6" Black Ceramic Cove Base Location: Room 111 Appearance: black, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 101490R - 97a Cust. #: 42A Material: Mortar Location: Room 111 Appearance: black, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 98 Cust. #: 42B Material: 6" Black Ceramic Cove Base Location: Room 111 Appearance: black, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 98a Cust. #: 42B Material: Mortar Location: Room 111 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 99 Cust. #: 43A Material: 12"x12" Tan w/ White/Tan/Brown Location: Room 110 North Side Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 99a Cust. #: 43A Material: Mastic Location: Room 110 North Side Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 100 Cust. #: 43B Material: 12"x12" Tan w/ White/Tan/Brown Location: Room 110 South Side Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 100a Cust. #: 43B Material: Mastic Location: Room 110 South Side Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 101 Cust. #: 44A Material: 9"x9" Floor Tile- Grey Location: Room 110 Closet Appearance: grey,fibrous,homogenous Layer: 1 of 6	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 101a Cust. #: 44A Material: Mastic Location: Room 110 Closet Appearance: black,nonfibrous,homogenous Layer: 2 of 6	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 101b Cust. #: 44A Material: Green Floor Tile Location: Room 110 Closet Appearance: green,fibrous,homogenous Layer: 3 of 6	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 101c Cust. #: 44A Material: Mastic Location: Room 110 Closet Appearance: black,nonfibrous,homogenous Layer: 4 of 6	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 101d Cust. #: 44A Material: Red Floor Tile Location: Room 110 Closet Appearance: red, fibrous, homogenous Layer: 5 of 6	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 101e Cust. #: 44A Material: Black Floor Tile Location: Room 110 Closet Appearance: black, fibrous, homogenous Layer: 6 of 6	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 102 Cust. #: 44B Material: 9"x9" Floor Tile- Grey Location: Room 110 Closet Appearance: Layer: 1 of 8	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 102a Cust. #: 44B Material: Mastic Location: Room 110 Closet Appearance: black,nonfibrous,homogenous Layer: 2 of 8	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 102b Cust. #: 44B Material: Green Floor Tile Location: Room 110 Closet Appearance: Layer: 3 of 8	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 102c Cust. #: 44B Material: Mastic Location: Room 110 Closet Appearance: black,nonfibrous,homogenous Layer: 4 of 8	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 102d Cust. #: 44B Material: Red Floor Tile Location: Room 110 Closet Appearance: Layer: 5 of 8	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 102e Cust. #: 44B Material: Mastic Location: Room 110 Closet Appearance: black,nonfibrous,homogenous Layer: 6 of 8	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 102f Cust. #: 44B Material: Black Floor Tile Location: Room 110 Closet Appearance: Layer: 7 of 8	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 102g Cust. #: 44B Material: Mastic Location: Room 110 Closet Appearance: black,nonfibrous,homogenous Layer: 8 of 8	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 103 Cust. #: 45A Material: 9"x9" FT- Tan w/ White/Black Streaks Location: Room 109 Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 103a Cust. #: 45A Material: Mastic Location: Room 109 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 104 Cust. #: 45B Material: 9"x9" FT- Tan w/ White/Black Streaks Location: Room 109 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 104a Cust. #: 45B Material: Mastic Location: Room 109 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 105 Cust. #: 46A Material: Cork Board Glue- White Location: Room 109 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 105a Cust. #: 46A Material: Brown Glue Pod Location: Room 109 Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 106 Cust. #: 46B Material: Cork Board Glue- White Location: Room 109 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 106a Cust. #: 46B Material: Brown Glue Pod Location: Room 109 Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 107 Cust. #: 47A Material: 12"x12" FT- Cream w/ White Streaks Location: Gym Closet Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 107a Cust. #: 47A Material: Glue Location: Gym Closet Appearance: yellow,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 107b Cust. #: 47A Material: Filler Location: Gym Closet Appearance: grey,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 108 Cust. #: 47B Material: 12"x12" FT- Cream w/ White Streaks Location: Gym North Side Appearance: white,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 108a Cust. #: 47B Material: Glue Location: Gym North Side Appearance: yellow,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 108b Cust. #: 47B Material: Filler Location: Gym North Side Appearance: grey,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 109 Cust. #: 48A Material: Tile Grout- White Location: Gym Ladies Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 110 Cust. #: 48B Material: Tile Grout- White Location: Gem Men's Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 111 Cust. #: 49A Material: Wall Tile Grout- Grey Location: Gym Ladies Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 112 Cust. #: 49B Material: Wall Tile Grout- Grey Location: Gym Ladies Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 113 Cust. #: 50A Material: Door Caulk- Tan Location: North Door Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 101490R - 114 Cust. #: 50B Material: Door Caulk- Tan Location: Middle Door Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 115 Cust. #: 51A Material: 12"x12" Worm Trails- White Location: West Stairwell Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 101490R - 116 Cust. #: 51B Material: 12"x12" Worm Trails- White Location: West Stairwell Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 101490R - 117 Cust. #: 52A Material: Window Glaze- Grey Location: West Door Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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

Robert T. Letarte Jr., Laboratory Director

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APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189
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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 118 Cust. #: 52B Material: Window Glaze- Grey Location: West Door Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 119 Cust. #: 53A Material: 9"x9" FT Brown w/ White/Dk Streaks Location: West Side 2nd Fl North End Appearance: brown, fibrous, homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 119a Cust. #: 53A Material: Mastic Location: West Side 2nd Fl North End Appearance: black, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 120 Cust. #: 53B Material: 9"x9" FT Brown w/ White/Dk Streaks Location: West Side 2nd Fl North End Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 120a Cust. #: 53B Material: Mastic Location: West Side 2nd Fl North End Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 121 Cust. #: 54A Material: Wall Tile Grout (Block)- Grey Location: West Side of North End Hallway Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 122 Cust. #: 54B Material: Wall Tile Grout (Block)- Grey Location: West Side of North End Hallway Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 123 Cust. #: 55A Material: 9"x9" FT Green w/ Black/White Streaks Location: Room 106 Appearance: green,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 123a Cust. #: 55A Material: Mastic Location: Room 106 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 124 Cust. #: 55B Material: 9"x9" FT Green w/ Black/White Streaks Location: Room 106 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 124a Cust. #: 55B Material: Mastic Location: Room 106 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 125 Cust. #: 56A Material: Window Glaze- White Location: Room 106 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 126 Cust. #: 56B Material: Window Glaze- White Location: Room 106 Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 127 Cust. #: 57A Material: Glue Pod- Brown Location: Room 107 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 128 Cust. #: 57B Material: Glue Pod- Brown Location: Room 107 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 129 Cust. #: 58A Material: Plaster Finish Coat- White Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 129a Cust. #: 58A Material: Plaster Base Coat- Grey Location: Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 130 Cust. #: 58B Material: Plaster Finish Coat- White Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 130a Cust. #: 58B Material: Plaster Base Coat- Grey Location: Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 131 Cust. #: 58C Material: Plaster Finish Coat- White Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 131a Cust. #: 58C Material: Plaster Base Coat- Grey Location: Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 132 Cust. #: 59A Material: Grout- White Location: Boy's Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 133 Cust. #: 59B Material: Grout- White Location: Boy's Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 134 Cust. #: 60A Material: Sink Undercoating- Black Location: Science Room 2nd Fl Room 203 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 135 Cust. #: 60B Material: Sink Undercoating- Black Location: Science Room 2nd Fl Room 203 Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 136 Cust. #: 61A Material: 12"x12" Floor Tile- Black Location: Room 203 Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 136a Cust. #: 61A Material: Mastic Location: Room 203 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 137 Cust. #: 61B Material: 12"x12" Floor Tile- Black Location: Room 203 Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 137a Cust. #: 61B Material: Mastic Location: Room 203 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 138 Cust. #: 62A Material: Cork Board Glue Pod- Yellow Location: Room 203 Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 139 Cust. #: 62B Material: Cork Board Glue Pod- Yellow Location: Room 203 Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 140 Cust. #: 63A Material: Curtain Divider- White Location: Library 2nd Floor Appearance: beige,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 60% Other - 40%
Lab ID #: 101490R - 140a Cust. #: 63A Material: Glue Location: Library 2nd Floor Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 141 Cust. #: 63B Material: Curtain Divider- White Location: Library 2nd Floor Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 101490R - 141a Cust. #: 63B Material: Glue Location: Library 2nd Floor Appearance: yellow, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 142 Cust. #: 64A Material: Furnace Spacer- Grey Location: Library Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 50%	Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 143 Cust. #: 64B Material: Furnace Spacer- Grey Location: Library Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 144 Cust. #: 64C Material: Furnace Spacer- Grey Location: Library Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 145 Cust. #: 65A Material: Radiator Material- White Location: Room 202 Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 146 Cust. #: 65B Material: Radiator Material- White Location: Room 202 Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 85% Other - 15%
Lab ID #: 101490R - 147 Cust. #: 65C Material: Radiator Material- White Location: Room 202 Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 85% Other - 15%
Lab ID #: 101490R - 148 Cust. #: 66A Material: Textured Paint- White Location: Nurse Office Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Brighton, MI 48116

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Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 149 Cust. #: 66B Material: Textured Paint- White Location: Nurse Office Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 150 Cust. #: 66C Material: Textured Paint- White Location: Nurse Office Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 151 Cust. #: 67A Material: 2'x4' White Smooth Ceiling Tile Location: Nurse Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Perlite - 10% Other - 10%

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

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 152 Cust. #: 67B Material: 2'x4' White Smooth Ceiling Tile Location: Middle Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Perlite - 10% Other - 10%
Lab ID #: 101490R - 153 Cust. #: 68A Material: Glue Panel- Cream Panel Location: North Wall 2nd Floor Nurse Appearance: yellow, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 101490R - 154 Cust. #: 68B Material: Glue Panel- Cream Panel Location: North Wall 2nd Floor Nurse Appearance: yellow, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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NVLAP Lab Code 102118-0

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Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 155 Cust. #: 69A Material: Cove Base- Brown Location: North Wall Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 155a Cust. #: 69A Material: Glue Location: North Wall Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 156 Cust. #: 69B Material: Cove Base- Brown Location: South Wall Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 156a Cust. #: 69B Material: Glue Location: South Wall Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 157 Cust. #: 70A Material: Floor Tile Location: West Side Nurse Office Appearance: black,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 157a Cust. #: 70A Material: Glue Location: West Side Nurse Office Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 158 Cust. #: 70B Material: Floor Tile Location: North Side Nurse Office Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 158a Cust. #: 70B Material: Glue Location: North Side Nurse Office Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 159 Cust. #: 71A Material: Stone Mortar- Grey Location: East Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 160 Cust. #: 71B Material: Stone Mortar- Grey Location: South Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 161 Cust. #: 72A Material: Window Caulk- Black Location: East Side Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 162 Cust. #: 72B Material: Window Caulk- Black Location: South Side Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 163 Cust. #: 73A Material: Stone Mortar Repair- White Location: Southeast Corner Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 164 Cust. #: 73B Material: Stone Mortar Repair- White Location: Southeast Corner Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 165 Cust. #: 74A Material: Brick Mortar- Grey Location: East Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 166 Cust. #: 74B Material: Brick Mortar- Grey Location: North Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 167 Cust. #: 75A Material: Door Caulk- Grey Location: East Side Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 101490R - 168 Cust. #: 75B Material: Door Caulk- Grey Location: East Side Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 169 Cust. #: 76A Material: 12"x12" Lt Grey w/ White/Dk Grey Location: Room 212 Middle Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 169a Cust. #: 76A Material: Mastic Location: Room 212 Middle Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 170 Cust. #: 76B Material: 12"x12" Lt Grey w/ White/Dk Grey Location: Room 212 North End Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 170a Cust. #: 76B Material: Mastic Location: Room 212 North End Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 171 Cust. #: 77A Material: Ceiling Texture- White Location: Gym West Appearance: white,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 1.75% POINT COUNT RESULT	Cellulose - 5% Other - 93.25%
Lab ID #: 101490R - 172 Cust. #: 77B Material: Ceiling Texture- White Location: Gym West Middle Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 173 Cust. #: 77C Material: Ceiling Texture- White Location: Gym West Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 174 Cust. #: 77D Material: Ceiling Texture- White Location: Gym South Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 175 Cust. #: 77E Material: Ceiling Texture- White Location: Gym South Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 176 Cust. #: 78A Material: 12"x12" FT Tan w/ White/Brown Streaks Location: Room 204 Middle Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - <1%	Other - 100%
Lab ID #: 101490R - 176a Cust. #: 78A Material: Mastic Location: Room 204 Middle Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 177 Cust. #: 78B Material: 12"x12" FT Tan w/ White/Brown Streaks Location: Room 204 Middle Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - <1%	Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 177a Cust. #: 78B Material: Mastic Location: Room 204 Middle Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 178 Cust. #: 79A Material: 9"x9" Floor Tile Tan w/ White Specks Location: Room 205 Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 178a Cust. #: 79A Material: Mastic Location: Room 205 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 179 Cust. #: 79B Material: 9"x9" Floor Tile Tan w/ White Specks Location: Room 205 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 179a Cust. #: 79B Material: Mastic Location: Room 205 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 180 Cust. #: 80A Material: Brick Mortar Interior- Grey Location: Hall Next to Room 210 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 181 Cust. #: 80B Material: Brick Mortar Interior- Grey Location: Hall Next to Room 210 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 182 Cust. #: 81A Material: Window/Door Glaze- Grey/White Location: Room 209 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 183 Cust. #: 81B Material: Window/Door Glaze- Grey/White Location: Room 210 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 184 Cust. #: 82A Material: Window Glaze- White Location: North Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 1.75% POINT COUNT RESULT	Other - 98.25%
Lab ID #: 101490R - 185 Cust. #: 82B Material: Window Glaze- White Location: East Side Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 186 Cust. #: 83A Material: Ceramic Tile Grout- Black Location: 2nd Floor Stairway 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 40 CFR - Part 763 and/or 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 as submitted 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 : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 187 Cust. #: 83B Material: Ceramic Tile Grout- Black Location: 2nd Floor Stairway Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 188 Cust. #: 84A Material: 9"x9" FT Green w/ White/Black Streaks Location: Room 206 Appearance: green,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 10%	Other - 90%
Lab ID #: 101490R - 188a Cust. #: 84A Material: Mastic Location: Room 206 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.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 189 Cust. #: 84B Material: 9"x9" FT Green w/ White/Black Streaks Location: Room 206 Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 189a Cust. #: 84B Material: Mastic Location: Room 206 Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 190 Cust. #: 85A Material: Stone Exterior Mortar- Grey Location: East Side Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%

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

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 191 Cust. #: 85B Material: Stone Exterior Mortar- Grey Location: East Side Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 192 Cust. #: 86A Material: Brick Mortar Exterior- Grey Location: Locker Room Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 193 Cust. #: 86B Material: Brick Mortar Exterior- Grey Location: Locker Room 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

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Project : 6021 Whittier
Project # : 4-11685

Report To:

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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 194 Cust. #: 87A Material: Expansion Joint- Pink Location: East Side Appearance: grey, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 101490R - 195 Cust. #: 87B Material: Expansion Joint- Pink Location: East Side Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 101490R - 196 Cust. #: 88A Material: Stone Mortar- Grey Location: Gym Exterior East Side 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

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 197 Cust. #: 88B Material: Stone Mortar- Grey Location: Gym Exterior North Side Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 198 Cust. #: 89A Material: Window Caulk- Black Location: East Side- North End Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 199 Cust. #: 89B Material: Window Caulk- Black Location: East Side- North End Appearance: black,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

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Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 200 Cust. #: 90A Material: Brick Mortar- Grey Location: Exterior North Addition Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 201 Cust. #: 90B Material: Brick Mortar- Grey Location: Exterior North Addition Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 202 Cust. #: 91A Material: Stone Mortar- Grey Location: Exterior North Side Addition 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

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 6021 Whittier
Project # : 4-11685

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101490
Date Collected: 09/20/22
Date Received: 10/03/22
Date Analyzed: 10/05/22
Date Reported: 10/06/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101490R - 203 Cust. #: 91B Material: Stone Mortar- Grey Location: Exterior North Side Addition Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101490R - 204 Cust. #: 92A Material: Stone Mortar- Grey Location: Entrance North Side Appearance: Layer: of	Asbestos Present: NO SAMPLE RECEIVED	
Lab ID #: 101490R - 205 Cust. #: 92B Material: Stone Mortar- Grey Location: Entrance North Side Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 1.50% POINT COUNT RESULT	Other - 98.50%

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

Robert T. Letarte Jr., Laboratory Director

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101490

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Turn Around Time: (circle one)***Terms and conditions on the other side.

Rush 24 hour
 48 hour 72 hour
 Other: _____ TTP yes / no
 (Test Till Positive)

Samples received after 3pm
 logged in next morning

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____

Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____

Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____

TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Date of Survey: 9-20-2022

Project: 6021 Whittier

Project # 4-11685

Contact Person: Jill Tinsley

Email: jtinsley@asti-env.com

Circle analyses required, indicate type and quantity

Lab Use Only

Log-In: _____

Report: _____

Fax: _____

Verbal: _____

Email: _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Boiler insulation - white / North			
	1B	↓ / South			
	1C	↓ / East			
	2A	Pipe joint insulation - white / Basement			
	2B	↓			
	2C	↓			
	3A	pipe insulation - white + brown / Basement			
	3B	↓ / Cafeteria			
	4A	window glaze - gray / Basement			
	4B	↓			
	5A	Window glaze - gray / Basement			
	5B	↓ / Cafeteria			

Relinquished By: J. Tinsley

Date: 10.1.2022

Revision R5 Date: Nov/2017

Received By: RECEIVED

Time/Date: OCT 03 2022

BL 0300
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Relinquished By: _____

Date: _____

Received By: _____

Time/Date: _____

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9-20-2022
 Project: 6021 Whitier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush 24 hour **Asbestos:** Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no **Mold:** Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
Samples received after 3pm logged in next morning (Test Till Positive) **TEM:** Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	6A	Block mortar - Gray / Basement			
	6B	↓			
	7A	Flashing - Black / East parapet wall roof			
	7B	↓ / North parapet wall roof			
	8A	Flashing - Black / North wall roof			
	8B	↓ / East wall roof			
	9A	Flashing - Black / North top edge roof			
	9B	↓ / West top edge roof			
	10A	Crewk - Gray / North roof			
	10B	↓ / Middle roof			
	11A	Roll roofing - Black / East roof			
	11B	↓ / North roof			

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 Date: 10.17.2022
 Revision R5 Date: Nov/2017

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 Time/Date: OCT 03 2022

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9-20-2022
 Project: 6021 Whittier
 Project #: 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one)***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush 24 hour **Asbestos:** Bulk Wipe _____ Point Count _____ PCM _____
 48 hour **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no **Mold:** Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
Samples received after 3pm logged in next morning (Test Till Positive) **TEM:** Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	12A	Duct Wrap - Beige / 2nd Floor - roof access			
	12B	↓ / 1st floor			
	12C	↓ / ↓			
	13A	9"x9" Floor tile ^{Checker Board} Green/Brown / Cafeteria middle			
	13B	↓ / Cafeteria south			
	14A	9"x9" Floor tile Dark Brown / North side			
	14B	↓ / South side			
	15A	Covebase - Brown / west side kitchen closet			
	15B	↓			
	16A	9"x9" Red + Brown Floor tile / North side Kitchen			
	16B	↓ / South side Kitchen			
	17A	Ceramic tile Grout - Gray / Kitchen			

Relinquished By: J. Tinsley
 Date: 10.1.2022
 Revision R5 Date: Nov/2017

Received By: **RECEIVED**
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Customer Name: ASTI Environmental
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 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9-20-2022
 Project: 602F Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

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 Log-In: _____
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 Email: _____

Turn Around Time: (circle one) **72 hour** ***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour _____ 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes no Mold: Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 Samples received after 3pm logged in next morning (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	17B	ceramic tile Grout - Gray / Kitchen			
	18A	^{boards} 16"x18" floor tile - Brown / north side Cafeteria			
	18B	↓ / south side Cafeteria			
	19A	Sink undercoating - Black / kitchen sink			
	19B	↓			
	20A	12"x12" white ceiling tile + ^{dark brown} glue + pad / cafeteria			
	20B	↓ / 1st floor hallway			
	21A	Caulk/Grout - white / Men's Faculty Restroom 1st Fl			
	21B	↓			
	22A	Plaster - white over gray // 1st Fl Janitor closet			
	22B	↓			
	22C	↓ / office			

Relinquished By: J. Tinsley
 Date: 10.1.2022

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Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9.20.2022
Project: 6021 Whittier
Project # 4-11685
Contact Person: Jill Tinsley
Email: jtinsley@asti-env.com

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Log-In:
Report:
Fax:
Verbal:
Email:

Turn Around Time: (circle one) Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush 24 hour Asbestos: Bulk X Wipe Point Count PCM
48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO Air Paint Bulk
Other: TTP yes / no Mold: Bulk Air/Zefon/AlergencoD BioSIS Tape
Samples received after 3pm logged in next morning TEM: Bulk/NOB NIOSH 7402 EPA Level II Other

Table with 6 columns: Lab ID, Customer ID #, Material/Location, Volume, Area, Results. Contains handwritten entries for various samples like 22D, 22E, 22F, 22G, 23A, 23B, 24A, 24B, 25A, 25B, 26A, 26B.

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Date: 10.1.2022
Revision R5 Date: Nov/2017

Received By:
Time/Date: OCT 03 2022

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Date:

Received By:
Time/Date:

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800
 Turn Around Time: (circle one) 72 hour ***Terms and conditions on the other side.

Date of Survey: 9-20-2022
 Project: 6021 Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Rush 24 hour **Asbestos:** Bulk Wipe _____ Point Count _____ PCM _____
 48 hour **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP / no **Mold:** Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) **TEM:** Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	27A	Covebase - Black INORM side room	102		
	27B	↓			
	28A	Cork Board - Brown + Chocolate Brown Glue Pad	Room 102		
	28B	↓			
	29A	12' x 12' SCT - White w/trim + dots / 1st Floor Classroom 101			
	29B	↓ / Hallway			
	30A	Drywall + jc - white / Room 101			
	30B	↓			
	31A	Covebase - chocolate Brown / Room 101			
	31B	↓			
	32A	Carpet glue - yellow / Room 101			
	32B	↓			

Relinquished By: J. Tinsley
 Date: 10.11.2022

Received By: **RECEIVED**
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BL 0800
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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800
 Turn Around Time: (circle one) 72 ***Terms and conditions on the other side.

Date of Survey: 9.20.2022
 Project: 6021 Whitflier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Circle analyses required, indicate type and quantity

Rush 24 hour **Asbestos:** Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ **Mold:** Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) **TEM:** Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	33A	Covebase - Gray / 1st floor office east side			
	33B	↓ / 1st floor office west side			
	34A	Window glaze - white / 112 Classroom west side			
	34B	↓			
	35A	9"x9" floor tile Tan with white streaks / Classroom 112			
	35B	↓			
	36A	Plaster white over gray / Room 112			
	36B	↓ / Room 112			
	36C	/ Room 104			
	36D	/ Room 105			
	36E	/ Room 105			
	36F	↓ / Room 204			

Relinquished By: J. Tinsley
 Date: 10.1.2022
 Revision R5 Date: Nov/2017

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 Time/Date: OCT 03 2022

Relinquished By: _____
 Date: _____

Received By: _____
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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9.20.2022
 Project: 6021 Whitier
 Project #: 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush _____ 24 hour _____ **Asbestos:** Bulk Wipe _____ Point Count _____ PCM _____
 48 hour _____ **72 hour** _____ **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP (yes) / no _____ **Mold:** Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 Samples received after 3pm logged in next morning (Test Till Positive) _____ **TEM:** Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	36G	Plaster white overgray / Room 211			
	37A	9"x9" Floor tile Tan with white specks / Room 104			
	37B	↓			
	38A	12"x12" floor tile - orangish/brown / 1st Floor Hallway north side			
	38B	↓ / 1st floor hallway south side			
	39A	Wall tile Grout - Gray / 1st Floor Hallway			
	39B	↓ / Gym			
	40A	9"x9" Floor tile - black + brown / Room 105 north side			
	40B	↓			
	41A	Pipe insulation - Brown / Room 111			
	41B	↓			
	41C	↓			

Relinquished By: J. Tinsley
 Date: 10.1.2022

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800
 Turn Around Time: (circle one) 72 hour ***Terms and conditions on the other side.

Date of Survey: 9.20.2022
 Project: 6021 Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Rush 24 hour **Asbestos:** Bulk Wipe _____ Point Count _____ PCM _____
 48 hour **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no **Mold:** Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) **TEM:** Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	42A	6" Black ceramic corebase / Room 111			
	42B	↓			
	43A	12"x12" Tan with white, tan + brown speckles / Room 110 North side			
	43B	↓ / Room 110 south side			
	44A	9"x9" Floor tile - Gray, Green, red/rose, Black / Room 110 closet			
	44B	↓			
	45A	9"x9" floor tile - Tan with white + Blue streaks / Room 109			
	45B	↓			
	46A	Cork board glue - ^{white +} Brown / Room 109			
	46B	↓			
	47A	12"x12" Floor tile Cream with white streaks / Gym closet			
	47B	↓ / Gym North side			

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 Date: 10.6.2022
 Revision R5 Date: Nov/2017

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9.20.2002
 Project: 6021 Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush 24 hour Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no (Test Till Positive) Mold: Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 Samples received after 3pm logged in next morning TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	48A	Tile Grout - white / Gym Ladies			
	48B	↓ / Gym men's			
	49A	Wall tile Grout - Gray / Gym Ladies			
	49B	↓			
	50A	Door Caulk - TAN / North Door			
	50B	↓ / Middle Door			
	51A	12"x12" worm trails - white / west stairwell			
	51B	↓			
	52A	Window glaze - Gray / west Door			
	52B	↓			
	53A	9"x9" Floor tile Brown with white, dark streaks / west side 2nd F / north end			
	53B	↓			

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9.20.2022
 Project: 6021 Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

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Turn Around Time: (circle one) ***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush 24 hour **Asbestos:** Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ **Mold:** Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
Samples received after 3pm logged in next morning **TEM:** Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
(Test Till Positive)

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	54A	Wall tile Grout (Block)-Gray / west side of north end hallway			
	54B	↓			
	55A	9"x9" floor tile green w/ blacks + white streaks / Room 106			
	55B	↓ / Room 107			
	56A	Window glaze - white / Room 106			
	56B	↓			
	57A	Blue Pod - Brown / Room 107			
	57B	↓			
	58A	Plaster - white over gray / Boys			
	58B	↓ / Boys			
	58C	↓ / Girls			
	59A	Grout - white / Boy's			

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9.21.2022
 Project: ~~XXXXXXXXXX~~ 6021 Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) 24 hour Terms and conditions on the other side.

Rush 24 hour Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	59B	Grout - white / Boy's			
	60A	Sink undercoat - Black - Science Room 2nd Fl ^{Room} 203			
	60B	↓			
	61A	12" x 12" FT - Black / Room 203			
	61B	↓			
	62A	Cork Board gluepad - yellow / Room 203			
	62B	↓			
	63A	Curtian Divider - white / Library 2nd floor			
	63B	↓			
	64A	Furniture, spacer - Gray / Library			
	64B	↓			
	64C	↓			

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9.21.2022
 Project: 6021 Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush 24 hour **Asbestos:** Bulk Wipe Point Count PCM
 48 hour 72 hour **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO Air Paint Bulk
 Other: _____ TTP yes / no **Mold:** Bulk Air/Zefon/AlergencoD BioSIS Tape
 Samples received after 3pm (Test Till Positive) **TEM:** Bulk/NOB NIOSH 7402 EPA Level II Other
 logged in next morning

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	65A	Radiator Material - white / Room 202			
	65B	↓			
	65C	↓			
	66A	Textured Paint - white / Nurse office			
	66B	↓			
	66C	↓			
	67A	2'x4' white smooth ceiling tile / Nurse			
	67B	↓ / middle			
	68A	Blue Panel - cream Panel / North wall		2nd floor Nurse	
	68B	↓			
	69A	Corobase - brown - North wall			
	69B	↓ south wall			

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Relinquished By: J. Tinsley
 Date: 10.1.2022

Received By: _____
 Time/Date: OCT 03 2022
DL 0800

Relinquished By: _____
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Received By: _____
 Time/Date: _____

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Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) Terms and conditions on the other side.

Date of Survey: 9.21.2022
Project: 6021 Whittier
Project #: 4-11685
Contact Person: Jill Tinsley
Email: jtinsley@asti-env.com

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Circle analyses required, indicate type and quantity

Rush 24 hour Asbestos: Bulk [X] Wipe Point Count PCM
48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO Air Paint Bulk
Other: TTP yes/no Mold: Bulk Air/Zefon/AlergencoD BioSIS Tape
Samples received after 3pm logged in next morning (Test Fill Positive) TEM: Bulk/NOB NIOSH 7402 EPA Level II Other

Table with 5 columns: Lab ID, Customer ID #, Material/Location, Volume, Area, Results. Contains handwritten entries for various samples like Floor tile, stone mortar, window caulk, brick mortar, and door caulk.

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Date: 10.1.2022

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Time/Date: OCT 03 2022
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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9.21.2022
 Project: 6021 Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour _____ 72 hour _____ Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP (yes) / no _____ Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Circle analyses required, indicate type and quantity

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	76A	12" x 12" Light gray with white + dark gray streaks / Room 212 middle			
	76B	↓ / Room 212 North end			
	77A	Ceiling texture - white / Gym West			
	77B	↓ / Gym west middle			
	77C	↓ / Gym West			
	77D	↓ / Gym South			
	77E	↓ / Gym South			
	78A	12" x 12" Floor tile Tan with white + brown streaks / Room 204 middle			
	78B	↓ / Room 204 East			
	79A	9" x 9" floor tile Tan with white specks / Room 205			
	79B	↓			
	80A	Brick mortar interior - Gray / Hall next to Room 210			

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 Time/Date: OCT 03 2022

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush 24 hour

48 hour 72 hour

Other: _____ TTP yes / no

Samples received after 3pm
 logged in next morning (Test Till Positive)

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____

Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____

Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____

TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Date of Survey: 9.21.2022

Project: 6021 Whittier

Project # 4-11685

Contact Person: Jill Tinsley

Email: jtinsley@asti-env.com

Circle analyses required, indicate type and quantity

Lab Use Only

Log-In: _____

Report: _____

Fax: _____

Verbal: _____

Email: _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	80B	Brck mortar interior - Gray / Hall next to Room 210			
	81A	Window + door glaze - gray/white / Room	209		
	81B	↓ / Room 210			
	82A	Window glaze - white / North			
	82B	↓ / East side			
	83A	Ceramic tile Grout - Black / 2nd Floor stairway			
	83B	↓			
	84A	9"x9" floor tile Green w/wh white + Black streaks / Room 206			
	84B	↓			
	85A	Stone ^{Exterior} Mortar - Gray / East side			
	85B	↓			
	86A	Brck mortar ^{Exterior} Gray / Locker room			

Relinquished By: J. Tinsley

Date: 10.1.2022

Revision R5 Date: Nov/2017

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Customer Name: ASTI Environmental
 Address: 10448 Citation Drive
 City, St., Zip: Brighton, Michigan 48116
 Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9.21.2022
 Project: 6021 Whittier
 Project # 4-11685
 Contact Person: Jill Tinsley
 Email: jtinsley@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Turn Around Time: (circle one) 24 hour Terms and conditions on the other side.

Rush 24 hour
 48 hour 72 hour
 Other: _____ TTP yes / no
Samples received after 3pm logged in next morning
(Test Till Positive)

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Mold: Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Circle analyses required, indicate type and quantity

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	86B	Brick mortar - exterior - Gray / Locker Room			
	87A	Expansion joint - Pink / East side			
	87B	↓			
	88A	stone mortar - Gray / Gym exterior East side			
	88B	↓ / Gym exterior North side			
	89A	Window caulk - Black / East side - north end			
	89B	↓			
	90A	Brick mortar - Gray / Exterior North addition			
	90B	↓			
	91A	Stone mortar - Gray / Exterior north side addition			
	91B	↓			
	92A	Stone mortar - Gray / Entrance North side			
	92B	Stone mortar - Gray / Entrance North side			

Relinquished By: J. Tinsley
 Date: 10.1.2022

Received By: RECEIVED
 Time/Date: _____

Relinquished By: _____
 Date: _____

Received By: _____
 Time/Date: _____

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : St. Matthews
Project # : 4-11685

Report To:

Mr. Lathan Saperstein / Mr. Dave Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101439
Date Collected: 09/24/22
Date Received: 09/27/22
Date Analyzed: 09/28/22
Date Reported: 09/30/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101439 - 01 Cust. #: 93A Material: Brick Mortar, Grey Location: Locker Room, Exterior Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101439 - 02 Cust. #: 93B Material: Brick Mortar, Grey Location: Locker Room, Exterior Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 101439 - 03 Cust. #: 94A Material: Window Glaze, Black Location: Locker Room, Exterior 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.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or 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 as submitted 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 : St. Matthews
Project # : 4-11685

Report To:

Mr. Lathan Saperstein / Mr. Dave Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 22-101439
Date Collected: 09/24/22
Date Received: 09/27/22
Date Analyzed: 09/28/22
Date Reported: 09/30/22

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 101439 - 04 Cust. #: 94B Material: Window Glaze, Black Location: Locker Room, Exterior 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.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or 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 as submitted 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.



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Customer Name: **A.S.T.I. Environmental**

Address: **10448 Citation Dr. Ste 100**

City, St., Zip: **Brighton, MI 48116**

Phone: **(810) 599-6701** Fax: **(810) 225-3800**

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Date of Survey: ~~July~~, 2022 9/24/22

Project: St. Matthews

Project # ~~2-11430~~ 4-11685

Contact Person: **Lathan Saperstein / Dave Amir**
LSaperstein@asti-env.com/DAmir@asti-env.com

Circle analyses required, indicate type and quantity

Lab Use Only

Log-In: _____

Report: _____

Fax: _____

Verbal: _____

Email: _____

Rush _____ 24 hour _____

48 hour _____ **72 hour** _____

Other: _____ TTP **yes** / no

Samples received after 3pm logged in next morning (Test Till Positive)

Asbestos: Bulk Wipe _____ Point Count _____ PCM _____

Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____

Mold: Bulk _____ Air/Zefon/AlergenCO _____ BioSIS _____ Tape _____

TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	92 A	Mortar, North Addition			
	92 B	" " "			
	93 A	Brick mortar, Locker Room, Exterior, Grey			
	93 B	" " "			
	94 A	Window Glaz, Locker Room, Exterior, Black			
	94 B	" " "			

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Date: 9/26/22

Revision R5 Date: Nov/2017

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Time/Date: APEX RESEARCH

1520

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Appendix C

Photo Log

PHOTO LOG

6021 Whittier Street, Detroit, Michigan



Photo 1. A view of the front of 5959 Whittier, Detroit



Photo 2. A view of the side of 5959 Whittier, Detroit

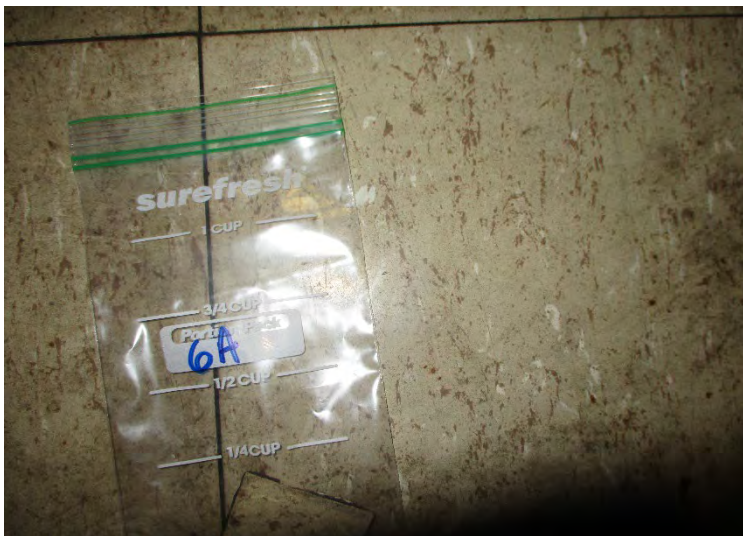


Photo 3. A view of asbestos-containing 9"x9" Floor tile in the 1st and 2nd floor hallways of 5959 Whittier building

PHOTO LOG

6021 Whittier Street, Detroit, Michigan



Photo 4. A view of asbestos-containing 9"x9" Floor tile in the 1st and 2nd floor classrooms in 5959 Whittier building



Photo 5. A view of asbestos-containing window glaze



Photo 6. A view of asbestos-containing floor tile beneath carpet in the 5959 Whittier office

PHOTO LOG

6021 Whittier Street, Detroit, Michigan



Photo 7. A view of asbestos-containing sink undercoating in the kitchen of 5959 Whittier.



Photo 8. A view of asbestos-containing window caulk on 1st and 2nd floor hallway windows (between hallway and classrooms)

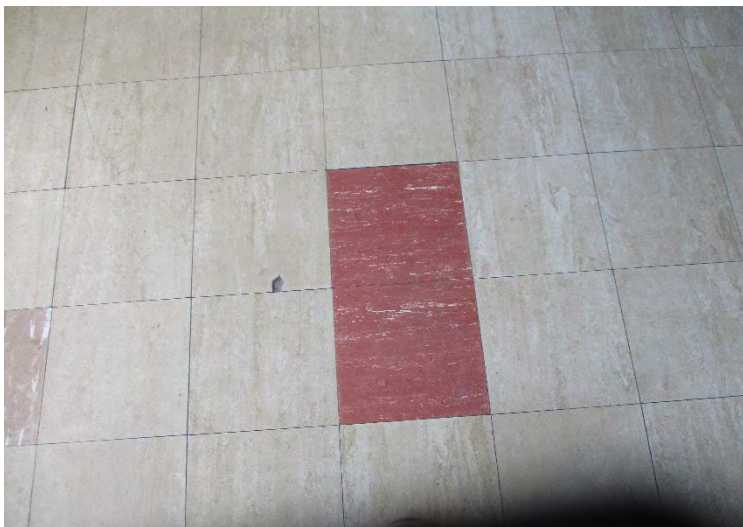


Photo 9. A view of asbestos-containing floor tile in the 5959 Whittier 2nd floor classroom 205

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Photo 10. A view of assumed asbestos-containing safe in the 5959 Whittier office



Photo 11. A view of the east side of 5970 Audubon, Detroit



Photo 12. A view of asbestos-containing pipe wrap and mud-joint insulation in the 5970 Audubon building

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Photo 13. A view of asbestos-containing flashing



Photo 14. A view of asbestos-containing 9"x9" floor tile in the Cafeteria in the 5970 Audubon building



Photo 15. A view of asbestos-containing 9"x9" floor tile in the Kitchen closet in the 5970 Audubon building

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Photo 16. A view of asbestos-containing cove-base in the kitchen closet in the 5970 Audubon building



Photo 17. A view of asbestos-containing 9"x9" floor tile in the kitchen in the 5970 Audubon building



Photo 18. A view of asbestos-containing 16"x18" border floor tile in the kitchen in the 5970 Audubon building

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Photo 19. A view of asbestos-containing sink undercoating



Photo 20. A view of asbestos-containing 9"x9" floor tile in the hallway



Photo 21. A view of asbestos-containing 12"x4" floor tile border in the hallway

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Photo 22. A view of asbestos-containing 9"x9" floor tile in room 102



Photo 23. A view of asbestos-containing cove-base in classroom 102



Photo 24. A view of asbestos-containing 9"x9" floor tile in room 112

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Photo 25. A view of asbestos-containing 9"x9" floor tile in room 104



Photo 26. A view of asbestos-containing 9"x9" floor tile beneath carpet in room 105



Photo 27. A view of asbestos-containing interior Gym door caulk

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Photo 28. A view of asbestos-containing window glaze on the west stairway door



Photo 29. A view of asbestos-containing 9"x9" floor tile in north end hallways



Photo 30.

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Photo 31. A view of asbestos-containing window glaze



Photo 32. View of Radiator



Photo 33. A view of asbestos-containing radiator spacer

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Photo 34. A view of asbestos-containing radiator spacer out of casing and radiator

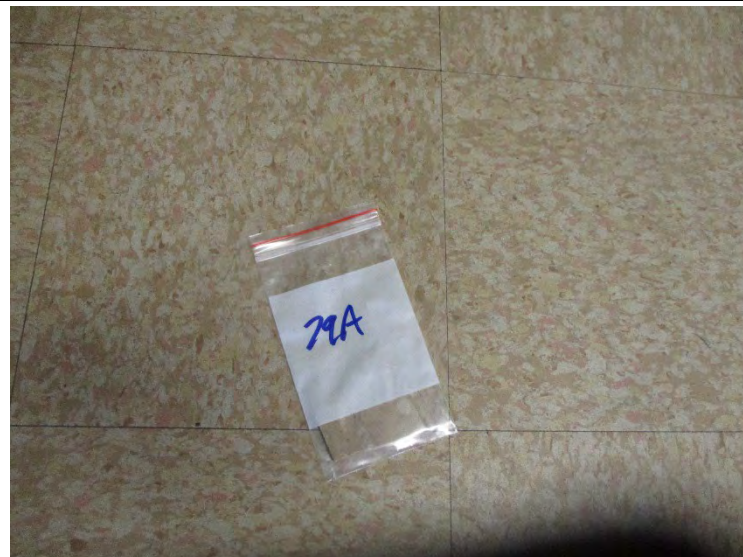


Photo 35. A view of asbestos-containing 9"x9" floor tile in classroom 205



Photo 36. A view of asbestos-containing stone mortar

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