DATE: September 24, 2018

TO: Jeremy Turner, Principal

SUBJECT: Lakeview MS - IAQ - Air Test Results - Room 213A

On Thursday 9/20, Apex-Titan Air tested Room 213A. It is typically assumed that indoor spore levels in an area with filtered or air conditioned air, and activity levels associated with schools average below the outdoor levels. Data from the airborne fungi sampling indicated that the total indoor concentration of mold/fungi in Room 213A, was **1.9%** of the outdoor levels. Utilizing this theory, the indoor concentrations are well within the acceptable guidelines for areas with filtered air or air conditioning. If you have any questions, please call me.
Thanks,
Paul

Paul Siddall
Maintenance Energy Auditor (IAQ)
Facility Services
Lewisville ISD
340 Lake Haven Rd
Lewisville, TX 75057

September 25, 2018

Lewisville Independent School District
340 Lake Haven
Lewisville, Texas 75057
Attn: Mr. Paul Siddall

Re: Limited Mold Assessment
Lakeview Middle School
Room 213A
4300 Keys Drive
The Colony, Texas
LISD PO No. 91901697-00
Apex Project No. 725010727148

Introduction

Apex TITAN, Inc., a subsidiary of Apex Companies, LLC (APEX) conducted limited mold assessment activities for the Lewisville Independent School District (Lewisville I.S.D.) within Room 213A of Lakeview Middle School located at 4300 Keys Drive in The Colony, Texas (hereinafter referred to as the "Site"). The investigation was limited to areas of the Site identified by Lewisville I.S.D. as described below. The assessment was performed by Mr. Phillip G. Fronczek, CHMM, a State of Texas licensed Mold Assessment Consultant (Lic. No. MAC1246) on September 20, 2018. Apex's mold services definitions and limitations are included as an attachment to this report.

Regulatory Overview

The Texas Department of Licensing and Regulation (TDLR) regulates fungal assessment and remediation activities under the Texas Mold Assessment and Remediation Rules (TMARR). Effective January 1, 2005, the TMARR requires that fungal assessments be performed by a TDLR-licensed Mold Assessment Technician (MAT) or Mold Assessment Consultant (MAC) following specified minimum work practices and procedures. Bulk, surface and air samples collected during a fungal assessment must be analyzed by a TDLR-licensed mold analysis laboratory. Visible fungal growth that exceeds 25 contiguous square feet is considered a regulated quantity and must be remediated by a licensed Mold Remediation Contractor (MRC) in accordance with a site specific fungal remediation protocol prepared by a MAC.

Investigation Areas

Lewisville I.S.D. identified the following physical portions of the Site as the target investigation areas ("Investigation Areas") for mold assessment: readily accessible areas within Room 213A. Apex's mold assessment services were limited to the Investigation Area(s) identified by Lewisville, I.S.D. Additional areas or portions of the Site were out-of-scope and not included in Apex's mold assessment or this report at this time.

Scope of Work

As established in Apex's Mold Assessment Proposal (No. P725010727176) dated September 17, 2018. Apex's scope-of-work was to provide visual and/or analytical mold assessment and related services in the Investigation Area which included:

Visual Reconnaissance: Apex performed a visual reconnaissance of the Investigation Areas for visible indications of moisture intrusion (as indicated by staining or visible moisture) and/or suspect mold growth. Apex's visual reconnaissance only included readily accessible or visible portions of the Investigation Areas.

Suspect Mold Growth Sampling and Analysis: Apex collected limited ambient air samples for nonviable mold spores utilizing Air-O-Cell cassettes. "Air-O-Cell" refers to slit impaction air sampling cassettes manufactured by Zefon Analytical Accessories, St. Petersburg, Florida.

Site Reconnaissance Observations/Findings and Recommendations

Apex's Mold Assessment Site reconnaissance was performed on September 20, 2018 by Mr. Phillip G. Fronczek, CHMM, a TDLR-licensed MAC. Apex's visual reconnaissance of the Investigation areas revealed the following:

Visual Assessment

At the time of the assessment no visible mold growth (VMG), odors or excessive dust were noted within the Investigated Areas.

Temperature and Relative Humidity

Temperature, relative humidity and moisture content readings collected from within the investigation areas on September 20, 2018 are presented in Table 1 below.

Relative humidity is a measure of the moisture content of air and is closely tied to the comfort of the office/workplace temperature. As with temperature, there are no regulations governing acceptable office/workplace humidity ranges. Humidity levels in the office/workplace are not only related to health effects, but also have operational impacts on modern office equipment.

Workplace/office temperatures have historically been considered a subjective factor because the perception of uncomfortable temperature levels is specific to each individual. There are no regulations governing acceptable office/workplace temperature ranges, but significant research has been conducted which indicates that there are temperature ranges that are not only comfortable but also result in optimum performance. ASHRAE (American Society of Heating, Refrigerating & Air Conditioning Engineers) has published guidelines describing thermal environmental conditions that at least 80% of the persons who occupy that environment will find acceptable or "comfortable."

Apex utilized a Protimeter Moisture Measurement System (MMS) instrument (Model No. BLD2000) to measure and diagnose dampness in the drywall within random areas. The MMS is a battery powered handheld unit that is equipped with hydrostick probes to measure moisture content in wood, drywall and other and non-conductive materials. The device measures electrical conductivity of building materials and compares the conductivity readings to an internal, electronic standard reading for normal or "dry" materials.

Moisture content readings were obtained by pushing the moisture probe pins into surfaces. The measured values were then displayed on a colored scale depicting if the materials measured were normal (dry), higher than normal but not critical (at risk) or contained excessive moisture levels (wet).

TABLE 1 Temperature, Relative Humidity and Moisture Content Readings September 20, 2018			
	Temperature (^{0}F)	**Relative Humidity (%)**	**Moisture Meter Readings**
Applicable limits and guidelines	**Winter: 68-74.5^{0}F Summer: 73-79^{0}F**	**Winter: 22-60% Summer: 30-60%**	**<5% - Out of Range > 5% But < 16% - Normal > 17% But < 20% - Higher Than Normal but Not Critical > 20% - Excessive Moisture Levels**
Sample Location			
Room 213A	75.8	45.3	12-14
Exterior East	85.7	66.2	n/a
Exterior Southeast	83.1	60.6	n/a

Air Monitoring Results

Apex collected one (1) sample from the interior of the Investigation Area and two (2) reference samples from the exterior of the building. The microbial samples were analyzed by Moody Labs (Moody) in Farmers Branch, Texas; SMMS is a State of Texas licensed mold analysis laboratory and accredited under the AIHA Laboratory Quality Assurance Program for Environmental Microbiology.

Room 213A

Air testing performed using spore traps indicated that total airborne mold spores within Room 213A were lower as compared to those measured outside of the building at the time the sampling was performed. The total fungal spore concentration within the class room was reported as 505 spores/m^3, while the exterior level ranged from 23,833 to 26,826 spores/m^3.

The American Conference of Governmental Industrial Hygienists (ACGIH) sets forth assessment criteria related to the "indoor/outdoor" relationship where the indoor air quality should be at or below that of outdoor air quality with regard to fungal spores (see ACGIH Bioaerosols, Assessment and Controls publication, 1999).

Conclusions and Recommendations

Based on Apex's limited assessment and the analytical results collected, it appears that the indoor air quality, as it relates to airborne fungi was within recommended guidelines on the day of the assessment.

Limitations

Assessment findings and recommendations are subject to the following limitations:

1. This assessment was based on a limited assessment of conditions existing at the time of the site assessment and presumes that the conditions that caused the initial moisture incursion and resultant mold growth have been corrected as reported.

2. The samples collected are representative of the specific time and location where they were collected and may not be indicative of conditions throughout the entire structure. Results of the assessment should not be extrapolated to represent other areas in the building. Bioaerosol levels are highly variable from day-to-day with results depending on environmental factors such as occupancy, temperature, humidity, airflows, and sunlight levels.

3. The room was occupied at the time of the assessment therefore destructive exploration of duct work and sheetrock was not performed.

The recommendations and conclusions made in this report may change or need to be amended as new information is obtained, particularly as remediation or renovation processes occur and previously "hidden" or inaccessible areas (such as wall cavities and behind cabinetry) are exposed. The recommendations and conclusions contained within this report represent the best professional judgment of Apex based on the data collected at the time of the assessment as contained herein and this report should be reviewed in its entirety. Apex is not responsible for the use of this information outside of its intended purpose. All occupant health inquiries should be referred to a physician knowledgeable in the health effects of environmental mold exposure.

This document is the rendering of a professional service, the essence of which is the advice, judgment, opinion, or professional skill. In the event that additional information becomes available that could affect the conclusions reached in this investigation, Apex reserves the right to review some or all of the opinions presented herein and change the resulting recommendations, if required.

This report has been prepared for the exclusive use of Lewisville I.S.D. No unauthorized reuse or reproduction of this report, in part or whole, shall be permitted without prior written consent. If you have any questions regarding this report or if we can assist you with any other matter, please contact the undersigned at (469) 365-1100.

Sincerely,
Apex TITAN, Inc.

Phillip G. Fronczek, CHMM
Texas Mold Assessment Consultant
Lic. No. MAC1246

Attachments: Analytical Results/Chain of Custody, Mold Services Definitions & Limitations, State Licenses

ATTACHMENTS

ATTACHMENT 1

ANALYTICAL RESULTS/CHAIN OF CUSTODY

IAQ Mold Report

Summary

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

TDLR License No.: LAB0117
AIHA EMPAT ID: 102577

Client : Apex Titan, Inc. - Dallas
Project : Lakeview Middle School, Room 213A
Project # : 725010727148
Sample Type: Spore Trap, Non-cultured
Test Method: Mold: ASTM D7391-17e1 - Standard Profile

Lab Job No. : 18F-12066
Report Date : 09/24/2018 9:15 AM
Sample Date: 09/20/2018
Spore Trap Type: Zefon - Air-O-Cell

On 9/20/2018, three (3) samples were submitted by Phillip Fronczek of Apex Titan, Inc. - Dallas (located at 12100 Ford. Rd., Suite 401, Farmers Branch, TX 75234) for Spore Trap, Non-cultured mold analysis. This report consists of three sections; a summary section, a data detail section, and an analytical notes section.

Sample Number	Volume (liters)	Sample Description	Identification	Concentration spores/cubic meter	
A1	75	Indoor, Room 213A * See Analytical Notes report for further details	Myxomycete / Rust / Smut	133	26%
			Hyphal / Spore Fragments - Dematiaceous	80	16%
			Aspergillus / Penicillium	53	10%
			Alternaria	53	10%
			Drechslera / Bipolaris group	40	8%
			Cladosporium	40	8%
			Hyphal / Spore Fragments - Hyaline	27	5%
			Curvularia	27	5%
			Agaricales group	13	3%
			Pithomyces	13	3%
			Basidiospores	13	3%
			Ascospores	13	3%
			Total:	505	100%

IAQ Mold Report

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Sample Number	Volume (liters)	Sample Description	Identification	Concentration spores/cubic meter	
A2	75	Outdoor Reference, Outdoor East * See Analytical Notes report for further details	Basidiospores	10300	43%
			Cladosporium	8733	37%
			Myxomycete / Rust / Smut	1320	6%
			Aspergillus / Penicillium	1026	4%
			Ascospores	533	2%
			Coprinus group	400	2%
			Hyphal / Spore Fragments - Dematiaceous	333	1%
			Curvularia	227	<1%
			Hyphal / Spore Fragments - Hyaline	187	<1%
			Agaricales group	147	<1%
			Paecilomyces	133	<1%
			Cercospora	133	<1%
			Fusarium	120	<1%
			Alternaria	107	<1%
			Nigrospora	67	<1%
			Drechslera / Bipolaris group	27	<1%
			Torula	27	<1%
			Epicoccum	13	<1%
			Total:	23833	100%

IAQ Mold Report

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Sample Number	Volume (liters)	Sample Description	Identification	Concentration spores/cubic meter	
A3	75	Outdoor Reference, Outdoor Southeast * See Analytical Notes report for further details	Cladosporium	14000	52%
			Basidiospores	8640	32%
			Myxomycete / Rust / Smut	1026	4%
			Ganoderma	507	2%
			Coprinus group	507	2%
			Hyphal / Spore Fragments - Dematiaceous	333	1%
			Aspergillus / Penicillium	293	1%
			Alternaria	293	1%
			Paecilomyces	267	<1%
			Fusarium	253	<1%
			Ascospores	200	<1%
			Hyphal / Spore Fragments - Hyaline	160	<1%
			Drechslera / Bipolaris group	147	<1%
			Cercospora	53	<1%
			Curvularia	53	<1%
			Nigrospora	40	<1%
			Agaricales group	27	<1%
			Epicoccum	27	<1%
			Total:	26826	100%

Analyst(s): Kathryn Waters

Lab Manager : Heather Lopez — Approved Signatory : Heather Lopez

Lab Director : Bruce Crabb — Approved Signatory : Bruce Crabb

IAQ Mold Report

Data Detail

Moody Labs
2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

TDLR License No.: LAB0117
AIHA EMPAT ID: 102577

Client : Apex Titan, Inc. - Dallas
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Sample ID:	A1					A2					A3				
Location:	Indoor, Room 213A					Outdoor Reference, Outdoor East					Outdoor Reference, Outdoor Southeast				
Media Expires On:	Jun 2018					Jun 2018					Jun 2018				
Notes Included:	See Analytical Notes					See Analytical Notes					See Analytical Notes				
Volume:	75					75					75				
	raw ct.	RL	spores/m³	%total	spores/m³ SF	raw ct.	RL	spores/m³	%total	spores/m³ SF	raw ct.	RL	spores/m³	%total	spores/m³ SF
Agaricales group	1	13	13	3%	10	11	13	147	<1%	150	2	13	27	<1%	30
Alternaria	4	13	53	10%	50	8	13	107	<1%	100	22	13	293	1%	290
Ascospores	1	13	13	3%	10	40	13	533	2%	530	15	13	200	<1%	200
Aspergillus / Penicillium	4	13	53	10%	50	77	13	1026	4%	1000	22	13	293	1%	290
Basidiospores	1	13	13	3%	10	103	100	10300	43%	10000	108	80	8640	32%	8600
Cercospora						10	13	133	<1%	130	4	13	53	<1%	50
Chaetomium															
Cladosporium	3	13	40	8%	40	131	67	8733	37%	8700	105	133	14000	52%	14000
Coprinus group						30	13	400	2%	400	38	13	507	2%	510
Curvularia	2	13	27	5%	30	17	13	227	<1%	230	4	13	53	<1%	50
Drechslera / Bipolaris group	3	13	40	8%	40	2	13	27	<1%	30	11	13	147	<1%	150
Epicoccum						1	13	13	<1%	10	2	13	27	<1%	30
Fusarium						9	13	120	<1%	120	19	13	253	<1%	250
Ganoderma											38	13	507	2%	510
Hyphal / Spore Fragments - Dematiace	6	13	80	16%	80	25	13	333	1%	330	25	13	333	1%	330
Hyphal / Spore Fragments - Hyaline	2	13	27	5%	30	14	13	187	<1%	190	12	13	160	<1%	160
Memnoniella															
Myxomycete / Rust / Smut	10	13	133	26%	130	99	13	1320	6%	1300	77	13	1026	4%	1000
Nigrospora						5	13	67	<1%	70	3	13	40	<1%	40
Paecilomyces						10	13	133	<1%	130	20	13	267	<1%	270
Pithomyces	1	13	13	3%	10										
Stachybotrys															
Torula						2	13	27	<1%	30					
TOTALS	38		505	100%	500	594		23833	100%	24000	527		26826	100%	27000
Analyst	Kathryn Waters					Kathryn Waters					Kathryn Waters				
Analysis Date	9/24/2018					9/24/2018					9/24/2018				
Debris Rating	3					3					3				
Debris Composition															
Fibers	1/5					1/5					1/5				
Inorganic/Other	3/5					3/5					3/5				
Insect Parts	0/5					0/5					0/5				
Pollen	0/5					2/5					2/5				
Skin/Dander	1/5					1/5					1/5				

IAQ Mold Report

Data Detail

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

TDLR License No.: LAB0117
AIHA EMPAT ID: 102577

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Sample Type: Spore Trap, Non-cultured
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Lab Job No. : 18F-12066
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Sample Date: 09/20/2018
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End of Data Detail section
18F-12066

IAQ Mold Report

Analytical Notes

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

TDLR License No.: LAB0117
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Samples Analyzed

Sample No	A1 : Indoor, Room 213A
Notes:	Media expiration was June 2018. Testing may be compromised. Interpret results with caution.
Sample No	A2 : Outdoor Reference, Outdoor East
Notes:	Media expiration was June 2018. Testing may be compromised. Interpret results with caution. Please note: the minimum detection limit for Basidiospores is 100 spores / cubic meter. When comparing results to other samples, use calculated results, not raw numbers. Please note: the minimum detection limit for Cladosporium is 67 spores / cubic meter. When comparing results to other samples, use calculated results, not raw numbers.
Sample No	A3 : Outdoor Reference, Outdoor Southeast
Notes:	Media expiration was June 2018. Testing may be compromised. Interpret results with caution. Please note: the minimum detection limit for Cladosporium is 133 spores / cubic meter. When comparing results to other samples, use calculated results, not raw numbers. Please note: the minimum detection limit for Basidiospores is 80 spores / cubic meter. When comparing results to other samples, use calculated results, not raw numbers.

Field Blanks

No discernable field blanks were submitted with this set of samples.

IAQ Mold Report

Analytical Notes

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

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Methods

Method: ASTM D7391-17e1: Categorization and Quantification of Airborne Fungal Structures in an Inertial Impaction Sample by Optical Microscopy.
Samples are read at 100% unless noted. Partial readings may be employed when concentrations are elevated. Use final spore concentrations, not raw spore counts, for interpretation of results.

Calculation: Spores/cubic meter = (Raw spore count)*(RL)
Note: RL (Reporting Limit) is based upon 1 raw spore count.
Moody Labs recommends two significant figures for calculated values based on ASTM D7391-17e1.

This report must not be used by the customer to claim product certification, approval, or endorsement by AIHA, ISO, or any agency of the Federal Government.

Debris Rating Key

0 - No linear trace detected
1 - Trace particulate/debris
2 - Light particulate/debris
3 - Moderate particulate/debris.
4 - Substantial particulate/debris
5 - Extensive particulate/debris
6 - Field blank
10 - Hold Sample
11 - Modified Analysis per Client Instructions

NOTE: Particulate/debris are defined as skin, fibers, pollen grains, insect parts, fungal and/or other non-fungal particles.

IAQ Mold Report

Analytical Notes

Moody Labs
2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

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MICROBIOLOGY LABS ISO/IEC 17025:2005 Accredited Laboratory AIHA LAP, LLC AIHAACCREDITEDLABS.ORG Lab ID # 102577

HUB Statewide Historically Underutilized Business Program

TEXAS Department of State Health Services License # LAB0117

Certified WBENC Women's Business Enterprise

End of Analytical Notes section
18F-12066

IAQ Mold Report

Supplemental Overview

Moody Labs
2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

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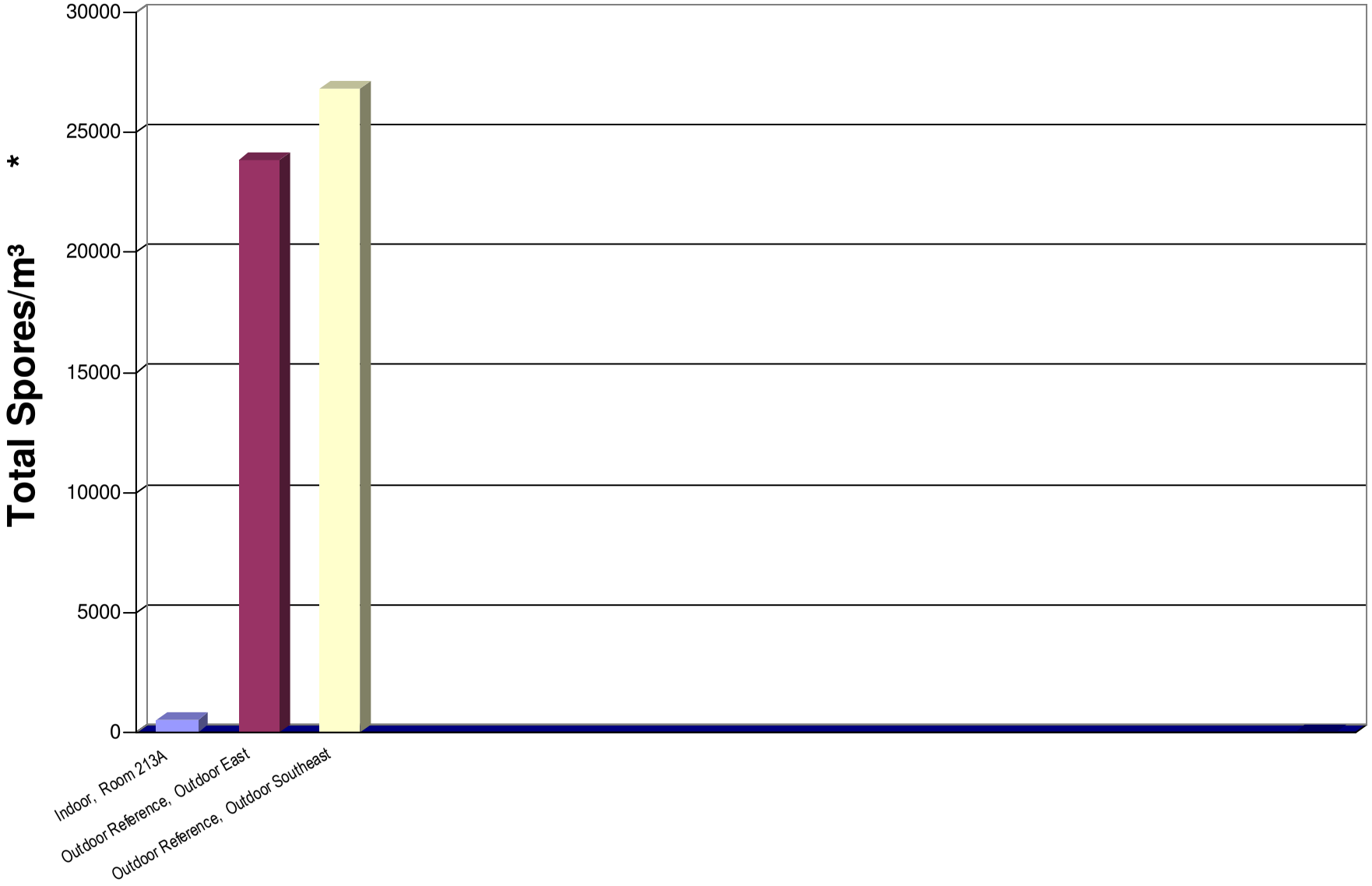
Lab Job No. 18F-12066
Report Date 09/24/2018 9:15 AM
Sample Date : 09/20/2018



IAQ Mold Report

Supplemental Overview

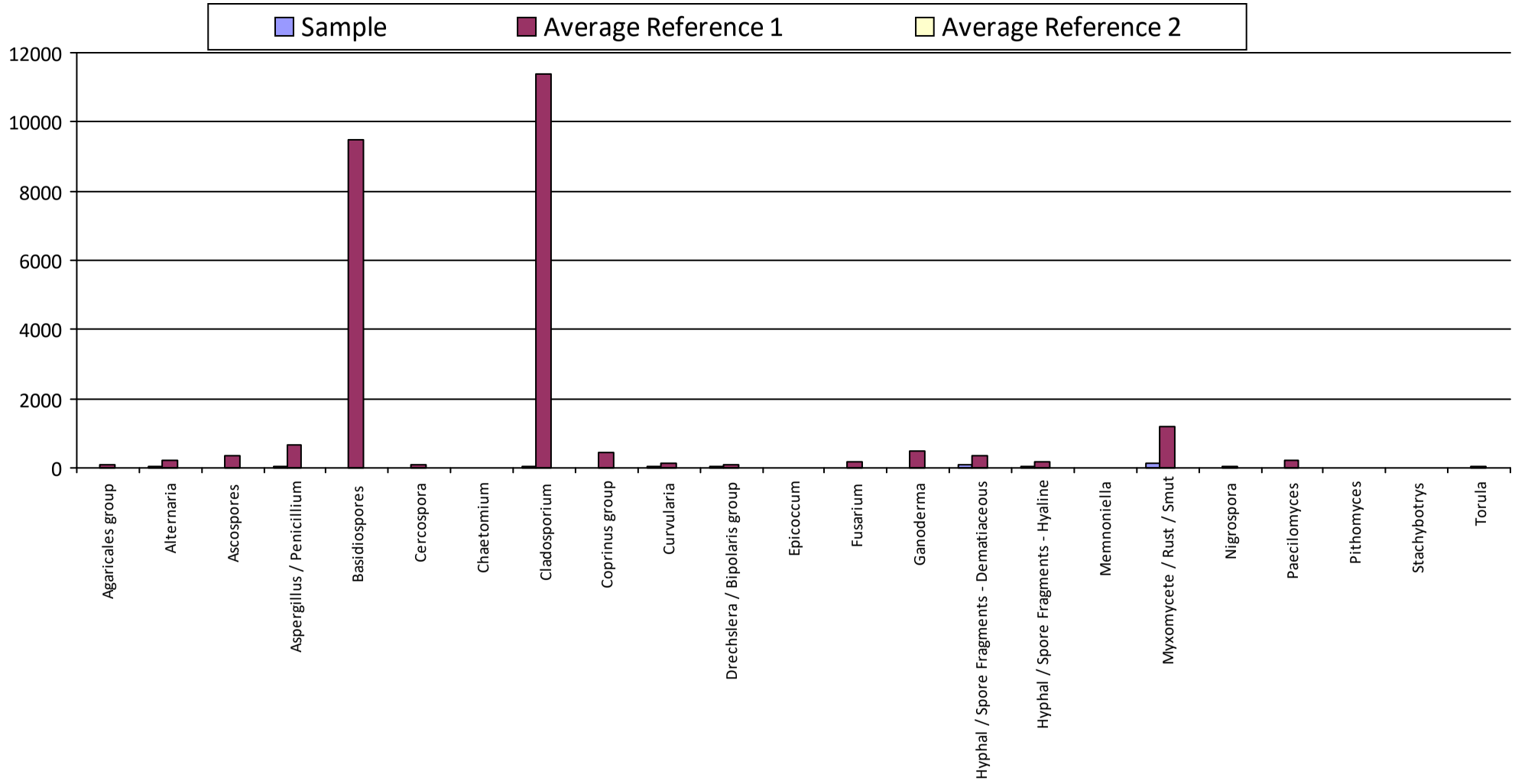
Moody Labs
2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

TDLR License No.: LAB0117
AIHA EMPAT ID: 102577

Client : Apex Titan, Inc. - Dallas
Project : Lakeview Middle School, Room 213A
Project # : 725010727148

Indoor, Room 213A

Lab Job No. 18F-12066
Report Date 09/24/2018 9:15 AM
Sample Date : 09/20/2018



Average Reference 1 = Outdoor Reference, Outdoor East, Outdoor Reference, Outdoor Southeast

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IAQ Mold Report

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Outdoor Reference, Outdoor East

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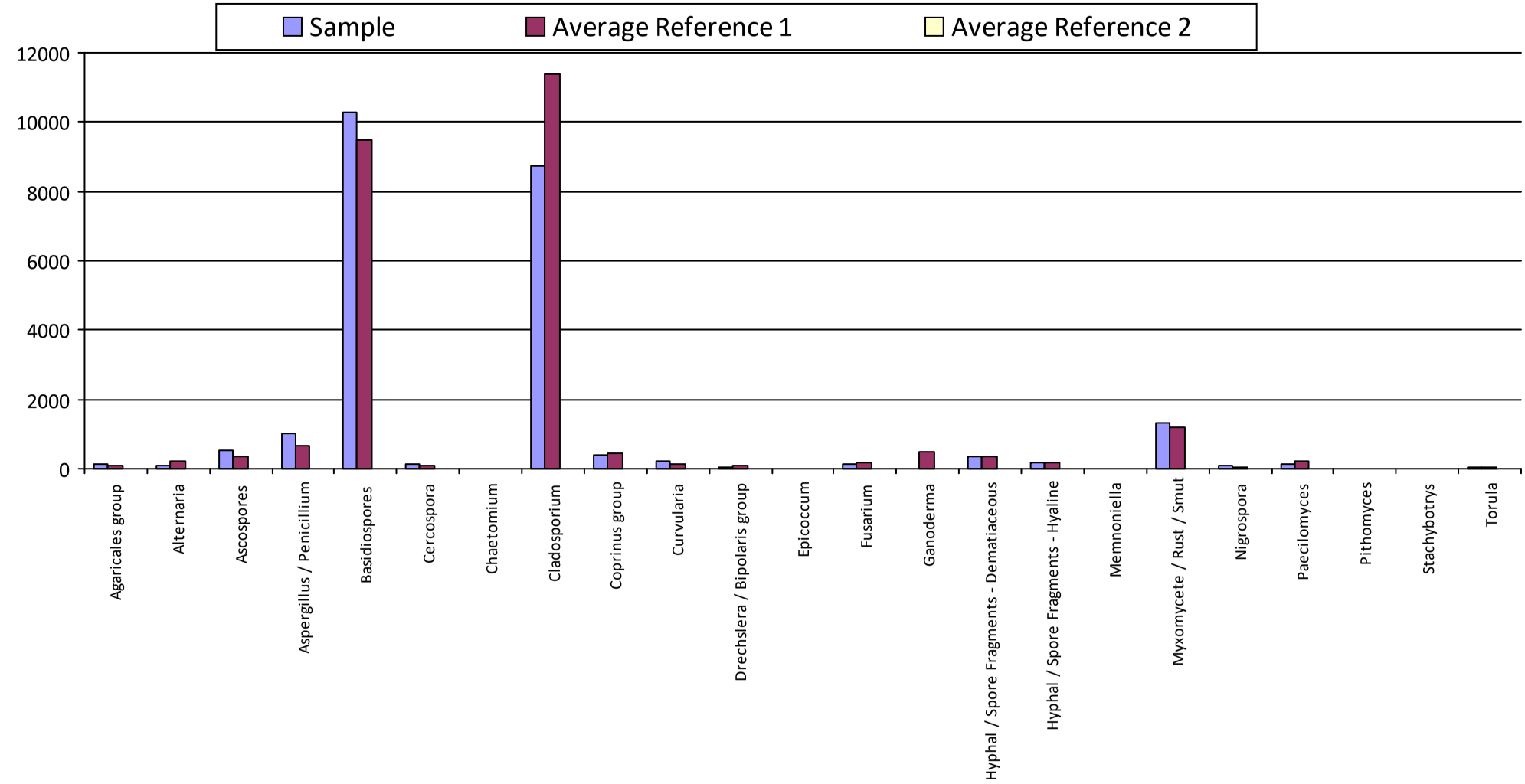
Sample Date : 09/20/2018



Average Reference 1 = Outdoor Reference, Outdoor East, Outdoor Reference, Outdoor Southeast

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Outdoor Reference, Outdoor Southeast

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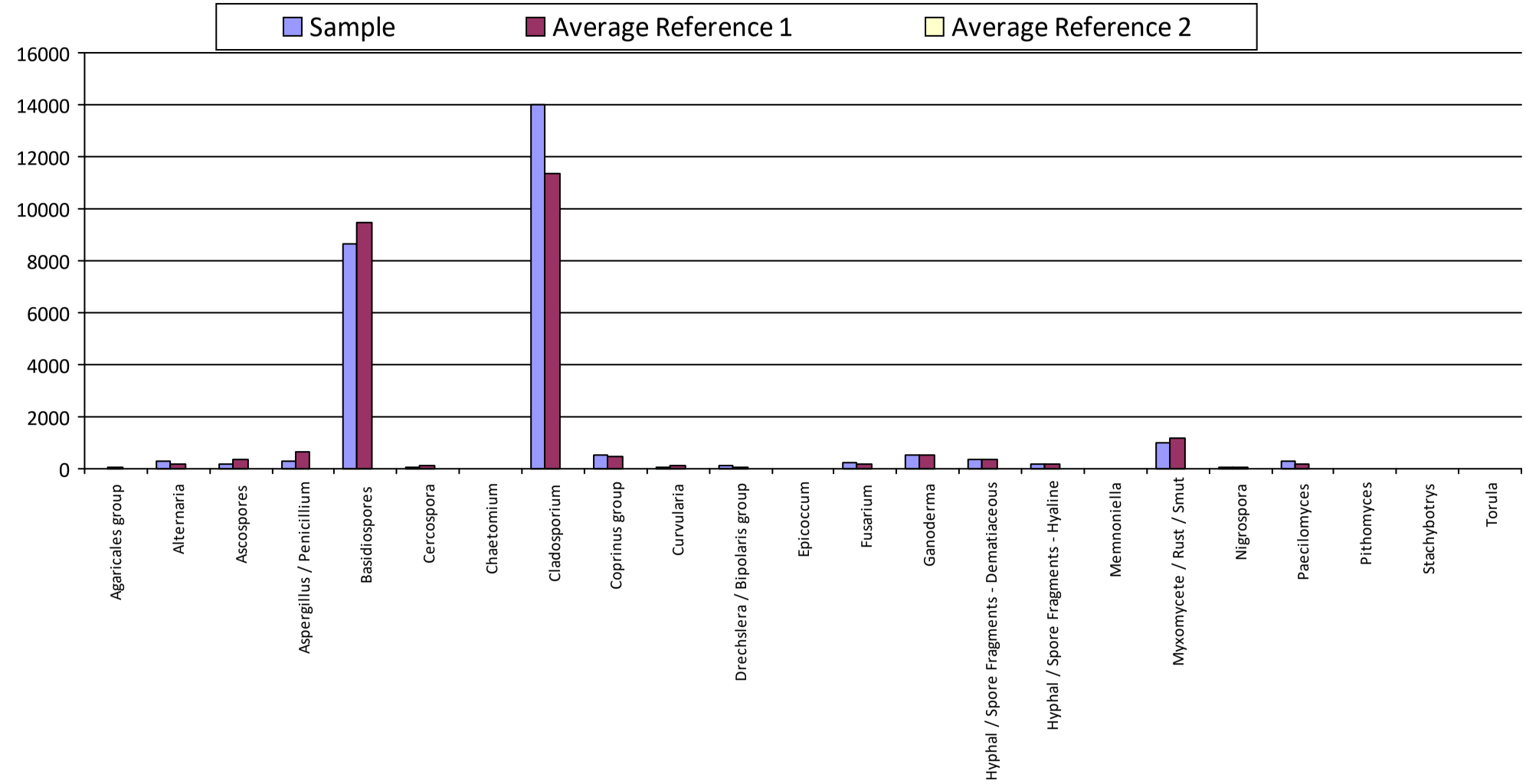
Sample Date : 09/20/2018



Average Reference 1 = Outdoor Reference, Outdoor East, Outdoor Reference, Outdoor Southeast

End of Supplemental Overview section

Moody Labs

Chain of Custody

Lab Job # 18F-12066Acc3
Lab Job #
Lab Job #

Please call in advance for immediate, after-hour, & weekend pricing & availability.

ASBESTOS PLM
Bulk ☐ Immediate ☐ 1 day ☐ 2 day ☐ 3 day ☐ 5 day
☐ **Analyze All** ☐ **Positive Stop**

PCM Air (7400)
☐ Immediate ☐ 1 day ☐ 2 day ☐ 3 day ☐ 5 day
Analyze Blanks ☐ **Yes** ☐ **No**

TOTAL DUST(0500/0600)
☐ 1 day ☐ 2 day

ASBESTOS TEM
Air AHERA Method ☐ Late Night* ☐ 6 hr ☐ 12 hr ☐ 24 hr
Air 7402 (Modified) ☐ 1 day ☐ 2 day ☐ 3 day
Bulk ☐ 1 day ☐ 2 day ☐ 3 day ☐ 5 day
Water/Wipe/Micro Vac ☐ 1 day ☐ 2 day ☐ 3 day
Analyze Blanks ☐ **Yes** ☐ **No**
*Late night analysis surcharges apply

MOLD
Direct Exam ☐ Immed ☐ 1 day ☐ 2 day ☐ 5 day
Standard Air ☐ Immed ☐ 1 day ☒ 2 day ☐ 5 day
Expanded Air ☐ Immed ☐ 1 day ☐ 2 day ☐ 5 day
Culture** ☐ 10-14 days
Analyze Blanks ☐ **Yes** ☐ **No**
Turnaround of Culture Samples subject to Culture Growth

BACTERIA**
Colony Counts (CC) ☐ 3 day ☐ 5 day
CC + Gram Stain ☐ 3 day ☐ 5 day
Coliform & E. coli (P/A) ☐ 2-3 day
Legionella ☐ 14 days

OTHER: _____

Billing Company / City: Apex TITAN
Submitter's Company: Apex TITAN
Submitter's Name: Phillip Fronczek
Project: Lakeview Middle School - Room 213A
Contact Information: Name: Phillip Fronczek & Veronica Ewald
E-mail Results to: All
Invoice Address: _____

# of Samples: 3
Sample Date: 9/20/2018
Project #: 725010727148
Phone #: 409.656.7032
Mobile #: _____
Fax #: _____
P.O. #: _____

Please review paperwork and samples before submitting to lab. Unsealed / improperly packaged / damaged / expired samples or excessive administrative requests may incur additional fees

Notes: _____

Sample #	Sample Description	Vol. / Area (if applicable)	Location / Notes
A1	Indoor	75L	Room 213A
A2	Outdoor Reference	75L	Outside East
A3	Outdoor Reference	75L	Outside Southeast

Released By:	Date / Time:	Received By:	Date / Time:
	9/20 12:13	Monica Thomas	9/20/18 1213
Released By:	Date / Time:	Received By:	Date / Time:

ATTACHMENT 2

MOLD SERVICES DEFINITIONS & LIMITATIONS/STANDARD OF CARE AND RELIANCE

Mold Services Definitions & Limitations

"Mold" defined. Mold is a general term used to describe various types of singled-celled naturally occurring biological organisms occurring worldwide. For purposes of this report the term "mold" is broadly defined to include any living or dead fungi or related products or parts, including spores, hyphae, and mycotoxins.

Limited Scope of Mold Assessment. The scope of Apex's mold assessment services as reflected in the Proposal and this report are limited in that (i) they were physically limited to certain portions of the building structure (e.g., the Client identified Investigation Areas); and (ii) limited by accessibility to building materials or components within the Investigation Area(s). In contrast to a Limited Assessment" is a comprehensive assessment, which involves destructive sampling methods and the scope of the assessment typically extending to the entire building structure.

Time sensitive. Mold assessments are essentially a *"snap shot in time,"* and the results are only relevant at the time of site reconnaissance. Because mold, when biologically active, is a living organism, its presence is influenced and controlled by environmental conditions. Mold assessments, therefore, are "time sensitive" in that the presence and concentration of mold and similar organisms in building structures or in the air is directly influenced by environmental conditions (such as humidity, moisture, nutrients and substrates), whether natural or caused by man, which conditions may vary significantly over relatively short periods of time.

Methodologies. Currently, mold assessment methodologies and protocols are governed by persuasive guidelines (rather than promulgated federal/state or local regulations). Presently, there is no data that supports a threshold limit or dose-response relationship for exposure to mold aeroallergens, individual pathogens, opportunistic pathogens and/or mycotoxins. The Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety and Health (NIOSH) and other non-governmental associations, have not yet established permissible exposure limits (PELs), recommended exposure limits (RELs), or other limit values for aeroallergens. Because no limit values presently exist, Apex will not and cannot represent that the site contains no harmful microbes, mold, fungi, or their metabolites, or other latent conditions beyond those identified by the limited scope of this mold assessment.

Findings limited. Findings from a limited mold assessment are limited because of the nature of the information obtained (e.g., visual reconnaissance of readily accessible areas of building structures, interview information, anecdotal information, and limited sampling data derived from one or more specific sampling events). Apex cannot warrant the accuracy of prior or subsequent information/data, reports and services performed by other firms at the Site. Apex assumes no responsibility or liability for errors in information or data provided by or through the client or third party sources. Apex's services are not to be construed as legal or medical interpretation or advice.

Moisture Intrusion Limitation. Apex performs mold assessment services and is not a moisture intrusion, HVAC, roofing, plumbing or building envelope specialist. However, during the course of conducting its mold assessment services, Apex will report observed areas of apparent moisture intrusion. Apex does not and will not investigate the cause or causes of such observed moisture intrusion. In the event apparent moisture intrusion is observed, Apex will recommend

that the client contact a specialist (i.e., plumbing contractor, building envelope specialist, HVAC contractor, water intrusion specialist, etc.) to assist the client in determining the specific cause or causes of the moisture intrusion and remedial options.

Standard of Care
Apex performed its Services in accordance with generally accepted practices of the profession undertaken in similar services at the same time and in the same geographical area. No other warranties, expressed or implied, apply to the Services hereunder or this report.

Reliance
Apex's proposal for this project, services and this report have been prepared on behalf of and for the exclusive use of Lewisville Independent School District solely for their use and reliance in assessing the presence of mold in the Investigation Areas of the site. Lewisville Independent School District is the only party to which Apex explained the risks and limitations of the services and was solely involved in shaping the scope of services. Accordingly, reliance on this report by any other party may involve assumptions leading to an unintended interpretation of findings and opinions. With the consent of the client, Apex may offer reliance to third parties or contract with other parties to develop findings and opinions related to such party's unique risk management concerns. Notwithstanding the foregoing, reliance by any and all third parties upon the proposal, the Services or this report shall be limited in the aggregate to all relying parties to the fair market value of the Services provided by Apex.

ATTACHMENT 3

STATE LICENSES

Mold Assessment Company

APEX TITAN INC

License Number: ACO1061

The entity named above is licensed by the Texas Department of Licensing and Regulation.

License Expires: April 16, 2020

Brian E. Francis
Executive Director

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

BE IT KNOWN THAT

PHILLIP G FRONCZEK

is hereby licensed and authorized to perform as a

Mold Assessment Consultant

in the State of Texas and is hereby governed by the rights, privileges, and responsibilities set forth in Title 25, Texas Administrative Code, Chapter 295, relating to Texas Mold Assessment and Remediation Rules, as long as this license is not suspended or revoked.

John Hellerstedt, M.D.
Commissioner of Health

License Number: **MAC1246**

Control Number: **8629**

Expiration Date: **10/28/2018**

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

Mike Arismendez
Chair

Thomas F. Butler
Vice Chair

Gerald R. Callas, M.D.
Helen Callier
Rick Figueroa
Gary F. Wesson, D.D.S., M.S.
Deborah A. Yurco

Mold Analysis Laboratory

STEVE MOODY MICRO SERVICES LLC

License Number: LAB0117

The entity named above is licensed by the Texas Department of Licensing and Regulation.

License Expires: March 01, 2020

Brian E. Francis
Executive Director

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Steve Moody Micro Services, LLC

2051 Valley View Lane, Farmers Branch, TX 75234

Laboratory ID: 102577

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 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

☐	**INDUSTRIAL HYGIENE**	Accreditation Expires:
☐	**ENVIRONMENTAL LEAD**	Accreditation Expires:
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: September 01, 2019
☐	**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 17025:2005 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.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

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

Revision 15: 03/30/2016

Date Issued: 08/31/2017

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

Steve Moody Micro Services, LLC
2051 Valley View Lane, Farmers Branch, TX 75234

Laboratory ID: **102577**
Issue Date: 08/31/2017

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: 06/01/2003

EMLAP Category	Field of Testing (FoT)	Method	Method Description *(for internal methods only)*
Fungal	Air - Culturable	SOP Q-00039	In House: Determination of Fungal Concentrations in Airborne Samples Utilizing Brightfield Microscopy (cultured)
	Bulk - Culturable	SOP Q-00040	In House: Determination of Fungal Concentration in Bulk and Surface Samples Utilizing Brightfield Microscopy (cultured)
	Surface - Culturable	SOP Q00040	In House: Determination of Fungal Concentrations in Bulk and Surface Samples Utilizing Brightfield Microscopy (cultured)
	Air - Direct Examination	SOP Q-00037	ASTM D7391-09 (Modified): Determination of Fungal Concentrations in Airborne Samples Utilizing Brightfield Microscopy (noncultured)
	Bulk - Direct Examination	SOP Q-00038	In House: Determination of Fungal Particulates in Bulk and Surface Samples Utilizing Brightfield Microscopy (noncultured)
	Surface - Direct Examination	SOP Q-00038	In House: Determination of Fungal Particulates in Bulk and Surface Samples Utilizing Brightfield Microscopy (noncultured)

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