

Pre-Renovation Building Inspection for Asbestos-Containing Materials

**Fourth and Walnut Centre
105 E. 4th Street
Cincinnati, Ohio**

Report by

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The details provided within this report outline the inspection activities on the date(s) indicated and should not be relied upon to represent conditions at a significantly later date. The laboratory results contained in this report apply specifically to the materials in which samples were collected. The results do not include or apply to any other materials within the structure that were not sampled but may contain asbestos; including materials that may be hidden or inaccessible. Additional inspection and sampling activities would be required to determine if any other materials are discovered and suspected to contain asbestos.

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1 BACKGROUND

Green City Demolition was contracted to conduct a limited pre-renovation asbestos survey of the 4th and Walnut Center building located at 105 East 4th Street in Cincinnati, Ohio 45202 (Project Site).

The purpose of the services was to identify, quantify, and evaluate any regulated asbestos containing materials (RACM), as well as any other materials that contain asbestos, within or on the building prior to the renovation of the structure and to make the appropriate recommendations for action prior to complete “white box” demolition during the renovation process.

Several prior, limited asbestos inspections were available and were referenced at the time of the survey.



2 INTRODUCTION

The Clean Air Act (CAA) of 1970 required the EPA to develop and enforce regulations to protect the general public from exposure to airborne contaminants that are known to be hazardous to human health; therefore, EPA promulgated the National Emission Standards for Hazardous Air Pollutants (NESHAP) (Title 40, CFR Part 61) on April 6, 1973. NESHAP is intended to minimize the release of asbestos fibers during certain activities (i.e., renovations, demolition, and installations). It specifies work practices to be followed during renovations of buildings (except apartment buildings that have no more than four dwelling units), which contain a specific amount of friable asbestos.

NESHAP requires that buildings be inspected for asbestos containing materials (ACM) prior to demolition. ACM are defined those materials as containing greater than one percent (1%) asbestos. NESHAP requires that regulated asbestos containing materials (RACM) be removed prior to renovation or demolition.

RACM are defined as:

- Friable asbestos material,
- Category I non-friable ACM that has become friable, or
- Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Category I non-friable materials include resilient floor covering, roofing products, gaskets, and packing. Category II non-friable materials consist of all other materials such as transite, drywall, and plaster.

NESHAP also requires owners and operators subject to the asbestos rules to notify delegated state and local agencies and/or the regional EPA offices before demolition or renovation activities begin. The EPA-delegated local agency for this property is the Southwest Ohio Air Quality Agency.

The State of Ohio Environmental Protection Agency (Ohio EPA) regulates asbestos activities within the state. Professionals performing asbestos related activities must be certified/licensed by Ohio EPA. Ohio EPA must be notified prior to removal of friable asbestos in amounts exceeding 50 square feet or 50 linear feet and/or RACM in amounts exceeding 160 square feet or 260 linear feet.

The Occupational Safety and Health Administration (OSHA) governs all work with potential exposures to building materials containing any amount of asbestos regardless of its EPA classification.



3 PROPERTY INFORMATION

The property (105 East 4th Street) is subdivided into three contiguous buildings identified as Buildings A, B, and C, each having different years of construction.



**Pre-Renovation Building Inspection for
Asbestos-Containing Materials
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105 E 4th Street, Cincinnati, Ohio**



Site Address	105 East 4th Street Cincinnati, Ohio
Auditor's Parcel ID Numbers	083-0001-0197-00
Years Built	Building A : 1903 Building B : 1937 Building C : 1963
Site Owner	Supreme Bright Cincinnati LLC 700 State Highway 121, Suite 175 Lewisville, TX 75067
Affected Area	Building A : 252,896 square feet Building B : 26,656 square feet Building C : 133,566 square feet
Construction Type	Concrete cast in place with brick veneer
Number of Floors	Building A : Level 00 (Basement), Level 1a Ground (Lobby), Levels 1b through 19, Penthouse Building B : Level 00 (Storage), Level 1a Ground (Garage), Levels 1b through 4 Building C : Level 00 (Basement), Level 1a Ground, Levels 1b through 6



4 SAMPLING AND ANALYTICAL METHODS

Ohio-Certified Asbestos Hazard Evaluation Specialists Fred Wolnitzek (ES35981), Ken Lee (ES35910) and Kari Brown (ES36235) conducted the asbestos survey on June 27, 28, 29 and July 2, 3, and 16, 2018. Sampling locations of bulk samples are documented on the Asbestos Bulk Sampling Log in Appendix A.

Protocols prescribed by EPA in the Asbestos Hazard Emergency Response Act (40 CFR 763) were used to identify, quantify, evaluate and sample suspected asbestos containing building materials. Due to the unique nature of the project, several methods of asbestos sampling and analysis were used to identify the presence of asbestos in the structure. A simplified sampling scheme was used where feasible. Where not feasible, samples were collected in a “worst case” location, such as directly under openings in the ceiling or under process piping and tanks.

Representative samples of suspect ACM were collected and sealed in airtight containers, labeled, and delivered to CEI Labs in Cary, North Carolina, a NVLAP-accredited laboratory (No. 101768-0), for analysis by Polarized Light Microscopy (PLM), coupled with dispersion staining (EPA/600/R-93/116). CEI Labs is also fully accredited by NVLAP for Airborne Asbestos Fiber Analysis (TEM) and Bulk Asbestos Fiber Analysis (PLM).

PLM with visual estimation methodology is often an effective way to determine if asbestos is present in building materials and can be credibly used to define (under the NESHAP regulations) whether a material is asbestos containing. However, the visual estimation method is only an approximation (by the laboratory analyst) of the asbestos content and can result in an over estimation, or under estimation, of the asbestos concentration.

In cases where a concentration of asbestos in a bulk sample was found to be less than ten percent by visual estimation, NESHAP allows two choices to be made: 1) assume the sampled material is ACM, or 2) conduct a more precise method of determining asbestos concentration using point-counting procedures with PLM. Samples of plaster in Building A were found to contain less than one percent asbestos using PLM with visual estimation. In addition, drywall and joint compound samples were composited according to EPA guidance and were also found to contain less one percent asbestos.

During the course of the asbestos survey, duplicate samples were collected at a ratio of one duplicate for every twenty samples or fraction thereof. With the exception of duplicate 24-D, the results of duplicate analyses matched the results of the corresponding paired sample. In the case of duplicate 24-D, the layer of material which contained asbestos in the paired sample was not present duplicate 24-D (per the laboratory description of the sample).



5 SAMPLE RESULTS

The pre-renovation asbestos inspection identified the following asbestos containing materials:

- Floor tile mastic, black
- Joint compound, white
- Floor tile, brown
- Floor tile, white, and mastic, black
- Floor tile, gray, and mastic, black
- Pipe insulation, 6" to 8", vertical water lines, gray
- Floor tile, 9"x9", white
- Floor tile, 9"x9", green
- Floor tile, 9"x9", maroon
- Floor tile, 9"x9", white, textured
- Floor tile, 9"x9", dark green
- Floor tile, 9"x9", tan
- Floor tile, 9"x9", brown
- Floor tile, 9"x9", black
- Floor tile, 9"x9", gray
- Floor tile, 9"x9", cream
- Floor tile, 9"x9", light brown
- Floor tile, 9"x9", dark brown
- Floor tile, 9"x9", beige, and mastic
- Mastic, duct, black
- Mirror mastic
- Floor tile, 9"x9", cork pattern
- Rope fire stop
- Window glazing
- Floor tile, 9"x9", black with white streaks
- Spray on fire proofing, beige
- TSI insulation, breeching, powder and fibrous, white and gray
- TSI pipe insulation, 12"-8", powder and fibrous, gray
- Hard fittings, powder and fibrous, gray
- TSI insulation, cementitious material, fibrous, tan
- TSI insulation, powder and fibrous, gray
- Rope gasket, white and gray
- Gasket material, gray and silver
- TSI pipe insulation, powder and fibrous, white
- TSI pipe insulation, cellulose, tan and gray
- TSI duct insulation, powder and fibrous, gray
- Caulk, brittle, gray
- Floor tile mastic, brown
- Duct sealer, gray



The Summary of ACM/Non-ACM summarizes the homogeneous areas identified for the renovation areas and components included in this inspection. The Summary includes the location of the material, indicates whether the material is ACM or non-ACM, the NESHAP Category of the respective ACM, and the approximate quantities of ACM. The ACM quantities are estimates and not intended for firm budgeting or negotiation. See Appendix A.

The laboratory analytical reports and chain-of-custody forms are included in Appendix B.



6 DISCUSSION AND RECOMMENDATIONS

The survey identified the following friable ACM that must be removed prior to renovation in the event that they are disturbed:

Material	Location	Quantity
Pipe insulation, 6" to 8", vertical lines, gray	Throughout buildings A, B, and C	9,800 linear feet
Spray-on fireproofing, beige	Building C garage ceiling	19,250 square feet
Boiler breeching	Basement boiler room	1,500 square feet
Pipe insulation, 12" to 18"	Basement boiler room	700 square feet
Hard pipe fittings, 3" to 6" lines	Basement boiler room	100 square feet
Cementitious boiler insulation	Basement boiler room	50 square feet
Steam drum insulation	Basement boiler room	240 square feet
Pipe insulation, 3" to 6" pipes, white	Basement boiler room and throughout basement	600 linear feet
Pipe insulation, 3" to 6" pipes, tan and grey	Basement boiler room and throughout basement	500 linear feet
Duct insulation	Basement boiler room, maintenance storage, and air handler room	1,600 square feet
Caulk, brittle, grey	Basement filter room (fan room)	200 linear feet
Surfacing insulation, gray	Basement old coal boiler exterior	720 square feet
Internal boiler components	Basement old coal boiler interior	100 square feet



Also, any of the following Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading must be removed prior to renovation:

Material	Location	Quantity
12"x 12" brown floor tile, white floor tile and mastic, and grey floor tile and mastic. Multiple layers.	Throughout Building A	800 square feet
9"x9" floor tile, various color schemes	Throughout Building A, all 9"x9" tiles	92,800 square feet
9"x9" beige floor tile with black mastic	Building C, floor 6	6,000 square feet
9"x9" cork pattern floor tile	Building B, ground floor	1,000 square feet
Rope gasket, white and grey	Basement, coal furnace seams	200 linear feet
Gasket material, grey and silver	Basement, outer side of coal boiler	16 square feet
Pipe gaskets	Basement, throughout	50 square feet
Internal chiller components	Basement	100 square feet

In addition, any of the following Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations must be removed prior to renovation:

Material	Location	Quantity
Black mastic under 12"x 12" black floor tile with white specks	Building A, Ground Floor, Snappy Tomato Suite	100 square feet
Black mastic under 12"x 12" beige mottled floor	Building A, Ground Floor, Snappy Tomato Suite	350 square feet
Black duct mastic	Building C, floor 5 and garage mechanical rooms	100 square feet
Mirror mastic	Throughout buildings A, B, and C	60 square feet (80 mirrors)
Rope fire stop	Building C, garage mechanical room	10 linear feet
Window glazing	Light court roof old metal windows	4,420 linear feet (85 windows)



Material	Location	Quantity
Black mastic under 12"x 12" pink and yellow floor tile	Building A, Ground Floor, Former Red Squirrel Suite	3,900 square feet
Brown mastic under 12"x 12" white floor tile with grey streaks	Basement maintenance office	276 square feet
Duct sealant	Basement, Veolia northwest shared area	25 square feet

Given the extent of the proposed renovation (i.e. "white box" demolition), removal of all asbestos-containing materials that will or may be disturbed is recommended. All asbestos hazard abatement must be performed by a competent, licensed asbestos abatement contractor under the direction of a licensed supervisor. Due to the likelihood that additional asbestos will be uncovered during demolition, it is recommended that an asbestos contractor be readily available to perform asbestos abatement as suspected asbestos is discovered to minimize downtime.

In addition, removal of drywall systems and plaster that were found to contain trace amounts of asbestos (less than 1%) must be performed by a contractor who follows OSHA guidance for handling and removal of such materials. This includes, but is not limited to, utilizing wet removal methods, prompt cleanup of debris, and disposal in leak-tight containers. Air monitoring of employee exposures to asbestos is also required. Additional safety procedures may be necessary based on the air monitoring results.



7 APPENDICES

APPENDIX A: SUMMARY OF ACM / NON-ACM



Summary of ACM / Non-ACM
 4th and Walnut Center
 105 E. 4th Street
 Cincinnati, Ohio 45202

Hom. Area ID	Homogeneous Area (Material Description)	Location(s)	Asbestos Determination	NESHAP Category	Approx. Quantity	Additional Information
1	Ceiling tile, 2'x4', drywall fine texture	Snappy Tomato Suite	Non-ACM	--	--	--
2	Floor tile, 12"x12", black with white specks, and mastic	Snappy Tomato Suite	ACM	Category II Non-Friable	100 sq. ft.	Mastic only
3	Textured wall covering, and mastic	Snappy Tomato Suite	Non-ACM	--	--	--
4	Caulk, clear	Snappy Tomato Suite	Non-ACM	--	--	--
5	Floor tile, 12"x12", beige mottled, and mastic	Snappy Tomato Suite	ACM	Category II Non-Friable	350 sq. ft.	Mastic only
6	Wall covering mastic	Snappy Tomato Suite	Non-ACM	--	--	--
7	Drywall and joint compound	19th floor building A	Non-ACM	--	--	--
8	Drywall and joint compound	18th floor building A	Non-ACM	--	--	--
9	Drywall and joint compound	17th floor building A	Non-ACM	--	--	--
10	Drywall and joint compound	16th floor building A	Non-ACM	--	--	--
11	Drywall and joint compound	15th floor building A	Non-ACM	--	--	--
12	Drywall and joint compound	14th floor building A	Non-ACM	--	--	--
13	Drywall and joint compound	13th floor building A	Non-ACM	--	--	--
14	Drywall and joint compound	12th floor building A	Non-ACM	--	--	--
15	Drywall and joint compound	11th floor building A	Non-ACM	--	--	--
16	Drywall and joint compound	10th floor building A	Non-ACM	--	--	--
17	Drywall and joint compound	9th floor building A	Non-ACM	--	--	--
18	Drywall and joint compound	8th floor building A	Non-ACM	--	--	--
19	Drywall and joint compound	7th floor building A	Non-ACM	--	--	--
20	Drywall and joint compound	6th floor building A	Non-ACM	--	--	--
21	Drywall and joint compound	6th floor building C	Non-ACM	--	--	--
22	Drywall and joint compound	5th floor building A	Non-ACM	--	--	--
23	Drywall and joint compound	5th floor building C	Non-ACM	--	--	--
24	Drywall and joint compound	4th floor building A	Non-ACM	--	--	--
25	Drywall and joint compound	4th floor building B	Non-ACM	--	--	--
26	Drywall and joint compound	4th floor building C	Non-ACM	--	--	--
27	Drywall and joint compound	3rd floor building A	Non-ACM	--	--	--
28	Drywall and joint compound	3rd floor building B	Non-ACM	--	--	--
29	Drywall and joint compound	3rd floor building C	Non-ACM	--	--	--
30	Drywall and joint compound	2nd floor building A	Non-ACM	--	--	--
31	Drywall and joint compound	2nd floor building B	Non-ACM	--	--	--
32	Drywall and joint compound	2nd floor building C	Non-ACM	--	--	--
33	Drywall and joint compound	1st floor building A	Non-ACM	--	--	--
34	Drywall and joint compound	1st floor building B	Non-ACM	--	--	--
35	Drywall and joint compound	1st floor building C	Non-ACM	--	--	--



Summary of ACM / Non-ACM
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Hom. Area ID	Homogeneous Area (Material Description)	Location(s)	Asbestos Determination	NESHAP Category	Approx. Quantity	Additional Information
36	Drywall and joint compound	Ground floor building A	Non-ACM	--	--	--
37	Drywall and joint compound	Ground floor building B	Non-ACM	--	--	--
38	Drywall and joint compound	Ground floor building C	Non-ACM	--	--	--
39	Plaster, walls, building A	Throughout building A	Non-ACM	--	--	Base coat contains <1% asbestos
40	Plaster, walls, building B	Throughout building B	Non-ACM	--	--	--
41	Plaster, walls, building C	Throughout building C	Non-ACM	--	--	--
42	Plaster, ceilings, building A	Throughout building A	Non-ACM	--	--	Base coat contains <1% asbestos
45	Carpet mastic, yellow	Throughout all floors	Non-ACM	--	--	--
46	Ceiling tile, 2'x2', hole and pinhole	Throughout all floors	Non-ACM	--	--	--
47	Hardwood floor paper	Throughout building A	Non-ACM	--	--	--
48	Ceiling tile, 2'x2', gray	19th floor building A	Non-ACM	--	--	--
49	Caulk, white	Building A elevators	Non-ACM	--	--	--
50	Sink undercoating, white	Throughout building A	Non-ACM	--	--	--
51	Cove base, 6", tan, and mastic	18th and 6th floor building A	Non-ACM	--	--	--
52	Spline ceiling tile	Throughout building A	Non-ACM	--	--	--
53	Spline ceiling mastic, pucks	Ceilings throughout building A	Non-ACM	--	--	--
54	Floor tile, 12"x12", tan mottled, and mastic (with multiple layers beneath)	Throughout building A	ACM	Category I Non-Friable	800 sq. ft.	Only brown floor tile, white floor tile and mastic, gray floor tile and mastic layers are ACM
55	Cove base, 4", blue, and mastic	Throughout building A	Non-ACM	--	--	--
56	Cove base, 4", black, and mastic	Throughout building A	Non-ACM	--	--	--
57	Ceiling tile, 2'x4', hole and fissure	18th floor building A	Non-ACM	--	--	--
58	Cove base, 4", tan, and mastic	Throughout buildings A, B and C	Non-ACM	--	--	--
59	Cove base, 4", brown, and mastic	17th floor building A	Non-ACM	--	--	--
60	Cove base, 4", maroon, and mastic	17th, 12th and 7th floors building A	Non-ACM	--	--	--
61	Caulk, black	Office entry windows 17th, 14th, 13th and 12th floors building A	Non-ACM	--	--	--
62	Pipe sealant, gray	16th floor building A	Non-ACM	--	--	--
63	Floor tile, 12"x12", tan with tan and brown specks, and mastic	17th floor kitchenette building A	Non-ACM	--	--	--
64	Floor tile, 12"x12", tan, and mastic	15th floor kitchenette building A	Non-ACM	--	--	--
65	Floor tile, 12"x12", white with tan specks, and mastic	14th floor kitchenette building A	Non-ACM	--	--	--
66	Cove base, 4", dark gray, and mastic	13th, 12th and 10th floors building A	Non-ACM	--	--	--



Summary of ACM / Non-ACM

4th and Walnut Center

105 E. 4th Street

Cincinnati, Ohio 45202

Hom. Area ID	Homogeneous Area (Material Description)	Location(s)	Asbestos Determination	NESHAP Category	Approx. Quantity	Additional Information
67	Cove base, 4", light brown, and mastic	Throughout buildings A, B and C	Non-ACM	--	--	--
68	Caulk, white	Restrooms building A	Non-ACM	--	--	--
69	Cove base, 4", gray, and mastic	Throughout buildings A, B and C	Non-ACM	--	--	--
70	Cove base, 4", green, and mastic	12th floor building A	Non-ACM	--	--	--
71	Sink undercoating, gray	12th, 7th and 6th floors building A	Non-ACM	--	--	--
72	Vinyl sheet flooring, beige, and mastic	12th floor building A	Non-ACM	--	--	--
73	Caulk, gray	12th floor office entry windows building A	Non-ACM	--	--	--
74	Floor tile, 12"x12", tan mottled, and mastic	10th floor building A	Non-ACM	--	--	--
75	Cove base, 4", white, and mastic	10th and 7th floors building A	Non-ACM	--	--	--
76	Ceiling tile, 2'x4', hole and pinhole	19th and 10th floors building A	Non-ACM	--	--	--
78	Floor tile, 12"x12", mottled red, and mastic	7th floor building A	Non-ACM	--	--	--
79	Parquet floor mastic	19th floor building A	Non-ACM	--	--	--
81	Tread mastic	Fire escape steps building A	Non-ACM	--	--	--
82	Floor leveling compound	Throughout buildings A, B and C	Non-ACM	--	--	--
83	Fire stop, red	Throughout buildings A, B and C	Non-ACM	--	--	--
84	Duct expansion joint	Mechanical rooms building A	Non-ACM	--	--	--
86	Pipe insulation, 6" to 8", steam/water lines	Throughout buildings A, B and C	ACM	Friable	9,800 lin. ft.	Gray pipe insulation only
87	Duct lining, black	Ducts throughout building A	Non-ACM	--	--	--
88	Underlayment, layered, (mastic, fiber and paper)	15th, 10th and 4th floors building A	Non-ACM	--	--	--
89	Mastic, duct, brown	Throughout buildings A, B and C	Non-ACM	--	--	--
90	Ceiling tile, 2'x4', square pattern	14th floor building A	Non-ACM	--	--	--
91	Mastic, duct, gray	Throughout buildings A, B and C	Non-ACM	--	--	--
92	Floor tile, 9"x9", white, and mastic, black	15th and 4th floors building A	ACM	Category I Non-Friable	92,800 sq. ft.	Floor tile only All 9"x9" Floor tile in building A is ACM
93	Floor tile, 9"x9", green, and mastic, black	15th, 11th and 4th floors building A	ACM	Category I Non-Friable		
94	Floor tile, 9"x9", maroon, and mastic, black	18th and 15th floors building A	ACM	Category I Non-Friable		
95	Floor tile, 12"x12", white, textured, and mastic, black	12th, 10th and 9th floors building A	ACM	Category I Non-Friable		
96	Floor tile, 9"x9", dark green, and mastic, black	12th floor building A	ACM	Category I Non-Friable		
97	Floor tile, 9"x9", tan, and mastic, black	15th, 12th and 4th floors building A	ACM	Category I Non-Friable		
98	Floor tile, 9"x9", brown, and mastic, black	15th, 11th and 4th floors building A	ACM	Category I Non-Friable		



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Hom. Area ID	Homogeneous Area (Material Description)	Location(s)	Asbestos Determination	NESHAP Category	Approx. Quantity	Additional Information
99	Floor tile, 9"x9" black, and mastic, black	10th and 4th floors building A	ACM	Category I Non-Friable		
100	Floor tile, 9"x9", gray, and mastic, black	15th, 10th and 4th floors building A	ACM	Category I Non-Friable		
101	Floor tile, 12"x12", cream, and mastic	11th and 10th floors building A	ACM	Category I Non-Friable		
102	Floor tile, 9"x9", light brown, and mastic	11th floor building A	ACM	Category I Non-Friable		
103	Floor tile, 9"x9", dark brown, and mastic	15th and 11th floors building A	ACM	Category I Non-Friable		
104	Floor tile, 9"x9", beige, and mastic	11th floor building A and 6th floor building C	ACM	Category I Non-Friable	6,000 sq. ft.	Quantity for building A is included in the 92,800 sq. ft. noted previously. This quantity is only for floor tile and mastic found in building C
106	Paper wrap on fiberglass pipe insulation	Throughout buildings A, B and C	Non-ACM	--	--	--
107	Cove base, 4", beige, and mastic	Throughout buildings A, B and C	Non-ACM	--	--	--
108	Sink undercoating, black	5th floor building A and 4th floor building C	Non-ACM	--	--	--
109	Spray on fire proofing, light blue	6th, 3rd and 2nd floors building C columns and decking	Non-ACM	--	--	--
110	Mastic, duct, tan	Throughout buildings A, B and C	Non-ACM	--	--	--
111	Floor tile, 12"x12", gray, speckled, and mastic	6th floor kitchenettes building A	Non-ACM	--	--	--
112	Mastic, duct, black	5th floor and garage mechanical rooms building C	ACM	Category II Non-Friable	100 sq. ft.	--
113	Caulk, tan	5th floor building C mechanical rooms	Non-ACM	--	--	--
114	Mirror mastic	Restrooms throughout	ACM	Category II Non-Friable	60 sq. ft.	80 mirrors
116	Floor tile, 9"x9", beige and gray with brown flecks, and mastic	5th and 4th floors building C	Non-ACM	--	--	--
118	Tread mastic	Stairwells throughout	Non-ACM	--	--	--
119	Cove base, 2", tan, and mastic	4th floor buildings B and C	Non-ACM	--	--	--
120	Ceiling tile, 2'x2', pinhole	18th floor building A and 4th floor building C	Non-ACM	--	--	--
121	Floor tile, 8"x18", tan, and mastic	4th floor buildings B and C	Non-ACM	--	--	--
122	Floor tile, 12"x12", beige mottled, and mastic, black	4th floor buildings B and C	Non-ACM	--	--	--
123	Spray on fire proofing, beige	4th floor building C on decking behind wall	Non-ACM	--	--	--
124	Spray on fire proofing, tan	5th and 4th floors building C decking and beams	Non-ACM	--	--	--



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Hom. Area ID	Homogeneous Area (Material Description)	Location(s)	Asbestos Determination	NESHAP Category	Approx. Quantity	Additional Information
125	Floor tile, 12"x12", light gray, mottled, and mastic	4th floor building C	Non-ACM	--	--	--
126	Floor tile, 12"x12", dark gray, mottled, and mastic	4th floor building C	Non-ACM	--	--	--
127	Floor tile, 12"x12", beige with multi color specks, and mastic	3rd floor building C and ground floor kitchenette building C	Non-ACM	--	--	--
128	Floor tile, 9"x9", tan with brown and beige specks, and mastic	3rd floor building C electrical closet	Non-ACM	--	--	--
129	Cove base, 5", black, and mastic	3rd floor buildings B and C	Non-ACM	--	--	--
130	Ceiling tiles, 1 square foot	Main entry building A	Non-ACM	--	--	--
131	Floor tile, 12"x12", mottled, tan and yellow, and mastic	2nd floor building C	Non-ACM	--	--	--
132	Floor tile, 12"x12", cream with two shades blue specks, and mastic	2nd floor building C	Non-ACM	--	--	--
134	Floor tile, 18"x18", gray stone look, and mastic	1st floor buildings A and B	Non-ACM	--	--	--
135	Floor tile, 12"x12", cream with black and tan specks, and mastic	1st floor building C	Non-ACM	--	--	--
136	Cove base, 4", mauve, and mastic	1st floor building C	Non-ACM	--	--	--
137	Vinyl sheet flooring, gray with fiber backing, and mastic	1st floor building A	Non-ACM	--	--	--
138	Floor tile 12"x12", black with gray specks, and mastic	1st floor room under stairs building A	Non-ACM	--	--	--
139	Floor tile, 9"x9", black with circle pattern, and mastic	Ground floor building B	Non-ACM	--	--	--
140	Floor tile, 9"x9", cork pattern, and mastic	16th floor building A and ground floor building B	ACM	Category I Non-Friable	1,000 sq. ft.	Floor tile only. Quantity is only for floor tile found in building B
142	Rope fire stop	Garage mechanical room building C	ACM	Category II Non-Friable	10 lin. ft.	--
143	Hard pipe fittings insulation	Garage mechanical room building C	Non-ACM	--	--	--
144	Pipe insulation, 2"	Garage mechanical room building C	Non-ACM	--	--	--
147	Caulk, white	Ground floor bathrooms building C	Non-ACM	--	--	--
148	Ceiling texturing	Garage ceiling building C	Non-ACM	--	--	--
149	Pipe insulation, 3"	Garage room building C	Non-ACM	--	--	--
150	Fire door insulation, wooden door	19th floor building A	Non-ACM	--	--	--
151	Roof material, new	Building A roof	Non-ACM	--	--	--
152	Roof material, old	Building A roof	Non-ACM	--	--	--
153	Roof, mastic	Building A roof	Non-ACM	--	--	--
154	Roof material	Building C penthouse roof	Non-ACM	--	--	--
155	Caulk, white	Building C penthouse roof	Non-ACM	--	--	--
157	Roof, mastic	Building C roof	Non-ACM	--	--	--
158	Roof material	Building B east roof	Non-ACM	--	--	--



Summary of ACM / Non-ACM

4th and Walnut Center

105 E. 4th Street

Cincinnati, Ohio 45202

Hom. Area ID	Homogeneous Area (Material Description)	Location(s)	Asbestos Determination	NESHAP Category	Approx. Quantity	Additional Information
159	Roof material	Building B west roof	Non-ACM	--	--	--
160	Caulk, white	Building B roof	Non-ACM	--	--	--
161	Roof material	Light court roof	Non-ACM	--	--	--
162	Caulk, white	Light court roof	Non-ACM	--	--	--
163	Window glazing	Light court roof old metal windows	ACM	Category II Non-Friable	4,420 lin. ft.	85 windows
164	Pipe wrap, fibrous	Throughout buildings A, B and C	Non-ACM	--	--	--
165	Spline ceiling mastic, tan	Throughout building A	Non-ACM	--	--	--
166	Caulk, black	17th floor mechanical room building A	Non-ACM	--	--	--
167	Floor tile, 9"x9", black with white streaks, and mastic	14th floor mechanical room building A	ACM	Category I Non-Friable	500 sq. ft.	Floor tile only
168	Cove base, 4", blue, and mastic	7th floor building A	Non-ACM	--	--	--
169	Floor tile, 12"x12", brown and gray with black specks, and mastic	7th floor building A	Non-ACM	--	--	--
170	Cove base, 4", green, and mastic	3rd floor building A	Non-ACM	--	--	--
171	Ceiling tile, 2'x2', textured, white	3rd and 2nd floors building C	Non-ACM	--	--	--
172	Vinyl sheet flooring, gray	17th floor building A	Non-ACM	--	--	--
173	Cove base, 4", dark blue, and mastic	11th floor building A	Non-ACM	--	--	--
174	Floor tile, 18"x18", blue stone pattern, and mastic	11th floor building A	Non-ACM	--	--	--
175	Vinyl strip flooring, wood look	2nd floor building C	Non-ACM	--	--	--
176	Duct wrap paper, aluminum face	Throughout buildings A, B and C	Non-ACM	--	--	--
177	Floor tile, 12"x12", pink, and mastic	Former Red Squirrel Suite	ACM	Category II Non-Friable	3,900 sq. ft.	Mastic only. Under all flooring in former Red Squirrel Suite
178	Floor tile 12"x12", yellow, and mastic	Former Red Squirrel Suite	ACM	Category II Non-Friable		
179	Flooring squares, 3', brown and tan	Ground floor building A	Non-ACM	--	--	--
180	Spray on fire proofing, beige	Above garage ceiling building C	ACM	Friable	19,250 sq. ft.	--
181	Drywall and joint compound, white	Conference room ground floor building C	ACM	Category II Non-Friable	2,820 sq. ft.	Joint compound only. Drywall and joint compound contains <1% asbestos
182	Radiator insulation	Radiator covers building C	Non-ACM	--	--	--
B1	TSI insulation, breaching, powder and fibrous, white and gray	Boiler room coal furnace to chimney boiler	ACM	Friable	1,500 sq. ft.	--
B2	TSI pipe insulation, 12"-18", powder and fibrous, gray	Boiler room	ACM	Friable	700 sq. ft.	--
B3	Insulation wrap, fiberglass, white and aluminum	Boiler room 6" and 4" pipes	Non-ACM	--	--	--



Summary of ACM / Non-ACM
 4th and Walnut Center
 105 E. 4th Street
 Cincinnati, Ohio 45202

Hom. Area ID	Homogeneous Area (Material Description)	Location(s)	Asbestos Determination	NESHAP Category	Approx. Quantity	Additional Information
B4	Insulation wrap, fiberglass wrap and canvas, tan	Boiler room domestic hot water 5" lines	Non-ACM	--	--	--
B5	Hard fittings, powder and fibrous, gray	Boiler room 3"-6" waterlines	ACM	Friable	100 sq. ft.	100 fittings
B6	TSI insulation, cementitious material, fibrous, tan	Old coal boiler surrounding upper and lower port (manways to the mud drum and steam drum)	ACM	Friable	50 sq. ft.	--
B7	TSI insulation, powder and fibrous, gray	Outer tank insulation above coal boiler (steam drum)	ACM	Friable	240 sq. ft.	--
B8	Fire brick, tan, and coating, gray	Interior of coal boiler	Non-ACM	--	--	--
B9	Rope gasket, white and gray	Coal furnace at seams	ACM	Category I Non-Friable	200 lin. ft.	--
B10	Gasket material, gray and silver	Outer side of coal boiler	ACM	Category I Non-Friable	16 sq. ft.	--
B11	Rope gasket, white	3rd gas boiler	Non-ACM	--	--	--
B12	Insulation, cementitious coating, gray and tan	Interior of gas boilers	Non-ACM	--	--	--
B13	Insulation gasket, fibrous, white and tan	Interior gas furnace ends	Non-ACM	--	--	--
B14	Spray on fire proofing, fibrous, gray	Boiler room structure I beams	Non-ACM	--	--	--
B15	TSI pipe insulation, powder and fibrous, white	Boiler room 3"-6" pipes and throughout basement	ACM	Friable	600 lin. ft.	--
B16	TSI pipe insulation, cellulose, tan and gray	Boiler room 3"-6" pipes and throughout basement	ACM	Friable	500 lin. ft.	Tan insulation only
B17	TSI duct insulation, powder and fibrous, gray	Boiler room, basement maintenance storage, basement air handler room	ACM	Friable	1,600 sq. ft.	--
B18	TSI pipe insulation, foamglass, black	16"-24" pipes throughout basement	Non-ACM	--	--	--
B19	Duct sealer, gray	Basement filter room (fan room)	Non-ACM	--	--	--
B20	Caulk, brittle, gray	Basement filter room (fan room)	ACM	Friable	200 lin. ft.	--
B21	Sound proofing, fibrous, gray	Basement air filter room doors	Non-ACM	--	--	--
B22	Sound proofing, brown	Basement dumb waiter doors	Non-ACM	--	--	--
B23	Plaster, white	Basement	Non-ACM	--	--	--
B28	Door insulation, fibrous, tan	Basement door to elevator mechanical room	Non-ACM	--	--	--
B29	Floor tile, 12"x12", light gray with white and gray speckles, and mastic, black	Basement non smoking lounge	Non-ACM	--	--	--
B30	Cove base, 6", gray, and mastic, clear and brown	Basement non smoking lounge	Non-ACM	--	--	--
B31	Ceiling tile, 2'x2', recessed, fissured with dots, white	Basement non smoking lounge and basement elevator lobby	Non-ACM	--	--	--
B32	Ceiling tile, 2'x4', fissured with dots, white	Basement hallway	Non-ACM	--	--	--
B33	Floor tile, 12"x12", gray speckled, and mastic, yellow	Basement elevator lobby and VEOLA office	Non-ACM	--	--	--
B34	Drywall and joint compound	Basement non smoking lounge	Non-ACM	--	--	--
B35	Ceiling tile, 2'x2', flush, fissured, white	Basement maintenance office	Non-ACM	--	--	--
B36	Floor tile layers, 12"x12", off white with gray streaks over brown tiles, and associated mastics	Basement maintenance office	ACM	Category II Non-Friable	276 sq. ft.	Brown mastic only
B37	Drywall and joint compound	Blue print room ceilings and walls in basement	Non-ACM	--	--	--



Summary of ACM / Non-ACM

4th and Walnut Center

105 E. 4th Street

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Hom. Area ID	Homogeneous Area (Material Description)	Location(s)	Asbestos Determination	NESHAP Category	Approx. Quantity	Additional Information
B38	Drywall and joint compound	Blue paint room partial ceiling in basement	Non-ACM	--	--	--
B39	Blown insulation, fibrous, tan	Basement maintenance office ceiling	Non-ACM	--	--	--
B40	Duct tape and sealer, gray	VEOLA northwest shared area	ACM	Category II Non-Friable	25 sq. ft.	Sealer only
B41	Door insulation, cellulose, brown	Double doors to VEOLA from maintenance office	Non-ACM	--	--	--
B42	Cove base, 4", gray, and mastic, tan	Basement elevator lobby and VEOLA office	Non-ACM	--	--	--
B43	TSI insulation, powder and fibrous, gray	Old coal boiler exterior insulation	ACM	Friable	720 sq. ft.	--
B44	Internal boiler components	Basement	Assumed ACM	Friable	100 sq. ft.	--
B45	Pipe gaskets	Basement	Assumed ACM	Category I Non-Friable	50 sq. ft.	--
B46	Internal chiller components	Basement	Assumed ACM	Category I Non-Friable	100 sq. ft.	--
B47	Air duct vibration cloth	Basement	Assumed ACM	Category II Non-Friable	100 sq. ft.	--
B48	Transite inside electrical boxes and switches	Basement	Assumed ACM	Category II Non-Friable	100 sq. ft.	--

APPENDIX B: LABORATORY ANALYTICAL REPORTS

Project No: 18.867.100			Client: Green City Demolition			Date: 6/21/18,
Inspector: Kari Brwn and Fred Wolnitzek			Building: 4th and Walnut Center			
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
1	1	Ceiling Tile Drywall Fine texture 2'x4'	Snappy Tomato	NF	Snappy Tomato	
2	1	"	"	NF		
3	2	Floor Tile 12x12 Black with white specks & mastic	"	NF		
4	2	"	"	NF		
5	3	Textured wall covering & mastic	"	NF		
6	3	"	"	NF		
7	4	Clear Caulk	"	NF		
8	4	"	"	NF		
9	5	Floor Tile 12x12 beige mottled and mastic	"	NF		
10	5	"	"	NF		
11	6	Wall covering mastic	"	NF		
12	6	"	"	NF		
13	7	Drywall & Joint Compound 19th Floor	19th Floor	NF		
14	7	"	19th Floor			
15	8	Drywall & Joint Compound 18th Floor	18th Floor kitchenette			
16	8	"	18th Floor Office			
17	9	Drywall & Joint Compound 17th Floor	17th Floor mechanical Room			
18	9	"	17th Floor office			
19	10	Drywall & Joint Compound 16th Floor	16th Floor office			
20	10	"	16th Floor office			
21	11	Drywall & Joint Compound 15th Floor	15th Floor office			
22	11	"	"	NF		

Project No: 18.867.100			Client: Green City Demolition			
Inspector: Kari Brwn and Fred Wolnitzek			Building: 4th and Walnut Center			
			Date: 6/21/18,			
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
23	12	Drywall & Joint Compound 14th Floor	14th Floor Office	NF		
24	12	" "	" "			
25	13	Drywall & Joint Compound 13th Floor	13th Floor Office			
26	13	" "	" "			
27	14	Drywall & Joint Compound 12th Floor	12th Floor			
28	14	" "	" "			
29	15	Drywall & Joint Compound 14th Floor				
30	15	" "				
31	16	Drywall & Joint Compound 10th Floor				
32	16	" "				
33	17	Drywall & Joint Compound 9th Floor				
34	17	" "				
35	18	Drywall & Joint Compound 8th Floor				
36	18	" "				
37	19	Drywall & Joint Compound 7th Floor				
38	19	" "				
39	20	Drywall & Joint Compound 6th Floor				
40	20	" "				
41	21	Drywall & Joint Compound 6th Floor				
42	21	" "				
43	22	Drywall & Joint Compound 5th Floor				
44	22	" "		NF		

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
46	23	Drywall & Joint Compound 5th C Floor		NF		
46	23	" "				
47	24	Drywall & Joint Compound 4th A Floor				
48	24	" "				
49	25	Drywall & Joint Compound 4th B Floor				
50	25	" "				
51	26	Drywall & Joint Compound 4th C Floor				
52	26	" "				
53	27	Drywall & Joint Compound 3rd A Floor				
54	27	" "				
55	28	Drywall & Joint Compound 3rd B Floor				
56	28	" "				
57	29	Drywall & Joint Compound 3rd C Floor				
58	29	" "				
59	30	Drywall & Joint Compound 2nd A Floor				
60	30	" "				
61	31	Drywall & Joint Compound 2nd B Floor				
62	31	" "				
63	32	Drywall & Joint Compound 2nd C Floor				
64	32	" "				
65	33	Drywall & Joint Compound 1st A Floor		NF		

ASBESTOS SAMPLING LOG

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Project No: 18.867.100			Client: Green City Demolition			Date: 01/00/00
Inspector: Kari Brwn and Fred Wolnitzek			Building: 4th and Walnut Center			
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
66	33	Drywall & Joint Compound 1st Floor A				
67	34	Drywall & Joint Compound 1st Floor B				
68	34	" "				
69	35	Drywall & Joint Compound 1st Floor C				
70	35	" "				
71	36	Drywall & Joint Compound Ground Floor A				
72	36	" "				
73	37	Drywall & Joint Compound Ground Floor B				
74	37	" "				
75	38	Drywall & Joint Compound Ground Floor C				
76	38	" "				
77	39	Plaster, Walls, A	19th Floor		Throughout A Building	
78	39	" "	18th Floor			
79	39	" "	17th Floor			
80	39	" "	12th Floor			
81	39	" "	10th Floor			
82	39	" "	7th Floor			
83	39	" "	6th Floor			
84	40	Plaster, Walls, B	4th Floor		Throughout B Building	
85	40	" "	4th Floor			
86	40	" "	3rd Floor			
87	40	" "	2nd Floor			

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
88	40	Plaster, walls, B	2nd Floor mechanical room		Throughout B Building	
89	40	"	1st Floor			
90	40	"	Ground Floor		↓	
91	41	Plaster, walls, C	5th Floor		Throughout C Building	
92	41	"	4th Floor			
93	41	"	6th Floor			
94	41	"	3rd Floor			
95	41	"	2nd Floor			
96	41	"	1st Floor			
97	41	"	Ground Floor		↓	
98	42	Plaster, ceilings, A	18th Floor		Throughout A Building	
99	42	"	17th Floor			
100	42	"	15th floor			
101	42	"	10th Floor			
102	42	"	7th Floor			
103	42	"	6th Floor			
104	42	"	12th Floor		↓	
105	43	Plaster, ceilings, B			Throughout B Building	
106	43	"				
107	43	"				
108	43	"				
109	43	"				

ASBESTOS SAMPLING LOG

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Project No: 18.867.100			Client: Green City Demolition			Date: 01/00/00
Inspector: Kari Brwn and Fred Wolnitzek			Building: 4th and Walnut Center			
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
110	43	Plaster, ceilings, B	FWL		Throughout B Building	
111	43					
112	44	Plaster, ceilings, C			Throughout C Building	
113	44	"				
114	44	"	Decking			
115	44	"	FWL			
116	44	"				
117	44	"				
118	44	"				
119	45	Yellow Casper mastic	18th Floor		Throughout All	
120	45	"	17th Floor			
121	45	"	15th Floor			
122	45	"	6th Floor C Building			
123	45	"	5th Floor C Building			
124	45	"	3rd Floor C Building			
125	45	"	Ground Floor			
126	46	Ceiling Tile, 2x2, hole, pinhole	6th Floor C Building		Throughout All	
127	46		5th Floor C Building			

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
128	46	Ceiling Tile, 2x2, hole and pinhole	19th Floor		Throughout ALL Buildings	
129	46	"	17th Floor			
130	46	"	4th Floor C Building			
131	46	"	4th Floor B Building			
132	46	"	3rd Floor C Building			
133	47	Hardwood Floor Paper	19th Floor		Throughout A Building	
134	47	"	18th Floor			
135	47	"	15th Floor		15	
136	47	"	11th Floor			
137	47	"	7th Floor			
138	47	"	19th Floor			
139	47	"	19th Floor			
140	48	Ceiling Tile, 2x2, gray	19th Floor Corner office		19 Floor A Building	
141	48	"	"		"	
142	49	Caulk, white, (elevators)	16th Floor		A Building	
143	49	"	5th Floor		"	
144	50	Sink undercoating, white	18th Floor Kitchenette		A Building	
145	50	"	17th Floor Kitchenette		"	
146	51	Cove base, 6", tan, domestic	18th Floor A Building		6, 18	
147	51	"	6th Floor A Building			
148	52	Spline ceiling (1x1)	18th Floor Office		12 A Building mechanical rooms	
149	52	"	12th Floor mechanical room		"	

Project No:		18.867.100	Client:		Green City Demolition	Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center	
Sample ID		Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
150	53		spline ceiling mastic (pucks)	19th Floor		Ceilings throughout A	
151	53		"	18th Floor		"	
152	53		"	16th Floor		"	
153	53		"	14th Floor		"	
154	53		"	7th Floor		"	
155	54		Floor tile, 12x12, tan mottled & mastic	18th Floor		A Building (18, 17, 9	
156	54		"	17th Floor		"	
157	55		Cove base, 4", blue & mastic	12th Floor office		A Building (12, 17	
158	55		"	18th Floor office			
159	56		Cove base, 4", black, & mastic	16th Floor office		19, 16, 15	
160	56		"				
161	57		Ceiling Tile, 2x4', hole & fissure	18th Floor Office		18	
162	57		"	"		"	
163	58		Cove base, 4", tan, & mastic	14th Floor		19, 18, 14, 10	
164	58		"	10th Floor			
165	59		Cove base, 4", brown & mastic	17th Floor		17	
166	59		"				
167	60		Cove base, 4", maroon & mastic	18th Floor A Building		17, 12, 7	
168	60		"	7th Floor "			
169	61		Caulk, black	14th Floor		Office entry windows (17, 14, 13, 12)	
170	61		" sealant	12th Floor		"	
171	62		Pipe mastic , grey	16th Floor Mechanical Room		16th floor A Building	

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
172	62	Pipe sealant, gray	16th Floor		16th Floor, A Building	
173	63	Floor Tile, 12x12, tan w/ tan & brown specks & mosaic	12th Floor Kitchenette		17th Floor, A Building	
174	63	"	"			
175	64	Floor Tile, 12x12, tan & mosaic			15th Floor Kitchenette A Building	
176	64	"			"	
177	65	Floor tile, 12x12, white w/ tan specks & mosaic	14th Floor		14th Floor Kitchenette A Building	
178	65	"	14th Floor			
179	66	Core Base, 4", dark gray & mosaic	13th Floor		13, 12, 10 Floors A Building	
180	66	"	10th Floor			
181	67	Core Base, 4", light brown & mosaic			13	
182	67	"				
183	68	Caulk, white	13th Floor		13th Floor Restrooms, A Building	
184	68	"	5th Floor			
185	69	Core base, 4", gray, & mosaic	18th Floor A Building		13, 12, 10, 7 Floors A Building	
186	69	"	10th Floor A Building			
187	70	Core base, 4", green, & mosaic			12th Floor A Building	
188	70	"				
189	71	Sink undercoating, gray	14th Floor		12 & 7 th Floors A Building	
190	71	"	6th Floor			
191	72	Vinyl sheet flooring, beige & mosaic			12th Floor A Building	
192	72	"				

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
193	73	Caulk, door grey	12th Floor office entry windows		12th Floor office entry windows	
194	73	"	7th Floor "		"	
195	74	Floor Tile, 12x12, tan mottled & mosaic	12th Floor kitchenette		10th Floor A Building	
196	74	"	"		"	
197	75	Core base, 4", white, & mosaic	10th floor office		10 & 7 Floors A Building	
198	75	"	7th Floor office		"	
199	76	Ceiling Tile, 2'x4', hole & pinhole			19th 10th Floor A Building	
200	76	"			"	
201	77	Caulk, grey			7th Floor office entry windows A Building	
202	77	"			"	
203	78	Floor tile, 12x12, mottled red & mosaic			7th Floor A Building	
204	78	"			"	
205	79	Parquet Floor mosaic	19th Floor		19th Floor A Building	
206	79	"	"		"	
207	80	Any wall & some compounds ^{Green} paper			19th Floor A Building	
208	80	"			"	
209	81	Tread mosaic (1 tread each) floor	12th Floor		Five escape steps 1 per floor A Building	
210	81	"	12th Floor		"	
211	82	Floor leveling compound	16th Floor		A Building	
212	82	"	14th Floor			
213	82	"	1st Floor A Building			
214	82	"	1st Floor B Building			

ASBESTOS SAMPLING LOG

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
215	82	Floor leveling compound	4th Floor C Building		B Building	
216	83	Red Fire Stop	16th Floor mechanical room		19, 6c	
217	83	"	12th Floor mechanical room			
218	83	"	6th Floor C			
219	84	Duct expansion joint	16th Floor mechanical room		mech. rooms A Building	
220	84	"	6th Floor			
221	85	Wood paneling mastic			18th Floor Hall A Building	
222	85	"	FLH			
223	86	6to8" Pipe Insulation, water lines, vertical	18th Floor		B Building Throughout	
224	86	"	14th Floor			
225	86	"	6 A			
226	86	"	5th Floor C Building			
227	86	"	1st Floor A Building			
228	86	"	1st Floor B Building			
229	86	"	Ground Floor B Building			
230	87	Duct lining, fibrous, black	16th Floor		Ducts, A Building	
231	87	"	15th Floor			
232	87	"	14th Floor			
233	87	"	12th Floor			
234	87	"	6th Floor			
235	87	"	5th Floor			
236	87	"	4th Floor			

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
232	88	Underlayment, layered - ^{mastic} fibrous paper	15th Floor		4, 15, 10	
238	88	" "	10th Floor			
239	88	" "	10th Floor			
240	88	" "	4th Floor			
241	88	" "	4th Floor			
242	89	242 Mastic, duct, brown	16th Floor		4	
243	89	" "	13th Floor			
244	89	" "	4th Floor			
245	89	" "	FWW			
246	89	" "				
247	90	Ceiling Tile, 2x2, square pattern			14th Floor & Building	
248	90	" "			" "	
249	91	Mastic, duct, grey	16th Floor		15	
250	91	" "	15th Floor			
251	91	" "				
252	91	" "	FWW			
253	91	" "				
254	92	Floor Tile, 9x9, white & black mastic	15th Floor		15, 4	
255	92	" "	4th Floor			
256	93	Floor Tile, 9x9, Green & black mastic	15th Floor		15, 11, 4	
257	93	" "	11th Floor			
258	94	Floor Tile, 9x9, maroon & black mastic	18th Floor & Building		15	

Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		6/21/18,	
Sample ID	Hom. Area	Homogeneous Area Description		Sample Location		Friable / Non-friable	Homogeneous Area Locations		Quantity (LF/SF/CF)
259/94		Floor Tile, 9x9, maroon, & black mastic		15th Floor A Building			15		
260/95		Floor Tile, 12x12, white textured, & Black mastic		12th Floor			12 & 9, 10		
261/95		" "		9th Floor			" "		
262/96		Floor Tile, 9x9, dark green & black mastic					12		
263/96		" "					" "		
264/97		Floor Tile, 9x9, Tan & Black mastic		15th Floor			12, 4		
265/97		" "		12th Floor			" "		
266/98		Floor Tile, 9x9, Brown & Black mastic		15th Floor			15, 11, 4		
267/98		" "		11th Floor			" "		
268/99		Floor Tile, 9x9, Black & Black mastic		10th Floor			10, 4		
269/99		" "		4th Floor			" "		
270/100		Floor Tile, 9x9, Grey & Black mastic		15th Floor			10, 4		
271/100		" "		10th Floor			" "		
272/101		Floor Tile, 12x12, cream & mastic		10th Floor			10		
273/101		" "		11th Floor			" "		
274/102		Floor Tile, 9x9, light brown & mastic		11th Floor			11		
275/102		" "		" "					
276/103		Floor Tile, 9x9, dark brown & mastic		15th floor			11		
277/103		" "		11th Floor					
278/104		Floor Tile, 9x9, Beige & mastic		11th Floor			11, 6c		
279/104		" "		6th Floor C Building					
280/105		Floor Tile, 12x12, Grey mottled & mastic		fnw			4		

ASBESTOS SAMPLING LOG

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
281	105	Floor Tile, 12x12, Beige mottled mosaic	FULL		4	
282	106	Paper wrap on fiberglass pipe	19th Floor mechanical Room		Throughout	
283	106	"	18th Floor office		Throughout	
284	106	"	19th Floor mechanical Room			
285	106	"	6th Floor C Building			
286	106	"	5th Floor C Building			
287	106	"	5th Floor mechanical Room C Building			
288	106	"	3rd Floor B Building			
289	107	Cove base, 4", Beige mosaic	6th Floor C Building		6	
290	107	"	"			
291	108	Sink undercoating, Black	5th A Building		5', 4L	
292	108	"	4th C Building			
293	109	Spray on Fireproofing, Light Blue	6th Floor Decking		6, 3, 2 C Building	
294	109	"	3rd Floor Decking		columns & decking	
295	109	"	"			
296	109	"	3rd Floor Beam			
297	109	"	2nd Floor Decking			
298	109	"	2nd Floor Beam			
299	109	"	2nd Floor Column			
300	110	Mastic, Duct, Tan	15th Floor		6A	
301	110	Mastic, Duct, Tan				

ASBESTOS SAMPLING LOG

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Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		01/00/00	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)			
302	111	Floor Tile, 12x12, grey speckled & mastic			6 A Kitchenettes				
303	111	" "							
304	112	Duct mastic, black	5th Floor C Building	F	5c				
305	112	" "	" "	F					
306	112	" "	" "	F					
307	113	Caulk, tan	5th Floor C Building Mechanical Room		5c mech				
308	113	" "	" "						
309	114	Mirror mastic	5c Women's						
310	114	" "	" "						
311	115	Tan Pine strip	5c						
312	115	" "	Flint						
313	116	Floor Tile, 9x9, ^{light grey} grey w/ brown flecks, black mastic	5th Floor C Building						
314	116		4th Floor C Building						
315	117	Floor Tile, 12x12, grey mastic	5c						
316	117		Flint						
317	118	Tread mastic	Stairwell 2		Stairwells				
318	118	" "	Stair well 4						
319	119	Cove Base, 2", tan & mastic	4B, 4C						
320	119	" "							
321	120	Ceiling Tile, 2x2, pinhole	18th Floor A Building						
322	120	" "	4th Floor C Building						
323	121	Floor Tile, 8x10, tan & mastic							

ASBESTOS SAMPLING LOG

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Project No: 18.867.100

Client: Green City Demolition

Inspector: Kari Brwn and Fred Wolnitzek

Building: 4th and Walnut Center

Date: 01/00/00

Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
324	121	Floor Tile, 8x18, Tan & mastic				
325	122	Floor Tile, 12x12, Beige mottled & black mastic	4th Floor B			
326	122	"	4th Floor C			
327	123	Spray on Fireproofing (Behind wall)	4C behind wall			
328	123	"	"			
329	123	"	"			
330	124	Spray on Fireproofing, Tan	4C Decking			
331	124	"	5C "			
332	124	"	5C "			
333	124	"	4C Decking			
334	124	"	4C Beam			
335	124	"	4C Beam			
336	124	"	4C Decking			
337	125	Floor Tile, 12x12, light gray mottled & mastic	4C Building			
338	125	"	"			
339	126	Floor Tile, 12x12, Dark gray, mottled & mastic	4th Floor C Building			
340	126	"	"			
341	127	Floor Tile, 12x12, Beige w/multicolor speckles & mastic	3C			
342	128	"	Ground Floor Kitchenette			
343	128	Floor Tile, 9x9, Tan w/ brown & beige speckles & mastic	3C elec closet			
344	128	"	"			
345	129	Cover base, black, 5"	3rd Floor B Building			

Project No: 18.867.100

Inspector: Kari Brwn and Fred Wolnitzek

Client: Green City Demolition

Building: 4th and Walnut Center

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Date: 6/21/18

Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
346	129	Cove base, black, 5"	3rd Floor C Building			
347	130	Ceiling Tiles 1 ft. sq	main entry			
348	130	" "				
349	131	Floor Tile 12x12 mottled tan & yellow, & mastic	2nd Floor C Building			
350	131	" "	"			
351	132	Floor Tile, 12x12 cream w/ 2 shades blue speckles & mastic	2nd Floor C Building			
352	132	" "	"			
353	133	Floor Tile, 12x12 grey with grey flecks, & mastic	1st C Floor			
354	133	" "				
355	134	Floor Tile, 18x18, grey stone look,	1st Floor A Building		A & B	
356	134	" "	"			
357	135	Floor Tile, 12x12, cream w/ black & tan speckles & mastic	1			
358	135	" "				
359	136	Cove base, 4", mauve	1st Floor C Building			
360	136	" "				
361	137	Vinyl sheet flooring, grey, w/ fiber backing & mastic	1st Floor A Building			
362	137	" "	"			
363	138	Floor Tile, 12x12, black w/ grey speckles & mastic	1st room under stairs			
364	138	" "	"			
365	139	Floor Tile, 9x9, black w/ circle pattern & mastic	Ground Floor B			
366	139	" "				
367	140	Floor Tile, 9x9, cork pattern & mastic	6th Floor Building			

Project No: 18.867.100			Client: Green City Demolition		Date: 6/21/18,
Inspector: Kari Brwn and Fred Wolnitzek			Building: 4th and Walnut Center		Quantity (LF/SF/CF)
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations
368	140	Floor Tile, 9x9, Cork Pattern & mastic	113		
369	141	Air wall & joint compound	Ground Floor Parking garage	NOT	AIR WALL
370	141	"	"		
371	142	Rope Fine stop	Garage mechanical Room		
372	142	"	"		
373	142	"	"		
374	143	Hard pipe fittings (insulation)	Garage mechanical Room		
375	143	"	"		
376	143	"	"		
377	144	Pipe Insulation, 2"	Garage mechanical Room		
378	144	"	"		
379	144	"	"		
380	145	Floor Tile, 12x12 Beige w/ multicolor specks - & mastic	Ground Floor, Kitchenette		
381	145	"	"		OK
382	146	Insulation Paper, Black	Above metal ceiling in ground floor storage area		
383	146	"	"		NO ACCESS
384	146	"	"		
385	147	Caulk, white	Ground Floor Bathrooms		
386	147	"	"		
387	148	Ceiling Texturing	Garage ceiling		
388	148	"	"		
389	148	"	"		

Roof Lg Apes
Garage spray on

ASBESTOS SAMPLING LOG

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
390	148	Ceiling Texturing	Garage Room Ceiling			
391	148	" "	" "			
392	148	" "	" "			
393	148	" "	" "			
394	149	Pipe Insulation, 3"	Garage Room			
395	149	" "	" "			
396	149	" "	" "			
397	150	Fire Door Insulation (wooden door) ^{veneer}	19th Floor Fire door			
398	150	" "	19th Floor Fire door			
399	151	19th New Roof	A Building			
400	151	" "	" "			
401	152	19th old Roof	A Building			
402	152	" "	" "			
403	153	19th Roof Mastic	D A Building			
404	153	" "				
405	154	C Building penthouse Roof	C Building			
406	154	" "				
407	155	Caulk, White	C Building penthouse Roof			
408	155	" "				
409	156		C Building Roof			
410	156					

Project No: 18.867.100			Client: Green City Demolition			Date:
Inspector: Kari Brwn and Fred Wolnitzek			Building: 4th and Walnut Center			01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
410	157	Roof mastic	C Building Roof			
412	157	"				
413	158	Roofing	B Building EAST side			
414	158	Roofing				
415	159	Roofing	B Building West side			
416	159	"				
417	160	Caulk, white	B Building Roof			
418	160	"				
419	161	Roofing	Light court roof			
420	161	Roofing	Light court roof			
421	162	Caulk, white	"			
422	162	"	"			
423	163	Window glazing (old metal windows)	Light court Roof			
424	163	"	"			
425	164	Pipe wrap fibrous (usually over pipes)	19th Floor Mechanical Room			
426	164	"	2nd Floor B closet			
427	164	"	19th Floor mechanical Room			
428	165	spline ceiling mastic, tan			17th Floor, A Building	
429	165	"				
430	166	Caulk, Black	17th Floor Mechanical Room			
431	166	"	"			
432	167	Floor tile, 9x9, Black w/ white streaks & mastic	14th Floor mechanical Room			

ASBESTOS SAMPLING LOG

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
433	167	Floor Tile, 9x9, Black w/ white grout	14th floor mechanical room			
434	168	Cove Base, 4", Blue & marble	7th Floor			
435	168	"				
436	169	Floor Tile, 12x12, Brown/Grey w/ Black specks & marble	7th Floor			
437	169	"				
438	110	Mastic, Duct Tan				
439	170	Cove Base, 4", Green	3rd Floor & Building			
440	170	"	"			
441	171	Ceiling Tile, 2x2, textured white	3rd Floor C			
442	171	"	2nd Floor C			
443	172	Grey vinyl sheet flooring	17th Floor			
444	172	"	11th Floor			
445	173	Cove Base, 4", Dark Blue	11th Floor			
446	173	"	"			
447	174	Floor Tile, 18x18, Blue stone pattern	11th Floor			
448	174	"	"			
449	175	Vinyl strip flooring, Wood look	2nd Floor C Building			
450	175	"	"			
451	176	Doz large paper, Aluminum Face			Throughout	
452	176					
453	176					
454	176					

ASBESTOS SAMPLING LOG

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Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		01/00/00	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)			
455	176	Duck Wrap Paper, Aluminum Face							
456	177	Floor Tile, 12x12, Pink	Ground, A Building						
457	177	"	"						
458	178	Floor Tile, 12x12, yellow	Ground, A Building						
459	178	"	"						
460	179	Flooring Squares, Brown & Tan	Ground, A Building						
461	179	"	"						
462	180	Spray on Fireproofing Beige	Garage - Access from mechanical room						
463	180	"	"						
464	180	"	"						
465									
466									
467									
468									
469									
470									
471									
472									

FWL



A18-7422



ASBESTOS BULK SAMPLING LOG

105 E. 4th STREET, Cincinnati, OH 45202

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Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-1	6/28/18	B1	TSI (insulation)	white/gray, Breaching - Powder, fibrous	Boiler Room COAL FEEDLINE TO CHIMNEY	1500 1100 SF
B-2	"	B1	" "	" " "	" "	
B-3	"	B1	" "	" " "	" "	
B-4	"	B1	" "	" " "	" "	
B-5	"	B1	" "	" " "	" "	
B-6	"	B2	TSI (pipe insulation)	gray, powdery, fibrous	12"-18" Boiler Room PIPE, Low Pressure STEAM	150 100 LF / 150 SF
B-7	"	B2	" "	" "		
B-8	"	B2	" "	" "		
B-9	"	B3	insulation WRAP	white/ALUMINUM, Fiberglass WRAP	Boiler Room 6" Pipe	
B-10	"	B3	" "	" "	" " 4" Pipe	
B-11	"	B4	insulation WRAP	TAN CANVAS Fiberglass WRAP	Boiler Room DOMESTIC HOT WATER 5" LINE	
B-12	"	B4	" "	" "	" "	
B-13	"	B5	HARD Fittings	GRAY, Powdery, Fibrous	Boiler Room, 3"-6" WATER Lines	80
B-14	"	B5	" "	" "	" " Pipe	
B-15	"	B5	" "	" "	Throughout BASEMENT	
B-16	"	B6	TSI (insulation)	TAN, Fibrous, Cementitious Material	OLD COAL Boiler upper & SURROUNDING Lower Part	28 28 SF
B-17	"	B6	" "	" "	(MANWAYS to the Muddrum AND STEAM Drum)	
B-18	"	B6	" "	" "	" "	
B-19	"	B7	TSI (insulation)	GRAY, Powdery, Fibrous insulation	TANK, OVER INSULATION ABOVE THE COAL Boiler (STEAM Drum)	190 SF
B-20	"	B7	" "	" "	" "	
B-21	"	B7	" "	" "	" "	
B-22	"	B8	Fire brick w/coating	TAN brick w/gray COATING	INTERIOR of COAL Boiler Burner CHAMBER	600 SF



ASBESTOS BULK SAMPLING LOG

105 E. 4th STREET, CINCINNATI, OH 45202

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Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-23	6/28/18	B8	Fire Brick w/coating	TAN Brick w/gray coating	INTERIOR of Coal Boiler Burner	
B-24	"	B9	Rope Gasket	white/gray FURNACE gasket	COAL FURNACE AT SEAMS	120 LF
B-25	"	B9	" "	" "	" "	
B-26	"	B10	Gasket MATERIAL	gray/silver MATERIAL	OUTER SIDE of Coal Boiler (MAN WAYS to the most DRUM AND STEAM DRUM)	260 16 SF
B-27	"	B10	" "	" "		
B-28	"	B11	Rope GASKET	white gasket MATERIAL	3 rd GAS Boiler	160 LF
B-29	"	B11	" "	" "	4 th GAS BOILER	
B-30	"	B12	INSULATION	GRAY/TAN CEMENTITIOUS COATING	INTERIOR of GAS Boilers - 3 rd	870 SF
B-31	"	B12	"	" "	" " - 4 th	(MLS)
B-32	"	B12	INSULATION GASKET	white/TAN Fibrous MATERIAL	" " - 5 th	
B-33	"	B13	INSULATION GASKET	white/TAN Fibrous MATERIAL	INTERIOR GAS FURNACE ENDS ^{AT Boiler}	20 SF
B-34	"	B13	" "	" "		Turn
B-35	"	B14	Fire proofing	gray, Fibrous, spray-ON	N.E. corner Boiler Room STRUCTURAL I BEAMS	
B-36	"	B14	"	" "	" N.E. CENTER "	
B-37	"	B14	"	" "	" S.E. CORNERS "	
B-38	"	B14	"	" "	CEIL Above MAIN office	
B-39	"	B14	"	" "	BY MAIN office going into VEOLA ^{ENDING AT " "} TRANSITION to VEOLA ^{MAIN} office	400 LF 300 LF
B-40	6/29/18	B15	TSI	TAN/gray white, powdery, Fibrous	3"-6" pipe INSULATION - Boiler Rm	400 LF
B-41	"	B15	"	"	" THROUGH OUT BASEMENT	
B-42	"	B15	"	"		
B-43	"	B16	TSI	TAN/gray, CELLULOSE	3"-6" pipe INSULATION in Boiler Rm & THROUGH OUT Bsmnt.	300 SF
B-44	"	"	"	"		



ASBESTOS BULK SAMPLING LOG

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Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-45	6/29/18	B16	Tan/gray TSI	Tan/gray, Cellulose	Boiler Room Through out Bsmt	—
B-46	"	B17	TSI Duct Insulation	Gray, powdery, fibrous	Boiler Room Ramp to Tool Room	1600 SF
B-47	"	B17	" "	" "	MAINTENANCE STORAGE in Bsmt	
B-48	"	B17	" "	" "	Bsmt AIR HANDLER ROOM	
B-49	"	B18	16"-24" PIPE TSI PVE INSULATION	Black, Foaming glass	Through out BASEMENT	
B-50	"	B18		" "	" "	
B-51	"	B18		" "	" "	
B-52	"	B19	Duct SEALER	Gray,	Bsmt FILTER Rm (Fan Room)	50 SF
B-53	"	B19	" "		Through out Bsmt Ducts	
B-54	"	B20	CAULK	Gray, Brittle	Bsmt FILTER ROOM (Fan Rm)	100 LF
B-55	"	B20	"	" "	"	
B-56	"	B21	SOUND PROOFING	Gray, fibrous	Bsmt AIR FILTER ROOM DOORS	54 SF
B-57	"	B21	" "	" "	" "	
B-58	"	B22	SOUND PROOFING	Brown	BASEMENT Dumb WINTER DOORS	
B-59	"	B22	" "	" "	" "	
B-60	"	B23	PLASTER	white	Bsmt FILTER Rm ENTRY WALL AT STEPS	
B-61	"	B23	"	"	Bsmt LARGE FAN AREA in Fan Room	
B-62	"	B23	"	"	Bsmt - NE CORNER by SINGLE ELEVATOR LOBBY	
B-63	"	B23	"	"	Bsmt BOILER Rm - Furthest SE Column	
B-64	"	B23	"	"	Bsmt ELEVATOR MECHANICAL ROOM - SHAFT WALLS	
B-65	"	B23	"	"	Bsmt MAINT STORAGE CEILING	
B-66	"	B23	"	"	Bsmt WALL BETWEEN BLUE PRINT RM AND BOILER ROOM	



ASBESTOS BULK SAMPLING LOG

105 E. 4th ST., Cincinnati, OH 45202

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Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-67	6/29/18	B28	Poor Insulation	TAN, FIBEROUS	Bsmt 1/2 Deck To Elev. Mech. Room	
B-68	"	B28	" "	" "	" " "	
B-69	"	B29	VFT/Mastic	Light Gray 12"x12" w/white and gray speckles w/Black Mastic	Bsmt Non-Smoking Lounge	400 SF
B-70	"	B29	" "	" "	" " "	
B-71	"	B30	6" Cove Base Mastic	gray base board / CLEAR & BROWN Mastic	Bsmt Non-Smoking Lounge	80 LF
B-72	"	B30	" "	" "	" "	
B-73	"	B31	SUSPENDED Ceil. Tile	2'x2' RECESSED, white fissured w/dots	Bsmt Non-Smoke Lounge	400 SF
B-74	"	B31	" "	" " "	Bsmt ELEVATOR Lobby, VEOLA office	994 760 SF
B-75	"	B32	SUSPENDED Ceil. Tile	2'x4' white fissured w/dots	Bsmt Hall outside of Non-Smoke Lounge	228 SF
B-76	"	B32	" "	" "	" "	
B-77	"	B33	VFT/Mastic	12"x12" gray speckled w/ yellow mastic	Bsmt ELEVATOR Lobby	994 760 SF
B-78	"	B33	" "	" "	VEOLA OFFICE	
B-79	"	B34	GW B & MUD	white Gypsum	Bsmt Non-smoking Lounge walls	288 SF
B-80	"	B34	" "	" "	" "	
B-81	"	B35	SUSPENDED Ceil. Tile	2'x2' Flush, white, fissured	Bsmt Maint. office	276 SF
B-82	"	B35	" "	" "	" "	
B-83	"	B36	2 LAYERS FLOOR TILE & ASSOCIATED MASTICS	12"x12" off white w/gray streaks over BROWN TILE AND ASSOC. MASTICS	Bsmt Maint office	276 SF
B-84	"	B36	" " "	" " "	" " "	
B-85	"	B37	GW B & MUD	white Gypsum	Blue Print Room PARTIAL Ceil. AND WALLS	220 SF
B-86	"	B37	" "	" "	" "	
B-87	"	B38	GW B & MUD	Green Moisture Resistant board & Mud	Blue Print Rm PARTIAL Ceil	60 SF
B-88	"	B38	" "	" "	" "	



ASBESTOS BULK SAMPLING LOG

105 E. 4th St., CINCINNATI, OHIO 45202

Page 5 of 5

Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-89	6/29/18	B39	BLOWN INSULATION	TAN, Fibrous	BSMT MAINT. office Ceiling	300 SF
B-90	"	B39	" "	" "	" "	
B-91	7/2/18	B17	TSI Duct Insulation	GRAY, Powder, fibrous	BSMT storage room access from Room	
B-92	7/2/18	B17	" "	" "	BSMT MAINT. Storage Area	
B-93	"	B14	Fire proofing	GRAY, Fibrous, Spray-on	VEOLA N.W. Middle Ceiling	
B-94	"	B14	" "	" "	" N.E. Middle "	
B-95	"	B40	Duct Tape & SEALER	gray	VEOLA N.W. Shared Area	25 SF
B-96	"	B40	" "	"	" "	
B-97	"	B41	Door Insulation	brown, Cellulose	Double doors to VEOLA from MAINT. office	
B-98	"	B41	" "	" "	" "	
B-99	"	B42	Concrete Mastic	4" gray Concrete TAN Mastic	Basement ELEVATOR Lobby	
B-100	"	B42	" "	" "	VEOLA office BSMT	
B-101	"	B43	TSI INSULATION	gray, Fibrous, Powder	OLD COAL Boilers - EXTERIOR Insulation	720 SF
B-102	"	B43	" "	" "	" "	
B-103	"	B43	" "	" "	" "	
KRL						

ASBESTOS SAMPLING LOG

Page 2 of 2

Page 3 of 3

Project No:		18.867.100	Client:		Green City Demolition	Date:
Inspector:		Kari Brwn and Fred Wolnitzek	Building:		4th and Walnut Center	01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
1	D	Pipe sealant, gray	16 th floor		16 th floor, A Building	
2	D	vinyl sheet flooring, beige, +mastic, tan			12 th floor A Building	
3	D	caulk, black	14 th floor		office entry windows (17, 14, 13, 12)	
4	D	mastic, duct, brown (244)	4 th floor			
5	D	core base, 4", light brown, +mastic, tan (182)			13 th	
6	D	Red fire stop (216)	16 th floor mechanical room		19, bc	
7	D	Floor tile, 18"x18", blue stone pattern (448)	11 th floor			
8	D	Duct expansion joint (220)	16 th floor mechanical room		mechanical rooms A building	
9	D	Floor tile, 12"x12", gray speckled, + mastic, tan (362)			6 A Kitchenettes	
10	D	caulk, tan (308)	5 th floor C building mechanical room		5c mechanical	
11	D	Floor leveling compound (215)	4 th floor C building		C building	
12	D	Vinyl sheet flooring, gray, w/ fiber backing +mastic (361)	2 nd floor A building			
13	D	Yellow carpet mastic (125) (125)	Ground floor		Throughout all	
14	D	caulk, white (385)	Ground floor bathrooms			
15	D	Floor tile, 9"x9", black w/circle pattern, +mastic (365)	Ground floor B			
16	D	Plaster, ceilings, A (164)	12 th floor		Throughout A building	
17	D	roof mastic Yellow carpet mastic (120) (411)	C building roof			
18	D	core base, 4", gray + mastic (185)	18 th floor A building		13, 12, 10, 7 floors A building	

ASBESTOS SAMPLING LOG

Page 8 of 10

Page 1 of 1

Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		01/00/00	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)			
19	D	19 th floor roof mastic (463)	A building						
20	D	Floor tile, 12"x12", tan notched, +mastic, tan (156)	18 th floor		A building (18, 17, 4)				
21	D	cove base, 6", tan, +mastic (147)	18 th floor A building		6, 18				
22	D	Suspended ceiling tile, 2'x4', fissured w/dirt, white (B-75)			Basement Hall outside of non-smoke lounge				
23	D	Floor tile, 12"x12", gray speckled, +mastic, yellow (B-78)			Basement elevator lobby				
24	D	Duct tape and sealer, gray (B-95)			Veria W.W. shared area				
25	D	Duct sealer, gray (B-53)			Basement filter room (fan room)				
26	D	TSE, Pipe insulation, cellulose, tan/gray (B-43)			3'-6" pipe insulation in boiler rm throughout basement				
27	D								
28	D								
29	D								
30	D								
31	D								
32	D								
33	D								
34	D								
35	D								
36	D								

APPENDIX B

Analytical Reports with Chain-of-Custody Forms

July 25, 2018

WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

CLIENT PROJECT: 4th and Walnut Center; 18.867.100
CEI LAB CODE: A18-7422

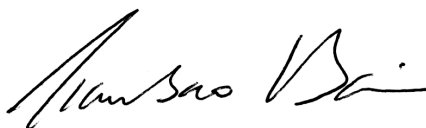
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on July 20, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for
WESTECH, Inc.

CLIENT PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-7422

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/25/18

TOTAL SAMPLES ANALYZED: 5

SAMPLES >1% ASBESTOS: 1

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-7422

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
465		A52168	White	Drywall	None Detected
466	Layer 1	A52169	White	Joint Compound	Chrysotile 2%
	Layer 2	A52169	White	Drywall	None Detected
	Layer 3	A52169	White	Drywall/ Joint Compound (Composite)	Chrysotile <1%
467		A52170	Tan,Black	Radiator Insulation	None Detected
468		A52171	Tan,Black	Radiator Insulation	None Detected
469		A52172	Tan,Black	Radiator Insulation	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-7422
Date Received: 07-20-18
Date Analyzed: 07-25-18
Date Reported: 07-25-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
465 A52168	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
Lab Notes: No joint compound present							
466 Layer 1 A52169	Joint Compound	Heterogeneous White Non-fibrous Bound			70% 28%	Calc Carb Binder	2% Chrysotile
Layer 2 A52169	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
Layer 3 A52169	Drywall/ Joint Compound (Composite)	Heterogeneous White Fibrous Bound	15%	Cellulose	75% 10%	Gypsum Calc Carb	<1% Chrysotile
Lab Notes: 2% Chrysotile in joint compound only; <1% Chrysotile overall							
467 A52170	Radiator Insulation	Heterogeneous Tan,Black Fibrous Loosely Bound	95% 5%	Fiberglass Cellulose			None Detected
468 A52171	Radiator Insulation	Heterogeneous Tan,Black Fibrous Loosely Bound	95% 5%	Fiberglass Cellulose			None Detected
469 A52172	Radiator Insulation	Heterogeneous Tan,Black Fibrous Loosely Bound	95% 5%	Fiberglass Cellulose			None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

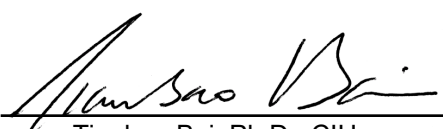
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: 
Samantha Card

APPROVED BY: 
Tianbao Bai, Ph.D., CIH
Laboratory Director



730 SE Maynard Road, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

A18-7422 (3)
AS2168-AS2172

CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

Company:	WESTECH Environmental Solutions	Client #:	
Address:	8090 Furlong Drive Cleves, Ohio 45002	Job Contact:	Fred Wolnitzek
		Email:	fred@gowestech.com
		Tel:	(513) 353-0700
Project Name:	4th and Walnut Center	Fax:	(513) 353-1701
Project ID #:	18.867.100	P.O. #:	18.867.100

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600						X	
PLM POINT COUNT (400)	EPA 600							
PLM POINT COUNT (1000)	EPA 600							
PLM GRAVIMETRIC	EPA 600							
PLM GRAV w POINT COUNT	EPA 600							
PCM AIR	NIOSH 7400							
TEM AIR	AHERA							
TEM AIR	EPA Level II							
TEM AIR	NIOSH 7402							
TEM BULK	CHATFIELD							
TEM DUST WIPE	ASTM D6480-05							
TEM DUST MICROVAC	ASTM D5755-03							
TEM QUALITATIVE	CEI LABS							
OTHER:								
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B							
LEAD WIPE	EPA SW846 7000B							
LEAD SOIL	EPA SW846 7000B							
LEAD AIR	NIOSH 7082							
OTHER:								

REMARKS: and Plaster	Stop at first positive. Except Drywall and Joint Compound	X	Accept Samples
			Reject Samples
Relinquished By:	Date/Time	Received By:	Date/Time
	12:30/7/18	CP	7/20/18 9:15

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis.



A18-7422

July 26, 2018

WESTECH, Inc.
8090 Furlong Dr.
Cleves, OH 45002

CLIENT PROJECT: 4th and Walnut Center; 18.867.100
CEI LAB CODE: A18-7422.1

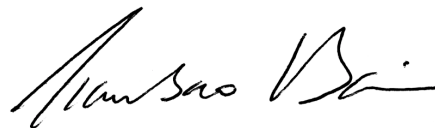
Dear Customer:

Enclosed are asbestos analysis results for PLM bulk samples received at our laboratory on July 25, 2018. The samples were analyzed for asbestos using polarized light microscopy (PLM) point count per the EPA 600 Method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the EPA 600 method is 0.25% for 400 point counts, or 0.1% for 1,000 point counts.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for
WESTECH, Inc.

CLIENT PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-7422.1

TEST METHOD: PLM Point Count
EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/26/18

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleves, OH 45002

Lab Code: A18-7422.1
Date Received: 07-25-18
Date Analyzed: 07-26-18
Date Reported: 07-26-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS POINT COUNT PLM, EPA 600 METHOD

Client ID	Lab ID	Material Description	POINTS		ASBESTOS	
			Total	Asbestos	%	
466	A52169	Joint Compound	400	7	1.8%	Chrysotile
	A52169	Drywall/Joint Compound (Composite Result from Point Count)			0.09%	Chrysotile

Lab Notes: Joint compound is 5% of overall sample

LEGEND: None

METHOD: EPA 600 / M4 / 82 / 020 (40 CFR Part 763, Sub. E, App. E)

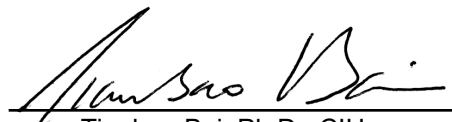
REPORTING LIMIT: 0.25% by 400 points or 0.1% by 1,000 points

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. Estimated measurement of uncertainty is available on request. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:

Samantha Card

APPROVED BY:Tianbao Bai, Ph.D., CIH
Laboratory Director

Kassidy Harris

From: Fred Wolnitzek <fred@gowestech.com>
Sent: Wednesday, July 25, 2018 11:02 AM
To: Kassidy Harris
Subject: RE: Laboratory Report for 4th and Walnut Center; 18.867.100 (A18-7422)

EXTERNAL EMAIL*

See above job reference.

Please conduct PLM point counting (400) on sample 466. We need the results for the joint compound and the overall composite for the sample.

Rush 24 hour turnaround time.

Please let me know you receive this email and will proceed with the analysis.

Thank you,

Fred Wolnitzek

Address: 8090 Furlong Drive, Cleves, Ohio 45002
Office: 513.353.0700 Ext. 11 Fax: 513.353.1701 Mobile: 859.814.1607
Email: fred@gowestech.com
Website: www.gowestech.com

-----Original Message-----

From: KassidyHarris@eurofinsUS.com <KassidyHarris@eurofinsUS.com>
Sent: Wednesday, July 25, 2018 9:07 AM
To: Mike Westerfield <mwesterfield@gowestech.com>; Mike Westerfield <mwesterfield@gowestech.com>; Fred Wolnitzek <fred@gowestech.com>
Subject: Laboratory Report for 4th and Walnut Center; 18.867.100 (A18-7422)

Attached is the laboratory report for your recently submitted samples. Please print out a copy for your records.

Thank you for choosing Eurofins CEI.

Eurofins CEI
730 SE Maynard Rd
Cary, NC 27511
USA
919-481-1413

Website: www.EurofinsUS.com/CEI

July 12, 2018

WESTECH, Inc.
8090 Furlong Dr.
Cleves, OH 45002

CLIENT PROJECT: 4th and Walnut Center; 18.867.100
CEI LAB CODE: A18-6941

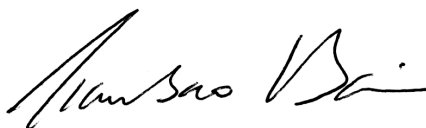
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on July 10, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

WESTECH, Inc.

CLIENT PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/12/18

TOTAL SAMPLES ANALYZED: 227

SAMPLES >1% ASBESTOS: 12

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1		A44369	Gray	Ceiling Tile	None Detected
2		A44370	Gray	Ceiling Tile	None Detected
3		A44371A	Black	Floor Tile	None Detected
		A44371B	Black	Mastic	Chrysotile 2%
4		A44372A	Black	Floor Tile	None Detected
		A44372B		Sample Not Analyzed per COC	
5	Layer 1	A44373	White	Textured Wall Covering	None Detected
	Layer 2	A44373	Yellow	Mastic	None Detected
6	Layer 1	A44374	White	Textured Wall Covering	None Detected
	Layer 2	A44374	Yellow	Mastic	None Detected
7		A44375	Clear	Caulk	None Detected
8		A44376	Clear	Caulk	None Detected
9		A44377A	Beige	Floor Tile	None Detected
		A44377B	Black	Mastic	Chrysotile 2%
10		A44378A	Beige	Floor Tile	None Detected
		A44378B		Sample Not Analyzed per COC	
11		A44379	Cream	Wall Covering Mastic	None Detected
12		A44380	Cream	Wall Covering Mastic	None Detected
13	Layer 1	A44381	White	Joint Compound	None Detected
	Layer 2	A44381	Gray	Drywall	None Detected
14	Layer 1	A44382	White	Joint Compound	None Detected
	Layer 2	A44382	Gray	Drywall	None Detected
15	Layer 1	A44383	White	Joint Compound	None Detected
	Layer 2	A44383	Gray	Drywall	None Detected
16	Layer 1	A44384	White	Joint Compound	None Detected
	Layer 2	A44384	Gray	Drywall	None Detected
17	Layer 1	A44385	White	Joint Compound	None Detected
	Layer 2	A44385	Gray	Drywall	None Detected
18	Layer 1	A44386	White	Joint Compound	None Detected
	Layer 2	A44386	Gray	Drywall	None Detected
19	Layer 1	A44387	White	Joint Compound	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
20	Layer 2	A44387	Gray	Drywall	None Detected
	Layer 1	A44388	White	Joint Compound	None Detected
21	Layer 2	A44388	Gray	Drywall	None Detected
	Layer 1	A44389	White	Joint Compound	None Detected
22	Layer 2	A44389	Gray	Drywall	None Detected
	Layer 1	A44390	White	Joint Compound	None Detected
23	Layer 2	A44390	Gray	Drywall	None Detected
	Layer 1	A44391	White	Joint Compound	None Detected
24	Layer 2	A44391	Gray	Drywall	None Detected
	Layer 1	A44392	White	Joint Compound	None Detected
25	Layer 2	A44392	Gray	Drywall	None Detected
	Layer 1	A44393	White	Joint Compound	None Detected
26	Layer 2	A44393	Gray	Drywall	None Detected
	Layer 1	A44394	White	Joint Compound	None Detected
27	Layer 2	A44394	Gray	Drywall	None Detected
	Layer 1	A44395	White	Joint Compound	None Detected
28	Layer 2	A44395	Gray	Drywall	None Detected
	Layer 1	A44396	White	Joint Compound	None Detected
29	Layer 2	A44396	Gray	Drywall	None Detected
	Layer 1	A44397	White	Joint Compound	None Detected
30	Layer 2	A44397	Gray	Drywall	None Detected
	Layer 1	A44398	White	Joint Compound	None Detected
31	Layer 2	A44398	Gray	Drywall	None Detected
	Layer 1	A44399	White	Joint Compound	None Detected
32	Layer 2	A44399	Gray	Drywall	None Detected
	Layer 1	A44400	White	Joint Compound	None Detected
33	Layer 2	A44400	Gray	Drywall	None Detected
	Layer 1	A44401	White	Joint Compound	None Detected
34	Layer 2	A44401	Gray	Drywall	None Detected
	Layer 1	A44402	White	Joint Compound	None Detected
	Layer 2	A44402	Gray	Drywall	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
35	Layer 1	A44403	White	Joint Compound	None Detected
	Layer 2	A44403	Gray	Drywall	None Detected
36	Layer 1	A44404	White	Joint Compound	None Detected
	Layer 2	A44404	Gray	Drywall	None Detected
37	Layer 1	A44405	White	Joint Compound	None Detected
	Layer 2	A44405	Gray	Drywall	None Detected
38	Layer 1	A44406	White	Joint Compound	None Detected
	Layer 2	A44406	Gray	Drywall	None Detected
39	Layer 1	A44407	White	Joint Compound	None Detected
	Layer 2	A44407	Gray	Drywall	None Detected
40	Layer 1	A44408	White	Joint Compound	None Detected
	Layer 2	A44408	Gray	Drywall	None Detected
41	Layer 1	A44409	White	Joint Compound	None Detected
	Layer 2	A44409	Gray	Drywall	None Detected
42	Layer 1	A44410	White	Joint Compound	None Detected
	Layer 2	A44410	Gray	Drywall	None Detected
43	Layer 1	A44411	White	Joint Compound	None Detected
	Layer 2	A44411	Gray	Drywall	None Detected
44	Layer 1	A44412	White	Joint Compound	None Detected
	Layer 2	A44412	Gray	Drywall	None Detected
45	Layer 1	A44413	White	Joint Compound	None Detected
	Layer 2	A44413	Gray	Drywall	None Detected
46	Layer 1	A44414	White	Joint Compound	None Detected
	Layer 2	A44414	Gray	Drywall	None Detected
47	Layer 1	A44415	White	Joint Compound	None Detected
	Layer 2	A44415	Gray	Drywall	None Detected
48	Layer 1	A44416	White	Joint Compound	None Detected
	Layer 2	A44416	Gray	Drywall	None Detected
49	Layer 1	A44417	White	Joint Compound	None Detected
	Layer 2	A44417	Gray	Drywall	None Detected
50	Layer 1	A44418	White	Joint Compound	None Detected



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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
51	Layer 2	A44418	Gray	Drywall	None Detected
	Layer 1	A44419	White	Joint Compound	None Detected
52	Layer 2	A44419	Gray	Drywall	None Detected
	Layer 1	A44420	White	Joint Compound	None Detected
53	Layer 2	A44420	Gray	Drywall	None Detected
	Layer 1	A44421	White	Joint Compound	None Detected
54	Layer 2	A44421	Gray	Drywall	None Detected
	Layer 1	A44422	White	Joint Compound	None Detected
55	Layer 2	A44422	Gray	Drywall	None Detected
	Layer 1	A44423	White	Joint Compound	None Detected
56	Layer 2	A44423	Gray	Drywall	None Detected
	Layer 1	A44424	White	Joint Compound	None Detected
57	Layer 2	A44424	Gray	Drywall	None Detected
	Layer 1	A44425	White	Joint Compound	None Detected
58	Layer 2	A44425	Gray	Drywall	None Detected
	Layer 1	A44426	White	Joint Compound	None Detected
59	Layer 2	A44426	Gray	Drywall	None Detected
	Layer 1	A44427	White	Joint Compound	None Detected
60	Layer 2	A44427	Gray	Drywall	None Detected
	Layer 1	A44428	White	Joint Compound	None Detected
61	Layer 2	A44428	Gray	Drywall	None Detected
	Layer 1	A44429	White	Joint Compound	None Detected
62	Layer 2	A44429	Gray	Drywall	None Detected
	Layer 1	A44430	White	Joint Compound	None Detected
63	Layer 2	A44430	Gray	Drywall	None Detected
	Layer 1	A44431	White	Joint Compound	None Detected
64	Layer 2	A44431	Gray	Drywall	None Detected
	Layer 1	A44432	White	Joint Compound	None Detected
65	Layer 2	A44432	Gray	Drywall	None Detected
	Layer 1	A44433	White	Joint Compound	None Detected
	Layer 2	A44433	Gray	Drywall	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
66	Layer 1	A44434	White	Joint Compound	None Detected
	Layer 2	A44434	Gray	Drywall	None Detected
67	Layer 1	A44435	White	Joint Compound	None Detected
	Layer 2	A44435	Gray	Drywall	None Detected
68	Layer 1	A44436	White	Joint Compound	None Detected
	Layer 2	A44436	Gray	Drywall	None Detected
69	Layer 1	A44437	White	Joint Compound	None Detected
	Layer 2	A44437	Gray	Drywall	None Detected
70	Layer 1	A44438	White	Joint Compound	None Detected
	Layer 2	A44438	Gray	Drywall	None Detected
71	Layer 1	A44439	White	Joint Compound	None Detected
	Layer 2	A44439	Gray	Drywall	None Detected
72	Layer 1	A44440	White	Joint Compound	None Detected
	Layer 2	A44440	Gray	Drywall	None Detected
73	Layer 1	A44441	White	Joint Compound	None Detected
	Layer 2	A44441	Gray	Drywall	None Detected
74	Layer 1	A44442	White	Joint Compound	None Detected
	Layer 2	A44442	Gray	Drywall	None Detected
75	Layer 1	A44443	White	Joint Compound	None Detected
	Layer 2	A44443	Gray	Drywall	None Detected
76	Layer 1	A44444	White	Joint Compound	None Detected
	Layer 2	A44444	White	Joint Compound	Chrysotile 2%
	Layer 3	A44444	Gray	Drywall	None Detected
	Layer 4	A44444	Gray,White	Drywall/Joint Compound	Chrysotile <1%
77	Layer 1	A44445	White	Plaster Skim Coat	None Detected
	Layer 2	A44445	Gray	Plaster Base Coat	Chrysotile <1%
78	Layer 1	A44446	White	Plaster Skim Coat	None Detected
	Layer 2	A44446	Gray	Plaster Base Coat	Chrysotile <1%
79	Layer 1	A44447	White	Plaster Skim Coat	None Detected
	Layer 2	A44447	Gray	Plaster Base Coat	None Detected
80	Layer 1	A44448	White	Plaster Skim Coat	None Detected



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
81	Layer 2	A44448	Gray	Plaster Base Coat	None Detected
	Layer 1	A44449	White	Plaster Skim Coat	None Detected
82	Layer 2	A44449	Gray	Plaster Base Coat	None Detected
	Layer 1	A44450	White	Plaster Skim Coat	None Detected
83	Layer 2	A44450	Gray	Plaster Base Coat	None Detected
	Layer 1	A44451	White	Plaster Skim Coat	None Detected
84	Layer 2	A44451	Gray	Plaster Base Coat	None Detected
	Layer 1	A44452	White	Plaster Skim Coat	None Detected
85	Layer 2	A44452	Gray	Plaster Base Coat	None Detected
	Layer 1	A44453	White	Plaster Skim Coat	None Detected
86	Layer 2	A44453	Gray	Plaster Base Coat	None Detected
	Layer 1	A44454	White	Texture	None Detected
87	Layer 2	A44454	White	Plaster Skim Coat	None Detected
	Layer 3	A44454	Gray	Plaster Base Coat	None Detected
88	Layer 1	A44455	White	Plaster Skim Coat	None Detected
	Layer 2	A44455	Gray	Plaster Base Coat	None Detected
89	Layer 1	A44456	White	Plaster Skim Coat	None Detected
	Layer 2	A44456	Gray	Plaster Base Coat	None Detected
90	Layer 1	A44457	White	Plaster Skim Coat	None Detected
	Layer 2	A44457	Gray	Plaster Base Coat	None Detected
91	Layer 1	A44458	White	Plaster Skim Coat	None Detected
	Layer 2	A44458	Gray	Plaster Base Coat	None Detected
92	Layer 1	A44459	White	Texture	None Detected
	Layer 2	A44459	White	Plaster Skim Coat	None Detected
93	Layer 3	A44459	Gray	Plaster Base Coat	None Detected
	Layer 1	A44460	White	Texture	None Detected
94	Layer 2	A44460	White	Plaster Skim Coat	None Detected
	Layer 3	A44460	Gray	Plaster Base Coat	None Detected
95	Layer 1	A44461	White	Plaster Skim Coat	None Detected
	Layer 2	A44461	Gray	Plaster Base Coat	None Detected
96	Layer 1	A44462	White	Texture	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A44462	White	Plaster Skim Coat	None Detected
	Layer 3	A44462	Gray	Plaster Base Coat	None Detected
95	Layer 1	A44463	White	Texture	None Detected
	Layer 2	A44463	White	Plaster Skim Coat	None Detected
	Layer 3	A44463	Gray	Plaster Base Coat	None Detected
96	Layer 1	A44464	White	Plaster Skim Coat	None Detected
	Layer 2	A44464	Gray	Plaster Base Coat	None Detected
97	Layer 1	A44465	White	Plaster Skim Coat	None Detected
	Layer 2	A44465	Gray	Plaster Base Coat	None Detected
98	Layer 1	A44466	White	Plaster Skim Coat	None Detected
	Layer 2	A44466	Gray	Plaster Base Coat	None Detected
99	Layer 1	A44467	White	Plaster Skim Coat	None Detected
	Layer 2	A44467	Gray	Plaster Base Coat	None Detected
100	Layer 1	A44468	White	Plaster Skim Coat	None Detected
	Layer 2	A44468	Gray	Plaster Base Coat	Chrysotile <1%
101	Layer 1	A44469	White	Plaster Skim Coat	None Detected
	Layer 2	A44469	Gray	Plaster Base Coat	Chrysotile <1%
102	Layer 1	A44470	White	Plaster Skim Coat	None Detected
	Layer 2	A44470	Gray	Plaster Base Coat	Chrysotile <1%
103	Layer 1	A44471	White	Plaster Skim Coat	None Detected
	Layer 2	A44471	Gray	Plaster Base Coat	Chrysotile <1%
104	Layer 1	A44472	White	Plaster Skim Coat	None Detected
	Layer 2	A44472	Gray	Plaster Base Coat	Chrysotile <1%
119		A44473	Yellow	Carpet Mastic	None Detected
120		A44474	Yellow	Carpet Mastic	None Detected
121		A44475	Yellow	Carpet Mastic	None Detected
122		A44476	Yellow	Carpet Mastic	None Detected
123		A44477	Yellow	Carpet Mastic	None Detected
124		A44478	Yellow	Carpet Mastic	None Detected
125		A44479	Yellow	Carpet Mastic	None Detected
126		A44480	Gray,White	Ceiling Tile	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
127		A44481	Gray,White	Ceiling Tile	None Detected
128		A44482	Gray,White	Ceiling Tile	None Detected
129		A44483	Gray,White	Ceiling Tile	None Detected
130		A44484	Gray,White	Ceiling Tile	None Detected
131		A44485	Gray,White	Ceiling Tile	None Detected
132		A44486	Gray,White	Ceiling Tile	None Detected
133		A44487	Black	Hardwood Floor Paper	None Detected
134		A44488	Black	Hardwood Floor Paper	None Detected
135		A44489	Black	Hardwood Floor Paper	None Detected
136		A44490	Black	Hardwood Floor Paper	None Detected
137		A44491	Black	Hardwood Floor Paper	None Detected
140		A44492	Gray	Ceiling Tile	None Detected
141		A44493	Gray	Ceiling Tile	None Detected
142		A44494	White	Caulk	None Detected
143		A44495	White	Caulk	None Detected
144		A44496	White	Sink Undercoating	None Detected
145		A44497	White	Sink Undercoating	None Detected
146		A44498A	Tan	Covebase	None Detected
		A44498B	Cream	Mastic	None Detected
147		A44499A	Tan	Covebase	None Detected
		A44499B	Cream	Mastic	None Detected
148		A44500	Tan	Spline Ceiling	None Detected
149		A44501	Tan	Spline Ceiling	None Detected
150		A44502	Brown	Spline Ceiling Mastic	None Detected
151		A44503	Brown	Spline Ceiling Mastic	None Detected
152		A44504	Brown	Spline Ceiling Mastic	None Detected
153		A44505	Brown	Spline Ceiling Mastic	None Detected
154		A44506	Brown	Spline Ceiling Mastic	None Detected
155		A44507A	Tan	Floor Tile	None Detected
		A44507B	Yellow	Mastic	None Detected
		A44507C	Brown	Floor Tile	Chrysotile 2%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
		A44507D	Yellow	Mastic	None Detected
		A44507E	White	Floor Tile	Chrysotile 5%
		A44507F	Black	Mastic	Chrysotile 5%
		A44507G	Gray	Floor Tile	Chrysotile 7%
		A44507H	Black	Mastic	Chrysotile 5%
156		A44508A	Tan	Floor Tile	None Detected
		A44508B	Yellow	Mastic	None Detected
		A44508C		Sample Not Analyzed per COC	
		A44508D	Yellow	Mastic	None Detected
157		A44509A	Blue	Covebase	None Detected
		A44509B	Cream	Mastic	None Detected
158		A44510A	Blue	Covebase	None Detected
		A44510B	Cream	Mastic	None Detected
159		A44511A	Black	Covebase	None Detected
		A44511B	Cream	Mastic	None Detected
160		A44512A	Black	Covebase	None Detected
		A44512B	Cream	Mastic	None Detected
161		A44513	Gray	Ceiling Tile	None Detected
162		A44514	Gray	Ceiling Tile	None Detected
163		A44515A	Tan	Covebase	None Detected
		A44515B	Cream	Mastic	None Detected
164		A44516A	Tan	Covebase	None Detected
		A44516B	Cream	Mastic	None Detected
165		A44517A	Brown	Covebase	None Detected
		A44517B	Cream	Mastic	None Detected
166		A44518A	Brown	Covebase	None Detected
		A44518B	Cream	Mastic	None Detected
167		A44519A	Maroon	Covebase	None Detected
		A44519B	Cream	Mastic	None Detected
168		A44520A	Maroon	Covebase	None Detected
		A44520B	Cream	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
169		A44521	Black	Caulk	None Detected
170		A44522	Black	Caulk	None Detected
171		A44523	Gray	Pipe Sealant	None Detected
172		A44524	Gray	Pipe Sealant	None Detected
173		A44525A	Tan	Floor Tile	None Detected
		A44525B	Yellow	Mastic	None Detected
174		A44526A	Tan	Floor Tile	None Detected
		A44526B	Yellow	Mastic	None Detected
175		A44527A	Tan	Floor Tile	None Detected
		A44527B	Yellow	Mastic	None Detected
176		A44528A	Tan	Floor Tile	None Detected
		A44528B	Yellow	Mastic	None Detected
177		A44529A	White,Tan	Floor Tile	None Detected
		A44529B	Yellow	Mastic	None Detected
178		A44530A	White,Tan	Floor Tile	None Detected
		A44530B	Yellow	Mastic	None Detected
179		A44531A	Dark Gray	Covebase	None Detected
		A44531B	Cream	Mastic	None Detected
180		A44532A	Dark Gray	Covebase	None Detected
		A44532B	Cream	Mastic	None Detected
181		A44533A	Light Brown	Covebase	None Detected
		A44533B	Cream	Mastic	None Detected
182		A44534A	Light Brown	Covebase	None Detected
		A44534B	Cream	Mastic	None Detected
183		A44535	White	Caulk	None Detected
184		A44536	White	Caulk	None Detected
185		A44537A	Gray	Covebase	None Detected
		A44537B	Cream	Mastic	None Detected
186		A44538A	Gray	Covebase	None Detected
		A44538B	Cream	Mastic	None Detected
187		A44539A	Gray	Covebase	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
		A44539B	Cream	Mastic	None Detected
188		A44540A	Gray	Covebase	None Detected
		A44540B	Cream	Mastic	None Detected
189		A44541	Gray	Sink Undercoating	None Detected
190		A44542	Gray	Sink Undercoating	None Detected
191	Layer 1	A44543	Beige	Vinyl Sheet Flooring	None Detected
	Layer 2	A44543	Yellow	Mastic	None Detected
192	Layer 1	A44544	Beige	Vinyl Sheet Flooring	None Detected
	Layer 2	A44544	Yellow	Mastic	None Detected
193		A44545	Gray	Caulk	None Detected
194		A44546	Gray	Caulk	None Detected
195		A44547A	Tan	Floor Tile	None Detected
		A44547B	Yellow	Mastic	None Detected
196		A44548A	Tan	Floor Tile	None Detected
		A44548B	Yellow	Mastic	None Detected
197		A44549A	White	Covebase	None Detected
		A44549B	Cream	Mastic	None Detected
198		A44550A	White	Covebase	None Detected
		A44550B	Cream	Mastic	None Detected
199		A44551	White	Ceiling Tile	None Detected
200		A44552	White	Ceiling Tile	None Detected
203		A44553A	Red	Floor Tile	None Detected
		A44553B	Yellow	Mastic	None Detected
204		A44554A	Red	Floor Tile	None Detected
		A44554B	Yellow	Mastic	None Detected
205		A44555	Brown	Parquet Floor Mastic	None Detected
206		A44556	Brown	Parquet Floor Mastic	None Detected
209		A44557	Brown	Tread Mastic	None Detected
210		A44558	Brown	Tread Mastic	None Detected
211	Layer 1	A44559	Gray	Floor Leveling Compound	None Detected
	Layer 2	A44559	Yellow	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
212	Layer 1	A44560	Gray	Floor Leveling Compound	None Detected
	Layer 2	A44560	Yellow	Mastic	None Detected
213		A44561	Gray	Floor Leveling Compound	None Detected
214		A44562	Gray	Floor Leveling Compound	None Detected
215		A44563	Gray	Floor Leveling Compound	None Detected
216		A44564	Red	Fire Stop	None Detected
217		A44565	Red	Fire Stop	None Detected
218		A44566	Red	Fire Stop	None Detected
219		A44567	Black	Duct Expansion Joint	None Detected
220		A44568	Black	Duct Expansion Joint	None Detected
223	Layer 1	A44569	Gray	Pipe Insulation	Chrysotile 45%
	Layer 2	A44569	Tan	Pipe Insulation	None Detected
224		A44570		Sample Not Analyzed per COC	
225		A44571		Sample Not Analyzed per COC	
226		A44572		Sample Not Analyzed per COC	
227		A44573		Sample Not Analyzed per COC	
228		A44574		Sample Not Analyzed per COC	
229		A44575		Sample Not Analyzed per COC	
230		A44576	Black	Duct Lining	None Detected
231		A44577	Black	Duct Lining	None Detected
232		A44578	Black	Duct Lining	None Detected
233		A44579	Black	Duct Lining	None Detected
234		A44580	Black	Duct Lining	None Detected
235		A44581	Black	Duct Lining	None Detected
236		A44582	Black	Duct Lining	None Detected
237	Layer 1	A44583	Yellow	Mastic	None Detected
	Layer 2	A44583	Red	Underlayment	None Detected
	Layer 3	A44583	Gray	Paper	None Detected
238	Layer 1	A44584	Yellow	Mastic	None Detected
	Layer 2	A44584	Red	Underlayment	None Detected
	Layer 3	A44584	Gray	Paper	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
239	Layer 1	A44585	Yellow	Mastic	None Detected
	Layer 2	A44585	Red	Underlayment	None Detected
	Layer 3	A44585	Gray	Paper	None Detected
240	Layer 1	A44586	Yellow	Mastic	None Detected
	Layer 2	A44586	Red	Underlayment	None Detected
	Layer 3	A44586	Gray	Paper	None Detected
241	Layer 1	A44587	Yellow	Mastic	None Detected
	Layer 2	A44587	Red	Underlayment	None Detected
	Layer 3	A44587	Gray	Paper	None Detected
242		A44588	Brown,Gray	Duct Mastic	None Detected
243		A44589	Brown	Duct Mastic	None Detected
244		A44590	Brown	Duct Mastic	None Detected
247		A44591	Gray	Ceiling Tile	None Detected
248		A44592	Gray	Ceiling Tile	None Detected
249		A44593	Gray	Duct Mastic	None Detected
250		A44594	Gray	Duct Mastic	None Detected
251		A44595	Gray	Duct Mastic	None Detected
254		A44596A	White	Floor Tile	Chrysotile 10%
		A44596B	Black	Mastic	None Detected
255		A44597A		Sample Not Analyzed per COC	
		A44597B	Black	Mastic	None Detected
256		A44598A	Green	Floor Tile	Chrysotile 10%
		A44598B	Black	Mastic	None Detected
257		A44599A		Sample Not Analyzed per COC	
		A44599B	Black	Mastic	None Detected
258		A44600A	Maroon	Floor Tile	Chrysotile 10%
		A44600B	Black	Mastic	None Detected
259		A44601A		Sample Not Analyzed per COC	
		A44601B	Black	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevess, OH 45002

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1 A44369	Ceiling Tile	Heterogeneous Gray Fibrous Bound	15% 5%	Cellulose Fiberglass	80%	Gypsum	None Detected
2 A44370	Ceiling Tile	Heterogeneous Gray Fibrous Bound	15% 5%	Cellulose Fiberglass	80%	Gypsum	None Detected
3 A44371A	Floor Tile	Heterogeneous Black Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
A44371B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	90% 5%	Mastic Silicates	2% Chrysotile
4 A44372A	Floor Tile	Heterogeneous Black Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
A44372B	Sample Not Analyzed per COC						
5 Layer 1 A44373	Textured Wall Covering	Heterogeneous White Fibrous Bound	35%	Fiberglass	65%	Binder	None Detected
Layer 2 A44373	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
6 Layer 1 A44374	Textured Wall Covering	Heterogeneous White Fibrous Bound	35%	Fiberglass	65%	Binder	None Detected
Layer 2 A44374	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
7 A44375	Caulk	Heterogeneous Clear Non-fibrous Bound			100%	Caulk	None Detected
8 A44376	Caulk	Heterogeneous Clear Non-fibrous Bound			100%	Caulk	None Detected
9 A44377A	Floor Tile	Heterogeneous Beige Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
A44377B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	90% 5%	Mastic Silicates	2% Chrysotile
10 A44378A	Floor Tile	Heterogeneous Beige Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
A44378B	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
11 A44379	Wall Covering Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
12 A44380	Wall Covering Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
13 Layer 1 A44381	Joint Compound	Heterogeneous White Non-fibrous Bound		5% Silicates 55% Calc Carb 40% Binder	None Detected
Layer 2 A44381	Drywall	Heterogeneous Gray Fibrous Bound	15% Cellulose	85% Gypsum	None Detected
14 Layer 1 A44382	Joint Compound	Heterogeneous White Non-fibrous Bound		5% Silicates 55% Calc Carb 40% Binder	None Detected
Layer 2 A44382	Drywall	Heterogeneous Gray Fibrous Bound	15% Cellulose	85% Gypsum	None Detected
15 Layer 1 A44383	Joint Compound	Heterogeneous White Non-fibrous Bound		5% Silicates 40% Calc Carb 55% Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
Layer 2 A44383	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
16 Layer 1 A44384	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 40% 55%	Silicates Calc Carb Binder	None Detected
Layer 2 A44384	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
17 Layer 1 A44385	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44385	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
18 Layer 1 A44386	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44386	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
19 Layer 1 A44387	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44387	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
20 Layer 1 A44388	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44388	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
21 Layer 1 A44389	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44389	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
22 Layer 1 A44390	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44390	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
23 Layer 1 A44391	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44391	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
24 Layer 1 A44392	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44392	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
25 Layer 1 A44393	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44393	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
26	Joint Compound	Heterogeneous			5%	Silicates	None Detected
Layer 1		White			55%	Calc Carb	
A44394		Non-fibrous			40%	Binder	
		Bound					
Layer 2	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
A44394		Gray					
		Fibrous					
		Bound					
27	Joint Compound	Heterogeneous			5%	Silicates	None Detected
Layer 1		White			55%	Calc Carb	
A44395		Non-fibrous			40%	Binder	
		Bound					
Layer 2	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
A44395		Gray					
		Fibrous					
		Bound					
28	Joint Compound	Heterogeneous			5%	Silicates	None Detected
Layer 1		White			55%	Calc Carb	
A44396		Non-fibrous			40%	Binder	
		Bound					
Layer 2	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
A44396		Gray					
		Fibrous					
		Bound					
29	Joint Compound	Heterogeneous			5%	Silicates	None Detected
Layer 1		White			55%	Calc Carb	
A44397		Non-fibrous			40%	Binder	
		Bound					

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44397	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
30 Layer 1 A44398	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44398	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
31 Layer 1 A44399	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44399	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
32 Layer 1 A44400	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44400	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
33 Layer 1 A44401	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44401	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
34 Layer 1 A44402	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44402	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
35 Layer 1 A44403	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44403	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
36 Layer 1 A44404	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
Layer 2 A44404	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
37 Layer 1 A44405	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44405	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
38 Layer 1 A44406	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44406	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
39 Layer 1 A44407	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44407	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44102

Lab Code: A18-6941
Date Received: 07-10-18
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Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
40 Layer 1 A44408	Joint Compound	Heterogeneous			5%	Silicates	None Detected
		White			55%	Calc Carb	
		Non-fibrous			40%	Binder	
		Bound					
Layer 2 A44408	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray					
		Fibrous					
		Bound					
41 Layer 1 A44409	Joint Compound	Heterogeneous			5%	Silicates	None Detected
		White			55%	Calc Carb	
		Non-fibrous			40%	Binder	
		Bound					
Layer 2 A44409	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray					
		Fibrous					
		Bound					
42 Layer 1 A44410	Joint Compound	Heterogeneous			5%	Silicates	None Detected
		White			55%	Calc Carb	
		Non-fibrous			40%	Binder	
		Bound					
Layer 2 A44410	Drywall	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray					
		Fibrous					
		Bound					
43 Layer 1 A44411	Joint Compound	Heterogeneous			5%	Silicates	None Detected
		White			55%	Calc Carb	
		Non-fibrous			40%	Binder	
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevcs, OH 45002

Lab Code: A18-6941
Date Received: 07-10-18
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
Layer 2 A44411	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
44 Layer 1 A44412	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44412	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
45 Layer 1 A44413	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44413	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
46 Layer 1 A44414	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44414	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

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8090 Furlong Dr.
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
47 Layer 1 A44415	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44415	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
48 Layer 1 A44416	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44416	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
49 Layer 1 A44417	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44417	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
50 Layer 1 A44418	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44418	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
51 Layer 1 A44419	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44419	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
52 Layer 1 A44420	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44420	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
53 Layer 1 A44421	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44421	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
54 Layer 1 A44422	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44422	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
55 Layer 1 A44423	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44423	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
56 Layer 1 A44424	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44424	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
57 Layer 1 A44425	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected

ASBESTOS BULK ANALYSIS

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44425	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
58 Layer 1 A44426	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44426	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
59 Layer 1 A44427	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44427	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
60 Layer 1 A44428	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44428	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
61 Layer 1 A44429	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44429	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
62 Layer 1 A44430	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44430	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
63 Layer 1 A44431	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44431	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
64 Layer 1 A44432	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected

ASBESTOS BULK ANALYSIS

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44432	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
65 Layer 1 A44433	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44433	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
66 Layer 1 A44434	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44434	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
67 Layer 1 A44435	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44435	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
68 Layer 1 A44436	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44436	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
69 Layer 1 A44437	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44437	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
70 Layer 1 A44438	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44438	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
71 Layer 1 A44439	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44439	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
72 Layer 1 A44440	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44440	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
73 Layer 1 A44441	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44441	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
74 Layer 1 A44442	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44442	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevess, OH 45002

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
75 Layer 1 A44443	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44443	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
76 Layer 1 A44444	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Silicates Calc Carb Binder	None Detected
Layer 2 A44444	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 35% 58%	Silicates Calc Carb Binder	2% Chrysotile
Layer 3 A44444	Drywall	Heterogeneous Gray Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected
Layer 4 A44444	Drywall/Joint Compound	Heterogeneous Gray,White Fibrous Bound	15%	Cellulose	65% 20%	Gypsum Calc Carb	<1% Chrysotile
Lab Notes: 2% chrysotile in second layer of joint compound only; <1% overall							
77 Layer 1 A44445	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected

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			Fibrous		Non-Fibrous		
Layer 2 A44445	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55%	Silicates	<1% Chrysotile
					45%	Binder	
78 Layer 1 A44446	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5%	Paint	None Detected
					95%	Binder	
Layer 2 A44446	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55%	Silicates	<1% Chrysotile
					45%	Binder	
79 Layer 1 A44447	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5%	Paint	None Detected
					95%	Binder	
Layer 2 A44447	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Synthetic Fiber	30%	Silicates	None Detected
					55%	Binder	
					15%	Vermiculite	
80 Layer 1 A44448	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5%	Paint	None Detected
					95%	Binder	
Layer 2 A44448	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Synthetic Fiber	30%	Silicates	None Detected
					55%	Binder	
					15%	Vermiculite	

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
81 Layer 1 A44449	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White			95%	Binder	
		Non-fibrous					
		Bound					
Layer 2 A44449	Plaster Base Coat	Heterogeneous	<1%	Synthetic Fiber	30%	Silicates	None Detected
		Gray			55%	Binder	
		Non-fibrous			15%	Vermiculite	
		Bound					
82 Layer 1 A44450	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White			95%	Binder	
		Non-fibrous					
		Bound					
Layer 2 A44450	Plaster Base Coat	Heterogeneous	<1%	Synthetic Fiber	30%	Silicates	None Detected
		Gray			55%	Binder	
		Non-fibrous			15%	Vermiculite	
		Bound					
83 Layer 1 A44451	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White			95%	Binder	
		Non-fibrous					
		Bound					
Layer 2 A44451	Plaster Base Coat	Heterogeneous	<1%	Synthetic Fiber	30%	Silicates	None Detected
		Gray			55%	Binder	
		Non-fibrous			15%	Vermiculite	
		Bound					
84 Layer 1 A44452	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White			95%	Binder	
		Non-fibrous					
		Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
Layer 2 A44452	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected
85 Layer 1 A44453	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44453	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected
86 Layer 1 A44454	Texture	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Paint Calc Carb Binder	None Detected
Layer 2 A44454	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			100%	Binder	None Detected
Layer 3 A44454	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected
87 Layer 1 A44455	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
Layer 2 A44455	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected
88 Layer 1 A44456	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44456	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected
89 Layer 1 A44457	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44457	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected
90 Layer 1 A44458	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44458	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	70% 30%	Silicates Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
91 Layer 1 A44459	Texture	Heterogeneous			5%	Silicates	None Detected
		White			55%	Calc Carb	
		Non-fibrous			40%	Binder	
		Bound					
Layer 2 A44459	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White			95%	Binder	
		Non-fibrous					
		Bound					
Layer 3 A44459	Plaster Base Coat	Heterogeneous	<1%	Cellulose	35%	Silicates	None Detected
		Gray			45%	Binder	
		Non-fibrous			20%	Perlite	
		Bound					
92 Layer 1 A44460	Texture	Heterogeneous			5%	Silicates	None Detected
		White			55%	Calc Carb	
		Non-fibrous			40%	Binder	
		Bound					
Layer 2 A44460	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White			95%	Binder	
		Non-fibrous					
		Bound					
Layer 3 A44460	Plaster Base Coat	Heterogeneous	<1%	Cellulose	35%	Silicates	None Detected
		Gray			45%	Binder	
		Non-fibrous			20%	Perlite	
		Bound					
93 Layer 1 A44461	Plaster Skim Coat	Heterogeneous	5%	Cellulose	5%	Paint	None Detected
		White			90%	Binder	
		Non-fibrous					
		Bound					

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			Fibrous		Non-Fibrous		
Layer 2 A44461	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
94 Layer 1 A44462	Texture	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Paint Calc Carb Binder	None Detected
Layer 2 A44462	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			100%	Binder	None Detected
Layer 3 A44462	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	35% 45% 20%	Silicates Binder Perlite	None Detected
95 Layer 1 A44463	Texture	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Paint Calc Carb Binder	None Detected
Layer 2 A44463	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			100%	Binder	None Detected
Layer 3 A44463	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	35% 45% 20%	Silicates Binder Perlite	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
96 Layer 1 A44464	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White		95%	Binder		
		Non-fibrous					
		Bound					
Layer 2 A44464	Plaster Base Coat	Heterogeneous	<1%	Cellulose	55%	Silicates	None Detected
		Gray			45%	Binder	
		Non-fibrous					
		Bound					
97 Layer 1 A44465	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White		95%	Binder		
		Non-fibrous					
		Bound					
Layer 2 A44465	Plaster Base Coat	Heterogeneous	<1%	Cellulose	55%	Silicates	None Detected
		Gray			45%	Binder	
		Non-fibrous					
		Bound					
98 Layer 1 A44466	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White		95%	Binder		
		Non-fibrous					
		Bound					
Layer 2 A44466	Plaster Base Coat	Heterogeneous	<1%	Cellulose	55%	Silicates	None Detected
		Gray			45%	Binder	
		Non-fibrous					
		Bound					
99 Layer 1 A44467	Plaster Skim Coat	Heterogeneous			5%	Paint	None Detected
		White		95%	Binder		
		Non-fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44467	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	55%	Silicates Binder	None Detected
100 Layer 1 A44468	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44468	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1% <1%	Cellulose Hair	45% 55%	Silicates Binder	<1% Chrysotile
101 Layer 1 A44469	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44469	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1% <1%	Cellulose Hair	45% 55%	Silicates Binder	<1% Chrysotile
102 Layer 1 A44470	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44470	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1% <1%	Cellulose Hair	45% 55%	Silicates Binder	<1% Chrysotile

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
103 Layer 1 A44471	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44471	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1% <1%	Cellulose Hair	45% 55%	Silicates Binder	<1% Chrysotile
104 Layer 1 A44472	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 A44472	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound	<1% <1%	Cellulose Hair	45% 55%	Silicates Binder	<1% Chrysotile
119 A44473	Carpet Mastic	Heterogeneous Yellow Non-fibrous Bound	<1%	Synthetic Fiber	95% 5%	Mastic Silicates	None Detected
120 A44474	Carpet Mastic	Heterogeneous Yellow Non-fibrous Bound	<1%	Synthetic Fiber	95% 5%	Mastic Silicates	None Detected
121 A44475	Carpet Mastic	Heterogeneous Yellow Non-fibrous Bound	<1%	Synthetic Fiber	95% 5%	Mastic Silicates	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
129 A44483	Ceiling Tile	Heterogeneous	75%	Cellulose	5%	Paint	None Detected
		Gray,White	10%	Fiberglass	10%	Perlite	
		Fibrous					
		Bound					
130 A44484	Ceiling Tile	Heterogeneous	75%	Cellulose	5%	Paint	None Detected
		Gray,White	10%	Fiberglass	10%	Perlite	
		Fibrous					
		Bound					
131 A44485	Ceiling Tile	Heterogeneous	75%	Cellulose	5%	Paint	None Detected
		Gray,White	10%	Fiberglass	10%	Perlite	
		Fibrous					
		Bound					
132 A44486	Ceiling Tile	Heterogeneous	75%	Cellulose	5%	Paint	None Detected
		Gray,White	10%	Fiberglass	10%	Perlite	
		Fibrous					
		Bound					
133 A44487	Hardwood Floor Paper	Heterogeneous	80%	Cellulose	20%	Binder	None Detected
		Black					
		Fibrous					
		Bound					
134 A44488	Hardwood Floor Paper	Heterogeneous	80%	Cellulose	20%	Binder	None Detected
		Black					
		Fibrous					
		Bound					
135 A44489	Hardwood Floor Paper	Heterogeneous	80%	Cellulose	20%	Binder	None Detected
		Black					
		Fibrous					
		Bound					

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			Fibrous		Non-Fibrous		
136 A44490	Hardwood Floor Paper	Heterogeneous Black Fibrous Bound	80%	Cellulose	20%	Binder	None Detected
137 A44491	Hardwood Floor Paper	Heterogeneous Black Fibrous Bound	80%	Cellulose	20%	Binder	None Detected
140 A44492	Ceiling Tile	Heterogeneous Gray Fibrous Bound	10% 55% 15%	Cellulose Fiberglass Synthetic Fiber	15% 5%	Binder Perlite	None Detected
141 A44493	Ceiling Tile	Heterogeneous Gray Fibrous Bound	10% 55% 15%	Cellulose Fiberglass Synthetic Fiber	15% 5%	Binder Perlite	None Detected
142 A44494	Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
143 A44495	Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
144 A44496	Sink Undercoating	Heterogeneous White Fibrous Bound	35%	Cellulose	55% 10%	Binder Silicates	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous		Non-Fibrous		
145 A44497	Sink Undercoating	Heterogeneous White Fibrous Bound	35%	Cellulose	55% 10%	Binder Silicates	None Detected
146 A44498A	Covebase	Heterogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
A44498B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
147 A44499A	Covebase	Heterogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
A44499B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
148 A44500	Spline Ceiling	Heterogeneous Tan Fibrous Bound	95%	Cellulose	2% 3%	Paint Binder	None Detected
149 A44501	Spline Ceiling	Heterogeneous Tan Fibrous Bound	95%	Cellulose	2% 3%	Paint Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
150 A44502	Spline Ceiling Mastic	Heterogeneous Brown Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected
151 A44503	Spline Ceiling Mastic	Heterogeneous Brown Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected
152 A44504	Spline Ceiling Mastic	Heterogeneous Brown Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected
153 A44505	Spline Ceiling Mastic	Heterogeneous Brown Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected
154 A44506	Spline Ceiling Mastic	Heterogeneous Brown Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected
155 A44507A	Floor Tile	Heterogeneous Tan Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
A44507B	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous	Non-Fibrous	
A44507C	Floor Tile	Heterogeneous Brown Non-fibrous Bound	83% 15%	Vinyl Silicates	2% Chrysotile
A44507D	Mastic	Heterogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
A44507E	Floor Tile	Heterogeneous White Non-fibrous Bound	80% 15%	Vinyl Silicates	5% Chrysotile
A44507F	Mastic	Heterogeneous Black Non-fibrous Bound	90% 5%	Mastic Silicates	5% Chrysotile
A44507G	Floor Tile	Heterogeneous Gray Non-fibrous Bound	78% 15%	Vinyl Silicates	7% Chrysotile
A44507H	Mastic	Heterogeneous Black Non-fibrous Bound	90% 5%	Mastic Silicates	5% Chrysotile
156 A44508A	Floor Tile	Heterogeneous Tan Non-fibrous Bound	85% 15%	Vinyl Silicates	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous	Non-Fibrous	
A44508B	Mastic	Heterogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
A44508C	Sample Not Analyzed per COC				
A44508D	Mastic	Heterogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
Lab Notes: white and gray floor tiles not present					
157 A44509A	Covebase	Heterogeneous Blue Non-fibrous Bound	100%	Vinyl	None Detected
A44509B	Mastic	Heterogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
158 A44510A	Covebase	Heterogeneous Blue Non-fibrous Bound	100%	Vinyl	None Detected
A44510B	Mastic	Heterogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
159 A44511A	Covebase	Heterogeneous Black Non-fibrous Bound	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A44511B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
160 A44512A	Covebase	Heterogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected
A44512B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
161 A44513	Ceiling Tile	Heterogeneous Gray Fibrous Bound	65%	Cellulose	5%	Paint	None Detected
			15%	Fiberglass	15%	Perlite	
162 A44514	Ceiling Tile	Heterogeneous Gray Fibrous Bound	65%	Cellulose	5%	Paint	None Detected
			15%	Fiberglass	15%	Perlite	
163 A44515A	Covebase	Heterogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
A44515B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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Clevess, OH 45002

Lab Code: A18-6941
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
164 A44516A	Covebase	Heterogeneous Tan Non-fibrous Bound		100% Vinyl	None Detected
A44516B	Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
165 A44517A	Covebase	Heterogeneous Brown Non-fibrous Bound		100% Vinyl	None Detected
A44517B	Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
166 A44518A	Covebase	Heterogeneous Brown Non-fibrous Bound		100% Vinyl	None Detected
A44518B	Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
167 A44519A	Covebase	Heterogeneous Maroon Non-fibrous Bound		100% Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A44519B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
168 A44520A	Covebase	Heterogeneous Maroon Non-fibrous Bound			100%	Vinyl	None Detected
A44520B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
169 A44521	Caulk	Heterogeneous Black Non-fibrous Bound			95% 5%	Binder Silicates	None Detected
170 A44522	Caulk	Heterogeneous Black Non-fibrous Bound			95% 5%	Binder Silicates	None Detected
171 A44523	Pipe Sealant	Heterogeneous Gray Non-fibrous Bound	20%	Cellulose	75% 5%	Binder Silicates	None Detected
172 A44524	Pipe Sealant	Heterogeneous Gray Non-fibrous Bound	20%	Cellulose	75% 5%	Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941
Date Received: 07-10-18
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
173 A44525A	Floor Tile	Heterogeneous Tan Non-fibrous Bound		85% Vinyl 15% Silicates	None Detected
A44525B	Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
174 A44526A	Floor Tile	Heterogeneous Tan Non-fibrous Bound		85% Vinyl 15% Silicates	None Detected
A44526B	Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
175 A44527A	Floor Tile	Heterogeneous Tan Non-fibrous Bound		85% Vinyl 15% Silicates	None Detected
A44527B	Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
176 A44528A	Floor Tile	Heterogeneous Tan Non-fibrous Bound		85% Vinyl 15% Silicates	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
A44528B	Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
177 A44529A	Floor Tile	Heterogeneous White, Tan Non-fibrous Bound	85% 15%	Vinyl Silicates	None Detected
A44529B	Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
178 A44530A	Floor Tile	Heterogeneous White, Tan Non-fibrous Bound	85% 15%	Vinyl Silicates	None Detected
A44530B	Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
179 A44531A	Covebase	Heterogeneous Dark Gray Non-fibrous Bound	100%	Vinyl	None Detected
A44531B	Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
180 A44532A	Covebase	Heterogeneous Dark Gray Non-fibrous Bound		100% Vinyl	None Detected
A44532B	Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
181 A44533A	Covebase	Heterogeneous Light Brown Non-fibrous Bound		100% Vinyl	None Detected
A44533B	Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
182 A44534A	Covebase	Heterogeneous Light Brown Non-fibrous Bound		100% Vinyl	None Detected
A44534B	Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
183 A44535	Caulk	Heterogeneous White Non-fibrous Bound		100% Caulk	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
184 A44536	Caulk	Heterogeneous White Non-fibrous Bound	100%	Caulk	None Detected
185 A44537A	Covebase	Heterogeneous Gray Non-fibrous Bound	100%	Vinyl	None Detected
A44537B	Mastic	Heterogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
186 A44538A	Covebase	Heterogeneous Gray Non-fibrous Bound	100%	Vinyl	None Detected
A44538B	Mastic	Heterogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected
187 A44539A	Covebase	Heterogeneous Gray Non-fibrous Bound	100%	Vinyl	None Detected
A44539B	Mastic	Heterogeneous Cream Non-fibrous Bound	100%	Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
188 A44540A	Covebase	Heterogeneous Gray Non-fibrous Bound			100%	Vinyl	None Detected
A44540B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
189 A44541	Sink Undercoating	Heterogeneous Gray Fibrous Bound	35%	Cellulose	55% 10%	Binder Silicates	None Detected
190 A44542	Sink Undercoating	Heterogeneous Gray Fibrous Bound	35%	Cellulose	55% 10%	Binder Silicates	None Detected
191 Layer 1 A44543	Vinyl Sheet Flooring	Heterogeneous Beige Fibrous Bound	15%	Fiberglass	45% 40%	Vinyl Binder	None Detected
Layer 2 A44543	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
192 Layer 1 A44544	Vinyl Sheet Flooring	Heterogeneous Beige Fibrous Bound	15%	Fiberglass	45% 40%	Vinyl Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44544	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
193 A44545	Caulk	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	10% 90%	Silicates Binder	None Detected
194 A44546	Caulk	Heterogeneous Gray Non-fibrous Bound	<1%	Cellulose	10% 90%	Silicates Binder	None Detected
195 A44547A	Floor Tile	Heterogeneous Tan Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
A44547B	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
196 A44548A	Floor Tile	Heterogeneous Tan Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
A44548B	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
197 A44549A	Covebase	Heterogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
A44549B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
198 A44550A	Covebase	Heterogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
A44550B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
199 A44551	Ceiling Tile	Heterogeneous White Fibrous Bound	75% 5%	Cellulose Fiberglass	5% 15%	Paint Perlite	None Detected
200 A44552	Ceiling Tile	Heterogeneous White Fibrous Bound	75% 5%	Cellulose Fiberglass	5% 15%	Paint Perlite	None Detected
203 A44553A	Floor Tile	Heterogeneous Red Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
A44553B	Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
204 A44554A	Floor Tile	Heterogeneous Red Non-fibrous Bound		85% Vinyl 15% Silicates	None Detected
A44554B	Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
205 A44555	Parquet Floor Mastic	Heterogeneous Brown Non-fibrous Bound	2% Talc	93% Mastic 5% Silicates	None Detected
206 A44556	Parquet Floor Mastic	Heterogeneous Brown Non-fibrous Bound	2% Talc	93% Mastic 5% Silicates	None Detected
209 A44557	Tread Mastic	Heterogeneous Brown Non-fibrous Bound		95% Mastic 5% Silicates	None Detected
210 A44558	Tread Mastic	Heterogeneous Brown Non-fibrous Bound		95% Mastic 5% Silicates	None Detected

ASBESTOS BULK ANALYSIS

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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
211 Layer 1 A44559	Floor Leveling Compound	Heterogeneous		60% Silicates	None Detected
		Gray Non-fibrous Bound		40% Binder	
Layer 2 A44559	Mastic	Heterogeneous		100% Mastic	None Detected
		Yellow Non-fibrous Bound			
212 Layer 1 A44560	Floor Leveling Compound	Heterogeneous		60% Silicates	None Detected
		Gray Non-fibrous Bound		40% Binder	
Layer 2 A44560	Mastic	Heterogeneous		100% Mastic	None Detected
		Yellow Non-fibrous Bound			
213 A44561	Floor Leveling Compound	Heterogeneous		55% Silicates	None Detected
		Gray Non-fibrous Bound		45% Binder	
214 A44562	Floor Leveling Compound	Heterogeneous		65% Silicates	None Detected
		Gray Non-fibrous Bound		35% Binder	
215 A44563	Floor Leveling Compound	Heterogeneous		65% Silicates	None Detected
		Gray Non-fibrous Bound		35% Binder	

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
216 A44564	Fire Stop	Heterogeneous Red Non-fibrous Bound			100%	Binder	None Detected
217 A44565	Fire Stop	Heterogeneous Red Non-fibrous Bound			100%	Binder	None Detected
218 A44566	Fire Stop	Heterogeneous Red Non-fibrous Bound			100%	Binder	None Detected
219 A44567	Duct Expansion Joint	Heterogeneous Black Fibrous Bound	40%	Fiberglass	60%	Vinyl	None Detected
220 A44568	Duct Expansion Joint	Heterogeneous Black Fibrous Bound	40%	Fiberglass	60%	Vinyl	None Detected
223 Layer 1 A44569	Pipe Insulation	Heterogeneous Gray Fibrous Bound			45% 10%	Binder Calc Carb	45% Chrysotile
Layer 2 A44569	Pipe Insulation	Heterogeneous Tan Fibrous Bound	100%	Cellulose			
224 A44570	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44102

Lab Code: A18-6941
Date Received: 07-10-18
Date Analyzed: 07-12-18
Date Reported: 07-12-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
225 A44571	Sample Not Analyzed per COC						
226 A44572	Sample Not Analyzed per COC						
227 A44573	Sample Not Analyzed per COC						
228 A44574	Sample Not Analyzed per COC						
229 A44575	Sample Not Analyzed per COC						
230 A44576	Duct Lining	Heterogeneous Black Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
231 A44577	Duct Lining	Heterogeneous Black Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
232 A44578	Duct Lining	Heterogeneous Black Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
233 A44579	Duct Lining	Heterogeneous Black Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
234 A44580	Duct Lining	Heterogeneous Black Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44102

Lab Code: A18-6941
Date Received: 07-10-18
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
235 A44581	Duct Lining	Heterogeneous Black Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
236 A44582	Duct Lining	Heterogeneous Black Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
237 Layer 1 A44583	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A44583	Underlayment	Heterogeneous Red Fibrous Bound	45%	Cellulose	55%	Binder	None Detected
Layer 3 A44583	Paper	Heterogeneous Gray Fibrous Bound	100%	Cellulose			None Detected
238 Layer 1 A44584	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A44584	Underlayment	Heterogeneous Red Fibrous Bound	45%	Cellulose	55%	Binder	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 3 A44584	Paper	Heterogeneous Gray Fibrous Bound	100%	Cellulose			None Detected
239 Layer 1 A44585	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A44585	Underlayment	Heterogeneous Red Fibrous Bound	45%	Cellulose	55%	Binder	None Detected
Layer 3 A44585	Paper	Heterogeneous Gray Fibrous Bound	100%	Cellulose			None Detected
240 Layer 1 A44586	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A44586	Underlayment	Heterogeneous Red Fibrous Bound	45%	Cellulose	55%	Binder	None Detected
Layer 3 A44586	Paper	Heterogeneous Gray Fibrous Bound	100%	Cellulose			None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
241 Layer 1 A44587	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A44587	Underlayment	Heterogeneous Red Fibrous Bound	45%	Cellulose	55%	Binder	None Detected
Layer 3 A44587	Paper	Heterogeneous Gray Fibrous Bound	100%	Cellulose			None Detected
242 A44588	Duct Mastic	Heterogeneous Brown,Gray Non-fibrous Bound			90% 10%	Binder Silicates	None Detected
243 A44589	Duct Mastic	Heterogeneous Brown Non-fibrous Bound			90% 10%	Binder Silicates	None Detected
244 A44590	Duct Mastic	Heterogeneous Brown Non-fibrous Bound			90% 10%	Binder Silicates	None Detected
247 A44591	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75% 5%	Cellulose Fiberglass	5% 15%	Paint Perlite	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
248 A44592	Ceiling Tile	Heterogeneous	75%	Cellulose	5%	Paint	None Detected
		Gray	5%	Fiberglass	15%	Perlite	
		Fibrous					
		Bound					
249 A44593	Duct Mastic	Heterogeneous	5%	Cellulose	85%	Mastic	None Detected
		Gray			10%	Silicates	
		Non-fibrous					
		Bound					
250 A44594	Duct Mastic	Heterogeneous	5%	Cellulose	85%	Mastic	None Detected
		Gray			10%	Silicates	
		Non-fibrous					
		Bound					
251 A44595	Duct Mastic	Heterogeneous	5%	Cellulose	85%	Mastic	None Detected
		Gray			10%	Silicates	
		Non-fibrous					
		Bound					
254 A44596A	Floor Tile	Heterogeneous			80%	Vinyl	10% Chrysotile
		White			10%	Silicates	
		Fibrous					
		Bound					
A44596B	Mastic	Heterogeneous	5%	Cellulose	90%	Mastic	None Detected
Black			5%	Silicates			
Fibrous							
Bound							
255 A44597A	Sample Not Analyzed per COC						
A44597B	Mastic	Heterogeneous	5%	Cellulose	90%	Mastic	None Detected
Black			5%	Silicates			
Fibrous							
Bound							

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
256 A44598A	Floor Tile	Heterogeneous Green Fibrous Bound			80% 10%	Vinyl Silicates	10% Chrysotile
A44598B	Mastic	Heterogeneous Black Fibrous Bound	5%	Cellulose	90% 5%	Mastic Silicates	None Detected
257 A44599A	Sample Not Analyzed per COC						
A44599B	Mastic	Heterogeneous Black Fibrous Bound	5%	Cellulose	90% 5%	Mastic Silicates	None Detected
258 A44600A	Floor Tile	Heterogeneous Maroon Fibrous Bound			80% 10%	Vinyl Silicates	10% Chrysotile
A44600B	Mastic	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected
259 A44601A	Sample Not Analyzed per COC						
A44601B	Mastic	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation


REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

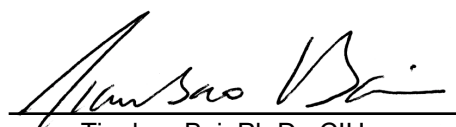
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


Candace Burrus

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director



730 SE Maynard Road, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

A18-0941 (SSI)
A44309-A44919

CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

Company:	WESTECH Environmental Solutions	Client #:	
Address:	8090 Furlong Drive	Job Contact:	Fred Wolnitzek
	Cleves, Ohio 45002	Email:	fred@gowestech.com
		Tel:	(513) 353-0700
Project Name:	4th and Walnut Center	Fax:	(513) 353-1701
Project ID #:	18.867.100	P.O. #:	18.867.100

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600							X
PLM POINT COUNT (400)	EPA 600							
PLM POINT COUNT (1000)	EPA 600							
PLM GRAVIMETRIC	EPA 600							
PLM GRAV w POINT COUNT	EPA 600							
PCM AIR	NIOSH 7400							
TEM AIR	AHERA							
TEM AIR	EPA Level II							
TEM AIR	NIOSH 7402							
TEM BULK	CHATFIELD							
TEM DUST WIPE	ASTM D6480-05							
TEM DUST MICROVAC	ASTM D5755-03							
TEM QUALITATIVE	CEI LABS							
OTHER:								
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B							
LEAD WIPE	EPA SW846 7000B							
LEAD SOIL	EPA SW846 7000B							
LEAD AIR	NIOSH 7082							
OTHER:								

REMARKS: and Plaster	Stop at first positive. Except Drywall and Joint Compound		X	Accept Samples
				Reject Samples
Relinquished By:	Date/Time	Received By:	Date/Time	
	7/5/18 7:45	MUS 7/16/18 9:05	MUS 7/19/18 8:00	

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis.

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
1	1	Ceiling Tile Drywall Fine texture 2'x4'	Snappy Tomato	NF	Snappy Tomato	
2	1	"	"	NF		
3	2	Floor Tile 12x12 Black with white specks & mastic	"	NF		
4	2	"	"	NF		
5	3	Textured wall covering & mastic	"	NF		
6	3	"	"	NF		
7	4	Clear Caulk	"	NF		
8	4	"	"	NF		
9	5	Floor Tile 12x12 beige mottled and mastic	"	NF		
10	5	"	"	NF		
11	6	Wall covering mastic	"	NF		
12	6	"	"	NF		
13	7	Drywall & Joint Compound 17th Floor	17th Floor	NF	↓	
14	7	"	19th Floor			
15	8	Drywall & Joint Compound 18th Floor	18th Floor kitchenette			
16	8	"	18th Floor Office			
17	9	Drywall & Joint Compound 17th Floor	17th Floor mechanical Room			
18	9	"	17th Floor office			
19	10	Drywall & Joint Compound 16th Floor	16th Floor office			
20	10	"	16th Floor office			
21	11	Drywall & Joint Compound 15th Floor	15th Floor office			
22	11	"	"	NF		

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
23	12	Drywall & Joint Compound 14th Floor	14th Floor Office	NF		
24	12	" "	" "			
25	13	Drywall & Joint Compound 13th Floor	13th Floor Office			
26	13	" "	" "			
27	14	Drywall & Joint Compound 12th Floor	12th Floor			
28	14	" "	" "			
29	15	Drywall & Joint Compound 14th Floor				
30	15	" "				
31	16	Drywall & Joint Compound 10th Floor				
32	16	" "				
33	17	Drywall & Joint Compound 9th Floor				
34	17	" "				
35	18	Drywall & Joint Compound 8th Floor				
36	18	" "				
37	19	Drywall & Joint Compound 7th Floor				
38	19	" "				
39	20	Drywall & Joint Compound 6th Floor				
40	20	" "				
41	21	Drywall & Joint Compound 6th Floor				
42	21	" "				
43	22	Drywall & Joint Compound 5th Floor				
44	22	" "		NF		

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11/11/18

11/11/18

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ASBESTOS SAMPLING LOG

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Project No:		18.867.100		Client:		Green City Demolition		Date:		
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		6/21/18,		
Sample ID	Hom. Area	Homogeneous Area Description		Sample Location		Friable / Non-friable		Homogeneous Area Locations		Quantity (LF/SF/CF)
46	23	Drywall & Joint Compound 5th C Floor				NF				
46	23	"								
47	24	Drywall & Joint Compound 4th A Floor								
48	24	"								
49	25	Drywall & Joint Compound 4th B Floor								
50	25	"								
51	26	Drywall & Joint Compound 4th C Floor								
52	26	"								
53	27	Drywall & Joint Compound 3rd A Floor								
54	27	"								
55	28	Drywall & Joint Compound 3rd B Floor								
56	28	"								
57	29	Drywall & Joint Compound 3rd C Floor								
58	29	"								
59	30	Drywall & Joint Compound 2nd A Floor								
60	30	"								
61	31	Drywall & Joint Compound 2nd B Floor								
62	31	"								
63	32	Drywall & Joint Compound 2nd C Floor								
64	32	"								
65	33	Drywall & Joint Compound 1st A Floor				NF				

ASBESTOS SAMPLING LOG

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Project No: 18.867.100

Client: Green City Demolition

Inspector: Kari Brwn and Fred Wolnitzek

Building: 4th and Walnut Center

Date: 01/00/00

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Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
66	33	Drywall & Joint Compound 1st Floor A				
67	34	Drywall & Joint Compound 1st Floor B				
68	34	" "				
69	35	Drywall & Joint Compound 1st Floor C				
70	35	" "				
71	36	Drywall & Joint Compound Ground Floor A				
72	36	" "				
73	37	Drywall & Joint Compound Ground Floor B				
74	37	" "				
75	38	Drywall & Joint Compound Ground Floor C				
76	38	" "				
77	39	Plaster, Walls, A	19th Floor		Throughout A Building	
78	39	" "	18th Floor			
79	39	" "	17th Floor			
80	39	" "	12th Floor			
81	39	" "	10th Floor			
82	39	" "	7th Floor			
83	39	" "	6th Floor			
84	40	Plaster, Walls, B	4th Floor		Throughout B Building	
85	40	" "	4th Floor			
86	40	" "	3rd Floor			
87	40	" "	2nd Floor			

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ASBESTOS SAMPLING LOG

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Project No: 18.867.100			Client: Green City Demolition			Date:
Inspector: Kari Brwn and Fred Wolnitzek			Building: 4th and Walnut Center			01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
88	40	Plaster, walls, B	2nd Floor mechanical room		Throughout B Building	
89	40	"	1st Floor			
90	40	"	Ground Floor			
91	41	Plaster, walls, C	5th Floor		Throughout C Building	
92	41	"	4th Floor			
93	41	"	6th Floor			
94	41	"	3rd Floor			
95	41	"	2nd Floor			
96	41	"	1st Floor			
97	41	"	Ground Floor			
98	42	Plaster, ceilings, A	18th Floor		Throughout A Building	
99	42	"	17th Floor			
100	42	"	15th Floor			
101	42	"	10th Floor			
102	42	"	7th Floor			
103	42	"	6th Floor			
104	42	"	12th Floor			
105	43	Plaster, ceilings, B			Throughout B Building	
106	43	"				
107	43	"				
108	43	"				
109	43	"				

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FWW

ASBESTOS SAMPLING LOG

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
110	43	Plaster, ceilings, B	FW		Throughout B Building	
111	43					
112	44	Plaster, ceilings, C	Decking FW		Throughout C Building	
113	44	"				
114	44	"				
115	44	"				
116	44	"				
117	44	"				
118	44	"				
119	45	Yellow Casper masonry	18th Floor		Throughout All	
120	45	"	12th Floor			
121	45	"	15th Floor			
122	45	"	6th Floor C Building			
123	45	"	5th Floor C Building			
124	45	"	3rd Floor C Building			
125	45	"	Ground Floor			
126	46	Ceiling Tile, 2x2, hole, pinhole	6th Floor C Building		Throughout All	
127	46		5th Floor C Building			

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnizek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
128	46	Ceiling Tile, 2x2, hole and pinhole	19th Floor		Through heart ABC Buildings	
129	46	"	17th Floor			
130	46	"	4th Floor C Building			
131	46	"	4th Floor B Building			
132	46	"	3rd Floor C Building			
133	47	Hardwood Floor Paper	19th Floor		Throughout A Building	
134	47	"	18th Floor			
135	47	"	15th Floor		15	
136	47	"	11th Floor			
137	47	"	7th Floor			
138	47	"	10th Floor			
139	47	"	10th Floor			
140	48	Ceiling Tile, 2x2, gray	19th Floor Corner office		19 Floor A Building	
141	48	"	"		"	
142	49	Caulk, white, (elevators)	16th Floor		A Building	
143	49	"	5th Floor		"	
144	50	Sink undercoating, white	18th Floor Kitchenette		A Building	
145	50	"	17th Floor Kitchenette		"	
146	51	Core base, 6", tan, domestic	18th Floor A Building		6, 18	
147	51	"	6th Floor A Building			
148	52	Spline ceiling (1x1)	18th Floor Office		18 Building mechanical rooms	
149	52	"	12th Floor mechanical room		"	

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ASBESTOS SAMPLING LOG

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Project No: 18.867.100

Inspector: Kari Brwn and Fred Wolnitzek

Client: Green City Demolition

Building: 4th and Walnut Center

Date: 6/21/18

Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
150	53	spline ceiling mastic (pucks)	19th Floor		Ceilings throughout A	
151	53	"	18th Floor		"	
152	53	"	16th Floor		"	
153	53	"	14th Floor		"	
154	53	"	7th Floor		"	
155	54	Floor tile, 12x12, tan mottled & mastic	18th Floor		A Building (18, 17, 9)	
156	54	"	17th Floor		"	
157	55	Cove base, 4", blue & mastic	12th Floor office		A Building (12, 17)	
158	55	"	18th Floor office			
159	56	Cove base, 4", black & mastic	16th Floor office		19, 16, 15	
160	56	"	"			
161	57	Ceiling Tile, 2x4', hole & fissure	18th Floor Office		18	
162	57	"	"		"	
163	58	Cove base, 4", tan, & mastic	14th Floor		19, 18, 14, 10	
164	58	"	10th Floor			
165	59	Cove base, 4", brown & mastic	17th Floor		17	
166	59	"	"			
167	60	Cove base, 4", maroon & mastic	18th Floor A Building		17, 12, 7	
168	60	"	7th Floor "			
169	61	Caulk, black	14th Floor		Office entry windows (17, 14)	
170	61	" sealant	12th Floor		"	
171	62	Pipe mastic, grey	16th Floor Mechanical Room		16th floor A Building	

Project No: 18.867.100		Client: Green City Demolition		Date: 6/21/18,		
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
172	62	Pipe caulk ^{sealant} , gray	16th Floor		16th Floor, A Building	
173	63	Floor Tile, 12x12, tan w/ tan & brown specks & mosaic	17th Floor Kitchenette		17th Floor, A Building	
174	63	"	"			
175	64	Floor Tile, 12x12, tan & mosaic			15th Floor Kitchenette A Building	
176	64	"			"	
177	65	Floor tile, 12x12, white w/ tan specks & mosaic	14th Floor		14th Floor Kitchenette A Building	
178	65	"	14th Floor			
179	66	Core Base, 4", dark gray & mosaic	13th Floor		13, 12, 10 Floors A Building	
180	66	"	10th Floor			
181	67	Core Base, 4", light brown & mosaic			13	
182	67	"				
183	68	Caulk, white	13th Floor		13th Floor Restrooms, A Building	
184	68	"	5th Floor			
185	69	Core base, 4", gray & mosaic	18th Floor A Building		13, 12, 10, 7 Floors A Building	
186	69	"	10th Floor A Building			
187	70	Core base, 4", green & mosaic			12th Floor A Building	
188	70	"				
189	71	Sink undercoating, gray	14th Floor		12 & 7 th Floors A Building	
190	71	"	6th Floor			
191	72	Vinyl sheet ^{beige} flooring, beige & mosaic			12th Floor A Building	
192	72	"				

18-041

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ASBESTOS SAMPLING LOG

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
193	73	Caulk, dark grey	12th Floor office entry windows		12th Floor office entry, windows	
194	73	"	7th Floor "		"	
195	74	Floor Tile, 12x12, tan mottled & mosaic	12th Floor kitchenette		10th Floor A Building	
196	74	"	"		"	
197	75	Core base, 4", white, & mosaic	10th floor office		10 & 7 Floors A Building	
198	75	"	7th Floor office		"	
199	76	Ceiling Tile, 2'x4', hole & pinhole			19th 10th Floor A Building	
200	76	"			"	
201	77	Caulk, grey			7th Floor office entry windows A Building	
202	77	"			"	
203	78	Floor tile, 12x12, mottled red & mosaic			7th Floor A Building	
204	78	"			"	
205	79	Parquet Floor mosaic	19th Floor		19th Floor A Building	
206	79	"	"		"	
207	80	Anywall & some compound paper Green			19th Floor A Building	
208	80	"			"	
209	81	Traced mosaic (1 trace each floor)	12th Floor		Five escape steps 1 per floor A Building	
210	81	"	12th Floor		"	
211	82	Floor leveling compound	16th Floor		A Building	
212	82	"	14th Floor			
213	82	"	1st Floor A Building			
214	82	"	1st Floor B Building			

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FWW

1960-814
A18-10941



ASBESTOS SAMPLING LOG

Page 5 of

Project No: 18.867.100		Client: Green City Demolition					Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center					01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)	
215	82	Floor leveling compound	4th Floor C Building		Building		
216	83	Red Fire Stop	16th Floor mechanical room		19, 6c		
217	83	"	12th Floor mechanical room				
218	83	"	6th Floor C				
219	84	Duct expansion joint	16th Floor mechanical room		mech. rooms A Building		
220	84	"	6th Floor				
221	85	Wood paneling waste			18th Floor Hall A Building		
222	85	"					
223	86	6 to 8" Pipe Insulation, water lines, vertical	18th Floor		Building Throughout		
224	86	"	14th Floor				
225	86	"	6 A				
226	86	"	5th Floor C Building				
227	86	"	1st Floor A Building				
228	86	"	1st Floor B Building				
229	86	"	Ground Floor B Building				
230	87	Duct lining, fibrous, black	16th Floor		Ducts, A Building		
231	87	"	15th Floor				
232	87	"	14th Floor				
233	87	"	12th Floor				
234	87	"	6th Floor				
235	87	"	5th Floor				
236	87	"	4th Floor				

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
232	88	Underlayment, layered - ^{mastic} paper	15th Floor		4, 15, 10	
238	88	"	10th Floor			
239	88	"	10th Floor			
240	88	"	4th Floor			
241	88	"	4th Floor			
242	89	Massic Mastic, duct, brown	16th Floor		4	
243	89	"	13th Floor			
244	89	"	4th Floor			
245	89	"	FLW			
246	89	"				
247	90	Ceiling Tile, 2x2, square pattern			14th Floor & Building	
248	90	"			"	
249	91	Mastic, duct, grey	16th Floor		15	
250	91	"	15th Floor			
251	91	"				
252	91	"	FLW			
253	91	"				
254	92	Floor Tile, 9x9, white & black mastic	15th Floor		15, 4	
255	92	"	4th Floor			
256	93	Floor Tile, 9x9, Green & black mastic	15th Floor		15, 11, 4	
257	93	"	11th Floor			
258	94	Floor Tile, 9x9, maroon & black mastic	18th Floor & Building		15	

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Project No:		18.867.100	Client:		Green City Demolition	Date:	
Inspector:		Kari Brwn and Fred Wolnizek	Building:		4th and Walnut Center	6/21/18,	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)	
259 94		Floor Tile, 9x9, maroon, & black mastic	15th Floor A Building		15		
260	95	Floor Tile, 12x12, white textured, & Black mastic	12th Floor		12 & 9, 10		
261 95	"	"	9th Floor		" "		
262 96		Floor Tile, 9x9, dark green & black mastic			12		
263 96	"	"			"		
264 97		Floor Tile, 9x9, Tan & Black mastic	15th Floor		12, 4		
265 97	"	"	12th Floor		"		
266 98		Floor Tile, 9x9, Brown & Black mastic	15th Floor		15, 11, 4		
267 98	"	"	11th Floor		"		
268 99		Floor Tile, 9x9, Black & Black mastic	10th Floor		10, 4		
269 99	"	"	4th Floor		"		
270 100		Floor Tile, 9x9, Gray & Black mastic	15th Floor		10, 4		
271 100	"	"	10th Floor		"		
272 101		Floor Tile, 12x12, Cream & mastic	10th Floor		10		
273 101	"	"	11th Floor		"		
274 102		Floor Tile, 9x9, light brown & mastic	11th Floor		11		
275 102	"	"	" "				
276 103		Floor Tile, 9x9, dark brown & mastic	15th floor		11		
277 103	"	"	11th Floor				
278 104		Floor Tile, 9x9, Beige & mastic	11th Floor		11, 6c		
279 104	"	"	6th Floor C Building				
280 105		Floor Tile, 12x12, beige mastic & mastic	Floor		4		

AS-0941

Allie Peregoy

From: Fred Wolnitzek <fred@gowestech.com>
Sent: Tuesday, July 10, 2018 3:13 PM
To: Allie Peregoy
Subject: RE: TAT Change

EXTERNAL EMAIL*

Thank you

Fred Wolnitzek



Address: 8090 Furlong Drive, Cleves, Ohio 45002
Office: 513.353.0700 Ext. 11 **Fax:** 513.353.1701 **Mobile:** 859.814.1607
Email: fred@gowestech.com
Website: www.gowestech.com

From: AlliePeregoy@eurofinsUS.com <AlliePeregoy@eurofinsUS.com>
Sent: Tuesday, July 10, 2018 3:08 PM
To: Fred Wolnitzek <fred@gowestech.com>
Subject: TAT Change

Hey Fred,

Per our conversation, we are going to attempt to get as many of your samples done for Fourth & Walnut Center as possible on a 2 day TAT. Samples that are not completed on the 2 day TAT, you will receive the results on Friday by the end of the day. I assure you that we will work as quickly as we can to get these samples out ASAP.

Let me know if you need anything else.

Best,

Allie Peregoy
Client Account Manager

Eurofins CEI
730 SE Maynard Road
Cary, NC 27511

Office: 919-481-1413
Cell: 919-608-7001

allie@ceilabs.com
www.eurofinsus.com/cei

July 26, 2018

WESTECH, Inc.
8090 Furlong Dr.
Cleves, OH 45002

CLIENT PROJECT: 4th and Walnut Center; 18.867.100 (Point Counts)
CEI LAB CODE: A18-6941.2

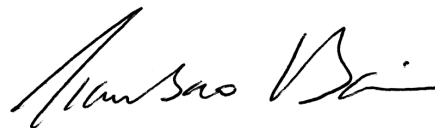
Dear Customer:

Enclosed are asbestos analysis results for PLM bulk samples received at our laboratory on July 19, 2018. The samples were analyzed for asbestos using polarized light microscopy (PLM) point count per the EPA 600 Method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the EPA 600 method is 0.25% for 400 point counts, or 0.1% for 1,000 point counts.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for
WESTECH, Inc.

CLIENT PROJECT: 4th and Walnut Center; 18.867.100 (Point Counts)

LAB CODE: A18-6941.2

TEST METHOD: PLM Point Count
EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/26/18

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.2
Date Received: 07-19-18
Date Analyzed: 07-26-18
Date Reported: 07-26-18

Project: 4th and Walnut Center; 18.867.100 (Point Counts)

ASBESTOS POINT COUNT PLM, EPA 600 METHOD

Client ID	Lab ID	Material Description	POINTS		ASBESTOS	
			Total	Asbestos	%	
76	A44444	Joint Compound	400	9	2.3%	Chrysotile
	A44444	Drywall/Joint Compound (Composite Result from Point Count)			0.12%	Chrysotile
Lab Notes: Sample contains 5% joint compound						
77	A44445	Plaster Base Coat	400	1	0.25%	Chrysotile
78	A44446	Plaster Base Coat	400	2	0.50%	Chrysotile
100	A44468	Plaster Base Coat	400	0	<0.25%	Chrysotile
Lab Notes: Chrysotile detected below limit of quantitation						
101	A44469	Plaster Base Coat	400	1	0.25%	Chrysotile
102	A44470	Plaster Base Coat	400	0	<0.25%	Chrysotile
Lab Notes: Chrysotile detected below limit of quantitation						
103	A44471	Plaster Base Coat	400	0	<0.25%	Chrysotile
Lab Notes: Chrysotile detected below limit of quantitation						
104	A44472	Plaster Base Coat	400	1	0.25%	Chrysotile

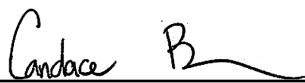
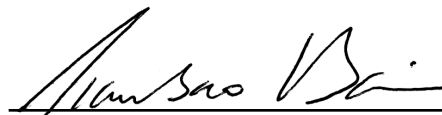
LEGEND: None

METHOD: EPA 600 / M4 / 82 / 020 (40 CFR Part 763, Sub. E, App. E)

REPORTING LIMIT: 0.25% by 400 points or 0.1% by 1,000 points

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. Estimated measurement of uncertainty is available on request. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:
Candace Burrus**APPROVED BY:**
Tianbao Bai, Ph.D., CIH
Laboratory Director

Kassidy Harris

From: Fred Wolnitzek <fred@gowestech.com>
Sent: Thursday, July 19, 2018 9:10 AM
To: Kassidy Harris
Subject: RE: Laboratory Report for 4th and Walnut Center; 18.867.100 (A18-6941)

EXTERNAL EMAIL*

See above job reference.

Please conduct PLM point counting (400) on sample 76. We need the results for the joint compound and the overall composite for the sample.

Please conduct PLM point counting (400) on layer 2 of samples 77, 78, 100, 101, 102, 103, and 104.

Normal 5-day turnaround time.

Please let me know you receive this email and will proceed with the analysis.

Thank you,

Fred Wolnitzek

Address: 8090 Furlong Drive, Cleves, Ohio 45002
Office: 513.353.0700 Ext. 11 Fax: 513.353.1701 Mobile: 859.814.1607
Email: fred@gowestech.com
Website: www.gowestech.com

-----Original Message-----

From: KassidyHarris@eurofinsUS.com <KassidyHarris@eurofinsUS.com>
Sent: Thursday, July 12, 2018 11:04 AM
To: Fred Wolnitzek <fred@gowestech.com>; Mike Westerfield <mwesterfield@gowestech.com>; Mike Westerfield <mwesterfield@gowestech.com>
Subject: Laboratory Report for 4th and Walnut Center; 18.867.100 (A18-6941)

Attached is the laboratory report for your recently submitted samples. Please print out a copy for your records.

We appreciate your business,

CEI Labs, Inc.
(866) 481-1412

The contents contained in this email are confidential and legally protected. If you happen to receive this email in error, please call our office and delete immediately.

July 13, 2018

WESTECH, Inc.
8090 Furlong Dr.
Cleves, OH 45002

CLIENT PROJECT: 4th and Walnut Center; 18.867.100
CEI LAB CODE: A18-6941.1

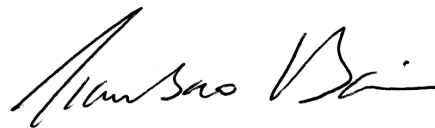
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on July 10, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

WESTECH, Inc.

CLIENT PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/13/18

TOTAL SAMPLES ANALYZED: 284

SAMPLES >1% ASBESTOS: 40

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
260		A44602A	White	Floor Tile	Chrysotile 2%
		A44602B	Black	Mastic	None Detected
261		A44603A		Sample Not Analyzed per COC	
		A44603B	Black	Mastic	None Detected
262		A44604A	Green	Floor Tile	Chrysotile 10%
		A44604B	Black	Mastic	None Detected
263		A44605A		Sample Not Analyzed per COC	
		A44605B	Black	Mastic	None Detected
264		A44606A	Tan	Floor Tile	Chrysotile 10%
		A44606B	Black	Mastic	None Detected
265		A44607A		Sample Not Analyzed per COC	
		A44607B	Black	Mastic	None Detected
266		A44608A	Brown	Floor Tile	Chrysotile 7%
		A44608B	Black	Mastic	None Detected
267		A44609A		Sample Not Analyzed per COC	
		A44609B	Black	Mastic	None Detected
268		A44610A	Black	Floor Tile	Chrysotile 10%
		A44610B	Black	Mastic	None Detected
269		A44611A		Sample Not Analyzed per COC	
		A44611B	Black	Mastic	None Detected
270		A44612A	Gray	Floor Tile	Chrysotile 10%
		A44612B	Black	Mastic	None Detected
271		A44613A		Sample Not Analyzed per COC	
		A44613B	Black	Mastic	None Detected
272		A44614A	Cream	Floor Tile	Chrysotile 7%
		A44614B	Black	Mastic	None Detected
273		A44615A		Sample Not Analyzed per COC	
		A44615B	Black	Mastic	None Detected
274		A44616A	Light Brown	Floor Tile	Chrysotile 10%
		A44616B	Black	Mastic	None Detected
275		A44617A		Sample Not Analyzed per COC	

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
		A44617B	Black	Mastic	None Detected
276		A44618A	Dark Brown	Floor Tile	Chrysotile 10%
		A44618B	Black	Mastic	None Detected
277		A44619A		Sample Not Analyzed per COC	
		A44619B	Black	Mastic	None Detected
278		A44620A	Beige	Floor Tile	Chrysotile 3%
		A44620A	Black	Mastic	Chrysotile 5%
279		A44621		Sample Not Analyzed per COC	
282		A44622	White, Silver	Paper Wrap On Fiberglass Pipe Insulation	None Detected
283		A44623	White, Silver	Paper Wrap On Fiberglass Pipe Insulation	None Detected
284		A44624	White, Silver	Paper Wrap On Fiberglass Pipe Insulation	None Detected
285		A44625	White, Silver	Paper Wrap On Fiberglass Pipe Insulation	None Detected
286		A44626	White, Silver	Paper Wrap On Fiberglass Pipe Insulation	None Detected
287		A44627	White, Silver	Paper Wrap On Fiberglass Pipe Insulation	None Detected
288		A44628	White, Silver	Paper Wrap On Fiberglass Pipe Insulation	None Detected
289		A44629A	Beige	Covebase	None Detected
		A44629B	Cream	Mastic	None Detected
290		A44630A	Beige	Covebase	None Detected
		A44630B	Cream	Mastic	None Detected
291		A44631	Black	Sink Undercoating	None Detected
292		A44632	Black	Sink Undercoating	None Detected
293		A44633	Light Blue	Spray-on Fireproofing	None Detected
294		A44634	Light Blue	Spray-on Fireproofing	None Detected
295		A44635	Light Blue	Spray-on Fireproofing	None Detected
296		A44636	Light Blue	Spray-on Fireproofing	None Detected
297		A44637	Light Blue	Spray-on Fireproofing	None Detected
298		A44638	Light Blue	Spray-on Fireproofing	None Detected
299		A44639	Light Blue	Spray-on Fireproofing	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
300		A44640	Tan	Duct Mastic	None Detected
301		A44641	Tan	Duct Mastic	None Detected
302		A44642A	Gray	Floor Tile	None Detected
		A44642B	Yellow	Mastic	None Detected
303		A44643A	Gray	Floor Tile	None Detected
		A44643B	Yellow	Mastic	None Detected
304		A44644	Black	Duct Mastic	Chrysotile 5%
305		A44645		Sample Not Analyzed per COC	
306		A44646		Sample Not Analyzed per COC	
307		A44647	Tan	Caulk	None Detected
308		A44648	Tan	Caulk	None Detected
309		A44649	Black	Mirror Mastic	Chrysotile 10%
310		A44650		Sample Not Analyzed per COC	
313		A44651	Beige,Gray	Floor Tile	None Detected
314		A44652	Beige,Gray	Floor Tile	None Detected
317		A44653	Cream	Tread Mastic	None Detected
318		A44654	Cream	Tread Mastic	None Detected
319		A44655A	Tan	Covebase	None Detected
		A44655B	Brown	Mastic	None Detected
320		A44656A	Tan	Covebase	None Detected
		A44656B	Brown	Mastic	None Detected
321		A44657	Gray	Ceiling Tile	None Detected
322		A44658	Gray	Ceiling Tile	None Detected
323		A44659A	Tan	Floor Tile	None Detected
		A44659B	Yellow	Mastic	None Detected
324		A44660A	Tan	Floor Tile	None Detected
		A44660B	Yellow	Mastic	None Detected
325		A44661A	Beige	Floor Tile	None Detected
		A44661B	Black	Mastic	None Detected
326		A44662A	Beige	Floor Tile	None Detected
		A44662B	Black	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
327		A44663	Beige	Spray-on Fireproofing	None Detected
328		A44664	Beige	Spray-on Fireproofing	None Detected
329		A44665	Beige	Spray-on Fireproofing	None Detected
330		A44666	Tan	Spray-on Fireproofing	None Detected
331		A44667	Tan	Spray-on Fireproofing	None Detected
332		A44668	Tan	Spray-on Fireproofing	None Detected
333		A44669	Tan	Spray-on Fireproofing	None Detected
334		A44670	Tan	Spray-on Fireproofing	None Detected
335		A44671	Tan	Spray-on Fireproofing	None Detected
336		A44672	Tan	Spray-on Fireproofing	None Detected
337		A44673A	Light Gray	Floor Tile	None Detected
		A44673B	Yellow	Mastic	None Detected
338		A44674A	Light Gray	Floor Tile	None Detected
		A44674B	Yellow	Mastic	None Detected
339		A44675A	Gray	Floor Tile	None Detected
		A44675B	Tan	Mastic	None Detected
340		A44676A	Gray	Floor Tile	None Detected
		A44676B	Tan	Mastic	None Detected
341		A44677A	Beige	Floor Tile	None Detected
		A44677B	Tan	Mastic	None Detected
342		A44678A	Beige	Floor Tile	None Detected
		A44678B	Tan	Mastic	None Detected
343		A44679A	Tan,Brown	Floor Tile	None Detected
		A44679B	Tan	Mastic	None Detected
344		A44680A	Tan,Brown	Floor Tile	None Detected
		A44680B	Tan	Mastic	None Detected
345		A44681A	Black	Covebase	None Detected
		A44681B	Cream	Mastic	None Detected
346		A44682A	Black	Covebase	None Detected
		A44682B	Cream	Mastic	None Detected
347		A44683	White	Ceiling Tile	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
348		A44684	White	Ceiling Tile	None Detected
349		A44685A	Tan, Yellow	Floor Tile	None Detected
	Layer 1	A44685B	Tan	Mastic	None Detected
	Layer 2	A44685B	Gray	Leveling Compound	None Detected
350		A44686A	Tan, Yellow	Floor Tile	None Detected
	Layer 1	A44686B	Tan	Mastic	None Detected
	Layer 2	A44686B	Gray	Leveling Compound	None Detected
351		A44687A	Cream, Blue	Floor Tile	None Detected
		A44687B	Tan	Mastic	None Detected
352		A44688A	Cream, Blue	Floor Tile	None Detected
		A44688B	Tan	Mastic	None Detected
355		A44689A	Gray	Floor Tile	None Detected
	Layer 1	A44689B	Clear, Tan	Mastic	None Detected
	Layer 2	A44689B	Gray	Leveling Compound	None Detected
356		A44690A	Gray	Floor Tile	None Detected
	Layer 1	A44690B	Clear, Tan	Mastic	None Detected
	Layer 2	A44690B	Gray	Leveling Compound	None Detected
357		A44691A	Cream, Tan	Floor Tile	None Detected
		A44691B	Black	Mastic	None Detected
358		A44692A	Cream, Tan	Floor Tile	None Detected
		A44692B	Black	Mastic	None Detected
359		A44693A	Tan	Covebase	None Detected
		A44693B	Cream	Mastic	None Detected
360		A44694A	Tan	Covebase	None Detected
		A44694B	Cream	Mastic	None Detected
361	Layer 1	A44695	Gray	Vinyl Sheet Flooring	None Detected
	Layer 2	A44695	Yellow	Mastic	None Detected
362	Layer 1	A44696	Gray	Vinyl Sheet Flooring	None Detected
	Layer 2	A44696	Yellow	Mastic	None Detected
363		A44697A	Black, Gray	Floor Tile	None Detected
		A44697B	Tan	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
364		A44698A	Black,Gray	Floor Tile	None Detected
		A44698B	Tan	Mastic	None Detected
365	Layer 1	A44699	Black	Floor Tile (Vinyl Flooring)	None Detected
	Layer 2	A44699	Black	Mastic	None Detected
366	Layer 1	A44700	Black	Floor Tile (Vinyl Flooring)	None Detected
	Layer 2	A44700	Black	Mastic	None Detected
367	Layer 1	A44701A	Tan	Mastic	None Detected
	Layer 2	A44701A	Tan	Floor Tile	Chrysotile 5%
		A44701B	Black	Mastic	None Detected
	Layer 1	A44701C	Beige	Leveling Compound	None Detected
	Layer 2	A44701C	Red	Floor Tile	Chrysotile 3%
368		A44702A		Sample Not Analyzed per COC	
		A44702B	Tan	Mastic	None Detected
371		A44703	Gray	Rope Fire Stop	Chrysotile 90%
372		A44704		Sample Not Analyzed per COC	
373		A44705		Sample Not Analyzed per COC	
374		A44706	Off-white	Hard Pipe Fittings	None Detected
375		A44707	Off-white	Hard Pipe Fittings	None Detected
376		A44708	Off-white	Hard Pipe Fittings	None Detected
377		A44709	Gray,Yellow	Pipe Insulation	None Detected
378		A44710	Gray,Yellow	Pipe Insulation	None Detected
379		A44711	Gray,Yellow	Pipe Insulation	None Detected
380		A44712A	Gray	Floor Tile	None Detected
		A44712B	Yellow	Mastic	None Detected
381		A44713A	Gray	Floor Tile	None Detected
		A44713B	Yellow	Mastic	None Detected
385		A44714	White	Caulk	None Detected
386		A44715	White	Caulk	None Detected
387		A44716	Off-white	Ceiling Texturing	None Detected
388		A44717	Off-white	Ceiling Texturing	None Detected
389		A44718	Off-white	Ceiling Texturing	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
390		A44719	Off-white	Ceiling Texturing	None Detected
391		A44720	Off-white	Ceiling Texturing	None Detected
392		A44721	Off-white	Ceiling Texturing	None Detected
393		A44722	Off-white	Ceiling Texturing	None Detected
397		A44723	Gray	Fire Door Insulation	None Detected
398		A44724	Gray	Fire Door Insulation	None Detected
399	Layer 1	A44725	Black	Roofing	None Detected
	Layer 2	A44725	Tan	Insulation	None Detected
400	Layer 1	A44726	Black	Roofing	None Detected
	Layer 2	A44726	Tan	Insulation	None Detected
401	Layer 1	A44727	Black	Roofing	None Detected
	Layer 2	A44727	White,Tan	Gypsum Board	None Detected
402	Layer 1	A44728	Black	Roofing	None Detected
	Layer 2	A44728	White,Tan	Gypsum Board	None Detected
403		A44729	Black	Roof Mastic	None Detected
404		A44730	Black	Roof Mastic	None Detected
405	Layer 1	A44731	Gray	Roofing	None Detected
	Layer 2	A44731	Brown	Insulation	None Detected
406	Layer 1	A44732	Gray	Roofing	None Detected
	Layer 2	A44732	Brown	Insulation	None Detected
407		A44733	White	Caulking	None Detected
408		A44734	White	Caulking	None Detected
409		A44735	Black	Shingle	None Detected
410		A44736	Black	Shingle	None Detected
411		A44737	Black	Roof Mastic	None Detected
412		A44738	Black	Roof Mastic	None Detected
413	Layer 1	A44739	White	Roofing	None Detected
	Layer 2	A44739	Yellow	Insulation	None Detected
414	Layer 1	A44740	White	Roofing	None Detected
	Layer 2	A44740	Yellow	Insulation	None Detected
415	Layer 1	A44741	Black	Roofing	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A44741	Brown	Insulation	None Detected
416	Layer 1	A44742	Black	Roofing	None Detected
	Layer 2	A44742	Brown	Insulation	None Detected
417		A44743	White	Caulking	None Detected
418		A44744	White	Caulking	None Detected
419		A44745	Black	Roofing	None Detected
420		A44746	Black	Roofing	None Detected
421		A44747	White	Caulking	None Detected
422		A44748	White	Caulking	None Detected
423		A44749	Gray	Window Glazing	Chrysotile 5%
424		A44750		Sample Not Analyzed per COC	
425		A44751	Off-white	Pipe Wrap	None Detected
426		A44752	Off-white	Pipe Wrap	None Detected
427		A44753	Off-white	Pipe Wrap	None Detected
428		A44754	Tan	Mastic	None Detected
429		A44755	Tan	Mastic	None Detected
430		A44756	Black	Caulking	None Detected
431		A44757	Black	Caulking	None Detected
432		A44758A	Black	Floor Tile	Chrysotile 10%
		A44758B	Black	Mastic	None Detected
433		A44759A		Sample Not Analyzed per COC	
		A44759B	Black	Mastic	None Detected
434		A44760A	Blue	Covebase	None Detected
		A44760B	Cream	Mastic	None Detected
435		A44761A	Blue	Covebase	None Detected
		A44761B	Cream	Mastic	None Detected
436		A44762A	Brown	Floor Tile	None Detected
		A44762B	Yellow	Mastic	None Detected
437		A44763A	Brown	Floor Tile	None Detected
		A44763B	Yellow	Mastic	None Detected
438		A44764	Tan	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
439		A44765A	Green	Covebase	None Detected
		A44765B	Cream	Mastic	None Detected
440		A44766A	Green	Covebase	None Detected
		A44766B	Cream	Mastic	None Detected
441		A44767	White	Ceiling Tile	None Detected
442		A44768	White	Ceiling Tile	None Detected
443		A44769A	Gray,Black	Sheet Flooring	None Detected
		A44769B	Yellow	Mastic	None Detected
444		A44770A	Gray,Black	Sheet Flooring	None Detected
		A44770B	Yellow	Mastic	None Detected
445		A44771A	Blue	Covebase	None Detected
		A44771B	Cream	Mastic	None Detected
446		A44772A	Blue	Covebase	None Detected
		A44772B	Cream	Mastic	None Detected
447		A44773	Blue,Gray	Floor Tile	None Detected
448		A44774	Blue,Gray	Floor Tile	None Detected
449		A44775A	Brown	Vinyl Flooring (tile)	None Detected
		A44775B	Cream	Mastic	None Detected
450		A44776A	Brown	Vinyl Flooring (tile)	None Detected
		A44776B	Cream	Mastic	None Detected
451		A44777	Silver	Duct Wrap	None Detected
452		A44778	Silver	Duct Wrap	None Detected
453		A44779	Silver	Duct Wrap	None Detected
454		A44780	Silver	Duct Wrap	None Detected
455		A44781	Silver	Duct Wrap	None Detected
456		A44782A	Pink	Floor Tile	None Detected
		A44782B	Black,Yellow	Mastic	Chrysotile 2%
457		A44783A	Pink	Floor Tile	None Detected
		A44783B		Sample Not Analyzed per COC	
458		A44784A	Yellow	Floor Tile	None Detected
		A44784B	Black,Yellow	Mastic	Chrysotile 2%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
459		A44785A	Yellow	Floor Tile	None Detected
		A44785B		Sample Not Analyzed per COC	
460		A44786	Tan	Flooring	None Detected
461		A44787	Brown	Flooring	None Detected
462		A44788	Beige	Fireproofing	Amosite 60%
463		A44789		Sample Not Analyzed per COC	
B-1		A44791	White,Gray	TSI	Chrysotile 25%
B-2		A44792		Sample Not Analyzed per COC	
B-3		A44793		Sample Not Analyzed per COC	
B-4		A44794		Sample Not Analyzed per COC	
B-5		A44795		Sample Not Analyzed per COC	
B-6		A44796	White	TSI	Chrysotile 35% Crocidolite 2%
B-7		A44797		Sample Not Analyzed per COC	
B-8		A44798		Sample Not Analyzed per COC	
B-9		A44799	White,Silver	Insulation Wrap	None Detected
B-10		A44800	White,Silver	Insulation Wrap	None Detected
B-11		A44801	White,Yellow	Insulation Wrap	None Detected
B-12		A44802	White,Yellow	Insulation Wrap	None Detected
B-13		A44803	Gray	Hard Fitting	Chrysotile 40%
B-14		A44804		Sample Not Analyzed per COC	
B-15		A44805		Sample Not Analyzed per COC	
B-16		A44806	Tan	TSI	Amosite 10% Chrysotile 3%
B-17		A44807		Sample Not Analyzed per COC	
B-18		A44808		Sample Not Analyzed per COC	
B-19		A44809	Gray	TSI	Chrysotile 5%
B-20		A44810		Sample Not Analyzed per COC	
B-21		A44811		Sample Not Analyzed per COC	
B-22	Layer 1	A44812	Tan	Fire Brick	None Detected
	Layer 2	A44812	Gray	Coating	None Detected
B-23	Layer 1	A44813	Tan	Fire Brick	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A44813	Gray	Coating	None Detected
B-24		A44814	White,Gray	Rope Gasket	Chrysotile 75%
B-25		A44815		Sample Not Analyzed per COC	
B-26		A44816	Gray,Silver	Gasket Material	Chrysotile 35%
B-27		A44817		Sample Not Analyzed per COC	
B-28		A44818	White	Rope Gasket	None Detected
B-29		A44819	White	Rope Gasket	None Detected
B-30		A44820	Gray,Tan	Insulation	None Detected
B-31		A44821	Gray,Tan	Insulation	None Detected
B-32		A44822	Gray,Tan	Insulation	None Detected
B-33		A44823	White,Tan	Insulation Gasket	None Detected
B-34		A44824	White,Tan	Insulation Gasket	None Detected
B-35		A44825	Gray	Fireproofing	None Detected
B-36		A44826	Gray	Fireproofing	None Detected
B-37		A44827	Gray	Fireproofing	None Detected
B-38		A44828	Gray	Fireproofing	None Detected
B-39		A44829	Gray	Fireproofing	None Detected
B-40		A44830	White	TSI	Chrysotile 15% Amosite 2%
B-41		A44831		Sample Not Analyzed per COC	
B-42		A44832		Sample Not Analyzed per COC	
B-43	Layer 1	A44833	White	TSI	Chrysotile 65%
	Layer 2	A44833	Gray	TSI	None Detected
B-44		A44834		Sample Not Analyzed per COC	
B-45		A44835		Sample Not Analyzed per COC	
B-46		A44836	Gray	TSI	Chrysotile 35%
B-47		A44837		Sample Not Analyzed per COC	
B-48		A44838		Sample Not Analyzed per COC	
B-49		A44839	Black	TSI	None Detected
B-50		A44840	Black	TSI	None Detected
B-51		A44841	Black	TSI	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
B-52		A44842	Gray	Duct Sealer	None Detected
B-53		A44843	Gray	Duct Sealer	None Detected
B-54		A44844	Gray	Caulk	Chrysotile 3%
B-55		A44845		Sample Not Analyzed per COC	
B-56		A44846	Gray	Soundproofing	None Detected
B-57		A44847	Gray	Soundproofing	None Detected
B-58		A44848	Brown	Soundproofing	None Detected
B-59		A44849	Brown	Soundproofing	None Detected
B-60		A44850	White	Plaster	None Detected
B-61		A44851	White	Plaster	None Detected
B-62	Layer 1	A44852	White	Surface Material	None Detected
	Layer 2	A44852	White	Plaster	None Detected
B-63		A44853	White	Plaster	None Detected
B-64		A44854	White	Plaster	None Detected
B-65		A44855	White	Plaster	None Detected
B-66		A44856	White	Plaster	None Detected
B-67		A44857	Tan	Door Insulation	None Detected
B-68		A44858	Tan	Door Insulation	None Detected
B-69		A44859A	Gray	Floor Tile	None Detected
		A44859B	Black	Mastic	None Detected
B-70		A44860A	Gray	Floor Tile	None Detected
		A44860B	Black	Mastic	None Detected
B-71		A44861A	Gray	Covebase	None Detected
	Layer 1	A44861B	Clear	Mastic	None Detected
	Layer 2	A44861B	Brown	Mastic	None Detected
B-72		A44862A	Gray	Covebase	None Detected
	Layer 1	A44862B	Clear	Mastic	None Detected
	Layer 2	A44862B	Brown	Mastic	None Detected
B-73		A44863	White	Ceiling Tile	None Detected
B-74		A44864	White	Ceiling Tile	None Detected
B-75		A44865	White	Ceiling Tile	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
B-76		A44866	White	Ceiling Tile	None Detected
B-77		A44867A	Gray	Floor Tile	None Detected
		A44867B	Yellow	Mastic	None Detected
B-78		A44868A	Gray	Floor Tile	None Detected
		A44868B	Yellow	Mastic	None Detected
B-79		A44869	White	Wallboard/Mud	None Detected
B-80		A44870	White	Wallboard/Mud	None Detected
B-81		A44871	White	Ceiling Tile	None Detected
B-82		A44872	White	Ceiling Tile	None Detected
B-83		A44873A	Off-white	Floor Tile	None Detected
		A44873B	Yellow	Mastic	None Detected
		A44873C	Brown	Floor Tile	None Detected
	Layer 1	A44873D	Yellow	Mastic	None Detected
	Layer 2	A44873D	Brown	Mastic	Chrysotile 2%
B-84		A44874A	Off-white	Floor Tile	None Detected
		A44874B	Yellow	Mastic	None Detected
		A44874C	Brown	Floor Tile	None Detected
		A44874D		Sample Not Analyzed per COC	
B-85		A44875	White	Wallboard/Mud	None Detected
B-86		A44876	White	Wallboard/Mud	None Detected
B-87		A44877	White	Wallboard/Mud	None Detected
B-88		A44878	White	Wallboard/Mud	None Detected
B-89		A44879	Tan	Insulation	None Detected
B-90		A44880	Tan	Insulation	None Detected
B-91		A44881	Gray	TSI	Chrysotile 50%
B-92		A44882		Sample Not Analyzed per COC	
B-93		A44883	Gray	Fireproofing	None Detected
B-94		A44884	Gray	Fireproofing	None Detected
B-95	Layer 1	A44885	Gray	Sealer	Chrysotile 3%
	Layer 2	A44885	Gray	Duct Tape	None Detected
B-96		A44886		Sample Not Analyzed per COC	

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
B-97		A44887	Brown	Door Insulation	None Detected
B-98		A44888	Brown	Door Insulation	None Detected
B-99		A44889A	Gray	Covebase	None Detected
		A44889B	Tan	Mastic	None Detected
B-100		A44890A	Gray	Covebase	None Detected
		A44890B	Tan	Mastic	None Detected
B-101		A44891	Gray	TSI	Chrysotile 5% Amosite 5%
B-102		A44892		Sample Not Analyzed per COC	
B-103		A44893		Sample Not Analyzed per COC	
1-D		A44894	Green	Homogeneous,	None Detected
2-D		A44895	White,Beige	Sheet Vinyl	None Detected
3-D		A44896	Black	Caulking	None Detected
4-D		A44897	Brown	Sealant	None Detected
5-D		A44898A	Gray	Covebase	None Detected
		A44898B	Tan	Mastic	None Detected
6-D		A44899	Red	Homogeneous,	None Detected
7-D		A44900	Gray,Black	Vinyl	None Detected
8-D		A44901	Black	Vibration Dampener	None Detected
9-D		A44902A	Gray	Floor Tile	None Detected
		A44902B	Yellow	Mastic	None Detected
10-D		A44903	Gray	Caulking	None Detected
11-D		A44904	Gray	Leveling Compound	None Detected
12-D		A44905	Gray	Sheet Vinyl	None Detected
13-D		A44906	Yellow	Mastic	None Detected
14-D		A44907	White	Caulking	None Detected
15-D		A44908	Black	Tar	None Detected
16-D	Layer 1	A44909	White	Plaster Skim Coat	None Detected
	Layer 2	A44909	Gray	Plaster Base Coat	Chrysotile <1%
17-D		A44910	Black	Tar	None Detected
18-D		A44911A	Gray	Covebase	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 4th and Walnut Center; 18.867.100

LAB CODE: A18-6941.1

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
		A44911B	Tan	Mastic	None Detected
19-D	Layer 1	A44912	Silver	Paint	None Detected
	Layer 2	A44912	Black	Rubber	None Detected
20-D	Layer 1	A44913A	Yellow	Surface Mastic	None Detected
	Layer 2	A44913A	Brown	Floor Tile	Chrysotile 3%
		A44913B	Yellow	Mastic	None Detected
		A44913C	White	Floor Tile	Chrysotile 2%
		A44913D	Black	Mastic	Chrysotile 5%
21-D		A44914A	Off-white	Covebase	None Detected
		A44914B	Tan	Mastic	None Detected
22-D		A44915	White	Ceiling Tile	None Detected
23-D		A44916A	Off-white	Floor Tile	None Detected
		A44916B	Yellow	Mastic	None Detected
24-D		A44917	Brown	Sealant	None Detected
25-D		A44918	Gray	Sealant	None Detected
26-D	Layer 1	A44919	White	Insulation	Chrysotile 65%
	Layer 2	A44919	Brown	Insulation	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
260 A44602A	Floor Tile	Heterogeneous White Non-fibrous Bound			83% Vinyl 15% Silicates		2% Chrysotile
A44602B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% Mastic 5% Silicates		None Detected
261 A44603A	Sample Not Analyzed per COC						
A44603B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% Mastic 5% Silicates		None Detected
262 A44604A	Floor Tile	Heterogeneous Green Non-fibrous Bound			75% Vinyl 15% Silicates		10% Chrysotile
A44604B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% Mastic 5% Silicates		None Detected
263 A44605A	Sample Not Analyzed per COC						
A44605B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% Mastic 5% Silicates		None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
264 A44606A	Floor Tile	Heterogeneous Tan Non-fibrous Bound			75% Vinyl 15% Silicates		10% Chrysotile
A44606B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% Mastic 5% Silicates		None Detected
265 A44607A	Sample Not Analyzed per COC						
A44607B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% Mastic 5% Silicates		None Detected
266 A44608A	Floor Tile	Heterogeneous Brown Non-fibrous Bound			78% Vinyl 15% Silicates		7% Chrysotile
A44608B	Mastic	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	95% Mastic 5% Silicates		None Detected
267 A44609A	Sample Not Analyzed per COC						
A44609B	Mastic	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	95% Mastic 5% Silicates		None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevcs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
268 A44610A	Floor Tile	Heterogeneous Black Non-fibrous Bound			75% 15%	Vinyl Silicates	10% Chrysotile
A44610B	Mastic	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected
269 A44611A	Sample Not Analyzed per COC						
A44611B	Mastic	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	95% 5%	Mastic Silicates	None Detected
270 A44612A	Floor Tile	Heterogeneous Gray Non-fibrous Bound			75% 15%	Vinyl Silicates	10% Chrysotile
A44612B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% 5%	Mastic Silicates	None Detected
271 A44613A	Sample Not Analyzed per COC						
A44613B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% 5%	Mastic Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevcs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
272 A44614A	Floor Tile	Heterogeneous Cream Non-fibrous Bound			78% 15%	Vinyl Silicates	7% Chrysotile
A44614B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% 5%	Mastic Silicates	None Detected
273 A44615A	Sample Not Analyzed per COC						
A44615B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% 5%	Mastic Silicates	None Detected
274 A44616A	Floor Tile	Heterogeneous Light Brown Non-fibrous Bound			75% 15%	Vinyl Silicates	10% Chrysotile
A44616B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% 5%	Mastic Silicates	None Detected
275 A44617A	Sample Not Analyzed per COC						
A44617B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% 5%	Mastic Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
276 A44618A	Floor Tile	Heterogeneous Dark Brown Non-fibrous Bound			75% 15%	Vinyl Silicates	10% Chrysotile
A44618B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% 5%	Mastic Silicates	None Detected
277 A44619A	Sample Not Analyzed per COC						
A44619B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose	92% 5%	Mastic Silicates	None Detected
278 A44620A	Floor Tile	Heterogeneous Beige Non-fibrous Bound			82% 15%	Vinyl Silicates	3% Chrysotile
A44620A	Mastic	Heterogeneous Black Non-fibrous Bound			90% 5%	Mastic Silicates	5% Chrysotile
279 A44621	Sample Not Analyzed per COC						
282 A44622	Paper Wrap On Fiberglass Pipe Insulation	Heterogeneous White, Silver Fibrous Bound	45% 15%	Cellulose Fiberglass	20% 15% 5%	Metal Foil Binder Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
283 A44623	Paper Wrap On Fiberglass Pipe Insulation	Heterogeneous White,Silver Fibrous Bound	45% 15%	Cellulose Fiberglass	20% 15% 5%	Metal Foil Binder Mastic	None Detected
284 A44624	Paper Wrap On Fiberglass Pipe Insulation	Heterogeneous White,Silver Fibrous Bound	45% 15%	Cellulose Fiberglass	20% 15% 5%	Metal Foil Binder Mastic	None Detected
285 A44625	Paper Wrap On Fiberglass Pipe Insulation	Heterogeneous White,Silver Fibrous Bound	45% 15%	Cellulose Fiberglass	20% 15% 5%	Metal Foil Binder Mastic	None Detected
286 A44626	Paper Wrap On Fiberglass Pipe Insulation	Heterogeneous White,Silver Fibrous Bound	45% 15%	Cellulose Fiberglass	20% 15% 5%	Metal Foil Binder Mastic	None Detected
287 A44627	Paper Wrap On Fiberglass Pipe Insulation	Heterogeneous White,Silver Fibrous Bound	45% 15%	Cellulose Fiberglass	20% 15% 5%	Metal Foil Binder Mastic	None Detected
288 A44628	Paper Wrap On Fiberglass Pipe Insulation	Heterogeneous White,Silver Fibrous Bound	45% 15%	Cellulose Fiberglass	20% 15% 5%	Metal Foil Binder Mastic	None Detected
289 A44629A	Covebase	Heterogeneous Beige Non-fibrous Bound			100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A44629B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
290 A44630A	Covebase	Heterogeneous Beige Non-fibrous Bound			100%	Vinyl	None Detected
A44630B	Mastic	Heterogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
291 A44631	Sink Undercoating	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	90% 10%	Binder Silicates	None Detected
292 A44632	Sink Undercoating	Heterogeneous Black Non-fibrous Bound	<1%	Cellulose	90% 10%	Binder Silicates	None Detected
293 A44633	Spray-on Fireproofing	Heterogeneous Light Blue Fibrous Bound	35% 10%	Cellulose Fiberglass	45% 10%	Binder Foam	None Detected
294 A44634	Spray-on Fireproofing	Heterogeneous Light Blue Fibrous Bound	35% 10%	Cellulose Fiberglass	45% 10%	Binder Foam	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevess, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
295 A44635	Spray-on Fireproofing	Heterogeneous	35%	Cellulose	45%	Binder	None Detected
		Light Blue	10%	Fiberglass	10%	Foam	
		Fibrous					
		Bound					
296 A44636	Spray-on Fireproofing	Heterogeneous	35%	Cellulose	45%	Binder	None Detected
		Light Blue	10%	Fiberglass	10%	Foam	
		Fibrous					
		Bound					
297 A44637	Spray-on Fireproofing	Heterogeneous	35%	Cellulose	45%	Binder	None Detected
		Light Blue	10%	Fiberglass	10%	Foam	
		Fibrous					
		Bound					
298 A44638	Spray-on Fireproofing	Heterogeneous	35%	Cellulose	45%	Binder	None Detected
		Light Blue	10%	Fiberglass	10%	Foam	
		Fibrous					
		Bound					
299 A44639	Spray-on Fireproofing	Heterogeneous	35%	Cellulose	45%	Binder	None Detected
		Light Blue	10%	Fiberglass	10%	Foam	
		Fibrous					
		Bound					
300 A44640	Duct Mastic	Heterogeneous	<1%	Cellulose	90%	Binder	None Detected
		Tan			10%	Silicates	
		Fibrous					
		Bound					
301 A44641	Duct Mastic	Heterogeneous	<1%	Cellulose	90%	Binder	None Detected
		Tan			10%	Silicates	
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
302 A44642A	Floor Tile	Heterogeneous Gray Non-fibrous Bound	85% 15%	Vinyl Silicates	None Detected
A44642B	Mastic	Heterogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
303 A44643A	Floor Tile	Heterogeneous Gray Non-fibrous Bound	85% 15%	Vinyl Silicates	None Detected
A44643B	Mastic	Heterogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
304 A44644	Duct Mastic	Heterogeneous Black Non-fibrous Bound	90% 5%	Binder Silicates	5% Chrysotile
305 A44645	Sample Not Analyzed per COC				
306 A44646	Sample Not Analyzed per COC				
307 A44647	Caulk	Heterogeneous Tan Non-fibrous Bound	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevess, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
308 A44648	Caulk	Heterogeneous Tan Non-fibrous Bound		100% Caulk	None Detected
309 A44649	Mirror Mastic	Heterogeneous Black Non-fibrous Bound	85% 5%	Binder Silicates	10% Chrysotile
310 A44650	Sample Not Analyzed per COC				
313 A44651	Floor Tile	Heterogeneous Beige, Gray Non-fibrous Bound	2% Talc	98% Binder	None Detected
314 A44652	Floor Tile	Heterogeneous Beige, Gray Non-fibrous Bound	2% Talc	98% Binder	None Detected
317 A44653	Tread Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
318 A44654	Tread Mastic	Heterogeneous Cream Non-fibrous Bound		100% Mastic	None Detected
319 A44655A	Covebase	Heterogeneous Tan Non-fibrous Bound		100% Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A44655B	Mastic	Heterogeneous Brown Non-fibrous Bound	2%	Talc	98%	Mastic	None Detected
320 A44656A	Covebase	Heterogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
A44656B	Mastic	Heterogeneous Brown Non-fibrous Bound	2%	Talc	98%	Mastic	None Detected
321 A44657	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75% 5%	Cellulose Fiberglass	5% 15%	Paint Perlite	None Detected
322 A44658	Ceiling Tile	Heterogeneous Gray Fibrous Bound	75% 5%	Cellulose Fiberglass	5% 15%	Paint Perlite	None Detected
323 A44659A	Floor Tile	Heterogeneous Tan Non-fibrous Bound			95% 5%	Vinyl Silicates	None Detected
A44659B	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
324 A44660A	Floor Tile	Heterogeneous			95%	Vinyl	None Detected
		Tan		5%	Silicates		
		Non-fibrous Bound					
A44660B	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
325 A44661A	Floor Tile	Heterogeneous			85%	Vinyl	None Detected
		Beige		15%	Silicates		
		Non-fibrous Bound					
A44661B	Mastic	Heterogeneous Black Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
326 A44662A	Floor Tile	Heterogeneous			85%	Vinyl	None Detected
		Beige		15%	Silicates		
		Non-fibrous Bound					
A44662B	Mastic	Heterogeneous Black Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
327 A44663	Spray-on Fireproofing	Heterogeneous	75%	Fiberglass	20%	Binder	None Detected
		Beige			5%	Silicates	
		Fibrous Bound					

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
328 A44664	Spray-on Fireproofing	Heterogeneous Beige Fibrous Bound	75%	Fiberglass	20% 5%	Binder Silicates	None Detected
329 A44665	Spray-on Fireproofing	Heterogeneous Beige Fibrous Bound	75%	Fiberglass	20% 5%	Binder Silicates	None Detected
330 A44666	Spray-on Fireproofing	Heterogeneous Tan Fibrous Bound	65% 5%	Fiberglass Cellulose	20% 10%	Binder Silicates	None Detected
331 A44667	Spray-on Fireproofing	Heterogeneous Tan Fibrous Bound	65% 5%	Fiberglass Cellulose	20% 10%	Binder Silicates	None Detected
332 A44668	Spray-on Fireproofing	Heterogeneous Tan Fibrous Bound	65% 5%	Fiberglass Cellulose	20% 10%	Binder Silicates	None Detected
333 A44669	Spray-on Fireproofing	Heterogeneous Tan Fibrous Bound	65% 5%	Fiberglass Cellulose	20% 10%	Binder Silicates	None Detected
334 A44670	Spray-on Fireproofing	Heterogeneous Tan Fibrous Bound	65% 5%	Fiberglass Cellulose	20% 10%	Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941.1
Date Received: 07-10-18
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Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
335 A44671	Spray-on Fireproofing	Heterogeneous	65%	Fiberglass	20%	Binder	None Detected
		Tan	5%	Cellulose	10%	Silicates	
		Fibrous					
		Bound					
336 A44672	Spray-on Fireproofing	Heterogeneous	65%	Fiberglass	20%	Binder	None Detected
		Tan	5%	Cellulose	10%	Silicates	
		Fibrous					
		Bound					
337 A44673A	Floor Tile	Homogeneous			85%	Vinyl	None Detected
		Light Gray			15%	Silicates	
		Non-fibrous					
		Tightly Bound					
A44673B	Mastic	Homogeneous			100%	Mastic	None Detected
		Yellow					
		Non-fibrous					
		Tightly Bound					
338 A44674A	Floor Tile	Homogeneous			85%	Vinyl	None Detected
		Light Gray			15%	Silicates	
		Non-fibrous					
		Tightly Bound					
A44674B	Mastic	Homogeneous			100%	Mastic	None Detected
		Yellow					
		Non-fibrous					
		Tightly Bound					
339 A44675A	Floor Tile	Homogeneous	<1%	Cellulose	65%	Vinyl	None Detected
		Gray			35%	Calc Carb	
		Fibrous					
		Tightly Bound					

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A44675B	Mastic	Homogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
340 A44676A	Floor Tile	Homogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	65% 35%	Vinyl Calc Carb	None Detected
Lab Notes: A44676-A44711 Analyzed by SP							
A44676B	Mastic	Homogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
341 A44677A	Floor Tile	Homogeneous Beige Fibrous Tightly Bound	2%	Cellulose	65% 33%	Vinyl Calc Carb	None Detected
A44677B	Mastic	Homogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
342 A44678A	Floor Tile	Homogeneous Beige Fibrous Tightly Bound	2%	Cellulose	65% 33%	Vinyl Calc Carb	None Detected
A44678B	Mastic	Homogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
Clevess, OH 45002

Lab Code: A18-6941.1
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
343 A44679A	Floor Tile	Homogeneous Tan,Brown Fibrous Tightly Bound	<1%	Cellulose	80% 20%	Vinyl Binder	None Detected
A44679B	Mastic	Homogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
344 A44680A	Floor Tile	Homogeneous Tan,Brown Fibrous Tightly Bound	<1%	Cellulose	80% 20%	Vinyl Binder	None Detected
A44680B	Mastic	Homogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
345 A44681A	Covebase	Homogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected
A44681B	Mastic	Homogeneous Cream Fibrous Bound	<1%	Cellulose	2% 98%	Paint Mastic	None Detected
346 A44682A	Covebase	Homogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941.1
Date Received: 07-10-18
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A44682B	Mastic	Homogeneous Cream Fibrous Bound	<1%	Cellulose	2% 98%	Paint Mastic	None Detected
347 A44683	Ceiling Tile	Homogeneous White Fibrous Loosely Bound	70%	Fiberglass	30%	Binder	None Detected
348 A44684	Ceiling Tile	Homogeneous White Fibrous Loosely Bound	70%	Fiberglass	30%	Binder	None Detected
349 A44685A	Floor Tile	Homogeneous Tan, Yellow Non-fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
Layer 1 A44685B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A44685B	Leveling Compound	Homogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
350 A44686A	Floor Tile	Homogeneous Tan, Yellow Non-fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 1 A44686B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
Layer 2 A44686B	Leveling Compound	Homogeneous Gray Fibrous Bound	<1% Cellulose	100% Binder	None Detected
351 A44687A	Floor Tile	Homogeneous Cream,Blue Non-fibrous Tightly Bound		65% Vinyl 35% Calc Carb	None Detected
A44687B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
352 A44688A	Floor Tile	Homogeneous Cream,Blue Non-fibrous Tightly Bound		65% Vinyl 35% Calc Carb	None Detected
A44688B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
355 A44689A	Floor Tile	Homogeneous Gray Non-fibrous Tightly Bound		65% Vinyl 35% Calc Carb	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 1 A44689B	Mastic	Homogeneous Clear,Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
Layer 2 A44689B	Leveling Compound	Homogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
356 A44690A	Floor Tile	Homogeneous Gray Non-fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
Layer 1 A44690B	Mastic	Homogeneous Clear,Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
Layer 2 A44690B	Leveling Compound	Homogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
357 A44691A	Floor Tile	Homogeneous Cream,Tan Non-fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
A44691B	Mastic	Homogeneous Black Fibrous Bound	3%	Cellulose	97%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
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Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
358 A44692A	Floor Tile	Homogeneous Cream,Tan Non-fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
A44692B	Mastic	Homogeneous Black Fibrous Bound	3%	Cellulose	97%	Mastic	None Detected
359 A44693A	Covebase	Homogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
A44693B	Mastic	Homogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
360 A44694A	Covebase	Homogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
A44694B	Mastic	Homogeneous Cream Non-fibrous Bound			100%	Mastic	None Detected
361 Layer 1 A44695	Vinyl Sheet Flooring	Homogeneous Gray Fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

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Date Received: 07-10-18
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44695	Mastic	Homogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
362 Layer 1 A44696	Vinyl Sheet Flooring	Homogeneous Gray Fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Layer 2 A44696	Mastic	Homogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
363 A44697A	Floor Tile	Homogeneous Black,Gray Non-fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
A44697B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
364 A44698A	Floor Tile	Homogeneous Black,Gray Non-fibrous Tightly Bound			65% 35%	Vinyl Calc Carb	None Detected
A44698B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44102

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
365 Layer 1 A44699	Floor Tile (Vinyl Flooring)	Homogeneous Black Fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Floor tile is not present.							
Layer 2 A44699	Mastic	Homogeneous Black Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
366 Layer 1 A44700	Floor Tile (Vinyl Flooring)	Homogeneous Black Fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
Lab Notes: Floor tile is not present.							
Layer 2 A44700	Mastic	Homogeneous Black Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
367 Layer 1 A44701A	Mastic	Homogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
Layer 2 A44701A	Floor Tile	Homogeneous Tan Fibrous Tightly Bound	<1%	Cellulose	65% 30%	Vinyl Calc Carb	5% Chrysotile
A44701B	Mastic	Homogeneous Black Fibrous Tightly Bound	2%	Cellulose	98%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevess, OH 45002

Lab Code: A18-6941.1
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 1 A44701C	Leveling Compound	Homogeneous Beige Non-fibrous Bound			100% Binder		None Detected
Layer 2 A44701C	Floor Tile	Homogeneous Red Fibrous Tightly Bound			65% Vinyl 32% Calc Carb		3% Chrysotile
368 A44702A	Sample Not Analyzed per COC						
A44702B	Mastic	Homogeneous Tan Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
371 A44703	Rope Fire Stop	Homogeneous Gray Fibrous Loosely Bound			10% Binder		90% Chrysotile
372 A44704	Sample Not Analyzed per COC						
373 A44705	Sample Not Analyzed per COC						
374 A44706	Hard Pipe Fittings	Homogeneous Off-white Fibrous Loosely Bound	20% 15%	Fiberglass Cellulose	65%	Binder	None Detected
375 A44707	Hard Pipe Fittings	Homogeneous Off-white Fibrous Loosely Bound	20% 15%	Fiberglass Cellulose	65%	Binder	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
376 A44708	Hard Pipe Fittings	Homogeneous Off-white Fibrous Loosely Bound	20% 15%	Fiberglass Cellulose	65%	Binder	None Detected
377 A44709	Pipe Insulation	Homogeneous Gray,Yellow Fibrous Loosely Bound	45% 50%	Fiberglass Cellulose	5%	Binder	None Detected
378 A44710	Pipe Insulation	Homogeneous Gray,Yellow Fibrous Loosely Bound	45% 50%	Fiberglass Cellulose	5%	Binder	None Detected
379 A44711	Pipe Insulation	Homogeneous Gray,Yellow Fibrous Loosely Bound	45% 50%	Fiberglass Cellulose	5%	Binder	None Detected
380 A44712A	Floor Tile	Heterogeneous Gray Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
A44712B	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
381 A44713A	Floor Tile	Heterogeneous Gray Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
A44713B	Mastic	Heterogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
385 A44714	Caulk	Heterogeneous White Non-fibrous Bound	100%	Caulk	None Detected
386 A44715	Caulk	Heterogeneous White Non-fibrous Bound	100%	Caulk	None Detected
387 A44716	Ceiling Texturing	Heterogeneous Off-white Fibrous Loosely Bound	5% 65% 30%	Paint Binder Silicates	None Detected
388 A44717	Ceiling Texturing	Heterogeneous Off-white Fibrous Loosely Bound	5% 65% 30%	Paint Binder Silicates	None Detected
389 A44718	Ceiling Texturing	Heterogeneous Off-white Fibrous Loosely Bound	5% 65% 30%	Paint Binder Silicates	None Detected
390 A44719	Ceiling Texturing	Heterogeneous Off-white Fibrous Loosely Bound	5% 65% 30%	Paint Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941.1
Date Received: 07-10-18
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
391 A44720	Ceiling Texturing	Heterogeneous Off-white Fibrous Loosely Bound			5% 65% 30%	Paint Binder Silicates	None Detected
392 A44721	Ceiling Texturing	Heterogeneous Off-white Fibrous Loosely Bound			5% 65% 30%	Paint Binder Silicates	None Detected
393 A44722	Ceiling Texturing	Heterogeneous Off-white Fibrous Loosely Bound			5% 65% 30%	Paint Binder Silicates	None Detected
397 A44723	Fire Door Insulation	Heterogeneous Gray Fibrous Loosely Bound	5% 5%	Fiberglass Cellulose	80% 10%	Binder Silicates	None Detected
398 A44724	Fire Door Insulation	Heterogeneous Gray Fibrous Loosely Bound	5% 5%	Fiberglass Cellulose	80% 10%	Binder Silicates	None Detected
399 Layer 1 A44725	Roofing	Heterogeneous Black Fibrous Bound	10% 5%	Fiberglass Cellulose	80% 5%	Tar Paint	None Detected
Layer 2 A44725	Insulation	Heterogeneous Tan Fibrous Bound	85%	Cellulose	15%	Perlite	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44102

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
400 Layer 1 A44726	Roofing	Heterogeneous	10%	Fiberglass	80%	Tar	None Detected
		Black	5%	Cellulose	5%	Paint	
		Fibrous Bound					
Layer 2 A44726	Insulation	Heterogeneous	85%	Cellulose	15%	Perlite	None Detected
		Tan Fibrous Bound					
401 Layer 1 A44727	Roofing	Heterogeneous	10%	Fiberglass	80%	Tar	None Detected
		Black	5%	Cellulose	5%	Paint	
		Fibrous Bound					
Layer 2 A44727	Gypsum Board	Heterogeneous	70%	Cellulose	30%	Gypsum	None Detected
		White,Tan Fibrous Bound					
402 Layer 1 A44728	Roofing	Heterogeneous	10%	Fiberglass	80%	Tar	None Detected
		Black	5%	Cellulose	5%	Paint	
		Fibrous Bound					
Layer 2 A44728	Gypsum Board	Heterogeneous	70%	Cellulose	30%	Gypsum	None Detected
		White,Tan Fibrous Bound					
403 A44729	Roof Mastic	Heterogeneous	5%	Cellulose	90%	Rubber	None Detected
		Black			5%	Paint	
		Non-fibrous Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
404 A44730	Roof Mastic	Heterogeneous Black Non-fibrous Bound	5%	Cellulose	90%	Rubber 5% Paint	None Detected
405 Layer 1 A44731	Roofing	Heterogeneous Gray Non-fibrous Bound	20%	Synthetic Fiber	80%	Vinyl	None Detected
Layer 2 A44731	Insulation	Heterogeneous Brown Fibrous Bound	70%	Cellulose	30%	Foam	None Detected
406 Layer 1 A44732	Roofing	Heterogeneous Gray Non-fibrous Bound	20%	Synthetic Fiber	80%	Vinyl	None Detected
Layer 2 A44732	Insulation	Heterogeneous Brown Fibrous Bound	70%	Cellulose	30%	Foam	None Detected
407 A44733	Caulking	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
408 A44734	Caulking	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
409 A44735	Shingle	Heterogeneous Black Fibrous Bound	15%	Cellulose	65% 20%	Tar Silicates	None Detected
410 A44736	Shingle	Heterogeneous Black Fibrous Bound	15%	Cellulose	65% 20%	Tar Silicates	None Detected
411 A44737	Roof Mastic	Homogeneous Black Non-fibrous Bound	15%	Cellulose	85%	Tar	None Detected
412 A44738	Roof Mastic	Homogeneous Black Non-fibrous Bound	15%	Cellulose	85%	Tar	None Detected
413 Layer 1 A44739	Roofing	Heterogeneous White Fibrous Bound	15% 10%	Synthetic Fiber Cellulose	75%	Vinyl	None Detected
Layer 2 A44739	Insulation	Heterogeneous Yellow Non-fibrous Bound			100%	Foam	None Detected
414 Layer 1 A44740	Roofing	Heterogeneous White Fibrous Bound	15% 10%	Synthetic Fiber Cellulose	75%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
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Lab Code: A18-6941.1
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Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A44740	Insulation	Heterogeneous Yellow Non-fibrous Bound			100%	Foam	None Detected
415 Layer 1 A44741	Roofing	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Paint	None Detected
Layer 2 A44741	Insulation	Heterogeneous Brown Fibrous Bound	85%	Cellulose	15%	Perlite	None Detected
416 Layer 1 A44742	Roofing	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Paint	None Detected
Layer 2 A44742	Insulation	Heterogeneous Brown Fibrous Bound	85%	Cellulose	15%	Perlite	None Detected
417 A44743	Caulking	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
418 A44744	Caulking	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
419 A44745	Roofing	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Paint	None Detected
420 A44746	Roofing	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Paint	None Detected
421 A44747	Caulking	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
422 A44748	Caulking	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
423 A44749	Window Glazing	Heterogeneous Gray Non-fibrous Bound			65% 25% 5%	Calc Carb Binder Paint	5% Chrysotile
424 A44750	Sample Not Analyzed per COC						
425 A44751	Pipe Wrap	Heterogeneous Off-white Fibrous Bound	100%	Fiberglass			None Detected
426 A44752	Pipe Wrap	Heterogeneous Off-white Fibrous Bound	100%	Fiberglass			None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
427 A44753	Pipe Wrap	Heterogeneous Off-white Fibrous Bound	50%	Fiberglass			None Detected
428 A44754	Mastic	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
429 A44755	Mastic	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
430 A44756	Caulking	Homogeneous Black Non-fibrous Bound			100%	Caulk	None Detected
431 A44757	Caulking	Homogeneous Black Non-fibrous Bound			100%	Caulk	None Detected
432 A44758A	Floor Tile	Homogeneous Black Fibrous Tightly Bound			90%	Vinyl	10% Chrysotile
A44758B	Mastic	Homogeneous Black Fibrous Tightly Bound	5%	Cellulose	95%	Mastic	None Detected
433 A44759A	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A44759B	Mastic	Homogeneous Black Fibrous Tightly Bound	5%	Cellulose	95%	Mastic	None Detected
434 A44760A	Covebase	Homogeneous Blue Non-fibrous Bound			100%	Rubber	None Detected
A44760B	Mastic	Homogeneous Cream Fibrous Tightly Bound	<1%	Cellulose	95% 5%	Mastic Binder	None Detected
435 A44761A	Covebase	Homogeneous Blue Non-fibrous Bound			100%	Rubber	None Detected
A44761B	Mastic	Homogeneous Cream Fibrous Tightly Bound	<1%	Cellulose	95% 5%	Mastic Binder	None Detected
436 A44762A	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound			98% 2%	Vinyl Silicates	None Detected
A44762B	Mastic	Homogeneous Yellow Non-fibrous Bound			90% 10%	Mastic Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
437 A44763A	Floor Tile	Homogeneous Brown Non-fibrous Tightly Bound	98% 2%	Vinyl Silicates	None Detected
A44763B	Mastic	Homogeneous Yellow Non-fibrous Bound	90% 10%	Mastic Binder	None Detected
438 A44764	Mastic	Homogeneous Tan Non-fibrous Bound	100% <1%	Mastic Binder	None Detected
439 A44765A	Covebase	Homogeneous Green Non-fibrous Bound	100%	Rubber	None Detected
A44765B	Mastic	Homogeneous Cream Non-fibrous Bound	50% 50%	Binder Mastic	None Detected
440 A44766A	Covebase	Homogeneous Green Non-fibrous Bound	100%	Rubber	None Detected
A44766B	Mastic	Homogeneous Cream Non-fibrous Bound	50% 50%	Binder Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
441 A44767	Ceiling Tile	Homogeneous White Fibrous Loosely Bound	98%	Fiberglass	2% <1%	Binder Paint	None Detected
442 A44768	Ceiling Tile	Homogeneous White Fibrous Loosely Bound	98%	Fiberglass	2% <1%	Binder Paint	None Detected
443 A44769A	Sheet Flooring	Heterogeneous Gray,Black Fibrous Bound	10%	Synthetic Fiber	90%	Binder	None Detected
A44769B	Mastic	Homogeneous Yellow Fibrous Bound	5%	Cellulose	5% 90%	Binder Mastic	None Detected
444 A44770A	Sheet Flooring	Heterogeneous Gray,Black Fibrous Bound	10%	Synthetic Fiber	90%	Binder	None Detected
A44770B	Mastic	Homogeneous Yellow Fibrous Bound	5%	Cellulose	5% 90%	Binder Mastic	None Detected
445 A44771A	Covebase	Homogeneous Blue Non-fibrous Bound			100%	Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A44771B	Mastic	Homogeneous Cream Non-fibrous Bound	<1%	Cellulose	50% 50%	Binder Mastic	None Detected
446 A44772A	Covebase	Homogeneous Blue Non-fibrous Bound			100%	Binder	None Detected
A44772B	Mastic	Homogeneous Cream Non-fibrous Bound	<1%	Cellulose	50% 50%	Binder Mastic	None Detected
447 A44773	Floor Tile	Homogeneous Blue,Gray Non-fibrous Bound			100%	Binder	None Detected
Lab Notes: No mastic present.							
448 A44774	Floor Tile	Homogeneous Blue,Gray Non-fibrous Bound			100%	Binder	None Detected
Lab Notes: No mastic present.							
449 A44775A	Vinyl Flooring (tile)	Heterogeneous Brown Non-fibrous Bound			100%	Vinyl	None Detected
A44775B	Mastic	Homogeneous Cream Non-fibrous Bound			50% 50%	Binder Mastic	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
8090 Furlong Dr.
Clevess, OH 45002

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
450 A44776A	Vinyl Flooring (tile)	Heterogeneous Brown Non-fibrous Bound			100%	Vinyl	None Detected
A44776B	Mastic	Homogeneous Cream Non-fibrous Bound			50% 50%	Binder Mastic	None Detected
451 A44777	Duct Wrap	Heterogeneous Silver Fibrous Loosely Bound	30% 50%	Cellulose Fiberglass	20%	Metal Foil	None Detected
452 A44778	Duct Wrap	Heterogeneous Silver Fibrous Loosely Bound	30% 50%	Cellulose Fiberglass	20%	Metal Foil	None Detected
453 A44779	Duct Wrap	Heterogeneous Silver Fibrous Loosely Bound	30% 50%	Cellulose Fiberglass	20%	Metal Foil	None Detected
454 A44780	Duct Wrap	Heterogeneous Silver Fibrous Loosely Bound	30% 50%	Cellulose Fiberglass	20%	Metal Foil	None Detected
455 A44781	Duct Wrap	Heterogeneous Silver Fibrous Loosely Bound	30% 50%	Cellulose Fiberglass	20%	Metal Foil	None Detected

ASBESTOS BULK ANALYSIS

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Client: WESTECH, Inc.
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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
456 A44782A	Floor Tile	Homogeneous Pink Non-fibrous Tightly Bound	98% 2%	Vinyl Silicates	None Detected
A44782B	Mastic	Heterogeneous Black, Yellow Fibrous Bound	90% 8%	Mastic Binder	2% Chrysotile
Lab Notes: Inseparable mastics.					
457 A44783A	Floor Tile	Homogeneous Pink Non-fibrous Tightly Bound	98% 2%	Vinyl Silicates	None Detected
A44783B	Sample Not Analyzed per COC				
458 A44784A	Floor Tile	Homogeneous Yellow Non-fibrous Tightly Bound	98% 2%	Vinyl Silicates	None Detected
A44784B	Mastic	Heterogeneous Black, Yellow Fibrous Bound	90% 8%	Mastic Binder	2% Chrysotile
Lab Notes: Inseparable mastics.					
459 A44785A	Floor Tile	Homogeneous Yellow Non-fibrous Tightly Bound	98% 2%	Vinyl Silicates	None Detected
A44785B	Sample Not Analyzed per COC				

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
460 A44786	Flooring	Heterogeneous Tan Non-fibrous Tightly Bound			100% Binder		None Detected
Lab Notes: No mastic present							
461 A44787	Flooring	Heterogeneous Brown Non-fibrous Tightly Bound			100% Binder		None Detected
Lab Notes: No mastic present.							
462 A44788	Fireproofing	Heterogeneous Beige Fibrous Loosely Bound			40% Binder		60% Amosite
463 A44789	Sample Not Analyzed per COC						
B-1 A44791	TSI	Heterogeneous White, Gray Fibrous Loosely Bound	5%	Cellulose	70% Binder		25% Chrysotile
Lab Notes: Samples A44791-A44919 analyzed by Greg Ruff							
B-2 A44792	Sample Not Analyzed per COC						
B-3 A44793	Sample Not Analyzed per COC						
B-4 A44794	Sample Not Analyzed per COC						
B-5 A44795	Sample Not Analyzed per COC						

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-6 A44796	TSI	Heterogeneous White Fibrous Loosely Bound			63%	Binder	35% Chrysotile 2% Crocidolite
B-7 A44797	Sample Not Analyzed per COC						
B-8 A44798	Sample Not Analyzed per COC						
B-9 A44799	Insulation Wrap	Homogeneous White,Silver Fibrous Bound	85% 5%	Cellulose Fiberglass	10%	Metal Foil	None Detected
B-10 A44800	Insulation Wrap	Homogeneous White,Silver Fibrous Bound	85% 5%	Cellulose Fiberglass	10%	Metal Foil	None Detected
B-11 A44801	Insulation Wrap	Homogeneous White,Yellow Fibrous Loose	25% 75%	Cellulose Fiberglass	<1%	Paint	None Detected
B-12 A44802	Insulation Wrap	Homogeneous White,Yellow Fibrous Loose	25% 75%	Cellulose Fiberglass	<1%	Paint	None Detected
B-13 A44803	Hard Fitting	Homogeneous Gray Fibrous Bound			60%	Binder	40% Chrysotile
B-14 A44804	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-15 A44805	Sample Not Analyzed per COC						
B-16 A44806	TSI	Homogeneous Tan Fibrous Bound	87%	Binder			10% Amosite 3% Chrysotile
B-17 A44807	Sample Not Analyzed per COC						
B-18 A44808	Sample Not Analyzed per COC						
B-19 A44809	TSI	Heterogeneous Gray Fibrous Bound	20%	Fiberglass	75%	Binder	5% Chrysotile
B-20 A44810	Sample Not Analyzed per COC						
B-21 A44811	Sample Not Analyzed per COC						
B-22 Layer 1 A44812	Fire Brick	Homogeneous Tan Non-fibrous Bound	75%	Binder	25%	Silicates	None Detected
Layer 2 A44812	Coating	Homogeneous Gray Non-fibrous Tightly Bound	40%	Binder	60%	Silicates	None Detected
B-23 Layer 1 A44813	Fire Brick	Homogeneous Tan Non-fibrous Bound	75%	Binder	25%	Silicates	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A44813	Coating	Homogeneous Gray Non-fibrous Tightly Bound		40% Binder 60% Silicates	None Detected
B-24 A44814	Rope Gasket	Homogeneous White, Gray Fibrous Loosely Bound		25% Binder	75% Chrysotile
B-25 A44815	Sample Not Analyzed per COC				
B-26 A44816	Gasket Material	Homogeneous Gray, Silver Fibrous Bound		65% Binder	35% Chrysotile
B-27 A44817	Sample Not Analyzed per COC				
B-28 A44818	Rope Gasket	Homogeneous White Fibrous Loose	100% Fiberglass		None Detected
B-29 A44819	Rope Gasket	Homogeneous White Fibrous Loose	100% Fiberglass		None Detected
B-30 A44820	Insulation	Heterogeneous Gray, Tan Non-fibrous Tightly Bound		60% Binder 40% Silicates	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-31 A44821	Insulation	Heterogeneous Gray,Tan Non-fibrous Tightly Bound	60%		Binder 40% Silicates	None Detected	
B-32 A44822	Insulation	Heterogeneous Gray,Tan Non-fibrous Tightly Bound	60%		Binder 40% Silicates	None Detected	
B-33 A44823	Insulation Gasket	Homogeneous White,Tan Fibrous Loose	100%	Fiberglass		None Detected	
B-34 A44824	Insulation Gasket	Homogeneous White,Tan Fibrous Loose	100%	Fiberglass		None Detected	
B-35 A44825	Fireproofing	Homogeneous Gray Fibrous Bound	15%	Cellulose	80% 5% Binder Foam	None Detected	
B-36 A44826	Fireproofing	Homogeneous Gray Fibrous Bound	15%	Cellulose	80% 5% Binder Foam	None Detected	
B-37 A44827	Fireproofing	Homogeneous Gray Fibrous Bound	15%	Cellulose	80% 5% Binder Foam	None Detected	

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-38 A44828	Fireproofing	Homogeneous Gray Fibrous Bound	15%	Cellulose	80%	Binder Foam	None Detected
B-39 A44829	Fireproofing	Homogeneous Gray Fibrous Bound	15%	Cellulose	80%	Binder Foam	None Detected
B-40 A44830	TSI	Homogeneous White Fibrous Loosely Bound			83%	Binder	15% Chrysotile 2% Amosite
B-41 A44831	Sample Not Analyzed per COC						
B-42 A44832	Sample Not Analyzed per COC						
B-43 Layer 1 A44833	TSI	Homogeneous White Fibrous Bound	5%	Cellulose	30%	Binder	65% Chrysotile
Layer 2 A44833	TSI	Homogeneous Gray Fibrous Loose	100%	Cellulose			None Detected
B-44 A44834	Sample Not Analyzed per COC						
B-45 A44835	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Cleveland, OH 44130

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-46 A44836	TSI	Heterogeneous Gray Fibrous Loosely Bound	5%	Cellulose	60%	Binder	35% Chrysotile
B-47 A44837	Sample Not Analyzed per COC						
B-48 A44838	Sample Not Analyzed per COC						
B-49 A44839	TSI	Homogeneous Black Non-fibrous Bound			100%	Foam	None Detected
B-50 A44840	TSI	Homogeneous Black Non-fibrous Bound			100%	Foam	None Detected
B-51 A44841	TSI	Homogeneous Black Non-fibrous Bound			100%	Foam	None Detected
B-52 A44842	Duct Sealer	Homogeneous Gray Non-fibrous Bound			100%	Binder	None Detected
B-53 A44843	Duct Sealer	Homogeneous Gray Non-fibrous Bound			100%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: WESTECH, Inc.
8090 Furlong Dr.
Clevs, OH 45002

Lab Code: A18-6941.1
Date Received: 07-10-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: 4th and Walnut Center; 18.867.100

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-54 A44844	Caulk	Homogeneous Gray Fibrous Bound	97%	Caulk			3% Chrysotile
B-55 A44845	Sample Not Analyzed per COC						
B-56 A44846	Soundproofing	Homogeneous Gray Fibrous Loosely Bound	90%	Fiberglass	10%	Binder	None Detected
B-57 A44847	Soundproofing	Homogeneous Gray Fibrous Loosely Bound	90%	Fiberglass	10%	Binder	None Detected
B-58 A44848	Soundproofing	Homogeneous Brown Non-fibrous Bound			100%	Cork	None Detected
B-59 A44849	Soundproofing	Homogeneous Brown Non-fibrous Bound			100%	Cork	None Detected
B-60 A44850	Plaster	Homogeneous White Non-fibrous Bound	65%	Binder	35%	Silicates	None Detected
B-61 A44851	Plaster	Homogeneous White Non-fibrous Bound	65%	Binder	35%	Silicates	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
B-62 Layer 1 A44852	Surface Material	Heterogeneous		5% Paint	None Detected
		White		55% Binder	
		Non-fibrous		40% Calc Carb	
		Bound			
B-63 Layer 2 A44852	Plaster	Homogeneous		40% Binder	None Detected
		White		60% Calc Carb	
		Non-fibrous			
		Bound			
B-64 A44853	Plaster	Homogeneous		40% Binder	None Detected
		White		60% Calc Carb	
		Non-fibrous			
		Bound			
B-65 A44854	Plaster	Homogeneous		40% Binder	None Detected
		White		60% Calc Carb	
		Non-fibrous			
		Bound			
B-66 A44855	Plaster	Homogeneous		40% Binder	None Detected
		White		60% Calc Carb	
		Non-fibrous			
		Bound			
B-67 A44856	Plaster	Homogeneous		40% Binder	None Detected
		White		60% Calc Carb	
		Non-fibrous		<1% Paint	
		Bound			
B-67 A44857	Door Insulation	Homogeneous	100% Fiberglass		None Detected
		Tan			
		Fibrous			
		Loose			

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
B-68 A44858	Door Insulation	Homogeneous Tan Fibrous Loose	100% Fiberglass		None Detected
B-69 A44859A	Floor Tile	Homogeneous Gray Non-fibrous Bound		80% Vinyl 20% Calc Carb	None Detected
A44859B	Mastic	Homogeneous Black Non-fibrous Bound		100% Mastic	None Detected
B-70 A44860A	Floor Tile	Homogeneous Gray Non-fibrous Bound		80% Vinyl 20% Calc Carb	None Detected
A44860B	Mastic	Homogeneous Black Non-fibrous Bound		100% Mastic	None Detected
B-71 A44861A	Covebase	Homogeneous Gray Non-fibrous Bound		100% Vinyl	None Detected
Layer 1 A44861B	Mastic	Homogeneous Clear Non-fibrous Bound		100% Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous		Non-Fibrous		
Layer 2 A44861B	Mastic	Homogeneous Brown Non-fibrous Bound			100%	Mastic	None Detected
B-72 A44862A	Covebase	Homogeneous Gray Non-fibrous Bound			100%	Vinyl	None Detected
Layer 1 A44862B	Mastic	Homogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
Layer 2 A44862B	Mastic	Homogeneous Brown Non-fibrous Bound			100%	Mastic	None Detected
B-73 A44863	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	35%	Cellulose	5%	Paint	None Detected
			35%	Fiberglass	25%	Perlite	
B-74 A44864	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	35%	Cellulose	5%	Paint	None Detected
			35%	Fiberglass	25%	Perlite	
B-75 A44865	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	35%	Cellulose	5%	Paint	None Detected
			35%	Fiberglass	25%	Perlite	

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-76 A44866	Ceiling Tile	Heterogeneous	35%	Cellulose	5%	Paint	None Detected
		White	35%	Fiberglass	25%	Perlite	
		Fibrous					
		Loosely Bound					
B-77 A44867A	Floor Tile	Homogeneous			80%	Vinyl	None Detected
		Gray			20%	Calc Carb	
		Non-fibrous Bound					
A44867B	Mastic	Homogeneous			100%	Mastic	None Detected
		Yellow					
		Non-fibrous Bound					
B-78 A44868A	Floor Tile	Homogeneous			80%	Vinyl	None Detected
		Gray			20%	Calc Carb	
		Non-fibrous Bound					
A44868B	Mastic	Homogeneous			100%	Mastic	None Detected
		Yellow					
		Non-fibrous Bound					
B-79 A44869	Wallboard/Mud	Heterogeneous	10%	Cellulose	5%	Paint	None Detected
		White			10%	Calc Carb	
		Fibrous			75%	Gypsum	
		Bound					
B-80 A44870	Wallboard/Mud	Heterogeneous	10%	Cellulose	5%	Paint	None Detected
		White			10%	Calc Carb	
		Fibrous			75%	Gypsum	
		Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
B-81 A44871	Ceiling Tile	Heterogeneous	35%	Cellulose	5%	Paint	None Detected
		White	35%	Fiberglass	25%	Perlite	
		Fibrous					
		Loosely Bound					
B-82 A44872	Ceiling Tile	Heterogeneous	35%	Cellulose	5%	Paint	None Detected
		White	35%	Fiberglass	25%	Perlite	
		Fibrous					
		Loosely Bound					
B-83 A44873A	Floor Tile	Homogeneous			80%	Vinyl	None Detected
		Off-white			20%	Calc Carb	
		Non-fibrous Bound					
A44873B	Mastic	Homogeneous			100%	Mastic	None Detected
		Yellow					
		Non-fibrous Bound					
A44873C	Floor Tile	Homogeneous			80%	Vinyl	None Detected
		Brown			20%	Calc Carb	
		Non-fibrous Bound					
Layer 1 A44873D	Mastic	Homogeneous			100%	Mastic	None Detected
		Yellow					
		Non-fibrous Bound					
Layer 2 A44873D	Mastic	Homogeneous			98%	Mastic	2% Chrysotile
		Brown					
		Fibrous Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-84 A44874A	Floor Tile	Homogeneous Off-white Non-fibrous Bound			80% 20%	Vinyl Calc Carb	None Detected
A44874B	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
A44874C	Floor Tile	Homogeneous Brown Non-fibrous Bound			80% 20%	Vinyl Calc Carb	None Detected
A44874D	Sample Not Analyzed per COC						
B-85 A44875	Wallboard/Mud	Heterogeneous White Fibrous Bound	10%	Cellulose	5% 10% 75%	Paint Calc Carb Gypsum	None Detected
B-86 A44876	Wallboard/Mud	Heterogeneous White Fibrous Bound	10%	Cellulose	5% 10% 75%	Paint Calc Carb Gypsum	None Detected
B-87 A44877	Wallboard/Mud	Heterogeneous White Fibrous Bound	10%	Cellulose	5% 10% 75%	Paint Calc Carb Gypsum	None Detected
B-88 A44878	Wallboard/Mud	Heterogeneous White Fibrous Bound	10%	Cellulose	5% 10% 75%	Paint Calc Carb Gypsum	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-89 A44879	Insulation	Homogeneous Tan Fibrous Loose	100%	Cellulose			None Detected
B-90 A44880	Insulation	Homogeneous Tan Fibrous Loose	100%	Cellulose			None Detected
B-91 A44881	TSI	Homogeneous Gray Fibrous Bound	5%	Cellulose	45%	Binder	50% Chrysotile
B-92 A44882	Sample Not Analyzed per COC						
B-93 A44883	Fireproofing	Homogeneous Gray Fibrous Loose	100%	Cellulose			None Detected
B-94 A44884	Fireproofing	Homogeneous Gray Fibrous Loose	100%	Cellulose			None Detected
B-95 Layer 1 A44885	Sealer	Homogeneous Gray Fibrous Bound			97%	Binder	3% Chrysotile
Layer 2 A44885	Duct Tape	Homogeneous Gray Fibrous Bound	60%	Cellulose	40%	Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
B-96 A44886	Sample Not Analyzed per COC				
B-97 A44887	Door Insulation	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
B-98 A44888	Door Insulation	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected
B-99 A44889A	Covebase	Homogeneous Gray Non-fibrous Bound		100% Vinyl	None Detected
A44889B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
B-100 A44890A	Covebase	Homogeneous Gray Non-fibrous Bound		100% Vinyl	None Detected
A44890B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
B-101 A44891	TSI	Homogeneous Gray Fibrous Loosely Bound	90%	Binder	5% Chrysotile 5% Amosite

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B-102 A44892	Sample Not Analyzed per COC						
B-103 A44893	Sample Not Analyzed per COC						
1-D A44894	Homogeneous,	Homogeneous Green Fibrous Bound	5%	Cellulose	95%	Binder	None Detected
2-D A44895	Sheet Vinyl	Heterogeneous White,Beige Fibrous Bound	10% 5%	Synthetic Fiber Fiberglass	60% 25%	Vinyl Binder	None Detected
3-D A44896	Caulking	Homogeneous Black Non-fibrous Bound			100%	Caulk	None Detected
4-D A44897	Sealant	Homogeneous Brown Non-fibrous Bound			100%	Binder	None Detected
5-D A44898A	Covebase	Homogeneous Gray Non-fibrous Bound			100%	Vinyl	None Detected
A44898B	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected

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			Fibrous		Non-Fibrous		
6-D A44899	Homogeneous,	Homogeneous			55%	Binder	None Detected
		Red		30%	Silicates		
		Non-fibrous		15%	Vermiculite		
		Tightly Bound					
7-D A44900	Vinyl	Homogeneous			100%	Vinyl	None Detected
		Gray,Black Non-fibrous Bound					
8-D A44901	Vibration Dampener	Homogeneous Black Fibrous Bound	35%	Synthetic Fiber	65%	Vinyl	None Detected
9-D A44902A	Floor Tile	Homogeneous			80%	Vinyl	None Detected
		Gray Non-fibrous Bound			20%	Calc Carb	
A44902B	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
10-D A44903	Caulking	Homogeneous Gray Non-fibrous Bound			100%	Caulk	None Detected
11-D A44904	Leveling Compound	Homogeneous Gray Fibrous Bound	10%	Cellulose	90%	Binder	None Detected

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			Fibrous		Non-Fibrous		
12-D A44905	Sheet Vinyl	Heterogeneous Gray Fibrous Bound	25%	Cellulose	75%	Vinyl	None Detected
13-D A44906	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
14-D A44907	Caulking	Homogeneous White Non-fibrous Bound			100%	Caulk	None Detected
15-D A44908	Tar	Heterogeneous Black Fibrous Bound	35%	Cellulose	65%	Tar	None Detected
16-D Layer 1 A44909	Plaster Skim Coat	Homogeneous White Non-fibrous Bound			40% 60%	Binder Calc Carb	None Detected
Layer 2 A44909	Plaster Base Coat	Homogeneous Gray Fibrous Bound	<1%	Hair	60% 40%	Binder Silicates	<1% Chrysotile
17-D A44910	Tar	Homogeneous Black Fibrous Bound	15%	Cellulose	85%	Tar	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
18-D A44911A	Covebase	Homogeneous Gray Non-fibrous Bound		100% Vinyl	None Detected
A44911B	Mastic	Homogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
19-D Layer 1 A44912	Paint	Homogeneous Silver Fibrous Bound	<1% Cellulose	100% Paint	None Detected
Layer 2 A44912	Rubber	Homogeneous Black Non-fibrous Bound		100% Rubber	None Detected
20-D Layer 1 A44913A	Surface Mastic	Homogeneous Yellow Fibrous Bound	2% Synthetic Fiber	98% Mastic	None Detected
Layer 2 A44913A	Floor Tile	Homogeneous Brown Fibrous Bound		77% Vinyl 20% Calc Carb	3% Chrysotile
A44913B	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous		Non-Fibrous		
A44913C	Floor Tile	Homogeneous White Fibrous Bound	78%		Vinyl Calc Carb	20%	2% Chrysotile
A44913D	Mastic	Homogeneous Black Fibrous Bound	95%		Mastic		5% Chrysotile
21-D A44914A	Covebase	Homogeneous Off-white Non-fibrous Bound	100%		Vinyl		None Detected
A44914B	Mastic	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
22-D A44915	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	35%	Cellulose	5%	Paint	None Detected
			35%	Fiberglass	25%	Perlite	
23-D A44916A	Floor Tile	Heterogeneous Off-white Non-fibrous Bound	80%		Vinyl Calc Carb	20%	None Detected
A44916B	Mastic	Heterogeneous Yellow Non-fibrous Bound	100%		Mastic		None Detected

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			Fibrous	Non-Fibrous	
24-D A44917	Sealant	Homogeneous Brown Non-fibrous Bound		100% Binder	None Detected
25-D A44918	Sealant	Homogeneous Gray Non-fibrous Bound		100% Binder	None Detected
26-D Layer 1 A44919	Insulation	Homogeneous White Fibrous Loosely Bound		35% Binder	65% Chrysotile
Layer 2 A44919	Insulation	Homogeneous Brown Non-fibrous Loosely Bound	100% Cellulose		None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

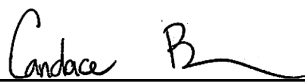
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

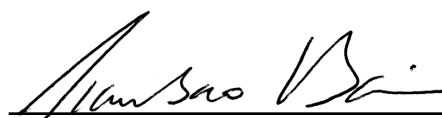
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST:


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APPROVED BY:


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A18-0941

CHAIN OF CUSTODY

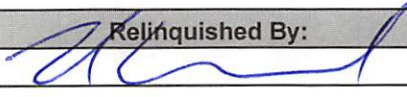
LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

Company:	WESTECH Environmental Solutions	Client #:	
Address:	8090 Furlong Drive	Job Contact:	Fred Wolnitzek
	Cleves, Ohio 45002	Email:	fred@gowestech.com
		Tel:	(513) 353-0700
Project Name:	4th and Walnut Center	Fax:	(513) 353-1701
Project ID #:	18.867.100	P.O. #:	18.867.100

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600							X
PLM POINT COUNT (400)	EPA 600							
PLM POINT COUNT (1000)	EPA 600							
PLM GRAVIMETRIC	EPA 600							
PLM GRAV w POINT COUNT	EPA 600							
PCM AIR	NIOSH 7400							
TEM AIR	AHERA							
TEM AIR	EPA Level II							
TEM AIR	NIOSH 7402							
TEM BULK	CHATFIELD							
TEM DUST WIPE	ASTM D6480-05							
TEM DUST MICROVAC	ASTM D5755-03							
TEM QUALITATIVE	CEI LABS							
OTHER:								
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B							
LEAD WIPE	EPA SW846 7000B							
LEAD SOIL	EPA SW846 7000B							
LEAD AIR	NIOSH 7082							
OTHER:								

REMARKS: Stop at first positive. Except Drywall and Joint Compound and Plaster			Accept Samples
			Reject Samples
Relinquished By:	Date/Time	Received By:	Date/Time
	7/5/18 7:45	MUS	7/10/18 9:05

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis.

Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		6/21/18,	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)			
1	1	Ceiling Tile Drywall Fine texture 2'x4'	Snappy Tomato	NF	Snappy Tomato				
2	1	"	"	NF					
3	2	Floor Tile 12x12 Black with white specks & mastic	"	NF					
4	2	"	"	NF					
5	3	Textured wall covering & mastic	"	NF					
6	3	"	"	NF					
7	4	Clear Caulk	"	NF					
8	4	"	"	NF					
9	5	Floor Tile 12x12 beige mottled and mastic	"	NF					
10	5	"	"	NF					
11	6	Wall covering mastic	"	NF					
12	6	"	"	NF					
13	7	Drywall & Joint Compound 19th Floor	19th Floor	NF					
14	7	"	19th Floor						
15	8	Drywall & Joint Compound 18th Floor	18th Floor kitchenette						
16	8	"	18th Floor Office						
17	9	Drywall & Joint Compound 17th Floor	17th Floor mechanical Room						
18	9	"	17th Floor office						
19	10	Drywall & Joint Compound 16th Floor	16th Floor office						
20	10	"	16th Floor office						
21	11	Drywall & Joint Compound 15th Floor	15th Floor office						
22	11	"	"	NF					

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
23	12	Drywall & Joint Compound 14th Floor	14th Floor Office	NF		
24	12	" "	" "			
25	13	Drywall & Joint Compound 13th Floor	13th Floor Office			
26	13	" "	" "			
27	14	Drywall & Joint Compound 12th Floor	12th Floor			
28	14	" "	" "			
29	15	Drywall & Joint Compound 14th Floor				
30	15	" "				
31	16	Drywall & Joint Compound 10th Floor				
32	16	" "				
33	17	Drywall & Joint Compound 9th Floor				
34	17	" "				
35	18	Drywall & Joint Compound 8th Floor				
36	18	" "				
37	19	Drywall & Joint Compound 7th Floor				
38	19	" "				
39	20	Drywall & Joint Compound 6th Floor				
40	20	" "				
41	21	Drywall & Joint Compound 6th Floor				
42	21	" "				
43	22	Drywall & Joint Compound 5th Floor				
44	22	" "		NF		

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
45	23	Drywall & Joint Compound 5th C Floor		NF		
46	23	"				
47	24	Drywall & Joint Compound 4th A Floor				
48	24	"				
49	25	Drywall & Joint Compound 4th B Floor				
50	25	"				
51	26	Drywall & Joint Compound 4th C Floor				
52	26	"				
53	27	Drywall & Joint Compound 3rd A Floor				
54	27	"				
55	28	Drywall & Joint Compound 3rd B Floor				
56	28	"				
57	29	Drywall & Joint Compound 3rd C Floor				
58	29	"				
59	30	Drywall & Joint Compound 2nd A Floor				
60	30	"				
61	31	Drywall & Joint Compound 2nd B Floor				
62	31	"				
63	32	Drywall & Joint Compound 2nd C Floor				
64	32	"				
65	33	Drywall & Joint Compound 1st A Floor		NF		

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ASBESTOS SAMPLING LOG

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
66	33	Drywall & Joint Compound 1st Floor A				
67	34	Drywall & Joint Compound 1st Floor B				
68	34	" "				
69	35	Drywall & Joint Compound 1st Floor C				
70	35	" "				
71	36	Drywall & Joint Compound Ground Floor A				
72	36	" "				
73	37	Drywall & Joint Compound Ground Floor B				
74	37	" "				
75	38	Drywall & Joint Compound Ground Floor C				
76	38	" "				
77	39	Plaster, Walls, A	19th Floor		Throughout A Building	
78	39	" "	18th Floor			
79	39	" "	17th Floor			
80	39	" "	12th Floor			
81	39	" "	10th Floor			
82	39	" "	7th Floor			
83	39	" "	6th Floor			
84	40	Plaster, Walls, B	4th Floor		Throughout B Building	
85	40	" "	4th Floor			
86	40	" "	3rd Floor			
87	40	" "	2nd Floor			

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
88	40	Plaster, walls, B	2nd Floor mechanical room		Throughout B Building	
89	40	"	1st Floor		↓	
90	40	"	Ground Floor			
91	41	Plaster, walls, C	5th Floor		Throughout C Building	
92	41	"	4th Floor		↓	
93	41	"	6th Floor			
94	41	"	3rd Floor			
95	41	"	2nd Floor			
96	41	"	1st Floor		↓	
97	41	"	Ground Floor			
98	42	Plaster, ceilings, A	12th Floor		Throughout A Building	
99	42	"	17th Floor		↓	
100	42	"	15th Floor			
101	42	"	10th Floor			
102	42	"	7th Floor			
103	42	"	6th Floor		↓	
104	42	"	12th Floor			
105	43	Plaster, ceilings, B			Throughout B Building	
106	43	"			↓	
107	43	"	FLTW			
108	43	"				
109	43	"			↓	

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Project No: 18.867.100			Client: Green City Demolition		Date: 01/00/00	
Inspector: Kari Brwn and Fred Wolnitzek			Building: 4th and Walnut Center			
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
110	43	Plaster, ceilings, B	FW		Throughout B Building	
111	43					
112	44	Plaster, ceilings, C			Throughout C Building	
113	44	"	Decking			
114	44	"	FW			
115	44	"				
116	44	"				
117	44	"				
118	44	"				
119	45	Yellow Casper masonry	18th Floor		Throughout All	
120	45	"	12th Floor			
121	45	"	15th Floor			
122	45	"	6th Floor C Building			
123	45	"	5th Floor C Building			
124	45	"	3rd Floor C Building			
125	45	"	Ground Floor			
126	46	Ceiling Tile, 2x2, hole, pinhole	6th Floor C Building		Throughout All	
127	46		5th Floor C Building			

Project No:		18.867.100	Client:		Green City Demolition	Date:		
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)		
128	46	Ceiling Tile, 2x2, hole and pinhole	19th Floor		Through hole at All Buildings			
129	46	"	17th Floor					
130	46	"	4th Floor C Building					
131	46	"	4th Floor B Building					
132	46	"	3rd Floor C Building					
133	47	Hardwood Floor Paper	19th Floor		Throughout A Building			
134	47	"	18th Floor					
135	47	"	15th Floor		15			
136	47	"	11th Floor					
137	47	"	7th Floor					
138	47	"	19th Floor					
139	47	"	19th Floor					
140	48	Ceiling Tile, 2x2, gray	19th Floor Corner office		19 Floor A Building			
141	48	"	"		"			
142	49	Caulk, white, (elevators)	16th Floor		A Building			
143	49	"	5th Floor		"			
144	50	Sink undercoating, white	18th Floor Kitchenette		A Building			
145	50	"	17th Floor Kitchenette		"			
146	51	Core base, 6", tan, domestic	18th Floor A Building		6, 18			
147	51	"	6th Floor A Building					
148	52	Spline ceiling (1x1)	18th Floor Office		A Building mechanical rooms			
149	52	"	12th Floor mechanical room		"			

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Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		6/21/18,	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)			
150	53	spline ceiling mastic (pucks)	19th Floor		Ceilings throughout A				
151	53	"	18th Floor		"				
152	53	"	16th Floor		"				
153	53	"	14th Floor		"				
154	53	"	7th Floor		"				
155	54	Floor tile, 12x12, tan mottled & mastic	18th Floor		A Building (18, 17, 4				
156	54	"	17th Floor		"				
157	55	Cove base, 4", blue & mastic	12th Floor office		A Building (12, 17				
158	55	"	18th Floor office						
159	56	Cove base, 4", black, & mastic	16th Floor office		19, 16, 15				
160	56	"							
161	57	Ceiling Tile, 2x4', hole & fissure	18th Floor Office		18				
162	57	"	"		"				
163	58	Cove base, 4", tan, & mastic	14th Floor		19, 18, 14, 10				
164	58	"	10th Floor						
165	59	Cove base, 4", brown & mastic	17th Floor		17				
166	59	"							
167	60	Cove base, 4", maroon & mastic	18th Floor A Building		17, 12, 7				
168	60	"	7th Floor "						
169	61	Caulk, black	14th Floor		Office entry windows (17, 14)				
170	61	" sealant	12th Floor		"				
171	62	Pipe black , grey	16th floor mechanical Room		16th floor A Building				

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Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		6/21/18,	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations		Quantity (LF/SF/CF)		
172	62	Pipe sealant, gray	16th Floor		16th Floor, A Building				
173	63	Floor Tile, 12x12, tan w/ tan & brown specks & mosaic	12th Floor Kitchenette		17th Floor, A Building				
174	63	"	"						
175	64	Floor Tile, 12x12, tan & mosaic			15th Floor Kitchenette A Building				
176	64	"			"				
177	65	Floor tile, 12x12, white w/ tan specks & mosaic	14th Floor		14th Floor Kitchenette A Building				
178	65	"	14th Floor						
179	66	Core Base, 4", dark gray & mosaic	13th Floor		13, 12, 10 Floors A Building				
180	66	"	10th Floor						
181	67	Core Base, 4", light brown, & mosaic, tan			13				
182	67	"							
183	68	Caulk, white	13th Floor		13th Floor Restrooms, A Building				
184	68	"	5th Floor						
185	69	Core base, 4", gray, & mosaic	18th Floor A Building		13, 12, 10, 7 Floors A Building				
186	69	"	10th Floor A Building						
187	70	Core base, 4", green, & mosaic			12th Floor A Building				
188	70	"							
189	71	Sink undercoating, gray	14th Floor		12 & 7 th Floors A Building				
190	71	"	6th Floor						
191	72	Vinyl sheet flooring, beige, & mosaic, tan			12th Floor A Building				
192	72	"							

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Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		01/00/00	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations		Quantity (LF/SF/CF)		
193	73	Caulk, dark grey	12th Floor office entry windows		12th Floor office entry, windows				
194	73	"	7th Floor "		"				
195	74	Floor Tile, 12x12, tan mottled & mosaic	12th Floor kitchenette		10th Floor A Building				
196	74	"	"		"				
197	75	Core base, 4", white, & mosaic	10th floor office		10 & 7 Floors A Building				
198	75	"	7th Floor office		"				
199	76	Ceiling Tile, 2'x4', hole & pinhole			19th 10th Floor A Building				
200	76	"			"				
201	77	Caulk, grey			7th Floor office entry windows A Building				
202	77	"			"				
203	78	Floor tile, 12x12, mottled red & mosaic			7th Floor A Building				
204	78	"			"				
205	79	Parquet Floor mosaic	19th Floor		19th Floor A Building				
206	79	"	"		"				
207	80	Anywall & some composite paper Green		FWW	19th Floor A Building				
208	80	"			"				
209	81	Tread mosaic (1 x each floor)	12th Floor		Five escape steps 1st floor A Building				
210	81	"	12th Floor		"				
211	82	Floor leveling compound	16th Floor		A Building				
212	82	"	19th Floor						
213	82	"	1st Floor A Building						
214	82	"	1st Floor B Building						

Project No:		18.867.100		Client:		Green City Demolition		Date:		
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		01/00/00		
Sample ID	Hom. Area	Homogeneous Area Description		Sample Location		Friable / Non-friable		Homogeneous Area Locations		Quantity (LF/SF/CF)
215	82	Floor leveling compound		4th Floor C Building				Building		
216	83	Red Fire Stop		16th Floor mechanical Room				19, 6c		
217	83	"		12th Floor mechanical Room						
218	83	"		6th Floor C						
219	84	Duct expansion joint		16th Floor mechanical Room				mech. rooms A Building		
220	84	"		6th Floor						
221	85	Wood paneling mastic		FLW				18th Floor Hall A Building		
222	85	"		FLW						
223	86	6 to 8" pipe Insulation, water lines, vertical		18th Floor				Building Throughout		
224	86	"		14th Floor						
225	86	"		6 A						
226	86	"		5th Floor C Building						
227	86	"		1st Floor A Building						
228	86	"		1st Floor B Building						
229	86	"		Ground Floor B Building						
230	87	Duct lining, fibrous, black		16th Floor				Ducts, A Building		
231	87	"		15th Floor						
232	87	"		14th Floor						
233	87	"		12th Floor						
234	87	"		6th Floor						
235	87	"		5th Floor						
236	87	"		4th Floor						

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
232	88	Underlayment, ^{mastic} layered - fiber paper	15th Floor		4, 15, 10	
238	88	"	10th Floor			
239	88	"	10th Floor			
240	88	"	4th Floor			
241	88	"	4th Floor			
242	89	Massic Mastic, duct, brown	16th Floor		4	
243	89	"	13th Floor			
244	89	"	4th Floor			
245	89	"	FWW			
246	89	"				
247	90	Ceiling Tile, 2x2, square pattern			14th Floor & Building	
248	90	"			"	
249	91	Mastic, duct, grey	16th Floor		15	
250	91	"	15th Floor			
251	91	"				
252	91	"	FWW			
253	91	"				
254	92	Floor Tile, 9x9, white & black mastic	15th Floor		15, 4	
255	92	"	4th Floor			
256	93	Floor Tile, 9x9, Green & Black mastic	15th Floor		15, 11, 4	
257	93	"	11th Floor			
258	94	Floor Tile, 9x9, maroon & Black mastic	18th Floor & Building		15	

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Project No:		18.867.100	Client:		Green City Demolition	Date:	
Inspector:		Kari Brwn and Fred Wolnitzek	Building:		4th and Walnut Center		6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)	
259 94		Floor Tile, 9x9, maroon, & black mastic	15th Floor A Building		15		
260 95		Floor Tile, 12x12, white textured & black mastic	12th Floor		12 & 9, 10		
261 95		" "	9th Floor		" "		
262 96		Floor Tile, 9x9, dark green & black mastic			12		
263 96		" "			" "		
264 97		Floor Tile, 9x9, Tan & black mastic	15th Floor		12, 4		
265 97		" "	12th Floor		" "		
266 98		Floor Tile, 9x9, Brown & black mastic	15th Floor		15, 11, 4		
267 98		" "	11th Floor		" "		
268 99		Floor Tile, 9x9, Black & black mastic	10th Floor		10, 4		
269 99		" "	4th Floor		" "		
270 100		Floor Tile, 9x9, Gray & black mastic	15th Floor		10, 4		
271 100		" "	10th Floor		" "		
272 101		Floor Tile, 12x12, cream & mastic	10th Floor		10		
273 101		" "	11th Floor		" "		
274 102		Floor Tile, 9x9, light brown & mastic	11th Floor		11		
275 102		" "	" "				
276 103		Floor Tile, 9x9, dark brown & mastic	15th floor		11		
277 103		" "	11th Floor				
278 104		Floor Tile, 9x9, Bright & mastic	11th Floor		11, 6c		
279 104		" "	6th Floor C Building				
280 105		Floor Tile, 12x12, grey mastic & mastic	F.W.		4		

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Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
281	105	Floor Tile, 12x12, Beige mottled mosaic	Floor		4	
282	106	Paper wrap on fiberglass pipe	19th Floor Mechanical Room		Throughout	
283	106	"	18th Floor Office		Throughout	
284	106	"	19th Floor mechanical Room			
285	106	"	6th Floor C Building			
286	106	"	5th Floor C Building			
287	106	"	5th Floor mechanical Room C Building			
288	106	"	3rd Floor B Building			
289	107	Cove base, 4", Beige & mosaic	6th Floor C Building		6	
290	107	"	"			
291	108	Sink undercoating, Black	5th A Building		5 th , 4 th	
292	108	"	4th C Building			
293	109	Spray on Fireproofing Light Blue	6th Floor Decking		6, 3, 2 C Building	
294	109	"	3rd Floor Decking		columns & decking	
295	109	"	"			
296	109	"	3rd Floor Beam			
297	109	"	2nd Floor Decking			
298	109	"	2nd Floor Beam			
299	109	"	2nd Floor Column			
300	110	Mastic, Duct, Tan	15th Floor		6A	
301	110	Mastic, Duct, Tan				

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Project No:		18.867.100	Client:		Green City Demolition		Date:
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center	01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)	
302	111	Floor Tile, 12x12, grey speckled & mastic, tan			6 A Kitchenettes		
303	111	"					
304	112	Duct mastic, black	5th Floor C Building	F	5c		
305	112	"	"	F			
306	112	"	"	F			
307	113	Caulk, tan	5th Floor C Building mechanical room		5c mech		
308	113	"	"				
309	114	mirror mastic	5c women's				
310	114	"	"				
311	115	Tan Fire stop	5c				
312	115	"					
313	116	Floor Tile, 9x9, grey w/ brown flecks ^{light grey w/ brown flecks}	5th Floor C Building				
314	116		4th Floor C Building				
315	117	Floor Tile, 12x12, grey mastic	5c				
316	117						
317	118	Tread mastic	Stairwell 2		Stairwells		
318	118	"	Stair well 4				
319	119	Cove Base, 2", tan & mastic	4B, 4C				
320	119	"					
321	120	Ceiling Tile, 2x2, pinkish	18th Floor A Building				
322	120	"	4th Floor C Building				
323	121	Floor Tile, 8x18, tan & mastic					

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Project No: 18.867.100		Client: Green City Demolition		Date: 01/00/00	
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center			
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Quantity (LF/SF/CF)
324	121	Floor Tile, 8x16, Tan & mastic			
325	122	Floor Tile, 12x12, Beige mottled & black mastic	4th Floor B		
326	122	"	4th Floor C		
327	123	Spray on Fireproofing (Behind wall)	4C behind wall		
328	123	"	"		
329	123	"	"		
330	124	Spray on Fireproofing, tan	4C Decking		
331	124	"	5C "		
332	124	"	5C "		
333	124	"	4C Decking		
334	124	"	4C Beam		
335	124	"	4C Beam		
336	124	"	4C Decking		
337	125	Floor Tile, 12x12, Light gray mottled & mastic	4C Building		
338	125	"	"		
339	126	Floor Tile, 12x12, Dark gray, mottled & mastic	4th Floor C Building		
340	126	"	"		
341	127	Floor Tile, 12x12, Beige w/ multi-color speckles & mastic	3C		
342	128	"	Ground Floor kitchenette		
343	128	Floor Tile, 9x9, Tan w/ brown & beige speckles & mastic	3C elec closet		
344	128	"	"		
345	129	Cover base, black, 5"	3rd Floor B Building		

416-6941

Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		6/21/18,	
Sample ID	Hom. Area	Homogeneous Area Description		Sample Location		Friable / Non-friable	Homogeneous Area Locations		Quantity (LF/SF/CF)
346	129	Cove base, black, 5"		3rd Floor C Building					
347	130	Ceiling Tiles 1 ft. sq		main entry					
348	130	"							
349	131	Floor Tile 12x12 mottled tan & yellow, & mastic		2nd Floor C Building					
350	131	"		"					
351	132	Floor Tile, 12x12 cream w/ 2 shades blue specks & mastic		2nd Floor C Building					
352	132	"		"					
353	133	Floor Tile, 12x12, grey with grey flecks, & mastic		1st Floor C Building					
354	133	"		"					
355	134	Floor Tile, 18x18, grey stone look,		1st Floor A Building			A & B		
356	134	"		"					
357	135	Floor Tile, 12x12, cream w/ black & tan specks & mastic		1					
358	135	"		"					
359	136	Cove base, 4", mauve		1st Floor C Building					
360	136	"		"					
361	137	Vinyl sheet flooring, grey, w/ fiber backing & mastic		1st Floor A Building					
362	137	"		"					
363	138	Floor Tile, 12x12, Black w/ grey specks, & mastic		1st room under stairs					
364	138	"		"					
365	139	Floor Tile, 9x9, Black w/ circle pattern & mastic		Ground Floor B					
366	139	"		"					
367	140	Floor Tile, 9x9, Cork pattern & mastic		6th Floor Building					

A18-100141

11

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
368	140	Floor Tile, 2x9, Cork Pattern & mastic	113			
369	141	Dry wall & joint compound	Ground Floor Perimeter	FW	DRY WALL	
370	141	"	"	"	"	
371	142	Rope Fine stop	Garage mechanical Room			
372	142	"	"			
373	142	"	"			
374	143	Hard pipe fittings (insulation)	Garage mechanical Room			
375	143	"	"			
376	143	"	"			
377	144	Pipe Insulation, 2"	Garage mechanical Room			
378	144	"	"			
379	144	"	"			
380	145	Floor Tile, 12x12, Beige w/ mastic	Ground Floor, Kitchenette	FW	OK	
381	145	"	"	"	"	
382	146	Insulation Paper, Black	Above metal ceiling in ground floor storage area	FW	NO ACCESS	
383	146	"	"	"	"	
384	146	"	"	"	"	
385	147	Caulk, white	Ground Floor Bathrooms			
386	147	"	"			
387	148	Ceiling Texturing	Garage ceiling			
388	148	"	"			
389	148	"	"			

AL8-0941

Roof Lg Pipes
Garage spray on

ASBESTOS SAMPLING LOG

Page 3 of ____

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				6/21/18,
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
390	148	Ceiling Texturing	Garage Room Ceiling			
391	148	" "	" "			
392	148	" "	" "			
393	148	" "	" "			
394	149	Pipe Insulation, 3"	Garage Room			
395	149	" "	" "			
396	149	" "	" "			
397	150	Fire Door Insulation (wooden door) ^{veneer}	19th Floor Fire door			
398	150	" "	19th Floor Fire door			
399	151	19th New Roof	A Building			
400	151	" "	" "			
401	152	19th old Roof	A Building			
402	152	" "	" "			
403	153	19th Roof Mastic	D A Building			
404	153	" "				
405	154	C Building penthouse Roof	C Building			
406	154	" "				
407	155	Caulk, White	C Building penthouse Roof			
408	155	" "				
409	156		C Building Roof			
410	156					

1716-0041

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
411	157	Roof mastic	C Building Roof			
412	157	"				
413	158	Roofing	B Building EAST side			
414	158	Roofing				
415	159	Roofing	B Building WEST side			
416	159	"				
417	160	Caulk, white	B Building Roof			
418	160	"				
419	161	Roofing	Light court roof			
420	161	Roofing	Light court roof			
421	162	Caulk, white	"			
422	162	"	"			
423	163	Window glazing (old metal windows)	Light court Roof			
424	163	"	"			
425	164	Pipe wrap fibrous (usually over pipe)	19th Floor mechanical Room			
426	164	"	2nd Floor B closet			
427	164	"	19th Floor mechanical Room			
428	165	spine ceiling mastic, tan			17th Floor, A Building	
429	165	"				
430	166	Caulk, Black	17th Floor mechanical Room			
431	166	"	"			
432	167	Floor tile, 9x9, Black w/ white streaks & mastic	14th Floor mechanical Room			

118-0041

118-0041

Project No: 18.867.100		Client: Green City Demolition				Date:
Inspector: Kari Brwn and Fred Wolnitzek		Building: 4th and Walnut Center				01/00/00
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)
433	167	Floor Tile, 9x9, Black w/ white grout	14th Floor mechanical Room			
434	168	Cove Base, 4", Blue & mastic	7th Floor			
435	168	"	"			
436	169	Floor Tile, 12x12, Brown/Grey w/ Black specks & mastic	7th Floor			
437	169	"	"			
438	110	Mastic, Dual Tan				
439	170	Cove Base, 4", Green	3rd Floor A Building			
440	170	"	"			
441	171	Ceiling Tile, 2x2, Textured white	3rd Floor C			
442	171	"	2nd Floor C			
443	172	Grey vinyl sheet flooring	17th Floor			
444	172	"	11th Floor			
445	173	Cove Base, 4", Dark Blue	11th Floor			
446	173	"	"			
447	174	Floor Tile, 18x18, Blue stone pattern	11th Floor			
448	174	"	"			
449	175	Vinyl strip flooring, Wood look	2nd Floor C Building			
450	175	"	"			
451	176	Dark wrg paper, Aluminum Face			Throughout	
452	176					
453	176					
454	176					

118-0941

ASBESTOS SAMPLING LOG

Page 6 of ____

Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brwn and Fred Wolnitzek		Building:		4th and Walnut Center		01/00/00	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations		Quantity (LF/SF/CF)		
455	176	Duck Wrap Paper, Aluminum Face							
456	177	Floor Tile, 12x12, Pink	Ground, A Building						
457	177	"	"						
458	178	Floor Tile, 12x12, yellow	Ground, A Building						
459	178	"	"						
460	179	Flooring Squares, Brown & Tan	Ground, A Building						
461	179	"	"						
462	180	Spray on Fireproofing Beige	Garage - Access from mechanical room						
463	180	"	"						
464	180	"	"						
465									
466									
467									
468									
469									
470									
471									
472									

FWL

ASBESTOS BULK SAMPLING LOG

105 E. 4th STREET, Cincinnati, OH 45202

Page 1 of 5

Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-1	6/28/18	B1	TSI (insulation)	White/gray, Breaching - Powder, fibrous	Boiler Room Coal Furnace to chimney	1500 SF
B-2	"	B1	" "	" " "	" " "	
B-3	"	B1	" "	" " "	" " "	
B-4	"	B1	" "	" " "	" " "	
B-5	"	B1	" "	" " "	" " "	
B-6	"	B2	TSI (pipe insulation)	gray, powdery, fibrous	12"-18" Boiler Room Pipe, Low pressure steam	150 SF / 225 SF
B-7	"	B2	" "	" "		
B-8	"	B2	" "	" "		
B-9	"	B3	insulation wrap	white/ALUMN, Fiberglass wrap	Boiler Room 6" pipe	
B-10	"	B3	" "	" "	" " 4" pipe	
B-11	"	B4	insulation wrap	TAN CANVAS Fiberglass wrap	Boiler Room DOMESTIC HOT WATER 5" LINE	
B-12	"	B4	" "	" "	" "	
B-13	"	B5	HARD Fittings	GRAY, Powdery, Fibrous	Boiler Room, 3"-6" WATER Lines	80
B-14	"	B5	" "	" "	" " Pipe	
B-15	"	B5	" "	" "	Throughout BASEMENT	
B-16	"	B6	TSI (insulation)	TAN, Fibrous, Cementitious Material	OLD COAL Boiler upper & surrounding Lower Part	28 SF
B-17	"	B6	" "	" "	(MANWAYS to the mud drum AND STEAM DRUM)	
B-18	"	B6	" "	" "	" "	
B-19	"	B7	TSI (insulation)	GRAY, Powdery, Fibrous insulation	TANK, BOILER INSULATION ABOVE THE COAL BOILER (STEAM DRUM)	190 SF
B-20	"	B7	" "	" "	" "	
B-21	"	B7	" "	" "	" "	
B-22	"	B8	Fire brick w/coating	TAN brick w/gray coating	INTERIOR of Coal Boiler Room	600 SF

MIS

AS-10441

Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-23	6/28/18	B8	Fire Brick w/coating	TAN Brick w/gray coating	INTERIOR of COAL Boiler Burner	
B-24	"	B9	Rope Gasket	white/gray FURNACE gasket	COAL FURNACE AT SEAMS	120 LF
B-25	"	B9	" "	" "	" "	
B-26	"	B10	Gasket MATERIAL	gray/silver MATERIAL	OUTER SIDE of COAL Boiler	750 16 SF
B-27	"	B10	" "	" "	(MAN WAY to the roof DRIVE AND STEAM DRAIN)	
B-28	"	B11	Rope GASKET	white gasket MATERIAL	3 rd GAS Boiler	160 LF
B-29	"	B11	" "	" "	4 th GAS BOILER	
B-30	"	B12	INSULATION	GRAY/TAN CEMENTITIOUS COATING	INTERIOR of GAS Boilers - 3 rd	870 SF
B-31	"	B12	"	" "	" " - 4 th	(ALLS)
B-32	"	B12	INSULATION Gasket	white/TAN FIBROUS MATERIAL	" " - 5 th	
B-33	"	B13	INSULATION Gasket	white/TAN FIBROUS MATERIAL	INTERIOR GAS FURNACE ENDS ^{AT BOILER}	20 SF
B-34	"	B13	" "	" "	Turn	
B-35	"	B14	Fire proofing	gray, fibrous, spray-on	N.E. CORNER BOILER ROOM STRUCTURAL I BEAMS	1,094?
B-36	"	B14	"	" "	" N.E. CENTER "	
B-37	"	B14	"	" "	" S.E. CORNER "	
B-38	"	B14	"	" "	CEIL ABOVE MAIN OFFICE	
B-39	"	B14	"	" "	By main office going into VEOLIA ^{REPAIR AT} ^{ENTRANCE TO VEOLIA by office}	400 LF 300 LF
B-40	6/29/18	B15	TSI	TAN/gray white, powdery, fibrous	3"-6" pipe insulation - Boiler Rm	400 LF
B-41	"	B15	"	"	" THROUGH OUT BASEMENT	
B-42	"	B15	"	"	"	
B-43	"	B16	TSI	TAN/GRAY, CELLULOSE	3"-6" pipe insulation in Boiler Rm & Throughout Bsmt.	300 SF
B-44	"	"	"	"	"	

Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-45	6/29/18	B16	Tan/gray TSI	TAN/GRAY, CELLULOSE	Boiler Room Through out Bsmt	—
B-46	"	B17	TSI Duct Insulation	GRAY, powdery, fibrous	Boiler Room Ramp to Tool Room	1600 SF
B-47	"	B17	" "	" " "	MAINTENANCE STORAGE in Bsmt	
B-48	"	B17	" "	" " "	Bsmt AIR HANDLER ROOM	
B-49	"	B18	16"-24" PIPE TSI PIPE INSULATION	BLACK, FOAMGLAS	Through out BASEMENT	
B-50	"	B18		" "	" "	
B-51	"	B18		" "	" "	
B-52	"	B19	Duct SEALER	GRAY,	Bsmt FILTER Rm (FAN ROOM)	50 SF
B-53	"	B19	" "		Through out Bsmt Ducts	
B-54	"	B20	CAULK	GRAY, BRITTLE	Bsmt FILTER ROOM (FAN RM)	100 LF
B-55	"	B20	"	" "	"	
B-56	"	B21	SOUND PROOFING	GRAY, fibrous	Bsmt AIR FILTER ROOM DOORS	54 SF
B-57	"	B21	" "	" "	" "	
B-58	"	B22	SOUND PROOFING	BROWN	BASEMENT Dumb WINTER DOORS	
B-59	"	B22	" "	" "	" "	
B-60	"	B23	PLASTER	white	Bsmt FILTER Rm ENTRY WALL AT STEPS	
B-61	"	B23	"	"	Bsmt LARGE FAN AREA in FAN ROOM	
B-62	"	B23	"	"	Bsmt - NE CORNER by SINGLE ELEVATOR LOBBY	
B-63	"	B23	"	"	Bsmt BOILER Rm - FURTHST SE Column	
B-64	"	B23	"	"	Bsmt ELEVATOR MECHANICAL ROOM - SHAFT WALLS	
B-65	"	B23	"	"	Bsmt MAINT STORAGE CEILING	
B-66	"	B23	"	"	Bsmt WALL BETWEEN BLUE PRINT RM AND BOILER ROOM	

AL8-10941

Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-67	6/29/18	B28	POOR INSULATION	TAN, FIBEROUS	Bsmt 1/2 DECK TO ELEV. MECH. ROOM	
B-68	"	B28	" "	" "	" " "	
B-69	"	B29	VFT / Mastic	LIGHT GRAY 12"x12" w/WHITE AND GRAY SPECKLES w/BLACK MASTIC	Bsmt NON-SMOKING LOUNGE	400 SF
B-70	"	B29	" "	" "	" " "	
B-71	"	B30	6" LOW BASE MASTIC	GRAY BASE BOARD / CLEAR & BROWN MASTIC	Bsmt NON-SMOKING LOUNGE	80 LF
B-72	"	B30	" "	" "	" "	
B-73	"	B31	SUSPENDED CEIL. TILE	2'x2' RECESSED, WHITE FISSURED w/DOTS	Bsmt NON-SMOKING LOUNGE	400 SF
B-74	"	B31	" "	" "	Bsmt ELEVATOR LOBBY, VEOLIA OFFICE	994 760 SF
B-75	"	B32	SUSPENDED CEIL. TILE	2'x4' WHITE FISSURED w/DOTS	Bsmt HALL OUTSIDE OF NON-SMOKING LOUNGE	228 SF
B-76	"	B32	" "	" "	" "	
B-77	"	B33	VFT / MASTIC	12"x12" GRAY SPECKLED w/ YELLOW MASTIC	Bsmt ELEVATOR LOBBY	994 760 SF
B-78	"	B33	" "	" "	VEOLIA OFFICE	
B-79	"	B34	GW B & MUD	White Gypsum	Bsmt NON-SMOKING LOUNGE WALLS	288 SF
B-80	"	B34	" "	" "	" "	
B-81	"	B35	SUSPENDED CEIL. TILE	2'x2' FLUSH, WHITE, FISSURED	Bsmt MAINT. OFFICE	276 SF
B-82	"	B35	" "	" "	" "	
B-83	"	B36	2 LAYERS FLOOR TILE & ASSOCIATED MASTICS	12"x12" off white w/GRAY STREAKS OVER BROWN TILE AND ASSOC. MASTICS	Bsmt MAINT OFFICE	276 SF
B-84	"	B36	" "	" "	" "	
B-85	"	B37	GW B & MUD	White Gypsum	Blue Print Room PARTIAL CEIL. AND WALLS	220 SF
B-86	"	B37	" "	" "	" "	
B-87	"	B38	GW B & MUD	Green Moisture Resistant board & MUD	Blue Print RM PARTIAL CEIL	60 SF
B-88	"	B38	" "	" "	" "	

Sample #	Collection Date	HA	Material	Material Color/Description	Location	Quantity
B-89	6/29/18	B39	BLOWN INSULATION	TAN, Fibrous	BSMT MAINT. office Ceiling	300 SF
B-90	"	B39	" "	" "	" "	
B-91	7/2/18	B17	TSI Duct Insulation	GRAY, Powdery, fibrous	BSMT Storage Room across from Room	
B-92	7/2/18	B17	" "	" "	Basement MAINT. Storage Area	
B-93	"	B14	Fire proofing	GRAY, Fibrous, Spray-on	VEOLA N.W. Middle Ceiling	
B-94	"	B14	" "	" "	" N.E. Middle "	
B-95	"	B40	Duct Tape & SEALER	gray	VEOLA N.W. Shared Area	25 SF
B-96	"	B40	" "	"	" "	
B-97	"	B41	Door Insulation	brown, Cellulose	Double doors to VEOLA from MAINT. office	
B-98	"	B41	" "	" "	" "	
B-99	"	B42	Comb base Mastic	4" gray Comb base TAN Mastic	Basement ELEVATOR Lobby	
B-100	"	B42	" "	" "	VEOLA office BSMT	
B-101	"	B43	TSI INSULATION	gray, Fibrous, Powder	OLD COND BOILER - EXTERIOR Insulation	720 SF
B-102	"	B43	" "	" "	" "	
B-103	"	B43	" "	" "	" "	
				KRL		

Project No:		18.867.100		Client:		Green City Demolition		Date:	
Inspector:		Kari Brown and Fred Wolnitzek		Building:		4th and Walnut Center		6/21/18,	
Sample ID	Hom. Area	Homogeneous Area Description	Sample Location	Friable / Non-friable	Homogeneous Area Locations	Quantity (LF/SF/CF)			
1	D								
2	D								
3	D								
4	D								
5	D								
6	D								
7	D								
8	D								
9	D								
10	D								
11	D								
12	D								
13	D								
14	D								
15	D								
16	D								
17	D								
18	D								
19	D								
20	D								
21	D								
22	D								

AL8-10141



A18-1094

118-6941

Allie Peregoy

From: Fred Wolnitzek <fred@gowestech.com>
Sent: Tuesday, July 10, 2018 9:30 AM
To: Allie Peregoy
Subject: RE: Project changes

EXTERNAL EMAIL*

Those are the correct changes, thank you.

Fred Wolnitzek



Address: 8090 Furlong Drive, Cleves, Ohio 45002
Office: 513.353.0700 Ext. 11 **Fax:** 513.353.1701 **Mobile:** 859.814.1607
Email: fred@gowestech.com
Website: www.gowestech.com

From: AlliePeregoy@eurofinsUS.com <AlliePeregoy@eurofinsUS.com>
Sent: Tuesday, July 10, 2018 9:21 AM
To: Fred Wolnitzek <fred@gowestech.com>
Subject: Project changes

Good Morning Fred,

Thank you for taking my call. Per our conversation, we are going to omit samples 394, 395, and 396 and they will then become 387, 388, and 389. We are going to begin processing your samples now and have the results back to you by the end of the day on Friday. Please confirm that this is how you would like to proceed.

If you need anything else, please don't hesitate to ask.

Thank you!

Allie Peregoy
Client Account Manager

Eurofins CEI
730 SE Maynard Road
Cary, NC 27511

Office: 919-481-1413
Cell: 919-608-7001

allie@ceilabs.com
www.eurofinsus.com/cei



APPENDIX C: INSPECTORS' LICENSES AND CERTIFICATIONS

State of Ohio
Environmental Protection Agency
Asbestos Program

Asbestos Hazard Evaluation Specialist



Frederick W. Wolnitzek

718 Carol Drive
Taylor Mill, OH 45115
Ohio Environmental Protection Agency

Certification Number

ES35981

Expiration Date

01/19/2019

DOB: 02/27/1983

This certification is issued pursuant to Revised Code
Chapter 3710 and Administrative Code Chapter 3745-22.

This card is not valid if altered.

Your certification card is valid for a period of one (1)
year, as indicated by the expiration date on the card.
Your card must be present on any project site
where you are conducting asbestos-related work.
All questions regarding your certification should be
directed to (614) 644-0226.

If found please return to: Ohio EPA, DAPC
P.O. Box 1049
Columbus, OH 43216





John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

April 25, 2018

Kenneth R Lee
1281 Elmdale Dr
Kettering OH 45409

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES35910
Expiration Date: 06/09/2019

Dear Kenneth R Lee:

This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Environmental Protection Agency for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.


If you have any questions, please call 614-644-0226.

Sincerely,

Mark Needham
Manager, Asbestos Program
Division of Air Pollution Control

State of Ohio
Environmental Protection Agency
Asbestos Program

Asbestos Hazard Evaluation Specialist



Kenneth R Lee
1281 Elmdale Dr
Kettering OH 45409

ohio
Ohio Environmental Protection Agency

Certification Number
ES35910

Expiration Date
06/09/2019

This certification is issued pursuant to Revised Code Chapter 3710 and Administrative Code Chapter 3745-22. This card is not valid if a

State of Ohio
Department of Health
Asbestos Program

Asbestos Hazard Evaluation Specialist



Kari S Merrill
WESTECH
8090 Furlong Dr.
Cleveland OH 44122

DOB: 12/26/1993

Certification Number Expiration Date
ES36235 **11/28/2018**

This certification is issued pursuant to Chapter 3710 of the
Revised Code and 3701-34 of the Ohio Administrative Code

Certification Card is
not valid if altered