Hazardous Materials Survey Report

Asbestos, Lead Based Paint, and Mold

Jones Hall - Building 6902, Keesler Air Force Base
Biloxi, Mississippi 39534

January 17, 2023 | Terracon Project No. E4227010

Prepared for:
Stantec GS
Charlottesville, VA

859 Pear Orchard Road
Ridgeland, MS 39157
P (601) 956-4467
www.terracon.com/jackson

Terracon

Nationwide
Terracon.com

- Environmental
- Facilities
- Geotechnical
- Materials

859 S. Pear Orchard Rd
Ridgeland, MS 39157
P (601) 956-4467
F (601) 956-9533
Terracon.com

January 17, 2023

Stantec GS
4296 Old Ivy Road, Suite 300
Charlottesville VA 22903

Attn: Mr. Wilfred Cassidy, P.E.

P: (303) 945-8119
C: (808) 308-0010
E: wilfred.cassidy@cardno-gs.com

RE: Hazardous Materials Survey
Jones Hall – Building 6902
Keesler Air Force Base
Biloxi, Mississippi
Terracon Project No: E4227010

Dear Mr. Cassidy:

The purpose of this report is to present the results of the hazardous materials survey performed at Jones Hall, Building 6902, located at Keesler Air Force Base in Biloxi, Mississippi. The scope of Terracon's survey included an asbestos inspection, limited lead paint screening, and limited microbial assessment. All work was conducted in accordance with Terracon proposal number PE4227010 dated April 27, 2022. Terracon understands that this survey was requested due to the planned renovation of the subject structure.

Asbestos-containing materials, lead-containing paint, and suspect microbial growth were identified during this survey. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service. If you have any questions regarding this report, please contact the undersigned at (601) 956-4467.

Sincerely,
Terracon Consultants, Inc.

RACHELE P TAYLOR
LICENSED PROFESSIONAL
ENGINEER
25823
STATE OF MISSISSIPPI

Rachele P. Taylor, P.E.
Senior Environmental Engineer

Jeff Delise
Authorized Project Reviewer

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Project Objectives 1
1.2 Site Limitations and Inaccessible Areas 2
1.3 Reliance 2
2.0 BUILDING DESCRIPTION 2
3.0 ASBESTOS INSPECTION 2
3.1 Field Activities 2
3.2 Regulatory Overview 3
3.3 Findings 4
4.0 LIMITED LEAD PAINT Screening 6
4.1 Field Activities 6
4.2 Regulatory Overview 6
4.3 Findings 7
4.4 Recommendations 7
5.0 LIMITED MICROBIAL ASSESSMENT 8
5.1 Field Activities 8
5.2 Regulatory Overview 9
5.3 Findings 10
5.4 Recommendations 11
6.0 GENERAL COMMENTS 11

APPENDIX A – Asbestos Survey Sample Summary

APPENDIX B – Laboratory Analytical Reports

APPENDIX C – Photograph Log

APPENDIX D – Exhibits

APPENDIX E – Certifications

HAZARDOUS MATERIALS SURVEY REPORT
Jones Hall-Building 6902
Keesler Air Force Base
Biloxi, Mississippi
Terracon Project No. E4227010
January 17, 2023

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) was retained by Cardno Inc. to conduct a hazardous material survey (Survey) at the above referenced location on December 1-2, 2022. The scope of the Survey included an asbestos inspection, a limited lead paint screening, and a limited microbial assessment. All work was conducted in accordance with Terracon proposal number PE4227010 dated April 27, 2022.

1.1 Project Objectives

The objective of this Survey is to identify the presence, quantity, and location of asbestos-containing materials (ACM) and lead in coatings on building components or substrates that may be subject to impact during renovation. Additionally, Terracon was to provide a limited microbial assessment of areas of concern at the subject building.

1.1.1 Asbestos Inspection

The scope of services included an inspection for ACM as required by the United States Environmental Protection Agency (USEPA) regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), and the State of Mississippi Regulation 11 Mississippi Administrative Code Part 2, Chapter 1, Rule 1.8, which both prohibit the release of asbestos fibers to the atmosphere during renovation activities. The asbestos NESHAP and Regulation 11 require that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or renovation activities.

1.1.2 Lead Paint Screening

The limited lead paint screening utilized paint chip bulk sampling techniques to identify lead concentrations in various painted surfaces which may be impacted by renovation activities. Lead is regulated by the USEPA and the United States Occupational Safety and Health Administration (OSHA). As such, lead safe work practices will be required if lead paints are identified. USEPA regulations would also apply for disposal of lead-containing renovation waste. All occupational exposure to lead occurring in the course of construction work, including renovation activities, painting, alteration and repairs is subject to the OSHA lead standard (29 CFR 1926.62).

1.1.3 Limited Microbial Assessment

The scope of services included a limited assessment for suspect fungal growth in accessible areas at the subject building. Terracon conducted a walk-through of the areas of concern to visually assess building components for evidence of moisture intrusion, moisture damage, and microbial growth. Surface swab samples were collected in accordance with standard industrial hygiene practices. This limited assessment did not include surface moisture measurement, assessment using an infrared camera, fungal spore air

sampling, temperature, relative humidity, carbon dioxide, or carbon monoxide measurement. Destructive sampling or disassembly of mechanical enclosures was not within the scope of work for the project.

1.2 Site Limitations and Inaccessible Areas

At the time of the hazardous materials survey, Terracon could not access all of the interior ductwork areas. Additionally, the structure was still occupied by base staff and students. Some areas of the building were not accessible at the time of this hazardous materials survey. If materials exist in these areas that were not sampled in the assessable areas, those materials should be sampled prior to the renovation.

1.3 Reliance

This report is for the exclusive use of Cardno and Stantec GS for the project being discussed. Reliance by any other party on this report is prohibited without written authorization of Terracon, Cardno and Stantec GS. Reliance on this report by Cardno and Stantec GS and all authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report and Terracon's Master Services Agreement. The limitations of liability defined in Terracon's MSA are the aggregate limit of Terracon's liability to Cardno and Stantec GS.

2.0 BUILDING DESCRIPTION

The subject structure consists of an approximately 105,715 square-foot, two-story building reportedly built in 1962, with a concrete façade and a modified bitumen roof system. The interior finishes generally consisted of suspended grid ceiling systems, concrete and gypsum walls, carpet, and various floor tile finishes.

3.0 ASBESTOS INSPECTION

3.1 Field Activities

The asbestos inspection was conducted by Mr. Brad McKnight and Ms. Rachele Taylor, Mississippi Department of Environmental Quality (MDEQ) accredited asbestos inspectors. Copies of the inspectors' accreditation certificates are included in Appendix E. The survey was performed in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

3.1.1 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the building proposed for renovation to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, and texture with consideration given to the date of application. The interior assessment was conducted throughout visually accessible areas of the building. Building materials identified as glass, wood, metal, or rubber were not considered suspect ACM.

Terracon lifted floor coverings and inspected above the ceiling in several areas of the structures and to observe areas of additional suspect materials; however, as Terracon could not assess all void spaces within walls and ceilings or beneath all floor coverings, there may be isolated areas of additional suspect material may be present in the structure.

3.1.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material that can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.1.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with the sampling protocols outlined in 40 CFR Part 763, Subpart E (AHERA). Random samples of suspect materials were collected in each homogeneous area. The inspector collected bulk samples using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

The selection of sample locations and frequency of sampling were based on Terracon's observations and the assumption that like materials in the same area are homogeneous in content.

Terracon collected a total of 114 bulk samples from 38 homogeneous areas of suspect ACM from the structure. A summary of suspected ACM materials collected during the survey is included as Appendix A. Selected photographs are presented in Appendix C.

3.1.4 Sample Analysis

Bulk samples were submitted under chain of custody to QuanTEM Laboratories (QuanTEM) of Oklahoma City, Oklahoma, for analysis by Polarized Light Microscopy (PLM) with dispersion staining techniques per EPA methodology (EPA/600/R-93/1/640). The percentage of asbestos, where applicable, was determined by microscopic visual estimation. QuanTEM is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 101959-0). The laboratory analytical report is included in Appendix B.

3.2 Regulatory Overview

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. The asbestos NESHAP regulation also requires the identification and classification of existing ACM according to friability prior to renovation activity. Under NESHAP, ACM is identified as either friable, Category I non-friable or Category II non-friable ACM. Friable ACM is a material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. All friable ACM is considered regulated asbestos containing material (RACM).

RACM includes all friable ACM, along with Category I and Category II non-friable ACM that has become friable, will be or has been subjected to sanding, grinding, cutting or abrading, or ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder in the course of renovation activity.

Category I non-friable ACM are exclusively asbestos-containing packings, gaskets, resilient floor coverings, resilient floor covering mastics and asphalt roofing products that contain more than 1% asbestos. Category II non-friable ACM are all other non-friable materials other than Category I non-friable ACM that contain more than 1% asbestos. Category II non-friable ACM generally includes but is not limited to cementitious material such as: cement pipes, cement siding, cement panels, glazing, mortar and grouts.

In non-state, non-school buildings, the State of Mississippi sets forth standards for asbestos under 11 Mississippi Administrative Code Part 2., Chapter 1, Rule 1.8. Per Part 2, Chapter 10, Rule 10.1 to 11 standards, the following activities, when conducted, must be performed by accredited individuals: asbestos surveys, asbestos abatement, and monitoring for airborne asbestos.

The United States OSHA asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos must not exceed 0.1 fibers per cubic centimeter of air (0.1 f/cc) as an eight-hour time weighted average (TWA) and not exceed 1.0 fibers per cubic centimeter of air (1.0 f/cc) over a 30-minute time period known as an excursion limit (EL). The TWA and EL are known as USOSHA's asbestos permissible exposure limits (PELs). The OSHA standard classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. The standard also specifies requirements for handling materials containing asbestos in concentrations less than or equal to 1%.

Any individual or company contracted to perform a demolition or renovation activity that disturbs RACM in excess of the established thresholds must be recognized by the Mississippi Licensing Board for Contractors to perform asbestos abatement.

3.3 Findings

3.3.1 Friable Materials

Laboratory analysis confirmed the following asbestos-containing friable materials:

- HA-11, HA-14: White pipe insulation, mechanical rooms

3.3.2 Category I Non-Friable Materials

Laboratory analysis confirmed the following asbestos-containing Category I non-friable materials:

- HA-29: Black (bottom layer) floor tile with black mastic, select rooms on the 2nd floor

Where laboratory analysis identified a flooring as non-ACM, but its associated mastic was ACM, both were considered Category I nonfriable, as separating the two materials in an abatement setting is impractical.

According to MDEQ, USEPA, and NESHAP regulations, asbestos-containing resilient floor coverings that are removed by using dry ice, heat, wet methods, and chemicals where the tiles are removed intact (with only minor tears or minor breakage) are not considered regulated asbestos-containing materials (RACM). Additionally, asbestos-containing mastic used to attach resilient flooring to the floor surface that are removed by chemical or other means that results in the asbestos fibers in Asbestos-Containing Waste Material (ACWM) being bound within a macro substrate and cannot reasonably become airborne unless

further forces are applied are also not considered RACM. However, asbestos-containing resilient flooring and associated mastic that is scraped, sanded, abraded, bead blasted, cut, ground, crumbled, pulverized, or reduced to a powder by any means, including hand and mechanical equipment is considered a RACM.

If removal activities will create RACM above established regulatory thresholds, then A "State of Mississippi Notification of Demolition/Renovation Form" is required to be submitted to the MDEQ 10 days prior to commencing demolition activities or any renovation activity, including asbestos abatement, affecting at least 160 square feet, 260 linear feet, or 35 cubic feet of regulated asbestos containing material. The form should be completed and signed by authorized site personnel and submitted to the MDEQ 10 days prior to the implementation of proposed renovation or demolition activities at the site.

3.3.3 Special Conditions

Additional composite analysis by PLM was conducted on the below mentioned materials identified to contain 2-3% asbestos that confirmed the presence of asbestos in concentrations of <1% in the following materials:

- HA-13, HA-16, HA-18: White wallboard system, mechanical rooms
- HA-21: White wallboard system, 1st floor restrooms
- HA-31: White wallboard system, select rooms on the 2nd floor

The drywall joint compound found in the building is considered RACM as an individual layer. However, the composite analysis of the entire drywall system (drywall and joint compound) contained less than 1% asbestos. The USEPA has determined that drywall systems (joint compound, tape, and gypsum wallboard) that contain 1% or less asbestos through composite point count analysis, are not considered RACM and are not subject to NESHAP or State of Mississippi regulations.

However, OSHA does not permit composite sample analysis and compliance with all applicable OSHA regulations regarding occupational exposure during renovation or demolition activities is mandatory (removal of drywall systems that contain asbestos are a Class II operation and the employer needs to comply with the appropriate sections of the standard). OSHA 29 CFR 1926.1101 requires that workers performing construction-related activities be protected from asbestos fibers in excess of the permissible exposure limit of 0.1 f/cc of air. Contractors must comply with applicable provisions of OSHA 29 CFR 1926.1101 during renovation activities.

3.3.4 Recommendations

The results of this survey indicated the presence of RACM and Category I Non-friable ACM.

Therefore, Terracon recommends these materials should be removed and disposed of by a Mississippi-licensed asbestos abatement contractor prior to disturbance. A "State of Mississippi Notification of Demolition/Renovation Form" is required to be submitted to the MDEQ 10 days prior to commencing demolition activities or any renovation activity, including asbestos abatement, affecting at least 160 square feet, 260 linear feet, or 35 cubic feet of regulated asbestos containing material. The form should be completed and signed by authorized site personnel and submitted to the MDEQ 10 days prior to the implementation of proposed renovation or demolition activities at the site.

Terracon recommends preparing specifications for ACM removal. The specifications should include the scope of work, personal protective equipment, work procedures, air monitoring, and documentation. Terracon should be retained to perform 3rd party air monitoring for the duration of asbestos removal activities.

It should be noted that suspect materials, other than those identified during this survey may exist within the building. If additional but un-sampled suspect ACMs are revealed during renovation activities, the material(s) must be assumed to contain asbestos and treated as such unless sampled by an accredited inspector and laboratory analysis determines otherwise.

A summary of each material sampled and analyzed is presented in Appendix A. Laboratory analytical reports are presented in Appendix B. Room ID designations, and sample locations are presented in Appendix D.

4.0 LIMITED LEAD PAINT SCREENING

4.1 Field Activities

The limited lead paint screening included an evaluation of painted building components to be affected by the proposed renovation activities utilizing lead paint chip sampling techniques. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker. Terracon collected 26 paint chip samples.

4.1.1 Sample Analysis

Paint bulk chips were collected from various surfaces/components and were submitted under chain of custody to QuanTEM for lead analysis by USEPA 7000B Flame Atomic Absorption Spectrophotometry. QuanTEM is accredited by the AIHA® Laboratory Accreditation Programs, LLC (#101352) under the Environmental Lead Laboratory Accreditation Program. The laboratory's accreditation is included within Appendix E.

4.2 Regulatory Overview

OSHA 29 CFR 1926.62 Subpart D, Lead, applies to all renovation/demolition where an employee may be occupationally exposed to lead. The employer shall communicate information concerning lead hazards and communicating information concerning hazards and appropriate protective measures to employees, including training. Where lead is present, it should be assumed that workers will be exposed to lead above the action level and personal protective measures (based on the type of disturbance) should be implemented until an exposure assessment is completed.

Under 16 CFR Part 1303, paint and similar surface-coating materials for consumer use that contain lead or lead compounds and in which the lead content is in excess of 0.009 percent of the weight of the total nonvolatile content of the paint or the weight of the dried paint film (which paint and similar surface-coating materials are referred to hereafter as "lead-containing paint") are banned hazardous products under sections 8 and 9 of the Consumer Product Safety Act (CPSA), 15 U.S.C. 2057, 2058. In addition to those products which are sold directly to consumers, the ban applies to products which are used or enjoyed by consumers after sale, such as paints used in residences, schools, hospitals, parks,

playgrounds, and public buildings or other areas where consumers will have direct access to the painted surface.

4.3 Findings

Analytical results of the collected paint chips are available below:

Summary of Paint Chip Samples

Sample ID	Location	Component	Substrate	Color	Lead Content (percent by weight)
L-01	**Exterior**	**Wall**	**Concrete**	**White**	**0.011**
L-02	Exterior	Wall	Concrete	White	<0.0050
L-03	**Exterior**	**Wall**	**Concrete**	**Gray**	**0.021**
L-04	**Exterior**	**Wall**	**Concrete**	**Gray**	**0.041**
L-05	**Interior**	**Wall**	**Concrete**	**Blue**	**0.011**
L-06	Interior	Wall	Concrete	Blue	<0.0050
L-07	**Interior**	**Door trim**	**Wood**	**Beige**	**0.031**
L-08	**Interior**	**Door trim**	**Wood**	**Beige**	**0.026**
L-09	**Interior**	**Wall**	**Gypsum**	**White**	**0.015**
L-10	**Interior**	**Wall**	**Gypsum**	**White**	**0.0067**
L-11	**Interior**	**Wall**	**Concrete**	**Cream**	**0.032**
L-12	**Interior**	**Wall**	**Concrete**	**Cream**	**0.035**
L-13	**Interior**	**Cove base**	**Wood**	**Black**	**0.068**
L-14	**Interior**	**Cove base**	**Wood**	**Black**	**0.026**
L-15	**Interior**	**Wall**	**Concrete**	**Green**	**0.014**
L-16	**Interior**	**Wall**	**Concrete**	**Green**	**0.045**
L-17	**Interior**	**Stairs**	**Concrete**	**Gray**	**0.011**
L-18	Interior	Stairs	Concrete	Gray	<0.0050
L-19	Interior	Door trim	Wood	Orange	<0.017
L-20	Interior	Door trim	Wood	Orange	<0.013
L-21	**Interior**	**Stairs**	**Wood**	**Gray**	**0.12**
L-22	**Interior**	**Stairs**	**Wood**	**Gray**	**0.043**
L-23	**Exterior**	**Handrail**	**Steel**	**Dark Gray**	**0.32**
L-24	**Exterior**	**Drain tubing**	**Steel**	**Dark Gray**	**0.18**
L-25	**Exterior**	**Floor**	**Concrete**	**Yellow**	**0.024**
L-26	**Exterior**	**Floor**	**Concrete**	**Yellow**	**0.036**

Based on the paint chip results of this screening. LCP was identified in the following samples: L-01, L-03 through L-05, L-07 through L-17, L-21 through L-26.

Analysis results of the collected paint chip samples are presented in Appendix B.

4.4 Recommendations

OSHA does not define lead-containing coatings. Any detectable level of lead presents a potential source of exposure depending on how the material is disturbed. Therefore, Terracon recommends that potential

contractors are made aware of the findings of this limited lead paint survey. Personnel and/or contractors should utilize work practices pursuant to the OSHA lead standard (29 CFR 1926.62) when impacting lead-containing components. The full OSHA lead standard should be referenced for compliance.

5.0 LIMITED MICROBIAL ASSESSMENT

5.1 Field Activities

Terracon performed a limited microbial assessment to identify suspect fungal growth in the structure. The level of effort and associated tasks completed for this assessment were limited to the scope of services outlined in our April 27, 2022 proposal and as provided within the parameters and defined limitations of Terracon's Agreement for Services which were a part of our proposal. Terracon did not attempt to identify every potential exposure or hazard present in the subject building. Destructive sampling or testing to inspect interior wall cavity spaces or mechanical enclosures was not within the scope of work for this project.

Molds are ubiquitous to the environment and have somewhat specific requirements for survival and growth. Elevated mold concentrations in indoor environments occur when both moisture and food source are present. Indoor food sources for mold growth can include organic materials such as those resulting from a flood or sewer back up, or building materials high in cellulose such as, but not limited to, carpet backing, drywall paper, or ceiling panels. Moisture sources in buildings can occur because of leaks from water or sewer lines, moisture intrusion through walls and foundations, or as condensation in heating, ventilating, and air conditioning (HVAC) systems. In some areas of the United States, relative humidity during certain times of the year is high enough to serve as a moisture source. To reduce the potential occurrence or recurrence of mold growth in indoor environments, sources of indoor moisture must be eliminated or controlled.

Surface swab samples were collected from surfaces exhibiting visible evidence of suspect fungal growth. Swab samples were submitted under chain of custody to QuanTEM for direct microscopic examination by methods MM003, MM004 and MM005. QuanTEM is accredited by the AIHA® Laboratory Accreditation Programs, LLC (#101352). The laboratory analytical report is included in Appendix B.

The primary purpose of a direct microscopic examination of a surface sample is to determine if mold is growing (or has grown) on the surface sampled, and if so, what kinds of molds are present. This type of analysis may identify a skewing of the normal distribution of spore types. It may also identify "marker" genera which may be indicative of indoor mold growth. Although culturing a surface sample may help resolve species identification issues, used alone, such culturing can result in an inaccurate characterization of the surface sampled, as the results show only the molds that are able to grow on the culture medium used. The presence of biological materials on a particular surface is not a direct indication of what may be in the air.

This limited assessment did not include:

- Surface moisture measurement;
- Assessment using an infrared camera;
- Fungal spore air sampling;
- Temperature, relative humidity, carbon dioxide, or carbon monoxide measurement
- Destructive sampling.

5.2 Regulatory Overview

There are no State or Federal limits established for fungal growth in, or contamination of building materials. There are currently no regulatory standards, medically based threshold limits, or dose-response relationships for exposure to airborne or surface concentrations of fungal spores. Terracon relies upon experience, professional judgment, current scientific literature, guidelines, and recommendations made by professional organizations and experts in interpreting fungal sampling results.

Terracon conducted this assessment in general accordance with our referenced proposal and guidelines established by the American Industrial Hygiene Association's (AIHA) Report on Microbial Growth Task Force, 2001 and Assessment, Remediation, and Post-Remediation Verification of Mold in Buildings (AIHA Guideline 3-2004) and the American Society for Testing and Materials (ASTM) Standard Guide for Assessment of Fungal Growth in Buildings, 2010 (ASTM D7338-10).

5.3 Findings

Results of the limited microbial assessment are summarized as follows:

Summary of Limited Microbial Assessment

Sample ID	Area Sampled	Location	Substrate	Results	Taxa
S-1	~ 1" x 1"	AHU #6 Rm 102 West Wall	Gypsum	Moderate	Hyphal Fragments
				Abundant	*Stachybotrys*
S-2	~ 1" x 1"	Custodian Closet Rm 166 West Wall	Gypsum	Few	Ascospores
				Few	*Cladosporium*
				Few	*Curvularia*
				Few	*Epicoccum*
				Moderate	Hyphal Fragments
				Few	*Nigrospora*
				Moderate	Pollen
S-3	~ 1" x 1"	AHU#5 Rm 165 South Wall	Gypsum	Few	*Cladosporium*
				Few	Hyphal Fragments
				Few	*Nigrospora*
				Moderate	Pollen
				Few	*Rusts*
S-4	~ 1" x 1"	AHU #3 Rm 203 Pipe Insulation	Insulation	Moderate	Hyphal Fragments
				Abundant	*Stachybotrys*
S-5	~ 1" x 1"	AHU#2 Rm 255 West Wall	Gypsum	Few	*Cladosporium*
				Few	Hyphal Fragments
				Few	*Periconia/Myxomy-cetes/Smuts*
				Few	Pollen

Sampling results indicated the following general findings:

- *Stachybotrys* mold spores were reported as abundant in two samples. Hyphal fragments were observed in both samples indicating mold growth. Other types of mold spores including *Cladosporium* were observed among the samples at low levels.
- *Stachybotrys* is commonly found indoors on water damaged cellulosic materials that have been wet for extended periods. These spores may also be found in outdoor air.
- *Cladosporium* is one of the predominantly spore types worldwide and can be found in elevated concentrations in indoor air related to water damaged building materials. Building related growth is dependent upon the fungal type, moisture levels and type of materials, in addition to other factors.

Additional fungal growth not described in the table above may exist in other rooms/areas of the building which were not observed during this limited assessment (including concealed spaces above or behind drywall construction walls/ceilings). Fungal growth may also exist on hidden or covered substrate in the building such as drywall construction behind vinyl wallpaper, cove base, ceramic tile, cabinetry, furnishing, equipment, etc.

The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during our December 2022 site assessment. Many factors such as weather conditions, building occupancy, ventilation patterns, and seasonal variations in mold levels can affect the conditions observed. The information contained in this report should not be relied upon to represent conditions that existed at a previous or later date. Terracon does not warrant the services of regulatory agencies, laboratories, or other third parties supplying information that may have been used in the preparation of this report. No warranty, express or implied is made.

5.4 Recommendations

Terracon recommends the following:

- The source of excess moisture should be identified and eliminated to prevent additional mold growth.
- Mold growth may continue to increase with time if the moisture-damaged areas are not properly removed from the building and disposed of.
- Sensitive individuals should be prohibited from entering the mold-affected areas until the source of the mold is remediated, and follow-up testing is performed, confirming that the space has acceptable spore counts.
- Environmental inspection and air sampling should be performed following the remediation to ensure the effectiveness of post-remediation air and surface cleaning.

6.0 GENERAL COMMENTS

These services were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by Cardno and Stantec GS for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A
ASBESTOS SURVEY SAMPLE SUMMARY

TABLE A
ASBESTOS SURVEY SAMPLE SUMMARY
JONES HALL
Keesler Air Force Base
Biloxi, Mississippi

HA	Material Description	Material Location	Condition	Friable?	Sample Number	Lab Results[1]	NESHAP Category[2]	Estimated Quantity of ACM[3]
01	Gray/tan carpet with adhesive	1st Floor	Good	No	01-01	ND	N/A	N/A
					01-02	ND		
					01-03	ND		
02	Brown/tan cove base with adhesive	1st Floor	Good	No	02-04	ND	N/A	N/A
					02-05	ND		
					02-06	ND		
03	White wallboard system	1st Floor	Good	No	03-07	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock - ND Tan/White Joint Compound/Sheetrock- <1%C	N/A	N/A
					03-08	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock - ND Tan/White Joint Compound/Sheetrock- <1%C		
					03-09	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock - ND Tan/White Joint Compound/Sheetrock- <1%C		
04	White 2'x2' worm hole ceiling tile	1st Floor	Good	Yes	04-10	ND	N/A	N/A
					04-11	ND		
					04-12	ND		
05	White 2'x2' pin hole ceiling tile	1st Floor	Good	Yes	05-13	ND	N/A	N/A
					05-14	ND		
					05-15	ND		
06	White 2'x2' smooth ceiling tile	1st Floor	Good	Yes	06-16	ND	N/A	N/A
					06-17	ND		
					06-18	ND		
07	White with brown streaks 12"x12" floor tile with mastic	1st Floor	Good	No	07-19	ND	N/A	N/A
					07-20	ND		
					07-21	ND		

[1] ND = None Detected'; NA-PS = Not Analyzed, Positive Stop; PT CT = 400 Point Count Analysis Performed; C = Chrysotile; AM = Amosite
[2] Cat I NF = Category I Non-friable ACM; Cat II NF = Category II Non-friable ACM; RACM = Regulated ACM
[3] SF = Square Feet; LF = Linear Feet; Quantities are approximate. Contractor must verify.
BOLDFACE = Homogeneous area is Confirmed ACM

TABLE A
ASBESTOS SURVEY SAMPLE SUMMARY
JONES HALL
Keesler Air Force Base
Biloxi, Mississippi

HA	Material Description	Material Location	Condition	Friable?	Sample Number	Lab Results[1]	NESHAP Category	Estimated Quantity of ACM
08	White restroom caulking	1ST Floor	Good	No	08-22	ND	N/A	N/A
					08-23	ND		
					08-24	ND		
09	Blue with specks 12"x12" floor tile with mastic	1st Floor	Good	No	09-25	ND	N/A	N/A
					09-26	ND		
					09-27	ND		
10	Gray tile grout	1st Floor	Good	No	10-28	ND	N/A	N/A
					10-29	ND		
					10-30	ND		
11	***White pipe insulation***	**Mechanical Room**	**Good**	**Yes**	**11-31**	White Wrap - ND **Tan Wrap – 5%C** **Tan Mastic – 5%C** **Black Tar – 10%C** Yellow Insulation - ND	RACM	1,000 LF (observed)
					11-32	White Wrap - ND **Tan Wrap – 5%C** **Tan Mastic – 5%C** **Black Tar – 10%C** Yellow Insulation - ND		
					11-33	White Wrap - ND **Tan Wrap – 5%C** **Tan Mastic – 5%C** **Black Tar – 10%C** Yellow Insulation - ND		
12	White/silver ductwork dots with insulation	Mechanical Room	Good	Yes	12-34	ND	N/A	N/A
					12-35	ND		
					12-36	ND		
13	White wallboard system	Mechanical Room	Good	No	13-37	**White Joint Compound – 3%C** White Wallboard – ND White Joint Compound/Wallboard - <1%C	N/A	N/A
					13-38	**White Joint Compound – 3%C** White Wallboard – ND White Joint Compound/Wallboard- <1%C		
					13-39	**White Joint Compound – 3%C** White Wallboard – ND White Joint Compound/Wallboard - <1%C		

TABLE A
ASBESTOS SURVEY SAMPLE SUMMARY
JONES HALL
Keesler Air Force Base
Biloxi, Mississippi

HA	Material Description	Material Location	Condition	Friable?	Sample Number	Lab Results[1]	NESHAP Category	Estimated Quantity of ACM
14	***White pipe insulation***	**Mechanical Room**	**Good**	**Yes**	14-40	ND	RACM	50 SF (observed)
					14-41	White Wrap - ND **White Wrap – 3%C** **White Insulation – 3%C, 5%AM**		
					14-42	White Wrap - ND **White Wrap – 3%C** Silver Wrap – ND Yellow Insulation - ND		
15	Pink ductwork insulation	Mechanical Room	Good	Yes	15-43	ND	N/A	N/A
					15-44	ND		
					15-45	ND		
16	White wallboard system	Mechanical Room	Good	No	16-46	ND	N/A	N/A
					16-47	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Wallboard - <1%C		
					16-48	White Joint Compound - ND **Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Wallboard - <1%C		
17	Silver ductwork insulation	Mechanical Room	Damaged	Yes	17-49	ND	N/A	N/A
					17-50	ND		
					17-51	ND		
18	White wallboard system	Mechanical Room	Good	No	18-52	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Wallboard - <1%C	N/A	N/A
					18-53	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Sheetrock - <1%C		
					18-54	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Sheetrock - <1%C		

TABLE A
ASBESTOS SURVEY SAMPLE SUMMARY
JONES HALL
Keesler Air Force Base
Biloxi, Mississippi

HA	Material Description	Material Location	Condition	Friable?	Sample Number	Lab Results[1]	NESHAP Category	Estimated Quantity of ACM
19	White pipe insulation	Mechanical Room	Good	Yes	19-55	ND	N/A	N/A
					19-56	ND		
					19-57	ND		
20	Silver ductwork insulation	Mechanical Room	Good	No	20-58	ND	N/A	N/A
					20-59	ND		
					20-60	ND		
21	White wallboard system	1st Floor Restroom	Good	No	21-61	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Sheetrock - <1%C	N/A	N/A
					21-62	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Sheetrock - <1%C		
					21-63	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Sheetrock - <1%C		
22	Brown/tan cove base and mastic	2nd Floor	Good	No	22-64	ND	N/A	N/A
					22-65	ND		
					22-66	ND		
23	Black/tan cove base and mastic	2nd Floor	Good	No	23-67	ND	N/A	N/A
					23-68	ND		
					23-69	ND		
24	Gray/tan cove base and mastic	2nd Floor	Good	No	24-70	ND	N/A	N/A
					24-71	ND		
					24-72	ND		
25	Yellow/tan carpet and adhesive	2nd Floor	Good	No	25-73	ND	N/A	N/A
					25-74	ND		
					25-75	ND		
26	Dark gray cove base and mastic	2nd Floor	Good	No	26-76	ND	N/A	N/A
					26-77	ND		
					26-78	ND		
27	White 2'x2' worm hole ceiling tile	2nd Floor	Good	Yes	27-79	ND	N/A	N/A
					27-80	ND		
					27-81	ND		

TABLE A
ASBESTOS SURVEY SAMPLE SUMMARY
JONES HALL
Keesler Air Force Base
Biloxi, Mississippi

HA	Material Description	Material Location	Condition	Friable?	Sample Number	Lab Results[1]	NESHAP Category	Estimated Quantity of ACM
28	Blue/tan carpet and adhesive	2nd Floor	Good	No	28-82	ND	N/A	N/A
					28-83	ND		
					28-84	ND		
29	***Black bottom layer floor tile and mastic***	**Select rooms on 2nd Floor**	**Good**	**No**	**29-85**	**Black Floor Tile – 5%C** **Black Mastic – 5%C**	Cat 1 NF	50 SF
					29-86	**Black Floor Tile – 5%C** **Black Mastic – 5%C**		
					29-87	**Black Floor Tile – 5%C** **Black Mastic – 5%C**		
30	White with brown specks 12”x12” floor tile and mastic	2nd Floor	Good	No	30-88	ND	N/A	N/A
					30-89	ND		
					30-90	ND		
31	White wallboard system	2nd Floor	Good	No	31-91	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Sheetrock - <1%C	N/A	N/A
					31-92	ND		
					31-93	**Tan Joint Compound – 3%C** Tan Tape – ND White Sheetrock – ND Tan/White Joint Compound/Sheetrock - <1%C		
32	Gray ductwork adhesive	2nd Floor	Good	No	32-94	ND	N/A	N/A
					32-95	ND		
					32-96	ND		
33	Black/brown roof core	Roof	Good	No	33-R01-01	ND	N/A	N/A
					33-R01-02	ND		
					33-R01-03	ND		
34	Black penetration tar	Roof	Good	No	34-R02-04	ND	N/A	N/A
					34-R02-05	ND		
					34-R02-06	ND		
35	Gray black penetration flashing tar	Roof	Good	No	35-R03-07	ND	N/A	N/A
					35-R03-08	ND		
					35-R03-09	ND		
36	Black perimeter tar	Roof	Good	No	36-R04-10	ND	N/A	N/A
					36-R04-11	ND		
					36-R04-12	ND		
37	White coping caulk	Roof	Good	No	37-R05-13	ND	N/A	N/A
					37-R05-14	ND		
					37-R05-15	ND		

TABLE A
ASBESTOS SURVEY SAMPLE SUMMARY
JONES HALL
Keesler Air Force Base
Biloxi, Mississippi

HA	Material Description	Material Location	Condition	Friable?	Sample Number	Lab Results[1]	NESHAP Category	Estimated Quantity of ACM
38	Gray patch material	Roof	Good	No	38-R06-16	ND	N/A	N/A
					38-R06-17	ND		
					38-R06-18	ND		

APPENDIX B
LABORATORY ANALYTICAL REPORTS

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	01-01	Layered	Gray Carpet	Asbestos Not Present	Synthetic	90	Binder
001a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
002	01-02	Layered	Gray Carpet	Asbestos Not Present	Synthetic	90	Binder
002a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
003	01-03	Layered	Gray Carpet	Asbestos Not Present	Synthetic	90	Binder
003a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
004	02-04	Layered	Brown Cove Base	Asbestos Not Present	NA		CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
005	02-05	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
005a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
006	02-06	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
006a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
007	03-07	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	
007b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
008	03-08	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
008a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	
008b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
009	03-09	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
009a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
009b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	15	Gypsum
010	04-10	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint
011	04-11	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint
012	04-12	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint
013	05-13	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber	90	Paint
014	05-14	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber	90	Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
015	05-15	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber	90	Paint
016	06-16	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	40 40	Perlite Paint
017	06-17	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	40 40	Perlite Paint
018	06-18	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	40 40	Perlite Paint
019	07-19	Layered	White Floor Tile	Asbestos Not Present	NA		CaCO3 Vinyl
019a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
020	07-20	Layered	White Floor Tile	Asbestos Not Present	NA		CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
021	07-21	Layered	White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
021a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
022	08-22	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
023	08-23	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder
024	08-24	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3 Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
025	09-25	Layered	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
025a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
025b		Layered	Brown Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
026	09-26	Layered	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
026a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
026b		Layered	Brown Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
027	09-27	Layered	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
027b		Layered	Brown Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
028	10-28	Homogeneous	Gray Grout	Asbestos Not Present	NA	CaCO3 Sand
029	10-29	Homogeneous	Gray Grout	Asbestos Not Present	NA	CaCO3 Sand
030	10-30	Homogeneous	Gray Grout	Asbestos Not Present	NA	CaCO3 Sand
031	11-31	Layered	White Wrap	Asbestos Not Present	Glass Fiber 80	Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
031a		Layered	Tan Wrap	Asbestos Present Chrysotile	5	Cellulose Wollastonite	40 5	Binder
031b		Layered	Tan Mastic	Asbestos Present Chrysotile	5	Wollastonite	5	Binder
031c		Layered	Black Tar	Asbestos Present Chrysotile	10	Glass Fiber	10	Tar
031d		Layered	Yellow Insulation	Asbestos Not Present		Glass Fiber	100	
032	11-32	Layered	White Wrap	Asbestos Not Present		Glass Fiber	80	Binder
032a		Layered	Tan Wrap	Asbestos Present Chrysotile	5	Cellulose Wollastonite	40 5	Binder
032b		Layered	Tan Mastic	Asbestos Present Chrysotile	5	Wollastonite	5	Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032c		Layered	Black Tar	Asbestos Present Chrysotile 10	Glass Fiber 10	Tar
032d		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
033	11-33	Layered	White Wrap	Asbestos Not Present	Glass Fiber 80	Binder
033a		Layered	Tan Wrap	Asbestos Present Chrysotile 5	Cellulose 40 Wollastonite 5	Binder
033b		Layered	Tan Mastic	Asbestos Present Chrysotile 5	Wollastonite 5	Binder
033c		Layered	Black Tar	Asbestos Present Chrysotile 10	Glass Fiber 10	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033d		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
034	12-34	Layered	Silver Wrap	Asbestos Not Present	NA	Foil
034a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
034b		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
035	12-35	Layered	Tan Wrap	Asbestos Not Present	Cellulose 60 Glass Fiber 10	Foil Paint
035a		Layered	Silver Wrap	Asbestos Not Present	NA	Foil
035b		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
035c		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber	100	
036	12-36	Layered	White/Silver Wrap	Asbestos Not Present	Cellulose	80	Paint
036a		Layered	Tan Wrap	Asbestos Not Present	Cellulose Glass Fiber	60 10	Foil Paint
036b		Layered	Silver Wrap	Asbestos Not Present	NA		Foil
036c		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
036d		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber	100	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	13-37	Layered	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
037a		Layered	White Wallboard	Asbestos Not Present	Cellulose 3	Gypsum
038	13-38	Layered	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
038a		Layered	White Wallboard	Asbestos Not Present	Cellulose 3	Gypsum
039	13-39	Layered	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
039a		Layered	White Wallboard	Asbestos Not Present	Cellulose 3	Gypsum
040	14-40	Layered	White Wrap	Asbestos Not Present	Glass Fiber 80	Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
040a		Layered	Tan Wrap	Asbestos Not Present	Cellulose Glass Fiber	60 10	Binder
040b		Layered	Black Tar	Asbestos Not Present	NA		Tar
040c		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber	100	
041	14-41	Layered	White Wrap	Asbestos Not Present	Glass Fiber	80	Binder
041a		Layered	White Wrap	Asbestos Present Chrysotile 3	Cellulose	80	Binder
041b		Layered	White Insulation	Asbestos Present Chrysotile 3 Amosite 5	Glass Fiber	10	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
042	14-42	Layered	White Wrap	Asbestos Not Present	Glass Fiber	80	Binder
042a		Layered	White Wrap	Asbestos Present Chrysotile 3	Cellulose	80	Binder
042b		Layered	Silver Wrap	Asbestos Not Present	Cellulose Glass Fiber	20 10	Foil
042c		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber	100	
043	15-43	Layered	Tan Wrap	Asbestos Not Present	Cellulose Glass Fiber	40 10	Foil
043a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber	100	
044	15-44	Layered	Tan Wrap	Asbestos Not Present	Cellulose Glass Fiber	40 10	Foil

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
045	15-45	Layered	Tan Wrap	Asbestos Not Present	Cellulose 40 Glass Fiber 10	Foil
045a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
046	16-46	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
046a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
047	16-47	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
047a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	
047b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
048	16-48	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
048a		Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
048b		Layered	Tan Tape	Asbestos Not Present	Glass Fiber 100	
048c		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
049	17-49	Layered	White Wrap	Asbestos Not Present	Cellulose 80	Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
049a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
050	17-50	Layered	White Wrap	Asbestos Not Present	Cellulose 80	Binder
050a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
051	17-51	Layered	White Wrap	Asbestos Not Present	Cellulose 80	Binder
051a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
052	18-52	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
052a		Layered	Tan Tape	Asbestos Not Present	Cellulose	100	
052b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
053	18-53	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA		CaCO3
053a		Layered	Tan Tape	Asbestos Not Present	Cellulose	100	
053b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
054	18-54	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA		CaCO3
054a		Layered	Tan Tape	Asbestos Not Present	Cellulose	100	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
054b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
055	19-55	Layered	White Wrap	Asbestos Not Present	Glass Fiber	80	Binder
055a		Layered	Black Insulation	Asbestos Not Present	NA		Foam
056	19-56	Layered	White Wrap	Asbestos Not Present	Glass Fiber	80	Binder
056a		Layered	White Wrap	Asbestos Not Present	Cellulose	60	Foil Binder
056b		Layered	Black Insulation	Asbestos Not Present	NA		Foam Glass

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
057	19-57	Layered	White Wrap	Asbestos Not Present	Glass Fiber	80	Binder
057a		Layered	Black Insulation	Asbestos Not Present	NA		Foam
058	20-58	Layered	Silver Wrap	Asbestos Not Present	Cellulose Glass Fiber	20 10	Foil
058a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber	100	
059	20-59	Layered	Silver Wrap	Asbestos Not Present	Cellulose Glass Fiber	20 10	Foil
059a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber	100	
060	20-16	Layered	Silver Wrap	Asbestos Not Present	Cellulose Glass Fiber	20 10	Foil

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
060a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber 100	
061	21-61	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
061a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	
061b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
062	21-62	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
062a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
062b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
063	21-63	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
063a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	
063b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
064	22-64	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
064a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
065	22-65	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
065a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
066	22-66	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
066a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
067	23-67	Layered	Black Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
067a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
068	23-68	Layered	Black Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
068a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
069	23-69	Layered	Black Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
069a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
070	24-70	Layered	Gray Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
070a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
071	24-71	Layered	Gray Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
071a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
072	24-72	Layered	Gray Cove Base	Asbestos Not Present	NA		CaCO3 Vinyl
072a		Layered	Tan Mastic	Asbestos Not Present	NA		Glue CaCO3
073	25-73	Layered	Brown Carpet	Asbestos Not Present	Synthetic	90	Binder
073a		Layered	Yellow Mastic	Asbestos Not Present	NA		Glue
074	25-74	Homogeneous	Yellow Mastic	Asbestos Not Present	NA		Glue
075	25-75	Homogeneous	Tan Mastic	Asbestos Not Present	NA		Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
076	26-76	Layered	Gray Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
076a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
077	26-77	Layered	Gray Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
077a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
078	26-78	Layered	Gray Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
078a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue CaCO3
079	27-79	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 50 Glass Fiber 30	Perlite Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
080	27-80	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint
081	27-81	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint
082	28-82	Layered	Blue Carpet	Asbestos Not Present	Synthetic	90	Binder
082a		Layered	Tan Mastic	Asbestos Not Present	NA		Glue
083	28-83	Layered	Blue Carpet	Asbestos Not Present	Synthetic	90	Binder
083a		Layered	Tan Mastic	Asbestos Not Present	NA		Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
084	28-84	Layered	Blue Carpet	Asbestos Not Present	Synthetic 90	Binder
084a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
085	29-85	Layered	Black Floor Tile	Asbestos Present Chrysotile 5	NA	CaCO3 Vinyl
085a		Layered	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
086	29-86	Layered	Black Floor Tile	Asbestos Present Chrysotile 5	NA	CaCO3 Vinyl
086a		Layered	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
087	29-87	Layered	Black Floor Tile	Asbestos Present Chrysotile 5	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
087a		Layered	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar
088	30-88	Layered	White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
088a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
089	30-89	Layered	White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
089a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
090	30-90	Layered	White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
090a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
091	31-91	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3
091a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	
091b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
092	31-92	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3
092a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Gypsum Sand
093	31-93	Layered	Tan Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
093a		Layered	Tan Tape	Asbestos Not Present	Cellulose 100	
093b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
094	32-94	Homogeneous	Gray Adhesive	Asbestos Not Present	NA	CaCO3 Binder
095	32-95	Homogeneous	Gray Adhesive	Asbestos Not Present	NA	CaCO3 Binder
096	32-96	Homogeneous	Gray Adhesive	Asbestos Not Present	NA	CaCO3 Binder
097	33-R01-01	Layered	Silver Paint	Asbestos Not Present	NA	Paint Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
097a		Layered	Black Roofing	Asbestos Not Present	Glass Fiber	30	Tar
097b		Layered	Gray Paper	Asbestos Not Present	Cellulose Glass Fiber	80 20	
097c		Layered	Yellow Insulation	Asbestos Not Present	NA		Foam
097d		Layered	Tan Insulation	Asbestos Not Present	Cellulose	80	Perlite
098	33-R01-02	Layered	Black Roofing	Asbestos Not Present	Glass Fiber	30	Tar
098a		Layered	Gray Paper	Asbestos Not Present	Cellulose Glass Fiber	80 20	
098b		Layered	Yellow Insulation	Asbestos Not Present	NA		Foam

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
098c		Layered	Tan Insulation	Asbestos Not Present	Cellulose	80	Perlite
099	33-R01-03	Layered	Silver Paint	Asbestos Not Present	NA		Paint Tar
099a		Layered	Black Roofing	Asbestos Not Present	Glass Fiber	30	Tar
099b		Layered	Black Tar	Asbestos Not Present	NA		Tar
099c		Layered	Black Tar Paper	Asbestos Not Present	Cellulose	60	Tar
100	34-R02--04	Homogeneous	Black Penetration Tar	Asbestos Not Present	NA		Tar CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
101	34-R02-05	Homogeneous	Black Penetration Tar	Asbestos Not Present	NA	Tar CaCO3
102	34-R02-06	Homogeneous	Black Penetration Tar	Asbestos Not Present	NA	Tar CaCO3
103	35-R03-07	Homogeneous	Gray/Black Penetration Flashing Tar	Asbestos Not Present	NA	Tar Paint
104	35-R03-08	Homogeneous	Gray/Black Penetration Flashing Tar	Asbestos Not Present	NA	Tar Paint
105	35-R03-09	Homogeneous	Gray/Black Penetration Flashing Tar	Asbestos Not Present	NA	Tar Paint
106	36-R03-10	Homogeneous	Black Perimiter Tar	Asbestos Not Present	NA	Tar
107	36-R04-11	Homogeneous	Black Perimiter Tar	Asbestos Not Present	NA	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
108	36-R04-12	Homogeneous	Black Perimiter Tar	Asbestos Not Present	NA	Tar
109	37-R05-13	Homogeneous	White Coping Caulk	Asbestos Not Present	NA	CaCO3 Binder
110	37-R05-14	Homogeneous	White Coping Caulk	Asbestos Not Present	NA	CaCO3 Binder
111	37-R05-15	Homogeneous	White Coping Caulk	Asbestos Not Present	NA	CaCO3 Binder
112	38-R06-16	Homogeneous	Gray Patch Material	Asbestos Not Present	NA	CaCO3 Binder
113	38-R06-17	Homogeneous	Gray Patch Material	Asbestos Not Present	NA	CaCO3 Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 353244
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 12/06/2022
Received By: Dee Ammerman
Date Analyzed: 12/13/2022
Analyzed By: Dee Ammerman
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
114	38-R06-18	Homogeneous	Gray Patch Material	Asbestos Not Present	NA	CaCO3 Binder

Dee Ammerman, Laboratory Manager

12/13/2022
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

ASBESTOS CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	353244
	Accept Reject

Contact Information			
Company:	Terracon/Ridgeland	Phone:	(769) 233-2033
Contact:	Brad McKnight	Cell Phone:	(601) 497-5795
Account #:	CO-85	E-mail:	brad.mcknight@terracon.com
SAMPLED BY: Name:	Brad McKnight	Date:	12-2-2022

Project Information	
Project Name:	Kessler Jones Hall HAZMAT Survey
Project Location:	Biloxi, MS
Project ID:	E4227010
P.O. Number:	E4227010

Report Results (☑ one box)	
☐	QuanTEM Website
☑	Email brad.mcknight@terracon.com
☐	Other _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
[signature]	12-5-22 1200	FEDEX	[signature]	12/6/2022
				9:00 AM

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

PLM	
☑	Bulk Analysis (EPA 600/R-93/116)
☐	400 Point Count
☐	1000 Point Count
☐	Gravimetric Preparation
☐	Particle ID

PLM	
☐	Vermiculite Attic Insulation (EPA 600/R-04/004)
☐	Other

PCM	
☐	NIOSH 7400

TEM	
☐	Air- AHERA
☐	Air- NIOSH 7402
☐	Air- ISO 10312
☐	Drinking Water- EPA 100.2
☐	Waste Water- EPA 600/4-83-043

TEM	
☐	Bulk- Presence / Absence EPA600/R-93/116
☐	Bulk- Quantitative [weight%]- Chatfield
☐	Dust- Presence / Absence
☐	Dust- Quantitative [fibers/sq.cm]- ASTM D5755
☐	Other

TURNAROUND TIME	
☐	Rush
☐	Same Day
☐	24 - Hour
☐	3 - Day
☑	5 - Day

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	01-01	☑	Gray/Tan	Carpet w/Adhesive		
2	01-02	☑	Gray/Tan	Carpet w/Adhesive		
3	01-03	☑	Gray/Tan	Carpet w/Adhesive		
4	02-04	☑	Brown/Tan	Cove Base/Adhesive		
5	02-05	☑	Brown/Tan	Cove Base/Adhesive		
6	02-06	☑	Brown/Tan	Cove Base/Adhesive		
7	03-07	☑	White	Gypsum/Joint Compound/Tape		
8	03-08	☑	White	Gypsum/Joint Compound/Tape		
9	03-09	☑	White	Gypsum/Joint Compound/Tape		
10	04-10	☑	White	2' x 2' Worm Hole Ceiling Tile		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information		
Company: Terracon/Ridgeland	Project Name: Kessler Jones Hall HAZMAT Survey	Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	04-11	☑	White	2' x 2' Worm Hole Ceiling Tile		
12	04-12	☑	White	2' x 2' Worm Hole Ceiling Tile		
13	05-13	☑	White	2' x 2' Pin Hole Ceiling Tile		
14	05-14	☑	White	2' x 2' Pin Hole Ceiling Tile		
15	05-15	☑	White	2' x 2' Pin Hole Ceiling Tile		
16	06-16	☑	White	2' x 2' Smooth Ceiling Tile		
17	06-17	☑	White	2' x 2' Smooth Ceiling Tile		
18	06-18	☑	White	2' x 2' Smooth Ceiling Tile		
19	07-19	☑	White w/Brown Streaks	12" x 12" Floor Tile/Mastic		
20	07-20	☑	White w/Brown Streaks	12" x 12" Floor Tile/Mastic		
21	07-21	☑	White w/Brown Streaks	12" x 12" Floor Tile/Mastic		
22	08-22	☑	White	Restrooms Caulking		
23	08-23	☑	White	Restrooms Caulking		
24	08-24	☑	White	Restrooms Caulking		
25	09-25	☑	Blue w/Specks	12" x 12" Floor Tile/Mastic		
26	09-26	☑	Blue w/Specks	12" x 12" Floor Tile/Mastic		
27	09-27	☑	Blue w/Specks	12" x 12" Floor Tile/Mastic		
28	10-28	☑	Gray	Tile Grout		
29	10-29	☑	Gray	Tile Grout		
30	10-30	☑	Gray	Tile Grout		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information		
Company: Terracon/Ridgeland	Project Name: Kessler Jones Hall HAZMAT Survey	Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	11-31	☑	White	Pipe Insulation		
32	11-32	☑	White	Pipe Insulation		
33	11-33	☑	White	Pipe Insulation		
34	12-34	☑	White/Silver	Ductwork Dots w/Insulation		
35	12-35	☑	White/Silver	Ductwork Dots w/Insulation		
36	12-36	☑	White/Silver	Ductwork Dots w/Insulation		
37	13-37	☑	White	Gypsum Wallboard/Joint Compound		
38	13-38	☑	White	Gypsum Wallboard/Joint Compound		
39	13-39	☑	White	Gypsum Wallboard/Joint Compound		
40	14-40	☑	White	Pipe Insulation		
41	14-41	☑	White	Pipe Insulation		
42	14-42	☑	White	Pipe Insulation		
43	15-43	☑	Pink	Ductwork Insulation		
44	15-44	☑	Pink	Ductwork Insulation		
45	15-45	☑	Pink	Ductwork Insulation		
46	16-46	☑	White	Wallboard/Joint Compound		
47	16-47	☑	White	Wallboard/Joint Compound		
48	16-48	☑	White	Wallboard/Joint Compound		
49	17-49	☑	Silver	Ductwork Insulation		
50	17-50	☑	Silver	Ductwork Insulation		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

ASBESTOS CHAIN OF CUSTODY

QUANTEM LABORATORIES
www.QuanTEM.com

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page _____ of _____

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information		
Company: Terracon/Ridgeland	Project Name: KesslerJones Hall HAZMAT Survey	Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	17-51	☑	Silver	Ductwork Insulation		
52	18-52	☑	White	Wallboard/Joint Compound		
53	18-53	☑	White	Wallboard/Joint Compound		
54	18-54	☑	White	Wallboard/Joint Compound		
55	19-55	☑	White	Pipe Insulation		
56	19-56	☑	White	Pipe Insulation		
57	19-57	☑	White	Pipe Insulation		
58	20-58	☑	Silver	Ductwork Insulation		
59	20-59	☑	Silver	Ductwork Insulation		
60	20-60	☑	Silver	Ductwork Insulation		
61	21-61	☑	White	Wallboard/Joint Compound		
62	21-62	☑	White	Wallboard/Joint Compound		
63	21-63	☑	White	Wallboard/Joint Compound		
64	22-64	☑	Brown/Tan	Cove Base/Mastic		
65	22-65	☑	Brown/Tan	Cove Base/Mastic		
66	22-66	☑	Brown/Tan	Cove Base/Mastic		
67	23-67	☑	Black/Tan	Cove Base/Mastic		
68	23-68	☑	Black/Tan	Cove Base/Mastic		
69	23-69	☑	Black/Tan	Cove Base/Mastic		
70	24-70	☑	Gray/Tan	Cove Base/Mastic		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

ASBESTOS CHAIN OF CUSTODY

QUANTEM LABORATORIES
www.QuanTEM.com

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information		
Company: Terracon/Ridgeland	Project Name: Kessler Jones Hall HAZMAAT Survey	Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
71	24-71	☑	Gray/Tan	Cove Base/Mastic		
2	24-72	☑	Gray/Tan	Cove Base/Mastic		
3	25-73	☑	Yellow/Tan	Carpet w/Adhesive		
4	25-74	☑	Yellow/Tan	Carpet w/Adhesive		
5	25-75	☑	Yellow/Tan	Carpet w/Adhesive		
6	26-76	☑	Dark Gray	Cove Base/Mastic		
7	26-77	☑	Dark Gray	Cove Base/Mastic		
8	26-78	☑	Dark Gray	Cove Base/Mastic		
9	27-79	☑	White	2' x 2' Worm Hole Ceiling Tile		
80	27-80	☑	White	2' x 2' Worm Hole Ceiling Tile		
1	27-81	☑	White	2' x 2' Worm Hole Ceiling Tile		
2	28-82	☑	Blue/Tan	Carpet w/Adhesive		
3	28-83	☑	Blue/Tan	Carpet w/Adhesive		
4	28-84	☑	Blue/Tan	Carpet w/Adhesive		
5	29-85	☑	Black/Black	Bottom Layer Floor Tile/Mastic		
6	29-86	☑	Black/Black	Bottom Layer Floor Tile/Mastic		
7	29-87	☑	Black/Black	Bottom Layer Floor Tile/Mastic		
8	30-88	☑	White w/Brown Specks	12" x 12" Floor Tile/Mastic		
9	30-89	☑	White w/Brown Specks	12" x 12" Floor Tile/Mastic		
90	30-90	☑	White w/Brown Specks	12" x 12" Floor Tile/Mastic		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

ASBESTOS CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information		
Company: Terracon/Ridgeland	Project Name: Kessler Jones Hall HAZMAT Survey	Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
91	31-91	☑	White	Gypsum/Joint Compound/Tape		
2	31-92	☑	White	Gypsum/Joint Compound/Tape		
3	31-93	☑	White	Gypsum/Joint Compound/Tape		
4	32-94	☑	Gray	Ductwork Adhesive		
5	32-95	☑	Gray	Ductwork Adhesive		
6	32-96	☑	Gray	Ductwork Adhesive		
7	33-R01-01	☑	Black/Brown	Roof Core		
8	33-R01-02	☑	Black/Brown	Roof Core		
9	33-R01-03	☑	Black/Brown	Roof Core		
100	34-R02-04	☑	Black	Penetration Tar		
1	34-R02-05	☑	Black	Penetration Tar		
2	34-R02-06	☑	Black	Penetration Tar		
3	35-R03-07	☑	Gray/Black	Penetration Flashing Tar		
4	35-R03-08	☑	Gray/Black	Penetration Flashing Tar		
5	35-R03-09	☑	Gray/Black	Penetration Flashing Tar		
6	36-R03-10	☑	Black	Perimeter Tar		
7	36-R04-11	☑	Black	Perimeter Tar		
8	36-R04-12	☑	Black	Perimeter Tar		
9	37-R05-13	☑	White	Coping Caulk		
110	37-R05-14	☑	White	Coping Caulk		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

ASBESTOS CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information

Company: Terracon/Ridgeland | Project Name: Kessler Jones Hall HAZMAT Survey | Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	37-R05-15	☑	White	Coping Caulk		
2	38-R06-16	☑	Gray	Gray Patch Material		
3	38-R06-17	☑	Gray	Gray Patch Material		
4	38-R06-18	☑	Gray	Gray Patch Material		
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
0		☐				
1		☐				
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
0		☐				

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 354303
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 01/11/2023
Received By: Baylie Longstreth
Date Analyzed: 01/13/2023
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS - REVISED
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
001	03-07	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	15	CaCO3 Gypsum
002	03-08	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	15	CaCO3 Gypsum
003	03-09	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	15	CaCO3 Gypsum
004	13-37	Composite	White Joint Compound/Wallboard	Asbestos Present Chrysotile	<1	Cellulose	3	CaCO3 Gypsum
005	13-38	Composite	White Joint Compound/Wallboard	Asbestos Present Chrysotile	<1	Cellulose	3	CaCO3 Gypsum
006	13-39	Composite	White Joint Compound/Wallboard	Asbestos Present Chrysotile	<1	Cellulose	3	CaCO3 Gypsum

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 354303
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 01/11/2023
Received By: Baylie Longstreth
Date Analyzed: 01/13/2023
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS - REVISED
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007	16-46	Composite	White Joint Compound / Wallboard	Asbestos Not Present	Cellulose 5	CaCO3 Gypsum
008	16-47	Composite	Tan/White Joint Compound/Wallboard	Asbestos Present Chrysotile <1	NA	CaCO3 Gypsum
009	16-48	Composite	Tan/White Joint Compound / Wallboard	Asbestos Present Chrysotile <1	Cellulose 10	CaCO3 Gypsum
010	18-52	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile <1	Cellulose 10	CaCO3 Gypsum
011	18-53	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile <1	Cellulose 10	CaCO3 Gypsum

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 354303
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 01/11/2023
Received By: Baylie Longstreth
Date Analyzed: 01/13/2023
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS - REVISED
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
012	18-54	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	10	CaCO3 Gypsum
013	21-61	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	10	CaCO3 Gypsum
014	21-62	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	10	CaCO3 Gypsum
015	21-63	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	10	CaCO3 Gypsum
016	31-91	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	10	CaCO3 Gypsum
017	31-92	**	** **	**		Not Analyzed		

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 354303
Account Number: C085

Client: Terracon - Ridgeland
Brad McKnight

Date Received: 01/11/2023
Received By: Baylie Longstreth
Date Analyzed: 01/13/2023
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Project: Kessler Jones Hall HAZMAT Survey
Project Location: Biloxi, MS - REVISED
Project Number: E4227010

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
Unable to composite because sample is skim coat and plaster								
018	31-93	Composite	Tan/White Joint Compound / Sheetrock	Asbestos Present Chrysotile	<1	Cellulose	10	CaCO3 Gypsum

REVISED

Benjamin Hill

Benjamin Hill, Assistant Laboratory Manager

1/16/2023
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.
This report may not be reproduced except in full, without the written approval of the laboratory.

ASBESTOS CHAIN OF CUSTODY

QUANTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353244
Accept Reject

Contact Information			Project Information		Report Results (☑ one box)	
Company: Terracon/Ridgeland	Phone: (769) 233-2033		Project Name: Kessler Jones Hall HAZMAT Survey		☐	QuanTEM Website
Contact: Brad McKnight	Cell Phone: (601) 497-5795		Project Location: Biloxi, MS		☑	Email brad.mcknight@terracon.com
Account #: CO-85	E-mail: brad.mcknight@terracon.com		Project ID: E4227010		☐	Other
SAMPLED BY: Name: Brad McKnight	Date: 12-2-2022		P.O. Number: E4227010			

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
	12-5-22 1200	FEDEX		12/6/2022
				9:00 AM

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
☑	Bulk Analysis (EPA 600/R-93/116)	☐	Vermiculite Attic Insulation (EPA 600/R-04/004)	☐	Air- AHERA	☐	Bulk- Presence / Absence EPA600/R-93/116	☐	Rush
☐	400 Point Count	☐	Other	☐	Air- NIOSH 7402	☐	Bulk- Quantitative [weight%]- Chatfield	☐	Same Day
☐	1000 Point Count	PCM		☐	Air- ISO 10312	☐	Dust- Presence / Absence	☐	24 - Hour
☐	Gravimetric Preparation	☐	NIOSH 7400	☐	Drinking Water- EPA 100.2	☐	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	☐	3 - Day
☐	Particle ID			☐	Waste Water- EPA 600/4-83-043	☐	Other	☑	5 - Day

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	01-01	☑	Gray/Tan	Carpet w/Adhesive		
2	01-02	☑	Gray/Tan	Carpet w/Adhesive		
3	01-03	☑	Gray/Tan	Carpet w/Adhesive		
4	02-04	☑	Brown/Tan	Cove Base/Adhesive		
5	02-05	☑	Brown/Tan	Cove Base/Adhesive		
6	02-06	☑	Brown/Tan	Cove Base/Adhesive		
7	03-07	☑	White	Gypsum/Joint Compound/Tape		
8	03-08	☑	White	Gypsum/Joint Compound/Tape		
9	03-09	☑	White	Gypsum/Joint Compound/Tape		
10	04-10	☑	White	2' x 2' Worm Hole Ceiling Tile		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are **NOT** available for Saturday Delivery

QuanTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information

Company: Terracon/Ridgeland | Project Name: Kessler Jones Hall HAZMAT Survey | Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	04-11	☑	White	2' x 2' Worm Hole Ceiling Tile		
12	04-12	☑	White	2' x 2' Worm Hole Ceiling Tile		
13	05-13	☑	White	2' x 2' Pin Hole Ceiling Tile		
14	05-14	☑	White	2' x 2' Pin Hole Ceiling Tile		
15	05-15	☑	White	2' x 2' Pin Hole Ceiling Tile		
16	06-16	☑	White	2' x 2' Smooth Ceiling Tile		
17	06-17	☑	White	2' x 2' Smooth Ceiling Tile		
18	06-18	☑	White	2' x 2' Smooth Ceiling Tile		
19	07-19	☑	White w/Brown Streaks	12" x 12" Floor Tile/Mastic		
20	07-20	☑	White w/Brown Streaks	12" x 12" Floor Tile/Mastic		
21	07-21	☑	White w/Brown Streaks	12" x 12" Floor Tile/Mastic		
22	08-22	☑	White	Restrooms Caulking		
23	08-23	☑	White	Restrooms Caulking		
24	08-24	☑	White	Restrooms Caulking		
25	09-25	☑	Blue w/Specks	12" x 12" Floor Tile/Mastic		
26	09-26	☑	Blue w/Specks	12" x 12" Floor Tile/Mastic		
27	09-27	☑	Blue w/Specks	12" x 12" Floor Tile/Mastic		
28	10-28	☑	Gray	Tile Grout		
29	10-29	☑	Gray	Tile Grout		
30	10-30	☑	Gray	Tile Grout		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

QuanTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information
Company: Terracon/Ridgeland | Project Name: Kessler Jones Hall HAZMAT Survey | Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	11-31	☑	White	Pipe Insulation		
32	11-32	☑	White	Pipe Insulation		
33	11-33	☑	White	Pipe Insulation		
34	12-34	☑	White/Silver	Ductwork Dots w/Insulation		
35	12-35	☑	White/Silver	Ductwork Dots w/Insulation		
36	12-36	☑	White/Silver	Ductwork Dots w/Insulation		
37	13-37	☑	White	Gypsum Wallboard/Joint Compound		
38	13-38	☑	White	Gypsum Wallboard/Joint Compound		
39	13-39	☑	White	Gypsum Wallboard/Joint Compound		
40	14-40	☑	White	Pipe Insulation		
41	14-41	☑	White	Pipe Insulation		
42	14-42	☑	White	Pipe Insulation		
43	15-43	☑	Pink	Ductwork Insulation		
44	15-44	☑	Pink	Ductwork Insulation		
45	15-45	☑	Pink	Ductwork Insulation		
46	16-46	☑	White	Wallboard/Joint Compound		
47	16-47	☑	White	Wallboard/Joint Compound		
48	16-48	☑	White	Wallboard/Joint Compound		
49	17-49	☑	Silver	Ductwork Insulation		
50	17-50	☑	Silver	Ductwork Insulation		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are **NOT** available for Saturday Delivery

ASBESTOS CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page ____ of ____

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information

Company: Terracon/Ridgeland | Project Name: KesslerJones Hall HAZMAT Survey | Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	17-51	☑	Silver	Ductwork Insulation		
52	18-52	☑	White	Wallboard/Joint Compound		
53	18-53	☑	White	Wallboard/Joint Compound		
54	18-54	☑	White	Wallboard/Joint Compound		
55	19-55	☑	White	Pipe Insulation		
56	19-56	☑	White	Pipe Insulation		
57	19-57	☑	White	Pipe Insulation		
58	20-58	☑	Silver	Ductwork Insulation		
59	20-59	☑	Silver	Ductwork Insulation		
60	20-60	☑	Silver	Ductwork Insulation		
61	21-61	☑	White	Wallboard/Joint Compound		
62	21-62	☑	White	Wallboard/Joint Compound		
63	21-63	☑	White	Wallboard/Joint Compound		
64	22-64	☑	Brown/Tan	Cove Base/Mastic		
65	22-65	☑	Brown/Tan	Cove Base/Mastic		
66	22-66	☑	Brown/Tan	Cove Base/Mastic		
67	23-67	☑	Black/Tan	Cove Base/Mastic		
68	23-68	☑	Black/Tan	Cove Base/Mastic		
69	23-69	☑	Black/Tan	Cove Base/Mastic		
70	24-70	☑	Gray/Tan	Cove Base/Mastic		

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are **NOT** available for Saturday Delivery

QUANTEM LABORATORIES
www.QuanTEM.com

ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page ____ of ____

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information

Company: Terracon/Ridgeland | Project Name: Kessler Jones Hall HAZMAAT Survey | Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
71	24-71	☑	Gray/Tan	Cove Base/Mastic		
2	24-72	☑	Gray/Tan	Cove Base/Mastic		
3	25-73	☑	Yellow/Tan	Carpet w/Adhesive		
4	25-74	☑	Yellow/Tan	Carpet w/Adhesive		
5	25-75	☑	Yellow/Tan	Carpet w/Adhesive		
6	26-76	☑	Dark Gray	Cove Base/Mastic		
7	26-77	☑	Dark Gray	Cove Base/Mastic		
8	26-78	☑	Dark Gray	Cove Base/Mastic		
9	27-79	☑	White	2' x 2' Worm Hole Ceiling Tile		
80	27-80	☑	White	2' x 2' Worm Hole Ceiling Tile		
1	27-81	☑	White	2' x 2' Worm Hole Ceiling Tile		
2	28-82	☑	Blue/Tan	Carpet w/Adhesive		
3	28-83	☑	Blue/Tan	Carpet w/Adhesive		
4	28-84	☑	Blue/Tan	Carpet w/Adhesive		
5	29-85	☑	Black/Black	Bottom Layer Floor Tile/Mastic		
6	29-86	☑	Black/Black	Bottom Layer Floor Tile/Mastic		
7	29-87	☑	Black/Black	Bottom Layer Floor Tile/Mastic		
8	30-88	☑	White w/Brown Specks	12" x 12" Floor Tile/Mastic		
9	30-89	☑	White w/Brown Specks	12" x 12" Floor Tile/Mastic		
90	30-90	☑	White w/Brown Specks	12" x 12" Floor Tile/Mastic		

SATURDAY **FEDEX** SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are **NOT** available for Saturday Delivery

ASBESTOS CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page ____ of ____

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information

Company: Terracon/Ridgeland | Project Name: Kessler Jones Hall HAZMAT Survey | Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
91	31-91	☑	White	Gypsum/Joint Compound/Tape		
2	31-92	☑	White	Gypsum/Joint Compound/Tape		
3	31-93	☑	White	Gypsum/Joint Compound/Tape		
4	32-94	☑	Gray	Ductwork Adhesive		
5	32-95	☑	Gray	Ductwork Adhesive		
6	32-96	☑	Gray	Ductwork Adhesive		
7	33-R01-01	☑	Black/Brown	Roof Core		
8	33-R01-02	☑	Black/Brown	Roof Core		
9	33-R01-03	☑	Black/Brown	Roof Core		
100	34-R02-04	☑	Black	Penetration Tar		
1	34-R02-05	☑	Black	Penetration Tar		
2	34-R02-06	☑	Black	Penetration Tar		
3	35-R03-07	☑	Gray/Black	Penetration Flashing Tar		
4	35-R03-08	☑	Gray/Black	Penetration Flashing Tar		
5	35-R03-09	☑	Gray/Black	Penetration Flashing Tar		
6	36-R03-10	☑	Black	Perimeter Tar		
7	36-R04-11	☑	Black	Perimeter Tar		
8	36-R04-12	☑	Black	Perimeter Tar		
9	37-R05-13	☑	White	Coping Caulk		
110	37-R05-14	☑	White	Coping Caulk		

SATURDAY **FEDEX** SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are **NOT** available for Saturday Delivery

ASBESTOS CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Page ____ of ____

For Lab Use Only
Lab No. 353244
Accept Reject

Project Information

Company: Terracon/Ridgeland | Project Name: Kessler Jones Hall HAZMAT Survey | Project Location: Biloxi, MS

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	37-R05-15	☑	White	Coping Caulk		
2	38-R06-16	☑	Gray	Gray Patch Material		
3	38-R06-17	☑	Gray	Gray Patch Material		
4	38-R06-18	☑	Gray	Gray Patch Material		
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
0		☐				
1		☐				
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
0		☐				

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are **NOT** available for Saturday Delivery

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 353257
Date Received: 12/06/22
Received By: Courtney Holman
Date Sampled:
Time Sampled:
Analyst: CR
Date of Report: 12/12/22

AIHA LAP, LLC: 101352

Client: Terracon - Ridgeland
Brad McKnight

Acct. No.: C085

Project: Kessler HAZMAT Survey
Location: Biloxi, MS
Project No.: E4227010

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	L-01	Paint	Lead	0.011	0.005	%	12/09/22 12:10	P EPA 7000B (1)
002	L-02	Paint	Lead	<0.0050	0.005	%	12/09/22 12:10	P EPA 7000B (1)
003	L-03	Paint	Lead	0.021	0.005	%	12/09/22 12:10	P EPA 7000B (1)
004	L-04	Paint	Lead	0.041	0.005	%	12/09/22 12:10	P EPA 7000B (1)
005	L-05	Paint	Lead	0.011	0.005	%	12/09/22 12:10	P EPA 7000B (1)
006	L-06	Paint	Lead	<0.0050	0.005	%	12/09/22 12:10	P EPA 7000B (1)
007	L-07	Paint	Lead	0.031	0.017	%	12/09/22 12:10	P EPA 7000B (1)
008	L-08	Paint	Lead	0.026	0.0071	%	12/09/22 12:10	P EPA 7000B (1)
009	L-09	Paint	Lead	0.015	0.005	%	12/09/22 12:10	P EPA 7000B (1)
010	L-10	Paint	Lead	0.0067	0.005	%	12/09/22 12:10	P EPA 7000B (1)
011	L-11	Paint	Lead	0.032	0.017	%	12/09/22 12:10	P EPA 7000B (1)
012	L-12	Paint	Lead	0.035	0.005	%	12/09/22 12:10	P EPA 7000B (1)
013	L-13	Paint	Lead	0.068	0.025	%	12/09/22 12:10	P EPA 7000B (1)
014	L-14	Paint	Lead	0.026	0.0071	%	12/09/22 12:10	P EPA 7000B (1)
015	L-15	Paint	Lead	0.014	0.0071	%	12/09/22 12:10	P EPA 7000B (1)
016	L-16	Paint	Lead	0.045	0.005	%	12/09/22 12:10	P EPA 7000B (1)
017	L-17	Paint	Lead	0.011	0.005	%	12/09/22 12:10	P EPA 7000B (1)

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by QuanTEM Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

QUANTEM LABORATORIES
2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

Environmental Chemistry Analysis Report

QuanTEM Set ID: 353257
Date Received: 12/06/22
Received By: Courtney Holman
Date Sampled:
Time Sampled:
Analyst: CR
Date of Report: 12/12/22

AIHA LAP, LLC: 101352

Client: Terracon - Ridgeland
Brad McKnight

Acct. No.: C085

Project: Kessler HAZMAT Survey
Location: Biloxi, MS
Project No.: E4227010

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
018	L-18	Paint	Lead	<0.0050	0.005	%	12/09/22 12:10	P EPA 7000B (1)
019	L-19	Paint	Lead	<0.017	0.017	%	12/09/22 12:10	P EPA 7000B (1)
020	L-20	Paint	Lead	<0.013	0.013	%	12/09/22 12:10	P EPA 7000B (1)
021	L-21	Paint	Lead	0.12	0.0063	%	12/09/22 12:10	P EPA 7000B (1)
022	L-22	Paint	Lead	0.043	0.005	%	12/09/22 12:10	P EPA 7000B (1)
023	L-23	Paint	Lead	0.32	0.005	%	12/09/22 12:10	P EPA 7000B (1)
024	L-24	Paint	Lead	0.18	0.005	%	12/09/22 12:10	P EPA 7000B (1)
025	L-25	Paint	Lead	0.024	0.005	%	12/09/22 12:10	P EPA 7000B (1)
026	L-26	Paint	Lead	0.036	0.005	%	12/09/22 12:10	P EPA 7000B (1)

Authorized Signature: Cherry Rossen

Cherry Rossen, Technical Manager

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission. QuanTEM is not responsible for user-supplied data used in calculations. Customer provided data such as volumes, areas, etc., cannot be verified by QuanTEM Laboratories, LLC.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 20406 **Date:** 12/9/2022 **Lab Number:** 353257
Test: Lead **Matrix:** Paint **Approved By:** Cherry Rossen
Date Approved: 12/9/2022

Notes: The RPD between LCS-P2 sample duplicates exceeded the method or laboratory control limit.

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank 1	0
Matrix Blank 2	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	2.2	2.3	2.8
FCV	2.2	2.6	2.8
RLVS	0.05	0.1	0.15
ICV	0.9	1	1.1

Duplicate Data:

Sample Number	Result	Duplicate	% RPD
353263-013	411.400	376.290	8.9

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
LCS-P2	0.000	2.226	2.060	92.5	2.541	114.2	20.9
LCS-P2	0.000	2.226	2.563	115.1	2.687	120.7	4.8
353257-003	0.416	2.060	2.452	98.9			

Cherry Rossen

Authorized Signature: _____

Cherry Rossen, Technical Manager

LEAD CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only	
Lab No.	353257
	Accept / Reject

Contact Information			
Company:	Terracon/Ridgeland	Phone:	(769) 233-2072
Contact:	Brad McKnight	Cell Phone:	(601) 497-5795
Account #:	CO-85	E-mail:	brad.mcknight@terracon.com
SAMPLED BY: Name:	Brad McKnight	Date:	12/02/2022

Project Information	
Project Name:	Kessler HAZMAT Survey
Project Location:	Biloxi, MS
Project ID:	E4227010
P.O. Number:	E4227010

Report Results (☑ one box)	
○	QuanTEM Website
◉	Email brad.mcknight@terracon.com
○	Other _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
B. McKnight	12-5-22 1200	FEDEX	Tommy M. Hall	12/6/22 @ 9:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (◉ wt% ○ ppm ○ mg/cm²)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg /m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
1	L-01	White Exterior Paint	N/A	✔								
2	L-02	White Exterior Paint	N/A	✔								
3	L-03	Gray Exterior Paint	N/A	✔								
4	L-04	Gray Exterior Paint	N/A	✔								
5	L-05	Blue Corners Paint	N/A	✔								
6	L-06	Blue Corners Paint	N/A	✔								
7	L-07	Beige Trim Paint	N/A	✔								
8	L-08	Beige Trim Pain	N/A	✔								
9	L-09	Interior White Wall Paint	N/A	✔								
10	L-10	Interior White Wall Paint	N/A	✔								
11	L-11	Cream Wall Paint	N/A	✔								

TURNAROUND TIME	
○	Same Day
○	24 - Hour
○	3 - Day
◉	5 - Day

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

LEAD CHAIN OF CUSTODY

QuanTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353257
Accept Reject

Project Information		
Company: Terracon/Ridgeland	Project Name: Kessler HAZMAT Survey	Project Location: Biloxi, MS

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume or Area	Flame Atomic Absorption EPA 7000B: Paint Chips (wt% ◉ ppm ○ mg/cm² ○)	Bulk (mg/kg)	Soil (mg/kg)	NIOSH 7082: Wipes (ug/ft²)	Air (µg /m³)	Other Analysis: TCLP - Pb	TCLP - RCRA 8	RCRA 8	Other
12	L-12	Cream Wall Paint	N/A	✔								
13	L-13	Black Cove Base Paint	N/A	✔								
14	L-14	Black Cove Base Paint	N/A	✔								
15	L-15	Green Corners Paint	N/A	✔								
16	L-16	Green Corners Paint	N/A	✔								
17	L-17	Gray Stairwell Paint	N/A	✔								
18	L-18	Gray Stairwell Paint	N/A	✔								
19	L-19	Orange Wall Paint	N/A	✔								
20	L-20	Orange Wall Paint	N/A	✔								
21	L-21	Gray Trim Paint	N/A	✔								
22	L-22	Gray Trim Paint	N/A	✔								
23	L-23	Dark Exterior Gray Paint	N/A	✔								
24	L-24	Dark Exterior Gray Paint	N/A	✔								
25	L-25	Yellow Exterior Paint	N/A	✔								
26	L-26	Yellow Exterior Paint	N/A	✔								
27												

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Microbiology Analytical Report (Results)

QuanTEM Lab ID: 353262
Date Received: 12/06/2022
Received By: Courtney Holman
Analyzed By: Robin Brady Naik
Date Analyzed: 12/08/2022
Methodology: Swab, Qualitative NonCulturable, MM003, MM004, MM005
AIHA-LAP, LLC: 101352

Client: Terracon - Ridgeland
Brad McKnight
Account Number: C085
Project: Kessler-Jones Hall HAZMAT Survey
Location: Biloxi, MS
Project No: E4227010

QuanTEM Sample ID	353262-001	353262-002	353262-003	353262-004	353262-005	
Client Sample ID	S-1	S-2	S-3	S-4	S-5	
	Results	Results	Results	Results	Results	
Ascospores		Few				
Cladosporium		Few	Few		Few	
Curvularia		Few				
Epicoccum		Few				
Hyphal Fragments	Moderate	Moderate	Few	Moderate	Few	
Nigrospora		Few	Few			
Periconia/Myxomycetes/Smuts					Few	
Pollen		Moderate	Moderate		Few	
Rusts			Few			
Stachybotrys	Abundant			Abundant		
Comments						

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Microbiology Analytical Report (Signature Page)

QuanTEM Lab ID:	353262	**Client:**	Terracon - Ridgeland Brad McKnight
Date Received:	12/06/2022		
Received By:	Courtney Holman		
Analyzed By:	Robin Brady Naik		
Date Analyzed:	12/08/2022	**Account Number:**	C085
Methodology:	Swab, Qualitative NonCulturable, MM003, MM004, MM005	**Project:**	Kessler-Jones Hall HAZMAT Survey
		Location:	Biloxi, MS
AIHA-LAP, LLC:	101352	**Project No:**	E4227010

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Customer provided data such as volumes, areas, etc., cannot be verified by QuanTEM Laboratories, LLC.

Few=10 or fewer fungal structures detected over area analyzed; Abundant=fungal structures detected in 75% or more of the area analyzed or more than 500 fungal structures present; Moderate=fungal structure concentrations between few & abundant. The results taken from your home, building, etc. cannot be interpreted without physical inspection of the contaminated area or without considering the building's characteristics and the factors that led to the present condition. Interpretation of results is the responsibility of the company or individual who conducted the investigation.

This report shall not be reproduced except in full, without the written approval of the laboratory.
This report may not be used to claim endorsement by AIHA LAP, LLC. or any agency of the U.S. Government.

Approved:

Robin Brady Naik, Analyst

MICROBIOLOGY CHAIN OF CUSTODY

QUANTEM LABORATORIES
www.QuanTEM.com
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 353262
(Accept) Reject

Contact Information			
Company: Terracon/Ridgeland		Phone: 769-233-2072	
Contact: Brad McKnight		Cell Phone: 601-497-5795	
Account #: CO-85		E-mail: brad.mcknight@terracon. com	
SAMPLED BY:	Name: Brad McKnight	Date: 12/2/2022	

Project Information	
Project Name:	Kessler-Jones Hall HAZMAT Survey
Project Location:	Biloxi, MS
Project ID:	E4227010
P.O. Number:	E4227010

Report Results (☑ one box)	
☐	QuanTEM Website
☐	Email brad.mcknight@terracon. com
☐	Other _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
B. McKnight	12-5-22 1200	FEDEX	Timothy M. Hall	12/6/22 @ 9:00

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

Fungal Analysis (non-culture)	
☐	Spore Trap
☐	Spore Trap (Detailed)
☐	Tape Lift
☐	Tape/Lift (Quantitative)

Fungal Analysis (non-culture)	
☑	Bulk/Swab
☐	Bulk/Swab (Quantitative)
☐	Other (Specify in Comments)

Fungal Analysis (culture based)	
☐	Impaction Plate
☐	Sedimentation Plate
☐	Bulk/Swab - Genus ID
☐	Bulk/Swab - Genus ID & Enumer.
☐	Other (Specify in Comments)

Bacterial Analysis	
☐	Water Screen
☐	Sewage Screen
☐	Heterotrophic Plate Count
☐	Heterotrophic Plate count with ID
☐	Other (Specify in Comments)

TURNAROUND TIME	
☐	Rush
☐	Same Day
☐	24 - Hour
☐	3 - Day
☑	5 - Day
☐	14 - Day (Cultures)

No.	Sample ID (10 Characters Max)	Description	Volume / Area (as applicable)	Media / Comments / Notes
1	S-1	AHU #6 Room 102 West Wall	1" x 1"	
2	S-2	Custodian Closet Room 166 East Wall	1" x 1"	
3	S-3	AHU #5 Room 165 South Wall	1" x 1"	
4	S-4	AHU #3 Room 203 Pipe Insulation	1" x 1"	
5	S-5	AHU # 2 Room 255 West Wall	1" x 1"	
6				
7				
8				
9				
10				

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"
Please Note - UPS and USPS are NOT available for Saturday Delivery

APPENDIX C
PHOTOGRAPH LOG

Photo 1: (HA-01) Gray/Tan Carpet with Adhesive

Photo 2: (HA-02) Brown/Tan Cove Base with Adhesive

Photo 3: (HA-03) White Wallboard System

Photo 4: (HA-04) White 2'x2' Worm-Hole Ceiling Tile

Photo 5: (HA-05) White 2'x2' Pin-Hole Ceiling tile

Photo 6: (HA-06) White 2'x2' Smooth Ceiling Tile

Photo 7: (HA-07) White with Brown Streaks 12”x12” Floor Tile with Mastic

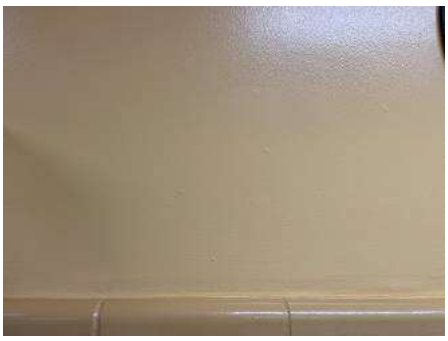


Photo 8: (HA-08) White Restroom Caulking

Photo 9: (HA-09) Blue with Specks 12”x12” Floor Tile with Mastic

Photo 10: (HA-10) Gray Tile Grout

Photo 11: (HA-11) White Pipe Insulation

Photo 12: (HA-12, HA-17) White/Silver Ductwork Sealant Dots with Insulation

Photo 13: (HA-13, HA-16, HA-18, HA-21) White Wallboard System

Photo 14: (HA-14, HA-19) White pipe insulation

Photo 15: (HA-15) Silver/Pink Ductwork Insulation

Photo 16: (HA-22) Brown/Tan Cove Base and Mastic

Photo 17: (HA-23) Black/Tan Cove Base and Mastic

Photo 18: (HA-24) Gray/Tan Cove Base and Mastic

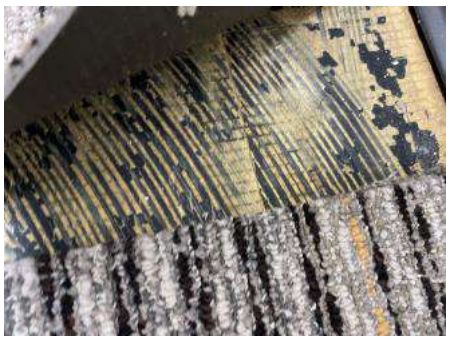


Photo 19: (HA-25) Yellow/Tan Carpet and Adhesive

Photo 20: (HA-26) Dark Gray Cove Base and Mastic

Photo 21: (HA-27) White 2'x2' Worm-Hole Ceiling Tile

Photo 22: (HA-28) Blue/Tan Carpet and Adhesive

Photo 23: (HA-29) Black Bottom Layer Floor Tile and Mastic

Photo 24: (HA-30) White with Brown Specks 12" x 12" Floor Tile and Mastic

Photo 25: (HA-31) White Wallboard System

Photo 26: (HA-32) Gray Ductwork Adhesive

Photo 27: (HA-33) Black/Brown Roof Core

Photo 28: (HA-34) Black Penetration Tar

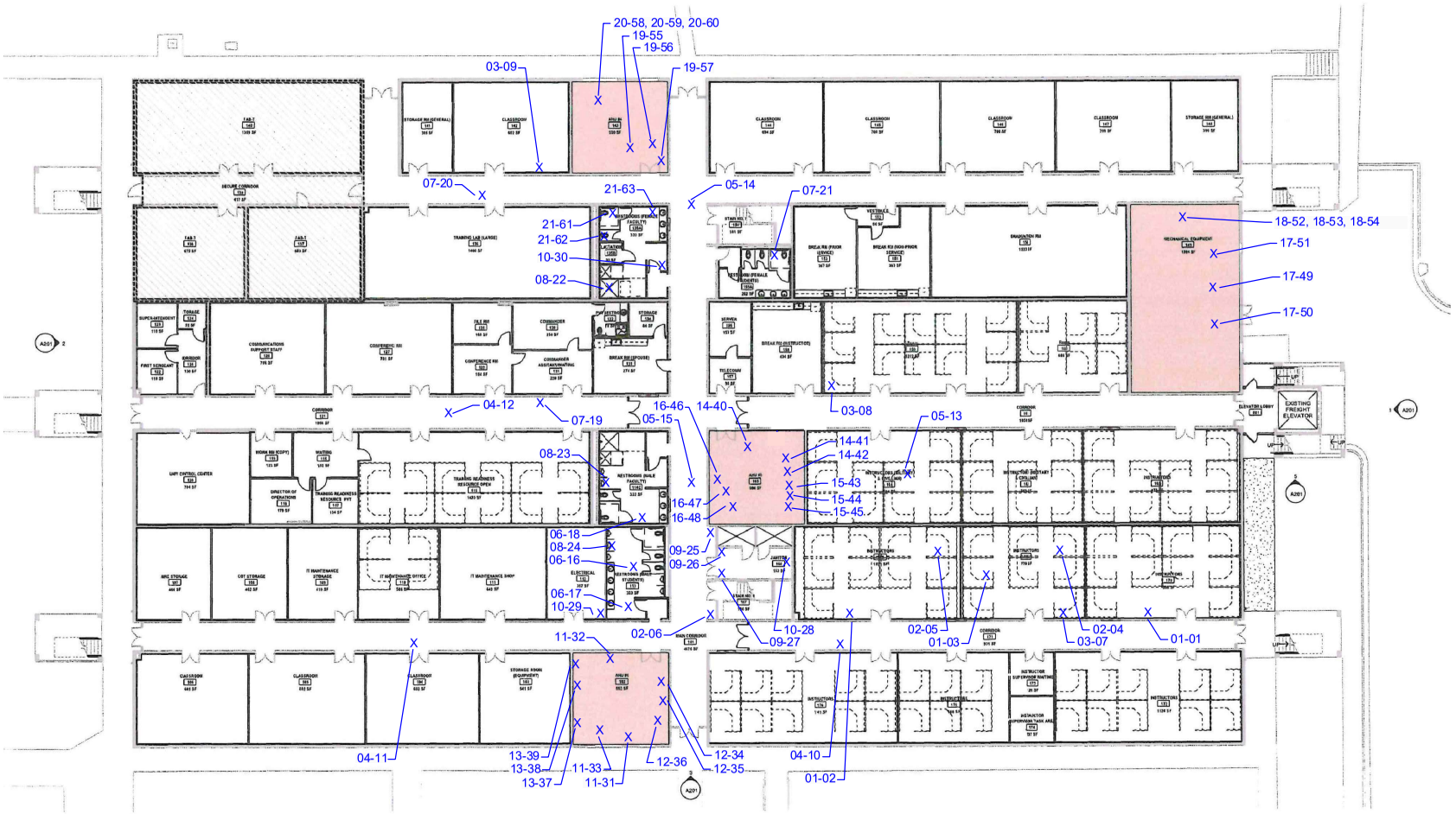
Photo 29: (HA-35) Gray/Black Flashing and Tar

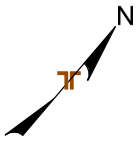
Photo 30: (HA-36) Perimeter Tar

Photo 31: (HA-37) White Coping Caulk

Photo 32: (HA-38) Gray patch material

APPENDIX D
EXHIBITS



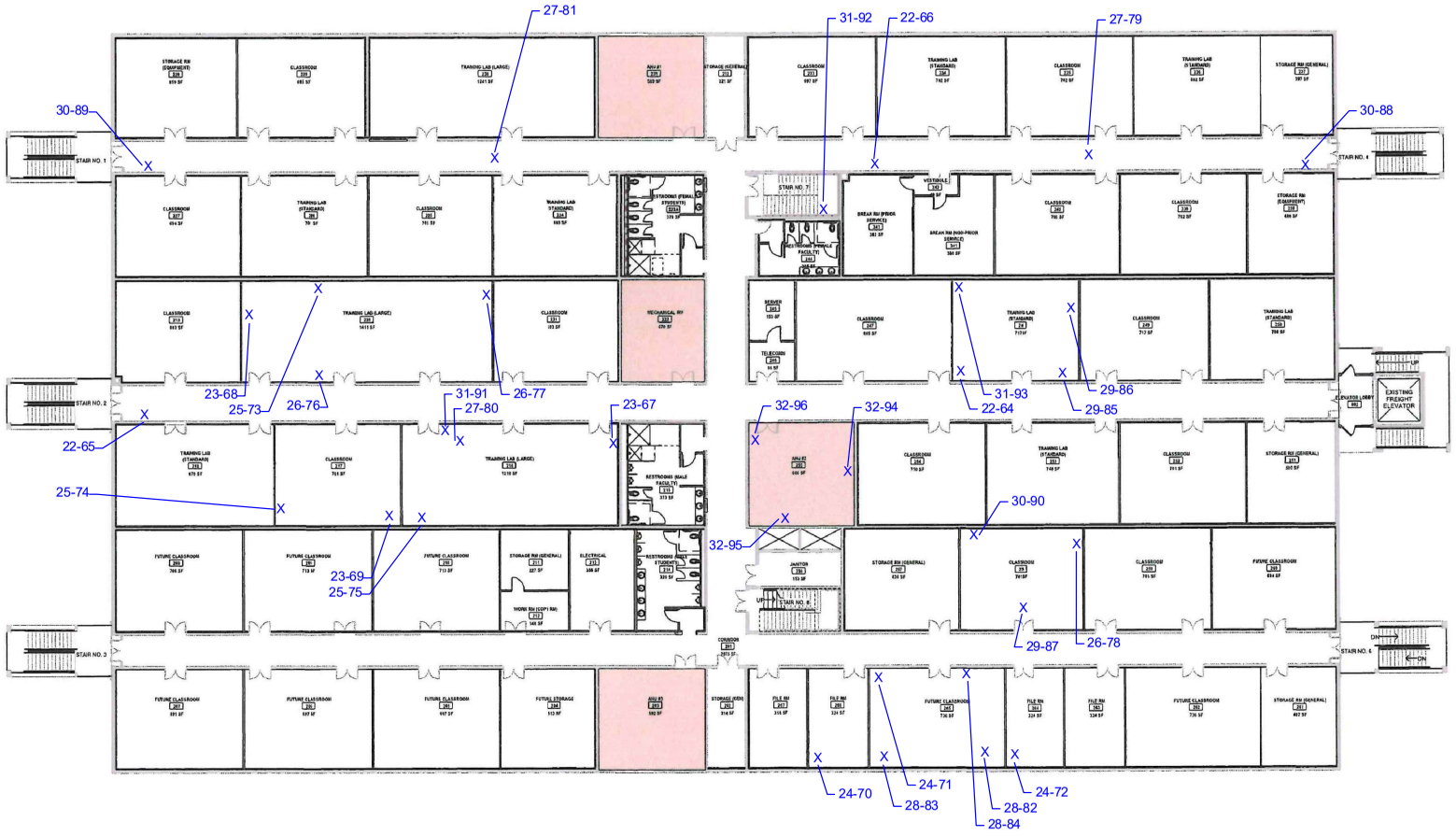


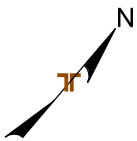
LEGEND

X ACM SAMPLE LOCATION

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr: BM	Project No. E4227010	Terracon	**FIRST FLOOR - ACM SAMPLE LOCATIONS**
Approved By: BM	Scale: NTS		KEESLER AFB JONES HALL
Checked By: BM	Date: 12/19/2022		BUILDING 6902
Drawn By: DBM	File No. E4227010.DWG	859 REAR ORCHARD RD RIDGELAND, MS 39157	KEESLER AFB, MISSISSIPPI
		PH. (601) 956-4467 TERRACON.COM	EXHIBIT 1





LEGEND

X ACM SAMPLE LOCATION

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr: BM	Project No. E4227010	Terracon	**SECOND FLOOR - ACM SAMPLE LOCATIONS**
Approved By: BM	Scale: NTS		KEESLER AFB JONES HALL
Checked By: BM	Date: 12/19/2022		BUILDING 6902
Drawn By: DBM	File No. E4227010.DWG	859 REAR ORCHARD RD RIDGELAND, MS 39157	KEESLER AFB, MISSISSIPPI
		PH. (601) 956-4467 TERRACON.COM	EXHIBIT 2

N

LEGEND

X ACM SAMPLE LOCATION

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	BM
Approved By:	BM
Checked By:	BM
Drawn By:	DBM
Project No.	E4227010
Scale:	NTS
Date:	12/19/2022
File No.	E4227010.DWG

Terracon
859 REAR ORCHARD RD RIDGELAND, MS 39157
PH. (601) 956-4467 TERRACON.COM

ROOF - ACM SAMPLE LOCATIONS

KEESLER AFB JONES HALL

BUILDING 6902

KEESLER AFB, MISSISSIPPI

EXHIBIT 3

LEGEND

■ LCP SAMPLE LOCATION

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr: BM	Project No. E4227010	Terracon	**FIRST FLOOR - LCP SAMPLE LOCATIONS**
Approved By: BM	Scale: NTS		KEESLER AFB JONES HALL
Checked By: BM	Date: 12/19/2022		BUILDING 6902
Drawn By: DBM	File No. E4227010.DWG	859 REAR ORCHARD RD RIDGELAND, MS 39157	KEESLER AFB, MISSISSIPPI
		PH. (601) 956-4467 TERRACON.COM	EXHIBIT 4

N

LEGEND

■ LCP SAMPLE LOCATION

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	BM
Approved By:	BM
Checked By:	BM
Drawn By:	DBM
Project No.	E4227010
Scale:	NTS
Date:	12/19/2022
File No.	E4227010.DWG

Terracon
859 REAR ORCHARD RD RIDGELAND, MS 39157
PH. (601) 956-4467 TERRACON.COM

SECOND FLOOR - LCP SAMPLE LOCATIONS
KEESLER AFB JONES HALL
BUILDING 6902
KEESLER AFB, MISSISSIPPI

EXHIBIT 5

N

LEGEND

SURFACE SWAB SAMPLE LOCATION

OBSERVED MOLD LOCATIONS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	BM
Approved By:	BM
Checked By:	BM
Drawn By:	DBM
Project No.	E4227010
Scale:	NTS
Date:	12/19/2022
File No.	E4227010.DWG

Terracon
859 REAR ORCHARD RD RIDGELAND, MS 39157
PH. (601) 956-4467 TERRACON.COM

FIRST FLOOR - SURFACE SWAB SAMPLE LOCATIONS

KEESLER AFB JONES HALL

BUILDING 6902

KEESLER AFB, MISSISSIPPI

EXHIBIT 6

N

LEGEND

SURFACE SWAB SAMPLE LOCATION

OBSERVED MOLD LOCATIONS

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr:	BM
Approved By:	BM
Checked By:	BM
Drawn By:	DBM
Project No.	E4227010
Scale:	NTS
Date:	12/19/2022
File No.	E4227010.DWG

Terracon
859 REAR ORCHARD RD RIDGELAND, MS 39157
PH. (601) 956-4467 TERRACON.COM

SECOND FLOOR - SURFACE SWAB SAMPLE LOCATIONS

KEESLER AFB JONES HALL
BUILDING 6902
KEESLER AFB, MISSISSIPPI

EXHIBIT 7

APPENDIX E
CERTIFICATIONS

State of Mississippi

Department of Environmental Quality

Office of Pollution Control

Certificate of Licensure

In accordance with the Asbestos Abatement Accreditation and Certification Act,
Enacted as 1989 Mississippi Law, Chapter 505

Be it known that

Rachele Taylor

Having submitted acceptable evidence of qualifications and
training and other appropriate information, is hereby granted this

Asbestos Inspector

Certification

Certificate No.: ABI-00009564
Expiration Date: Feb 9th, 2023
Training Expires on Feb 9th, 2023

Chief, Asbestos & Lead Branch

75592 LIC20220001

State of Mississippi

Department of Environmental Quality

Office of Pollution Control

Certificate of Licensure

In accordance with the Asbestos Abatement Accreditation and Certification Act,
Enacted as 1989 Mississippi Law, Chapter 505

Be it known that

Brad McKnight

Having submitted acceptable evidence of qualifications and
training and other appropriate information, is hereby granted this

Asbestos Inspector

Certification

Certificate No.: ABI-00001685
Expiration Date: Jun 10th, 2023
Training Expires on Jun 10th, 2023

Chief, Asbestos & Lead Branch

41468 LIC20220001

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

QuanTEM Laboratories, LLC
2033 Heritage Park Drive
Oklahoma City, OK 73120-7579
Mr. John E. Barnett
Phone: 405-755-7272 Fax: 405-755-2058
Email: jbarnett@quantem.com
http://www.quantem.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 101959-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101959-0

QuanTEM Laboratories, LLC

Oklahoma City, OK

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

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2022-10-01 through 2023-09-30

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

QuanTEM Laboratories

2033 Heritage Park Drive, Oklahoma City, OK 73120

Laboratory ID: LAP-101352

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

☑	INDUSTRIAL HYGIENE	Accreditation Expires: March 01, 2022
☑	ENVIRONMENTAL LEAD	Accreditation Expires: March 01, 2022
☑	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: March 01, 2022
☐	FOOD	Accreditation Expires:
☐	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Michael Breu
Chairperson, Analytical Accreditation Board

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 18: 03/27/2020

Date Issued: 03/31/2020

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

QuanTEM Laboratories
2033 Heritage Park Drive, Oklahoma City, OK 73120

Laboratory ID: LAP-101352
Issue Date: 03/31/2020

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 09/01/2006

EMLAP Scope Category	Field of Testing (FOT)	Component, parameter or characteristic tested	Method	Method Description *(for internal methods only)*
Fungal	Air - Direct Examination	-	MM001	Analysis of Spore Trap Cassettes
Fungal	Bulk - Direct Examination	-	MM005	Analysis of Non-Culturable Bulk Samples
Fungal	Surface - Direct Examination	-	MM002	Microscopic Analysis of Tape-Lift Samples
Fungal	Surface - Direct Examination	-	MM003	Microscopic Analysis of Non-Culturable Swab Samples

A complete listing of currently accredited EMLAP laboratories is available on the AIHA-LAP, LLC website at: *http://www.aihaaccreditedlabs.org*

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

QuanTEM Laboratories
2033 Heritage Park Drive, Oklahoma City, OK 73120

Laboratory ID: LAP-101352
Issue Date: 03/31/2020

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/31/1995

Component, parameter or characteristic tested	Technology sub-type/Detector	Method	Method Description *(for internal methods only)*
Airborne Dust	AA	NIOSH 7082	N/A
Paint	AA	EPA 600/R-93/200	N/A
		EPA SW-846 7000B	N/A
Settled Dust by Wipe	AA	EPA 600/R-93/200	N/A
		NIOSH 7082	N/A
Soil	AA	EPA 600/R-93/200	N/A
		EPA SW-846 7000B	N/A

A complete listing of currently accredited ELLAP laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org