



**Accredited Environmental Technologies, Inc.**

**LIMITED MOLD ASSESSMENT**

**MARS AREA SCHOOL DISTRICT  
HIGH SCHOOL  
(Students– 9<sup>th</sup> Through 12<sup>th</sup> Grade)**

**Conducted by: Accredited Environmental Technologies, Inc.  
Lou Pergola, Vice President**

**Report Reviewed by: Alan Sutherland, CIH Ret.  
President**

**Management Contact: Frank Randza**

**Location: Mars Area High School  
549 Route 228  
Mars, Pennsylvania**

**AET Project No.: 10-18-PGH146HIGH**

**Date of Report: December 12, 2018**

**BRANCH OFFICES**

BRIDGEWATER, NJ  
LECANTO, FL

**CORPORATE OFFICE**

28 N. Pennell Rd., Media, PA 19063  
1-800-9696-AET / (610) 891-0114  
FAX (610) 891-0559  
[www.aetinc.biz](http://www.aetinc.biz)

**SERVICE OFFICES**

PITTSBURGH, PA  
WILMINGTON, NC

# Accredited Environmental Technologies, Inc.

## EXECUTIVE SUMMARY

---

In September 2018, Accredited Environmental Technologies, Inc. (AET) was contracted by Mars Area School District to perform a Limited Mold Assessment within 5 schools comprising the Mars Area School District. Services were performed in accordance with AET's Proposal #10147 dated 9/27/18 to obtain/document background site information on each school for evidence of dampness, visible mold growth, musty/mold-like odors, temperature and relative humidity conditions and potential impact to school indoor air quality from airborne mold spores. AET's proposal is deemed limited as the client has requested only 5 Mold Spore Air Quality (MSAQ) samples and 5 surface (tape lift) samples to be collected during this assessment. AET's mold assessment is not related to previous or current water infiltration episode(s) or specific occupant mold-related complaints or health concerns.

This report details AET's limited mold assessment completed at Mars Area High School performed on 11/30/18. AET's on-site services were initiated prior to school opening hours and extended into student occupancy hours. Visual inspection of readily observable exposed/accessible walls, floors and ceilings throughout the High School was performed for water impact/staining or suspect mold growth. Building HVAC operation was representative of standard school conditions. Ambient conditions during the limited mold assessment included partial cloudy conditions with an outdoor temperature of 34-39°F and a relative humidity of 35-43%.

### **AET's 11/30/18 limited mold assessment findings include:**

1. **Odors:** No musty/mold-like odors were noted throughout the school. No specific mold-related odor complaints were reported to AET.
2. **Visual Inspection:** Evidence of prior (now dry) and active (wet) water staining was noted on the drop ceiling tiles in multiple locations throughout the school. No water staining was noted on wall surfaces; flooring was primarily floor tile with limited carpeting (no water pooling, wet conditions). A significant quantity of ceiling tiles were observed stained from water impact and/or bowed from elevated humidity conditions. A room by room summary listing AET's findings are attached.
3. **Concealed Materials Above Drop Ceiling:** Representative ceiling locations exhibiting staining were visually inspected to review the cause of water infiltration (water leak). A significant concentration of stained ceiling tiles in Rooms 223 and 225 (almost the entire ceiling area) which requires immediate further investigation for water leak.
4. **ASHRAE IAQ Comfort Parameters (Temperature and Relative Humidity):** Temperature and relative humidity levels were measured at various locations throughout the school. Indoor measurements were compared to the thermal comfort recommended guidelines by OSHA and ANSI/ASHRAE 55. Overall temperature ranged from 67°F to 73°F. Relative humidity ranged from 24% to 32%. Temperature and relative humidity levels were within recommended ASHRAE Guidelines. Summary of temperature and relative humidity measurements within the Subject Areas and outdoors is shown in Table below.

Note: Relative humidity levels below 10-15% can result in eye irritation (particularly for individuals wearing contact lens) as well as drying and irritation of the sinuses and throat. Relative humidity levels above 60% can promote mold growth.

# Accredited Environmental Technologies, Inc.

IAQ Comfort Parameter Measurements (11/30/18)		
Location	Temperature	Relative Humidity
Outdoors: Adjacent to Entry 3-2	39.4°F	43%
Adjacent to Room 138 Entry Hallway	68.1°F	32%
1 <sup>st</sup> floor Bottom of Stair C	67.4°F	32%
Hallway, Adjacent to Room 108	70.3°F	28.2%
Hallway, Adjacent to Room 204	71.6°F	28.4%
Hallway, Adjacent to Room 239	73.3°F	24%
Outdoors: Adjacent to Entry 3-4	34°F	35%

5. **Surface Mold Growth:** Tape lift samples were collected on visually identified water stained ceiling tiles (suspect mold growth). Detectable mold spores were found on one of the 5 samples collected (See table below). All representative stains evaluated did not identify active mold growth.

Surface Mold Sampling Predominate Identified Fungal Group (11/30/18)				
Location(s) Stained Ceiling Tiles	Fungal Group/Spore Loading			
	Aspergillus/ Penicillium	Basidiospores	Cladosporium	Hyphae*
Tape Lift: Custodial 1-6, Adjacent to Diffuser	ND	ND	ND	ND
Tape Lift: Adjacent to Room 109 Entry	ND	ND	ND	ND
Tape Lift: Above Locker 2158	ND	ND	ND	ND
Tape Lift; Above Locker 6121 Adjacent to Speaker	ND	1+	ND	ND
Tape Lift: Room 225 Above Fume Hoods	ND	ND	ND	ND

\*Non-spore type typically indicative of mold growth at  $\geq 2+$

6. **Mold Spore Air Quality (MSAQ) Testing:** MSAQ testing was performed five (5) representative interior school locations and compared to outdoors. Total interior mold spore concentrations were below 2000 S/m<sup>3</sup> (acceptable). However, a minor amplification of airborne Aspergillus/Penicillium mold spores was identified in the hallway adjacent to Room 239. (Requires further investigation). See Attached Standard Section. Total mold spore concentrations are summarized below.

Total Airborne Mold Spore Concentrations (11/30/18)					
Sample#	Location	Total Concentration	Specific Mold Genus		
			Basidiospores	Cladosporium	Aspergillus/ Penicillium
26898164	Outdoors: Adjacent to Exit 3-2	853 S/m <sup>3</sup>	373 S/m <sup>3</sup>	53 S/m <sup>3</sup>	ND
26898165	Outdoors: Adjacent to Exit 3-4	587 S/m <sup>3</sup>	213 S/m <sup>3</sup>	107 S/m <sup>3</sup>	267 S/m <sup>3</sup>
26898180	Adjacent Room 138 Entry Hallway	267 S/m <sup>3</sup>	267 S/m <sup>3</sup>	ND	ND
26898168	1 <sup>st</sup> Floor Bottom of Stair C	853 S/m <sup>3</sup>	800 S/m <sup>3</sup>	ND	53 S/m <sup>3</sup>
26898138	Hallway Adjacent Room 108	373 S/m <sup>3</sup>	320 S/m <sup>3</sup>	53 S/m <sup>3</sup>	ND
26898145	Hallway Adjacent Room 204	319 S/m <sup>3</sup>	213 S/m <sup>3</sup>	53 S/m <sup>3</sup>	53 S/m <sup>3</sup>
26898166	Hallway Adjacent to Room 239	1,333 S/m <sup>3</sup>	587 S/m <sup>3</sup>	ND	533 S/m <sup>3</sup>

## Accredited Environmental Technologies, Inc.

**Conclusion** – Evidence of prior water impact to the drop ceiling system was identified throughout the school. Building maintenance continues to initiate a program for the removal/replacement of stained ceiling tiles and repair of water leak sources above the drop ceiling system. No significant impact to indoor air quality at the school was noted related to mold. However, a significant quantity of ceiling tiles were identified with water staining or bowed conditions. AET recommends that rooms exhibiting areas of active water leaks be further investigation including post remediation validation testing following completion of remediation activities.

*This executive summary does not contain all of the information that is detailed in the full report. The report should be read in its entirety, including any tabular findings and appendices to obtain a more complete understanding of the information provided, and to aid in any decisions made, or actions taken, based on this information.*

# Accredited Environmental Technologies, Inc.

## STANDARDS

There are no Federal (OSHA/EPA) or Commonwealth of Pennsylvania regulatory standards for mold. Mold in both the residential and occupational settings do not comprise a single entity but generally a complex mixture of many different fungi, bacteria, etc. Human response can vary significantly based on wide variations in individual susceptibility. Health effects information regarding mold is generally insufficient to describe exposure-response relationships. The prudent approach for mold within buildings is to repair sources of water infiltration or elevated humidity and remediate areas of mold growth and maintain airborne mold spore levels as low as can be reasonably achieved. All allergy or medical related questions and concerns, including health concerns related to possible mold exposure, should be directed to a qualified physician.

Standards of care (recommended guidelines) have been developed and published by OSHA, EPA, American Conference of Governmental Industrial Hygienists (ACGIH), and the National Organization of Remediators and Mold Inspectors (NORMI) pertaining to mold assessments, controls, remediation, prevention, work practices, and post remediation validation in the indoor environment. The ACGIH recommended approach to assessing and controlling mold exposures relies on visual inspection, assessing occupant symptoms, evaluating building performance, monitoring potential environmental sources and application of professional judgement. Standard industry practice for MSAQ compares airborne mold concentrations in the area(s) of concern to outdoor levels as well as indoor non-concern or comparative locations. Both the total airborne mold spore levels and specific mold species in each sample is reviewed on a comparative basis. Surface staining or suspect mold growth is evaluated by bulk, swab or tape lift sampling.

NORMI standard of care for interpretation of sampling data for mold assessments is listed below. These standard industry practices have been incorporated into AET's services described herein.

NORMI Standard of Care Guidelines for Mold Assessment Samples			
Sample Type	Result /m <sup>3</sup>	NORMI Interpretation	Notes
Airborne Mold Spore (non-viable)	Total Spore Count	<2000 Normal	Other molds may be found that have significance in some environments such as Cladosporium, which can be found as indoor sources and can be prevalent outdoors.
	Aspergillus/Penicillium	<200 Normal	
	Target Molds (Stachybotrys, Chaetomium, Trichoderma, Fusarium, Memnoniella)	No Target Molds	
Surface Mold by Tape or Swab (non-viable)	1-10 spores (~1+)	Rare	Normal
	11-100 spores (~2+)	Low	Caution
	101-1000 spores (~3+/4+)	Medium	Contamination Probable
	>1000 spores (~5+)	High	High Contamination

Please consult with the EPA document Mold Remediation in Schools and Commercial Buildings for information regarding prevention, investigating, evaluating, and remediation of mold problems.

Resource information/guidance/interpretation of mold testing results can be found at the following websites.

- [www.cdc.gov](http://www.cdc.gov)
- [www.oiha.org](http://www.oiha.org)
- [www.osha.gov](http://www.osha.gov)
- [www.epa.gov](http://www.epa.gov)

# Accredited Environmental Technologies, Inc.

## RESTRICTIONS/LIMITATIONS OF SERVICES

**Visual Inspection:** AET's findings and conclusions are based on the conditions present (both outdoors and inside accessible interior areas of the designated building areas) during AET's time on-site (snapshot in time). Visual inspection was performed on readily observable, exposed/accessible (within view) interior building materials present at the time of inspection and within the areas/locations cited. Intrusive inspection within wall cavities, HVAC systems, limited ceiling plenums and/or similar concealed locations was not performed. Further, review/inspection of building contents, furnishings and personal belongings was not included in AET's services. Accessible is defined as readily reachable with a 6' ladder; OSHA's Construction Standard requires fall protection at heights above 6 feet above the lower level (typical maximum reachable height 9 feet).

AET's mold assessment services are based on standard industry practice for inspection and sampling protocols exhibited by the members of the mold consulting profession. There are no federal (OSHA or EPA) standards (only guidelines) for mold investigation, evaluation and remediation. AET's mold professional decision-making is based on inspection of building materials for visible mold growth, signs of water damage, a history indicating previous water leaks and/or elevated humidity levels or condensation. Indoor mold needs moisture to grow. Mold growth will occur if favorable conditions exist; amplification will continue until the underlying source(s) are eliminated and remediation performed. Where moisture intrusion has occurred, drying is an essential component of moisture remediation. Continuous surveillance of walls, floors and ceilings for water damage/staining and signs of mold amplification is recommended.

AET was not contracted to identify or rectify sources of water infiltration (such as subsurface, window, roof, or plumbing leaks). AET's policy is to identify mold-impacted building materials and affected building locations which require mold remediation; not identify specific quantities. Mold remediation (removal, cleaning, drying) requires progressive visual inspections and moisture testing during remediation. Standard practice is to remove affected building materials including a 2 to 3-foot buffer area surrounding the impacted building materials. Without complete removal of mold colonization, as well as repair of moisture sources, mold will grow back. AET recommends mold remediation work be performed by a licensed mold remediation contractor; contact AET's project manager for specific guidelines and assistance (where required).

The purpose of AET's mold assessment was not to determine if water infiltration has resulted in structural damage to the integrity of the roof, walls, ceilings or foundation at the site. This is an engineering function which must be completed by appropriate engineering professionals.

**Mold Spore Air Quality Sampling:** MSAQ is a standard practice of AET's mold assessment decision-making. MSAQ results compare indoor airborne mold spore levels versus outdoors and area(s) of concern versus non-complaint (see NORMI Interpretation Guidelines in Standards Section). The purpose of MSAQ is to supplement AET's visual inspection findings (particularly in regard to potential concealed moisture damage or mold growth) including recent disturbance of these materials.

MSAQ results must include professional knowledge and judgement that significant variability of MSAQ levels can occur over the course of an hour or less. MSAQ may be representative of typical conditions but may miss evidence of problems that occur only infrequently. MSAQ cannot be used to prove the absence of a problem nor the basis of dismissing a complaint or defending inadequate efforts for continuing investigations or solving potential mold problems.

**Health Concerns:** The purpose of MSAQ sampling was not to correlate building conditions and sampling data for comparison to potential health effects. The CDC, EPA and OSHA agree that living or working in a building with mold damage can result in increased risk of respiratory disease. However, each person's response to mold exposure is unique; individual susceptibility can range from no reaction to allergic or irritation responses to flu-like symptoms. In very rare cases, fungal infections may occur. The wide variability in how people are affected by airborne mold is one of the reasons why there are no airborne exposure standards for mold. According to the

# Accredited Environmental Technologies, Inc.

ACGIH, a minimum of 36 samples are necessary for comparative purposes in worst case scenarios when determination of health effects is required. AET recommends the use of a qualified occupational physician where health effects have been reported by building occupants.

**Warranty:** AET's services were performed in a manner consistent with the level of skill and standard industry practices exhibited by members of the mold consulting profession. No other representations or warranties, expressed or implied, are included in connection with this report due to the restrictions/limitations detailed herein. AET's services were performed in accordance with the project intent identified in AET's proposal and subject to AET's terms and conditions dated April 2018. AET's findings/conclusions are not intended to be all inclusive; conditions which were not permitted, were undocumented, not observed or otherwise concealed on the subject property could exist (which may result in a modification of our conclusions or recommendations presented). The conclusion portion of this report is not intended to identify all areas of the structure which may have exposed or concealed mold contamination. Further, mold contamination is only one of the many IAQ sources which can exist at the site (investigation of which is not part of AET's scope of services). Liability on the part of AET is limited to the monetary value paid for this report.

If you have any questions or require additional information, please do not hesitate to contact our office.

Thank you for the opportunity to be of service.

Sincerely,



Alan J. Sutherland, CIH Ret.  
President

# Accredited Environmental Technologies, Inc.

## MARS AREA HIGH SCHOOL

### LIMITED MOLD ASSESSMENT (11/30/18)

#### AET PROJECT #: 10-18-PGH146HIGH

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
121	67.4	23.9	N	N	N	N	N	N	Water tank in classroom, Bowed ceiling tile
122 Lab	68	26	N	N	N	N	N	N	Stained Ceiling Tile
123	69.2	26.2	N	N	N	N	N	N	Stained Ceiling Tile Above Teacher Desk
122 Storage	69.9	26.2	N	N	N	Y	N	N	Ceiling tile stain, adj. to entry, bowed ceiling tile
124	72.5	26.1	N	N	N	Y	N	N	Ceiling tile stain, adj. to entry, bowed ceiling tile, carpeted
125	71	24.2	N	N	Y	Y	N	N	Deteriorated floor tile center of room, ceiling tile stains, front of room, pipe insulation spots above Ceiling tile adjacent to entry
126 Lab	71.9	25.7	N	N	N	N	N	N	Ceiling tile very bowed
126 Storage	70.8	26.2	N	N	N	N	N	N	Bowed ceiling tile
127	71.4	26.3	N	N	N	N	N	N	Bowed ceiling tile
Faculty Work Area	69.6	24.7	N	N	N	Y	N	N	Ceiling tile stain above Computer/Paper Cutter
Faculty Work Rm Men's Bath	69.4	25.8	N	N	N	Y	N	N	Ceiling tile stain above toilet
Faculty Work Rm Women's Bath	69.4	24.5	N	N	N	Y	N	N	Ceiling tile stain above toilet
Custodial 1C	70.7	28.1	N	N	Y	Y	Y	N	Floor Tile near slop sink, Deteriorated/Multiple ceiling stains
Women's Bathroom	71.1	23.4	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Men's Bathroom	70.9	24.5	N	N	N	N	N	N	No Stained Ceiling Tiles observed
130	71.9	19.8	N	N	N	N	N	N	Bowed ceiling tile, ceiling tile stain between windows
131	71	24.9	N	N	N	Y	N	N	Ceiling tile stain, center of room above teachers desk
131 Storage	70.1	26.2	N	N	N	Y	N	N	Ceiling tile stain, center of room, bowed ceiling tile
131 Kiln Rm	70.3	26	N	N	N	Y	N	N	Ceiling tile stain behind kiln



# Accredited Environmental Technologies, Inc.

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
				131 Paint/***	69.4	25.9			
131-133 Office	69.6	26.7	N	N	N	N	N	No Stained Ceiling Tiles observed	
133	69.6	26.1	N	N	N	N	N	Bowed ceiling tile	
132	72.3	17.5	N	N	N	N	N	Bowed ceiling tile	
134	71.7	17	N	N	N	N	N	Bowed ceiling tile	
135	70.1	19	N	N	N	Y	N	Ceiling tile Stain Adj. to Light/Projector Screen, Bowed ceiling tile	
136	71.1	24.4	N	N	N	N	N	Slight Bowed ceiling tile	
137	71.2	20	N	N	N	Y	N	Ceiling tile Stains Between Windows, Water possibly from Exterior, Ceiling tile Stains Along Center front to Back	
138	71.9	21.2	N	N	N	N	N	Y	Slightly Bowed ceiling tile
139	70.1	23.4	N	N	N	Y	N	N	Ceiling tile Stains Along Center front to Back
140	72.1	28.6	N	N	N	N	N	N	Bowed ceiling tile
141	70.4	20.1	N	N	N	N	N	N	Bowed ceiling tile
141 Storage	73.2	20.4	N	N	N	N	N	N	Bowed ceiling tile
IT Room	No Access								
Electrical 1E	75	19.4	N	N	N	Y	N	N	
143	71.4	18.6	N	N	N	N	N	N	18 inch Ceiling tile stain, center of room, Possible Roof leak, No Adjacent Water lines
143 Bath	71.4	20	N	N	N	Y	N	N	No Stained Ceiling Tiles observed
151	72.6	20.9	N	N	N	Y	N	N	Multiple large Ceiling tile Stains, Teachers Desk, No Adjacent Water Line, Roof Leak Possible
151 Storage	69.9	20.4	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Custodial 1-10	74.1	28.1	N	N	N	Y	N	N	2 large Ceiling tile stains, Stains on Pipe Insulation
Hall Entry Adj. 143	70.4	19.7	N	N	N	Y	N	N	Multiple Ceiling tile Stains, No access Above Tiles
Men's Bath	72.4	19.8	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Women's Bath	71.2	19	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Library Office	70.4	19.2	N	N	N	Y	N	N	Carpeted, 6 inch stain Adjacent to Front Desk
Library	69.2	19.5	N	N	N	N	N	N	Carpeted
Custodial 1G	71.4	21.2	N	N	N	N	N	N	No Stained Ceiling Tiles observed
153	71.9	19.5	N	N	N	Y	N	N	18 inch Ceiling tile Stain, Center Room, Water Marks on Adj. Duct work Condensation
Storage 1E	65	18.5	N	N	N	N	N	N	No Stained Ceiling Tiles observed

# Accredited Environmental Technologies, Inc.

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
				Generator Rm	72.4	18.2			
152	72.3	19.4	N	N	N	N	N	Stains on Pipe Insulation Throughout	
150	72.8	16	N	N	N	N	N	Multiple Large Stains, Center Room in Line from Left to Right	
Custodial 1F	69.8	16.2	N	N	N	N	N	Stains on Pipe Insulation throughout	
IT Dept 2	73	16.5	N	N	Y	Y	N	N	Multiple large Ceiling tile Stains, Wrapped insulation, Adj. to Stains, Stains on Floor Tile
IT Dept 1	70	18	N	N	N	N	N	N	Stains along Perimeter of diffuser, Bowed ceiling tiles
IT Dept 1 Men's Dressing Rm	71.2	18.5	N	N	N	Y	N	N	6 inch Stain above Entry, Adj. to Ductwork
IT Dept 1 Women's Dressing Rm	70.2	19.6	N	N	N	Y	N	N	No Stained Ceiling Tiles observed
90	71.2	19.9	N	N	N	N	N	N	6 inch Stain above Divider Wall
110	70.5	22.7	N	N	Y	N	N	N	8 inch Stain above Window Adjacent to Teachers Desk
111	71.7	23.8	N	N	N	N	N	N	
Custodial 1B	73	30.2	N	N	N	Y	N	N	Deteriorating Floor Tile Adj. to Slop Sink
Electric 10	73.9	26.1	N	N	N	N	N	N	Stains on Pipe Insulation (B/I)
108	71.4	22	N	N	N	N	N	Y	6 inch stain Ceiling tile, Adj. to Teachers Desk, Bowed ceiling tile
Hallway Right of Entry	72.5	21.6	N	N	N	N	N	Y	6 inch stain Ceiling tile, Adj. insulated piping
106	70.5	22	N	N	N	N	N	N	Bowed ceiling tile
109	71.7	20	N	N	N	N	Y	N	Multiple Ceiling tile Stains Throughout, A
104	70.8	19.8	N	N	N	N	N	N	Bowed ceiling tile
107	70.5	21.7	N	N	N	Y	N	N	8 inch Stain Adjacent Rear Wall & Windows, Adj. water lines, Ceiling tile Stain, 10 inch Center Room
102	70.5	23.3	N	N	N	Y	N	N	12 inch stain above whiteboards, open pipe directly above 8" ceiling tiles stains above Teachers Desk
102 Office	71.2	24.5	N	N	N	N	N	N	No Stained Ceiling Tiles observed
105	71.7	22	N	N	N	N	N	N	Multiple small stains, center of room & back window possible roof leak
100	71	23	N	N	N	N	N	N	6 inch ceiling tile stain above chalkboard.

# Accredited Environmental Technologies, Inc.

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
				103	70.5	21.8			
Boys Bath	70.7	21.7	N	N	N	N	N	No Stained Ceiling Tiles observed	
Girls Bath	71.4	21	N	N	N	N	N	No Stained Ceiling Tiles observed	
Custodial 1A	71.7	22.8	N	N	N	N	N	No Stained Ceiling Tiles observed	
101	70.8	20.7	N	N	N	Y	N	6 inch ceiling tile stain, adjacent to teachers desk windows	
Faculty Mail Rm	71.6	21.9	N	N	N	Y	N	8 inch ceiling tile stain adjacent to diffuser, pipe with insulation stain directly above ceiling tile stain	
High School Main Office	69.2	23.7	N	N	N	N	N	All offices/bathrooms had no stains/odors	
Electric 1B	70.5	22.1	N	N	N	N	N	A lot of dust buildup on ceiling tile	
Guidance Office	71.6	21.3	N	N	N	N	N	Dust buildup on ceiling tile	
Nurse Office	71.2	22.5	N	N	N	N	N	6 inch stain above examination table in exam room, pipe insulation with stain directly above	
Electric Rm 1B	72.8	26.1	N	N	N	Y	N	8 inch stained ceiling tile, adjacent to breakers, stain directly below duct work	
Cafeteria	69.9	22.3	N	N	N	Y	N	2 foot stain, ceiling tile, adjacent vending machines/radiators	
Kitchen	67.8	24.3	N	N	N	Y	N	2 four inch ceiling tiles stains, center, fresh air intake directly above	
Faculty Work Rm Across From Gym	71.7	26.3	N	N	N	Y	N	Multiple stains, northwest radiator, 1 from valve leak, others possible roof leaks	
Security Office	72.8	20.9	N	N	N	Y	N	4 inch ceiling tile stain adjacent to center column/secondary corner directly below pipe fitting in serving room	
Air Handler Rm	73.8	24.4	N	N	N	N	N	All connected rooms/bathrooms no stains/odors	
LGI	70.2	19.1	N	N	N	N	N	No Stained Ceiling Tiles observed	
LGI Storage/Wrestling	70.1	18.4	N	N	N	N	N	No Stained Ceiling Tiles observed	
Hallway between 160 and 162	72.3	18.6	N	N	N	Y	N	Multiple ceiling tile stains	
160	71.9	20.1	N	N	N	N	N	Dust buildup on ceiling tile	
Music Literacy	73.2	19.5	N	N	N	N	N	No Stained Ceiling Tiles observed	

# Accredited Environmental Technologies, Inc.

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
				161	70.1	18.9			
161 Storage	70.2	19.2	N	N	N	N	N	No Stained Ceiling Tiles observed	
162 Band	70.6	20.5	N	N	N	N	N	All connected rooms no ceiling tile stains/odors	
Main Gym	72.1	19.6	N	N	N	Y	N	N	Stains on ceiling, east side of gym above main trunk 8 inch stain on ceiling plaster adj to Gym #2 Entry
Gym 2	71.7	18.1	N	N	N	Y	N	N	No Stained Ceiling Tiles observed
Hallway Adj. Main Gym	72.5	18	N	N	N	Y	N	N	12 inch ceiling tile stain, across from multiple pipes with stained insulation above
Men's Faculty Bath	73.7	17.5	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Women's Faculty Bath	72.4	15.2	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Electric 2B	69.6	22.4	N	N	N	Y	N	N	8 inch stain adjacent o conduit feed, ductwork above
Book Storage 28	70	23.7	N	N	N	N	N	N	No Stained Ceiling Tiles observed
241	71	18.2	N	N	N	N	N	N	No Stained Ceiling Tiles observed
239	70.4	18.5	N	N	N	N	N	Y	No Stained Ceiling Tiles observed
240	71.6	22.3	N	N	N	Y	N	N	8 inch ceiling tile stain, above front cabinets, no pipe above stain, potential condensation or roof leak
237	71.5	19.5	N	N	N	Y	N	N	15 inch ceiling tile stain above projector screen
238	70.2	20.3	N	N	N	Y	N	N	Multiple ceiling tile stains, adjacent projector, no water lines above stains, rust on ceiling beams
235	71.4	20.6	N	N	N	Y	N	N	5 inch ceiling tile stain above storage room window, ductwork with broken seal above. Condensation markings
236	71	21.9	N	N	N	Y	N	N	8 inch stain ceiling tile, center of storage room, condensation marks/sprinkler line above
234	69.9	19.2	N	N	N	N	N	N	No Stained Ceiling Tiles observed
233	70.1	19.8	N	N	N	Y	N	N	2 foot ceiling tile stain adjacent to fume hood, no water lines above, 3 three inch stains adjacent to storage room back window, fittings above
Girls Locker Rm	70.5	21.6	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Athletic Director Office	72	21.4	N	N	N	Y	N	N	Deteriorating floor tile, no access to Coach Office
Trainers Rm	74	18.9	N	N	N	N	N	N	No Stained Ceiling Tiles observed

## Accredited Environmental Technologies, Inc.

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
				Custodians Adj Trainers	73	18.9			
Gym Storage Adj Trainers	72	19.7	N	N	N	N	N	No Stained Ceiling Tiles observed	
Boys Team Rm	73	17.2	N	N	N	Y	N	N	Shower area ceiling mold throughout
Instructors Office	74	17.2	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Coach's Office	71.1	17.5	N	N	N	N	N	N	Dirt buildup on ceiling tile
Coach Office Storage	70.4	17.7	N	N	N	N	N	N	Stain on pipe insulation adj to ductwork
Boys Locker Rm	70	16.8	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Girls Team Rm	72.1	17.6	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Lower Level Storage Adj. Weight Rm	73.2	21.7	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Weight Rm	72.1	30	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Weight Rm Locker Rm	74	35	N	N	N	N	N	N	Deteriorated caulking on floors in showers
Faculty Bath Rm 12	72	24	N	N	N	Y	N	N	No Stained Ceiling Tiles observed
12	70.	19.2	N	N	N	Y	N	N	3 eight inch stains ceiling tile between windows/whiteboard pipe fittings directly above
013 Storage	69.8	19.3	N	N	N	N	N	N	4 inch stain above breaker, missing tiles with ductwork and valves directly above
011	70.7	20.3	N	N	N	Y	N	N	3 inch stain front right corner fitting, directly above
Pool Mechanical	71.6	23.2	N	N	N	Y	N	N	Slight stains on pipe insulation throughout
005 Boiler	71.9	16.2	N	N	N	N	N	N	Large stains throughout room ceiling tile, valves & fittings
Hallway A127/A40 Lockers	72	19.3	N	N	N	Y	N	N	2 small ceiling tile stains, pipe fittings directly above
021 Storage	72	20.8	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Women's Rm	72	22.7	N	N	N	Y	N	N	Multiple large stains, ceiling tile, large stall area, fittings & supply pipes above

# Accredited Environmental Technologies, Inc.

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
				Men's Bath	72.8	23			
Hallway	71.4	23.4	N	N	N	Y	N	N	Valves & pipes above, 2 three inch stains
004 Janitor	72.3	21.1	N	N	N	N	N	N	No Stained Ceiling Tiles observed
003 Storage	71.6	22.2	N	N	N	N	N	N	No Stained Ceiling Tiles observed
002 Elevator Rm	72.3	22.8	N	N	N	N	N	N	No Stained Ceiling Tiles observed
025	71.7	17.2	N	N	N	Y	N	N	Bowed/cracking ceiling tile, 3 inch stains, adjacent to teachers desk, ductwork & fittings above
026	72.5	19.7	N	N	N	N	N	N	No Stained Ceiling Tiles observed
028	72.8	17.0	N	N	N	Y	N	N	Large ceiling tile stains, front left corner, possible roof leak. Small ceiling tile stains adjacent to column below ductwork & fittings
027	70.1	19.8	N	N	N	Y	N	N	3 four inch stains NW corner, valves above, multiple small stains above teachers desk/tv. Condensation marks on beams above
029	70.6	21.1	N	N	N	Y	N	N	6 inch stain above teachers desk area w/light condensation marks on beams above
030	71	20.5	N	N	N	Y	N	N	6 inch ceiling tile stain back right corner, fitting directly above 4 inch ceiling tile stain above sink, fittings above
031	71.3	21	N	N	N	N	N	N	Bowed ceiling tile
Men's Bath	69	21.5	N	N	N	Y	N	N	20 inch ceiling tile stain above small stall, condensation on ceiling beams above ceiling tile
Women's Bath	68.5	21.4	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Men's Bath	70.5	20.7	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Women's Bath	71.2	20.5	N	N	N	Y	N	N	8 inch stain above 2 <sup>nd</sup> stall from right. Possible condensation, 5 inch stain NW stall, fittings and ductwork above
Auditorium 170	70.4	20.5	N	N	N	N	N	N	Carpeted
177	72.1	18.1	N	N	N	N	N	N	No Stained Ceiling Tiles observed
178	71.6	18.7	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Hallway Adj. 177-180	70.7	18.2	N	N	N	Y	N	N	Multiple large stains, ceiling tile, some below fittings. Condensation marks above
179	70.8	19.2	N	N	N	Y	N	N	Multiple large stains above A/C unit, ductwork & fittings above

## Accredited Environmental Technologies, Inc.

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
				180	70.3	21			
181	70.5	18.2	N	N	N	Y	N	N	8 inch ceiling tile stain, adjacent center column, condensation marks above, 10 inch ceiling tile stain adjacent to sprinkler head/entry
Hallway Adj Storage Entry	72.3	20.6	N	N	N	Y	N	N	20 inch ceiling tile stain, visible roof leak above
Storage Adj. Entry 1-4	70.5	18.2	N	N	N	Y	N	N	Multiple ceiling tile stains, ductwork above
Stairwell Adj. 186 Corridor	70.8	17.7	N	N	N	Y	N	N	Multiple large ceiling tile stains along wall, possible roof leak
232	71.6	19.3	N	N	N	N	N	N	No Stained Ceiling Tiles observed
231	69.8	21.5	N	N	N	N	N	N	No Stained Ceiling Tiles observed
230	70.8	20.4	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Men's Bath Across from Room 230	72.5	21.3	N	N	N	Y	N	N	2 foot stain ceiling tile, above right sink, ductwork above
Women's Bath Across from Room 230	73	22.5	N	N	N	N	N	N	
Custodial 2B	71	21.7	N	N	N	Y	N	N	Deteriorated floor tile around slop sink
2 <sup>nd</sup> Floor Faculty Work Rm	72.3	19.3	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Electric 2A	69.5	25.4	N	N	N	Y	N	N	Missing ceiling tile, 2 feet ceiling tile stain adjacent to diffuser, ductwork above
Storage 2A	74.1	23.3	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Women' Bath	70.3	20.3	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Mens Bath	71.6	20.1	N	N	N	N	N	N	No Stained Ceiling Tiles observed
Custodial 2A	72.1	21	N	N	N	N	N	N	No Stained Ceiling Tiles observed
201	70.3	20.4	N	N	N	Y	N	N	2 inch ceiling tile stain above computer desks, condensation marks on beams, potential roof leak
200	71.4	20.4	N	N	N	N	N	N	Connected bathroom had no odors or stains

## Accredited Environmental Technologies, Inc.

RM	TEMP (°F)	RH (%)	ODORS (Y/N)	VISUAL OBSERVATION Staining/Discoloration (Y/N)			TAPE LIFT	MSAQ	COMMENTS/ RESPONSE ACTION
				Walls	Floor	Ceiling			
				203	72.1	19.9			
Faculty Work Area Adj. 203	70.8	23.6	N	N	N	N	N	N	Missing ceiling tile, condensation marks on metal above ceiling tile
205	70.7	21.2	N	N	N	N	N	N	No Stained Ceiling Tiles observed
202	72.5	21	N	N	N	N	N	N	No Stained Ceiling Tiles observed
207	73.5	19.4	N	N	N	Y	N	N	4 inch stain above white board, pipe fitting above
204	71.5	20.8	N	N	N	Y	N	Y	18 inch ceiling tile stain, east corner, no water lines above, potential roof leak
209	72.8	20.4	N	N	N	N	N	N	No Stained Ceiling Tiles observed
206	73	20.1	N	N	N	N	N	N	No Stained Ceiling Tiles observed
211	74.2	20.7	N	N	N	N	N	N	No Stained Ceiling Tiles observed
208	73.2	19.7	N	N	N	N	N	N	No Stained Ceiling Tiles observed
213	72.8	18.9	N	N	N	N	N	N	No Stained Ceiling Tiles observed
210	73.2	18.0	N	N	N	N	N	N	No Stained Ceiling Tiles observed
212	72.4	20.4	N	N	N	Y	N	N	3 inch ceiling tile stain, adjacent to whiteboard. Ductwork & roof opening above
Hallway Btwn Lockers 120 and 014	73.8	21.7	N	N	N	Y	N	N	2 foot ceiling tile stain adjacent to light water liens. No stain on pipe insulation, potential roof leak
221	74.1	21.3	N	N	N	N	N	N	No Stained Ceiling Tiles observed
223	73.4	21	N	N	N	Y	N	N	Multiple large ceiling tile stains throughout room, valves, fittings, roof leaks above
223 Storage	71.4	21.8	N	N	N	Y	N	N	Multiple large ceiling tile stains throughout room, ductwork, fittings, roof leaks above
225	72.3	20.8	N	N	N	Y	Y	N	Multiple large ceiling tile stains throughout room, roof leak above
220	73.5	20.5	N	N	N	Y	N	N	Multiple large ceiling tile stains along west wall, Ductwork above, valve leak above largest stain
222	71.5	19.8	N	N	N	Y	N	N	14 inch black ceiling tile stain, 10 foot west of projector. Ductwork directly above
227	73.2	19.5	N	N	N	Y	N	N	Multiple 8 inch ceiling tile stains throughout room, ductwork above
Custodial 1H	71.4	23.3	N	N	N	N	N	N	Stains on pipe insulation throughout



**Accredited Environmental Technologies, Inc.**

# Accredited Environmental Technologies, Inc.

## AIRBORNE FUNGAL SPORE ANALYSIS REPORT

CLIENT: MARS AREA SCHOOL DISTRICT

AET PROJECT #: 11-18-PGH146

LOCATION: MARS HIGH SCHOOL

MARS, PENNSYLVANIA 16046

DATE COLLECTED: 11/30/18

DATE ANALYZED: 12/4/18

FUNGAL SPORES BY OPTICAL MICROSCOPY									
Sample #	26398164			26898180			26898168		
Location	Outdoors Adjacent to Entry 3-2			Adjacent to Room 138 Entry Hallway			1 <sup>st</sup> Floor Bottom of Stair C		
Volume (Liters)	75			75			75		
<b>Non-Spore Loading</b>									
Background Debris	2+			3+			3+		
Hyphal Fragments	4+			4			ND		
Pollen	ND			ND			ND		
<b>Presumptive Spore Types</b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>
Alternaria	-	-	-	-	-	-	-	-	-
Arthrinium	-	-	-	-	-	-	-	-	-
Ascospores	12	50	427	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	20	45	267	-	-	-
Basidiospores	28	44	373	16	36	213	20	100	267
Bipolaris/Drechslera	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	4	6	53	8	18	107	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Fusicladium	-	-	-	-	-	-	-	-	-
Geotrichum	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium/Erysiphe	-	-	-	-	-	-	-	-	-
Pestilotia	-	-	-	-	-	-	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Rusts	-	-	-	-	-	-	-	-	-
Smuts/Periconia/Myxomycetes	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-
Tetraploa	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unknown/other	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Zygophiala	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNGAL SPORES</b>	<b>64</b>		<b>853</b>	<b>44</b>		<b>587</b>	<b>20</b>		<b>267</b>



Kelly Eckhart, Laboratory Analyst

Background Debris Rating Scale:

ND = None Detected, 1+ = Minimal, 2+ = Up to 25%, 3+ = >25% to 50%, 4+ = >50% to 75%, 5+ = >75%

# Accredited Environmental Technologies, Inc.

## AIRBORNE FUNGAL SPORE ANALYSIS REPORT

CLIENT: MARS AREA SCHOOL DISTRICT

AET PROJECT #: 11-18-PGH146

LOCATION: MARS HIGH SCHOOL

MARS, PENNSYLVANIA 16046

DATE COLLECTED: 11/30/18

DATE ANALYZED: 12/4/18

FUNGAL SPORES BY OPTICAL MICROSCOPY									
Sample #	26898138			26898145			26898166		
Location	Hallway Adjacent to Room 108			Hallway Adjacent to Room 204			Hallway Adjacent to Room 239		
Volume (Liters)	75			75			75		
<b>Non-Spore Loading</b>									
Background Debris	2+			3+			2+		
Hyphal Fragments	ND			ND			4		
Pollen	ND			ND			ND		
<b>Presumptive Spore Types</b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>
Alternaria	-	-	-	-	-	-	-	-	-
Arthrinium	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	4	6	53	-	-	-	4	17	53
Basidiospores	60	94	800	24	86	320	16	67	213
Bipolaris/Drechslera	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	4	14	53	4	17	53
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Fusicladium	-	-	-	-	-	-	-	-	-
Geotrichum	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium/Erysiphe	-	-	-	-	-	-	-	-	-
Pestilotia	-	-	-	-	-	-	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Rusts	-	-	-	-	-	-	-	-	-
Smuts/Periconia/Myxomycetes	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-
Tetraploa	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unknown/other	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Zygophiala	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNGAL SPORES</b>	<b>64</b>	<b>-</b>	<b>853</b>	<b>28</b>	<b>-</b>	<b>373</b>	<b>24</b>	<b>-</b>	<b>319</b>

  
Kelly Eckhart, Laboratory Analyst

Background Debris Rating Scale:

ND = None Detected, 1+ = Minimal, 2+ = Up to 25%, 3+ = >25% to 50%, 4+ = >50% to 75%, 5+ = >75%

# Accredited Environmental Technologies, Inc.

## AIRBORNE FUNGAL SPORE ANALYSIS REPORT

CLIENT: MARS AREA SCHOOL DISTRICT

AET PROJECT #: 11-18-PGH146

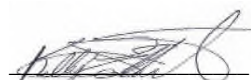
LOCATION: MARS HIGH SCHOOL

MARS, PENNSYLVANIA 16046

DATE COLLECTED: 11/30/18

DATE ANALYZED: 12/4/18

FUNGAL SPORES BY OPTICAL MICROSCOPY									
Sample #	26898165			-			-		
Location	Outdoors Adjacent to Entry 3-4			-			-		
Volume (Liters)	75			-			-		
<b>Non-Spore Loading</b>									
Background Debris	2+			-			-		
Hyphal Fragments	ND			-			-		
Pollen	ND			-			-		
<b>Presumptive Spore Types</b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>	<b>Count</b>	<b>%</b>	<b>S/m<sup>3</sup></b>
Alternaria	-	-	-	-	-	-	-	-	-
Arthrinium	-	-	-	-	-	-	-	-	-
Ascospores	16	16	213	-	-	-	-	-	-
Aspergillus/Penicillium	40	40	533	-	-	-	-	-	-
Basidiospores	44	44	587	-	-	-	-	-	-
Bipolaris/Drechslera	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Fusicladium	-	-	-	-	-	-	-	-	-
Geotrichum	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium/Erysiphe	-	-	-	-	-	-	-	-	-
Pestilotia	-	-	-	-	-	-	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Rusts	-	-	-	-	-	-	-	-	-
Smuts/Periconia/Myxomycetes	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-
Tetraploa	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unknown/other	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Zygophiala	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNGAL SPORES</b>	<b>100</b>	<b>-</b>	<b>1,333</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>



Kelly Eckhart, Laboratory Analyst

Background Debris Rating Scale:

ND = None Detected, 1+ = Minimal, 2+ = Up to 25%, 3+ = >25% to 50%, 4+ = >50% to 75%, 5+ = >75%

# Accredited Environmental Technologies, Inc.

## BULK/TAPE LIFT ANALYSIS MOLD REPORT

**CLIENT:** MARS AREA SCHOOL DISTRICT

**AET PROJECT #:** 10-18-PGH146

**LOCATION:** MARS AREA HIGH SCHOOL  
549 MARS ROAD  
MARS, PENNSYLVANIA

**DATE COLLECTED:** 11/30/18

**DATE ANALYZED:** 12/4/18

SAMPLE NO./ DESCRIPTION	GROSS SAMPLE APPEARANCE	PRESUMPTIVE STRUCTURE TYPE	LOADING
B1359787: Tape Lift Custodia 1-6 Adj.to Diffuser	N/A	ND	ND
	<b>Comments:</b> Moderate Background Loading		
B1359782: Tape Lift Adjacent to Room 109 Entry	N/A	ND	ND
	<b>Comments:</b> Moderate Background Loading		
B1360007: Tape Lift Above Locker 2158	N/A	ND	ND
	<b>Comments:</b> Heavy Background Loading		
B1360057: Tape Lift Above Locker 6121 Adj. to Speaker	N/A	Basidiospores	1+
	<b>Comments:</b> Moderate Background Loading		
B1359912: Tape Lift Room 225 Above Fume Hoods	N/A	ND	ND
	<b>Comments:</b> Light Background Loading		

Reviewed By:



\_\_\_\_\_  
Kelly Eckhart, Laboratory Analyst

Rating Scale:

Attachment

Feb 2012  
Version 1.8

ND = None Detected  
1+ Minimal Microbial Loading  
2+ Up to 25% Microbial Loading  
3+ 26% to 50% Microbial Loading  
4+ 51% to 75% Microbial Loading  
5+ >75% Microbial Loading