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Quarterly Microbial IAQ Assessment Report

Conducted At

Pembroke High School

**80 Learning Lane
Pembroke, Massachusetts**

November, 2024

Prepared For:

Ms. Erin Obey
Superintendent of Schools
Pembroke Public Schools
72 Pilgrim Road
Pembroke, MA 02339

Report Prepared By:

A handwritten signature in black ink that reads "Paul Matuszko".

Paul Matuszko, CIH
Paul Matuszko Environmental Consulting
79 Cedar Street
Walpole, MA 02081

Report Date:

November 26, 2024

PMEC Project #:

24-163.5



Paul Matuszko
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November 26, 2024

Ms. Erin Obey
Superintendent of Schools
Pembroke Public Schools
72 Pilgrim Road
Pembroke, MA 02339

RE: Quarterly Microbial (Mold) IAQ Sampling Report #1 for
Pembroke High School
80 Learning Lane, Pembroke, MA
PMEC Project #24-163.5

Dear Ms. Obey:

Paul Matuszko Environmental Consulting (**PMEC**) is pleased to submit the enclosed report for the quarterly microbial (mold) indoor air quality (IAQ) sampling conducted at Pembroke High School, 80 Learning Lane, Pembroke, Massachusetts. PMEC conducted the sampling within the school on November 14, 2024. Seven (7) total air samples were collected for microbial laboratory analysis.

This limited microbial assessment report has been prepared for the exclusive use of The Pembroke Public Schools.

Certification:

PMEC certifies that the results and findings provided herein for the Pembroke High School building have been reviewed for accuracy, content, regulatory compliance and quality of presentation.

Should you have any questions regarding this report, please do not hesitate to contact me at (617) 893-4476. Thank you for providing PMEC with the opportunity to provide our services to the Pembroke Public Schools for this project.

Respectively submitted;

Paul Matuszko, CIH, CIEC
Project Manager

CIH - Certified Industrial Hygienist (American Board of Industrial Hygiene #9236 CP)

CIEC - Certified Indoor Environmental Consultant (American Council for Accredited Certification #0610006)





TABLE OF CONTENTS

Section	Title	Page
1.0	Introduction.....	1
2.0	Scope of Work.....	1
3.0	Existing Conditions.....	1
4.0	Air Quality Measurements.....	2
5.0	Mold Sampling and Analysis Methods.....	2
6.0	Laboratory Analysis Results.....	3
7.0	Discussion of Analysis Results.....	3
8.0	Background Mold Information.....	4
9.0	Summary Conclusions.....	4
10.0	Limitations.....	4

Attachment A – Sampling Location Floor Plans (1 page)

Attachment B – Hayes Microbial Laboratory Analytical Results (pages 1-5)



**Quarterly Microbial IAQ
Sampling Report #1
For
Pembroke High School
80 Learning Lane
Pembroke, Massachusetts**

November, 2024

1.0 Introduction

- A. Paul Matuszko Environmental Consulting (**PMEC**) is pleased to submit this report for the quarterly microbial indoor air quality (IAQ) sampling assessment (#1) conducted at the Pembroke High School, 80 Learning Lane, Pembroke, Massachusetts. PMEC was retained by the Pembroke Public Schools to conduct the air sampling and general inspection for water and microbial growth within the representative areas of the school building. The microbial sampling was conducted by PMEC on the late afternoon of November 14, 2024. The air sampling was conducted to determine existing spore levels in compliance with the on-going School system IAQ program. A summary of the sampling locations and methods, analysis methods and results are outlined within the report.
- B. PMEC conducted the sampling without escort or assistance. Locations were selected which representative of the building. In general, a mix of classrooms on the perimeter and interior were sampled in each wing or section. Member(s) of the Pembroke Schools Teachers Union were offered to attend but were not present during PMEC's late afternoon sampling session. The sampling was conducted to determine existing airborne microbial spore levels in representative areas of each section or wing of the school building.
- C. During sampling, PMEC conducted a general visual inspection of representative room surfaces. Additionally, measurements baseline indoor temperature and humidity levels were collected. PMEC noted any areas or locations with atypical conditions. The following report summarizes the findings of the assessment, analysis results, and general recommendations.

2.0 Scope of Work

- A. The indoor air quality (IAQ) assessment was conducted in accordance with the following tasks:
 - 1. General inspection of the representative areas for visible water damaged materials and mold growth in the rooms being sampled.
 - 2. Conduct representative bioaerosol (microbial) spore trap air sampling for airborne mold (fungal) analysis in the areas sampled. Nine (9) interior and one (1) exterior/outdoor air samples were collected during the November 14, 2024 after school hours site visit (~4:30-6 pm).
 - 3. Prepare a detailed report detailing the findings of the assessment and sampling data.

3.0 Existing Conditions

- A. General Observations
 - 1. Classrooms horizontal surfaces were generally clean and free of accumulated dust and debris. Carpeting and ceiling tiles were generally clean and free of excessive water stains and debris.

2. Minor quantities of brown (water damaged) stained ceiling tiles and dust accumulation on ceiling vents were observed in the Science wing as previously documented. These ceiling tiles should be replaced and ceiling vents cleaned as required.

4.0 Air Quality Measurements

- A. A direct reading, thermohygrometer (Fluke Model 971) was used to collect representative temperature and relative humidity (ratio of water vapor in air) measurements. Recommended season levels per ASHRAE are:

- Temperature (Temp.): Recommended Winter Range: 63-72 °F
(degrees Fahrenheit °F) Recommended Summer: 68-78 °F
- Relative Humidity (RH%) Recommended Range: between 30%-60%;
(<50% goal)

- B. The measurement results on the assessment date are provided in Table 1 below:

Table 1 Baseline Air Quality Measurements			
Location	Temperature	Relative Humidity %	Comments
Classroom #A149	68.8 °F	24.9%	Slightly lower RH% level
Classroom #A173	72.5 °F	22.6%	Slightly lower RH% level
Classroom #A103	73.2 °F	20.4%	Slightly lower RH% level
Classroom #A232	71.2 °F	21.5%	Slightly lower RH% level
Classroom #A259	66.9 °F	24.8%	Cooler room, slightly lower RH% level
Classroom #A203	68.3 °F	23.4%	Cooler room, slightly lower RH% level
Classroom #B265	72.6 °F	22.3%	Slightly lower RH% level
Library (center)	70.4 °F	23.8%	Slightly lower RH% level
Band (music) classroom 193	72.6 °F	22.3%	Slightly lower RH% level
Outside ambient air (outside front entrance)	42.8°F	44.8%	Cool, clear, dry, evening (~6 pm) typical late fall day

- C. Discussion

1. Temperatures were typical for a school building during the late fall season. Relative humidity levels were within or slightly lower than recommended levels. However, this is typical of occupied buildings during a dry and cool late fall season day.

5.0 Mold Sampling and Analysis Methods

- A. PMEC collected “spore trap” air samples for mold spore analysis using air-o-cell® brand sampling cassettes. Nine (9) indoor samples and one (1) outdoor comparison sample were collected for analysis. A calibrated, battery operated Zefon IAQ 15 sampling pump was used to draw air onto the sample cassette’s adhesive slide. PMEC collected the samples at 15 liters of air per minute (LPM) for a five (5) minute sample duration for a total sample collection volume of 75 liters of air. The airborne aerosols (mold, particulates, pollen, etc.) are trapped on the filter media slide for direct microscopic examination.
- B. The samples were collected on November 14, 2024 at approximately ~4:30 pm – 6:00 pm. Ambient conditions were cool (~42° F), clear, and dry. Indoor conditions were typical of the season.

- C. The samples were sent via chain of custody by Fed Ex to Hayes Microbial Laboratory (Hayes), located in Midlothian, Virginia. Hayes Laboratory is accredited by the American Industrial Hygiene Association (AIHA) for mold and bacteria identification and analysis (AIHA EMPAT Laboratory Accreditation ID # 188863).
- D. Results are reported as Total Fungi Counts in spores per cubic meter of air (**C/m³**). The samples were analyzed for both non-viable and viable fungi by direct analysis optical microscopy. A summary of analysis criteria of spore trap and direct identification analysis is provided in the lab analysis sheets. The sample results are provided as Attachment B to this report.

6.0 Laboratory Analysis Results

- A. The results of the November 14, 2024 spore trap air sampling are presented in Table 2 below.

Table 2 Spore Trap Air Sample Analysis Results November 14, 2024 Quarterly IAQ Sampling Session #1				
Sample #	Sample Location	Total Fungi (C/m³)	Specific Species & levels of note	Comments
3911 3662 (01)	Science Classroom #A149	13 C/m ³	Ascospores – 13 C/m ³	Low and acceptable level
3911 3648 (02)	Classroom #173	53 C/m ³	Cladosporium – 40 C/m ³ Pithomyces – 13 C/m ³	Low and acceptable level
3911 3589 (03)	Classroom #A103	13 C/m ³	Ascospores – 13 C/m ³	Low and acceptable level
3911 3587 (04)	Classroom #A232	27 C/m ³	Ascospores – 27 C/m ³	Low and acceptable level
3911 3685 (05)	Classroom #A259	40 C/m ³	Ascospores – 27 C/m ³ Basidiospores – 13 C/m ³	Low and acceptable level
3911 3566 (06)	Classroom # A203	13 C/m ³	Ascospores – 13 C/m ³	Low and acceptable level
3911 3705 (07)	Classroom # B265	27 C/m ³	Ascospores – 27 C/m ³	Low and acceptable level
3911 3564 (08)	Library (middle)	13 C/m ³	Ascospores – 13 C/m ³	Low and acceptable level
3911 3644 (09)	Music (Band) Classroom #B193	26 C/m ³	Ascospores – 13 C/m ³ Myxomycetes – 13 C/m ³	Low and acceptable level
3911 3619 (10)	Outside ambient air (outside front entrance)	214 C/m ³	Ascospores – 67 C/m ³ Basidiospores – 27 C/m ³ Cladosporium – 93 C/m ³ Myxomycetes – 27 C/m ³	Typical fall season levels

Notes: - Additional information on species types are provided in the Laboratory Analysis results.
- C/m³ = spore counts per cubic meter of air
- Samples collected in middle or back middle of room unless noted
- Results in **Bold** = species or levels of concern.

7.0 Discussion of Analysis Results

- A. The analysis results for the November 14, 2024 sampling session indicate very low and acceptable indoor airborne spore levels. The species identified in the rooms sampled are typically found indoors at low levels and are not a cause for concern.

- B. The indoor sample species identified are similar to the species present on the outdoor ambient air sample analysis. No water damage indicator species were identified on each sample. The current airborne spore levels on the sampling date are not representative of an amplified airborne spore condition in the locations sampled.
- C. No aspergillus/penicillium species spores were identified on each of the indoor samples.

8.0 Background Mold Information

- A. Currently, there are no standards or regulations to indicate acceptable numerical levels of airborne fungal spores derived from indoor environments. Results are also assessed for specific target species that may induce allergic reactions. Specific species are reviewed for their known potential to cause allergic reactions or as an indicator of potential water damage and moisture issues. In general, indoor mold levels should be equivalent to or lower than outdoor levels or non-complaint areas with similar types and percentages of mold species. Please note that airborne mold spores are present in most indoor environments at low levels.
- B. There are no regulations for acceptable levels of mold in the indoor environment; therefore, exact numerical limits are not supported at this time. Specific fungal species of concern are recommended to have much lower levels in the indoor environment. Existing conditions and symptoms are unique to each season, building and occupant. Airborne mold spore levels may vary greatly by location, time of day and weather conditions. However, health impacts cannot be predicted based on this information; individuals experience varying levels of allergic and non-allergic response to mold. Controlling moisture, in each form, is critical to the prevention of indoor mold growth issues.

9.0 Summary Conclusions

- A. The November 14, 2024 laboratory analysis results indicate that the airborne mold spore levels in the locations sampled were low and acceptable.
- B. Relative humidity levels were slightly lower than recommended during the sampling period. However, this is typical for the seasonal day with dry conditions.
- C. PMEC did not identify any accessible, visible conditions that would directly impact IAQ.

10.0 Limitations

- A. The assessment provided herein is based on the professional judgment of PMEC using approved industry standards and guidelines. Not all areas of the school building were accessed for inspection during the representative general spore trap air sampling. Assessment findings are based on the investigator's careful consideration of field observations and interpretation of analysis results in accordance with industry standards, including, but not limited to, IICRC S520 guidelines for Condition 1 – normal fungal ecology, 2008 AIHA (Green Book) publication "Recognition, Evaluation, and Control of Indoor Mold", and the ACGIH 1999 book "Bioaerosols – Assessment and Control".
- B. The analysis results are only representative of the conditions of the date and time of sample collection and are considered a "snapshot in time". PMEC's results and discussion listed herein represent the conditions present at the time of inspection and sampling.

ATTACHMENTS

Attachment A – Sampling Floor Plan (2 pages)

Attachment B – Hayes Microbial – November 14, 2024 Sample Analysis Results (pages 1-7)

Attachment A

Sample Location Floor Plan

(Pages 1-2)

Attachment A – Sampling Floor Plan

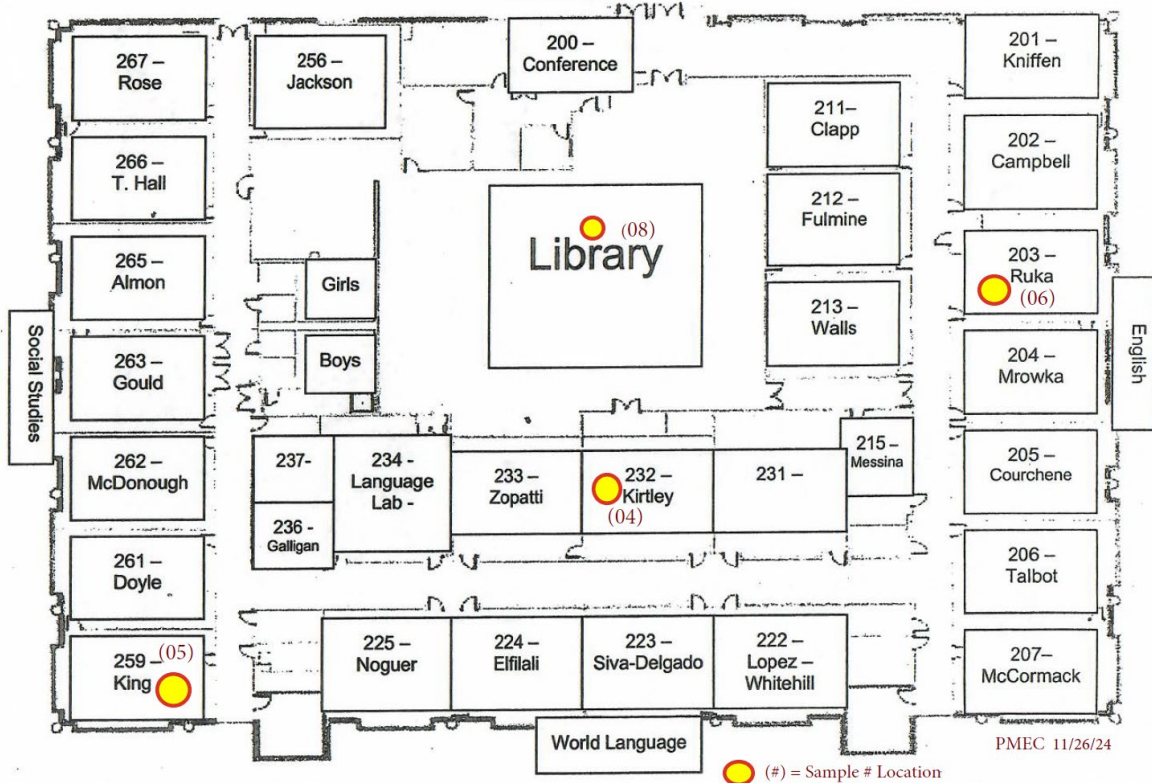
Atrium – First Floor

Pembroke High School
IAQ Microbial Sampling
November 14, 2024

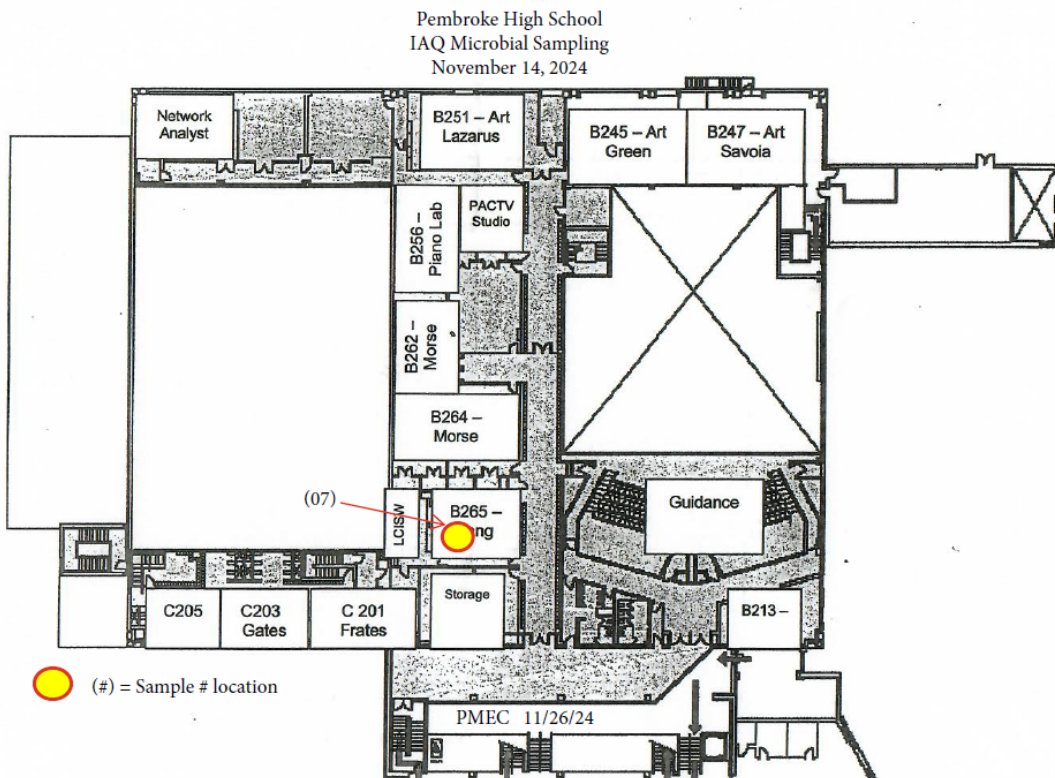
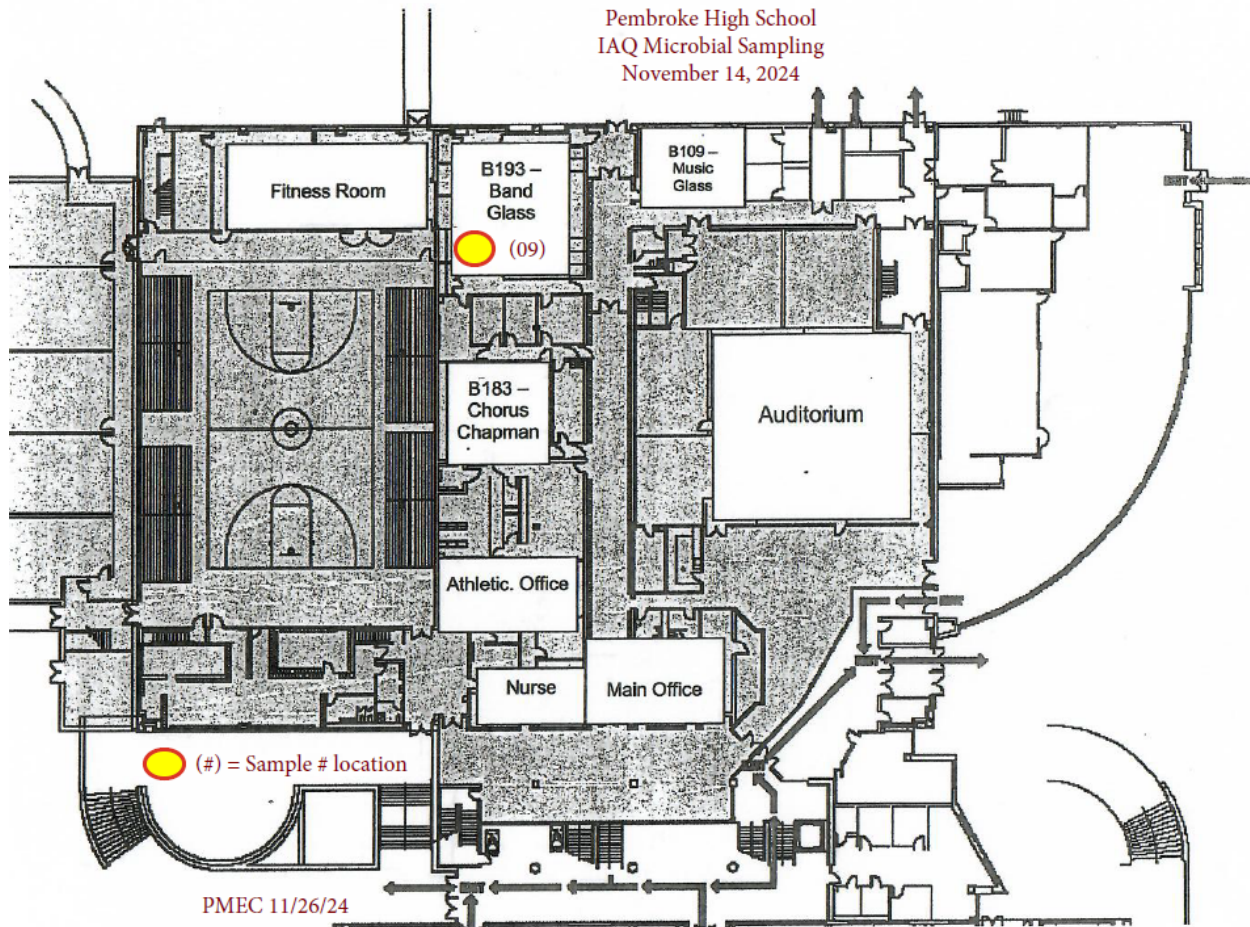


Atrium – Second Floor

Pembroke High School
IAQ Microbial Sampling
November 14, 2024



Attachment A – Sampling Floor Plan



Attachment B

Laboratory Analysis Results

Hayes Microbial Analytical Laboratory

November 14, 2024 Sampling Session
(pages 1-7)

Analysis Report prepared for

Paul Matuszko Environmental Consulting

79 Cedar Street
Walpole, MA 02081

Phone: (617) 893-4476

24-163
Pembroke High School
80 Learning Ln.
Pembroke, MA 02359

Collected: **November 14, 2024**
Received: **November 18, 2024**
Reported: **November 18, 2024**



EPA Laboratory ID: VA01419



Lab ID: #188863



DPH License: #PH-0198

We would like to thank you for trusting Hayes Microbial for your analytical needs!
We received 10 samples by FedEx in good condition for this project on November 18th, 2024.

The results in this analysis pertain only to this job, collected on the stated date, and should not be used in the interpretation of any other job. Information supplied by the customer can affect the validity of results. These results apply only to the samples as received. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

All information provided to Hayes Microbial is confidential information relating to our customers and their clients. We will not disclose, copy, or distribute any information verbally or written, except to those designated by the customer(s). We take confidentiality very seriously. No changes to the distribution list will be made without the express consent of the customer.

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial. In no event, shall Hayes Microbial or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of the use of these test results.

A handwritten signature in black ink that reads "Stephen N. Hayes".

Steve Hayes, BSMT (ASCP)
Laboratory Director
Hayes Microbial Consulting, LLC.

Sample Number*	1	3911 3662		2	3911 3648		3	3911 3589		4	3911 3587	
Sample Name*	Classroom 149			Classroom 173			Classroom A103			Classroom A232		
Sample Volume*	75 L			75 L			75 L			75 L		
Reporting Limit	13 spores/m³			13 spores/m³			13 spores/m³			13 spores/m³		
Background	2			2			2			2		
Fragments	ND			ND			ND			ND		
Organism	Raw Count	Count / m³	% of Total	Raw Count	Count / m³	% of Total	Raw Count	Count / m³	% of Total	Raw Count	Count / m³	% of Total
Alternaria												
Ascospores	1	13	100.0%				1	13	100.0%	2	27	100.0%
Aspergillus Penicillium												
Basidiospores												
Bipolaris Drechslera												
Chaetomium												
Cladosporium				3	40	75.0%						
Curvularia												
Epicoccum												
Fusarium												
Memnoniella												
Myxomycetes												
Pithomyces				1	13	25.0%						
Stachybotrys												
Stemphylium												
Torula												
Ulocladium												
Total	1	13	100%	4	53	100%	1	13	100%	2	27	100%

Water Damage Indicator	Common Allergen	Slightly Higher than Baseline	Significantly Higher than Baseline	Ratio Abnormality
------------------------	-----------------	-------------------------------	------------------------------------	-------------------

* indicates data provided by the customer

Sample Number*	5	3911 3685		6	3911 3566		7	3911 3705		8	3911 3564	
Sample Name*	Classroom A259			Classroom A203			Classroom B265			Library		
Sample Volume*	75 L			75 L			75 L			75 L		
Reporting Limit	13 spores/m³			13 spores/m³			13 spores/m³			13 spores/m³		
Background	2			2			2			2		
Fragments	ND			ND			ND			ND		
Organism	Raw Count	Count / m³	% of Total	Raw Count	Count / m³	% of Total	Raw Count	Count / m³	% of Total	Raw Count	Count / m³	% of Total
Alternaria												
Ascospores	2	27	66.7%	1	13	100.0%	2	27	100.0%	1	13	100.0%
Aspergillus Penicillium												
Basidiospores	1	13	33.3%									
Bipolaris Drechslera												
Chaetomium												
Cladosporium												
Curvularia												
Epicoccum												
Fusarium												
Memnoniella												
Myxomycetes												
Pithomyces												
Stachybotrys												
Stemphylium												
Torula												
Ulocladium												
Total	3	40	100%	1	13	100%	2	27	100%	1	13	100%

Water Damage Indicator	Common Allergen	Slightly Higher than Baseline	Significantly Higher than Baseline	Ratio Abnormality
------------------------	-----------------	-------------------------------	------------------------------------	-------------------

* indicates data provided by the customer

Collected: Nov 14, 2024

Received: Nov 18, 2024

Reported: Nov 18, 2024



Project Analyst:
Ramesh Poluri, PhD

Date:
11 - 18 - 2024

Reviewed By:
Steve Hayes, BSMT

Date: 11 - 18 - 2024

3005 East Boundary Terrace, Suite F. Midlothian, VA. 23112

(804) 562-3435

contact@hayesmicrobial.com

Page: 3 of 6

Sample Number*	9	3911 3644		10	3911 3619					
Sample Name*	Music B193			Outside Ambient Air						
Sample Volume*	75 L			75 L						
Reporting Limit	13 spores/m³			13 spores/m³						
Background	2			2						
Fragments	ND			13/m³						
Organism	Raw Count	Count / m³	% of Total	Raw Count	Count / m³	% of Total				
Alternaria										
Ascospores	1	13	50.0%	5	67	31.3%				
Aspergillus Penicillium										
Basidiospores				2	27	12.5%				
Bipolaris Drechslera										
Chaetomium										
Cladosporium				7	93	43.8%				
Curvularia										
Epicoccum										
Fusarium										
Memnoniella										
Myxomycetes	1	13	50.0%	2	27	12.5%				
Pithomyces										
Stachybotrys										
Stemphylium										
Torula										
Ulocladium										
Total	2	26	100%	16	214	100%				

Water Damage Indicator	Common Allergen	Slightly Higher than Baseline	Significantly Higher than Baseline	Ratio Abnormality
------------------------	-----------------	-------------------------------	------------------------------------	-------------------

* indicates data provided by the customer

Collected: Nov 14, 2024

Received: Nov 18, 2024

Reported: Nov 18, 2024



Project Analyst:
Ramesh Poluri, PhD

Date: 11 - 18 - 2024

Reviewed By:
Steve Hayes, BSMT

Date: 11 - 18 - 2024

3005 East Boundary Terrace, Suite F. Midlothian, VA. 23112

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Page: 4 of 6

Spore Trap Information

Reporting Limit	The Reporting Limit is the lowest number of spores that can be detected based on the total volume of the sample collected and the percentage of the slide that is counted. At Hayes Microbial, 100% of the slide is read so the LOD is based solely on the total volume. Raw spore counts that exceed 500 spores will be estimated.
Blanks	Results have not been corrected for field or laboratory blanks.
Background	<p>The Background is the amount of debris that is present in the sample. This debris consists of skin cells, dirt, dust, pollen, drywall dust and other organic and non-organic matter. As the background density increases, the likelihood of spores, especially small spores such as those of <i>Aspergillus</i> and <i>Penicillium</i> may be obscured. The background is rated on a scale of 1 to 5 and each level is determined as follows:</p> <p>NBD: No background detected due to possible pump or cassette malfunction. Recollect sample. (Field Blanks will display NBD)</p> <p>1 : <5% of field occluded. No spores will be uncountable.</p> <p>2 : 5-25% of field occluded.</p> <p>3 : 25-75% of field occluded.</p> <p>4 : 75-90% of field occluded.</p> <p>5 : >90% of field occluded. Suggested recollection of sample.</p>
Fragments	Fragments are small pieces of fungal mycelium or spores. They are not identifiable as to type and when present in very large numbers, may indicate the presence of mold amplification.
Control Comparisons	There are no national standards for the numbers of fungal spores that may be present in the indoor environment. As a general rule and guideline that is widely accepted in the indoor air quality field, the numbers and types of spores that are present in the indoor environment should not exceed those that are present outdoors at any given time. There will always be some mold spores present in "normal" indoor environments. The purpose of sampling and counting spores is to help determine whether an abnormal condition exists within the indoor environment and if it does, to help pinpoint the area of contamination. Spore counts should not be used as the sole determining factor of mold contamination. There are many factors that can cause anomalies in the comparison of indoor and outdoor samples due to the dynamic nature of both of those environments.
<div>Water Damage Indicator</div> <div>Common Allergen</div> <div>Slightly Higher than Baseline</div> <div>Significantly Higher than Baseline</div> <div>Ratio Abnormality</div>	<p>Blue: These molds are commonly seen in conditions of prolonged water intrusion and usually indicate a problem.</p> <p>Green: Although all molds are potential allergens, these are the most common allergens that may be found indoors.</p> <p>Orange: The spore count is slightly higher than the outside count and may or may not indicate a source of contamination.</p> <p>Red: The spore count is significantly higher than the baseline count and probably indicates a source of contamination.</p> <p>Violet: The types of spores found indoors should be similar to the ones that were identified in the baseline sample. Significant increases (more than 25%) in the ratio of a particular spore type may indicate the presence of abnormal levels of mold, even if the total number of spores of that type is lower in the indoor environment than it was outdoors.</p>
Color Coding	Fungi that are present in indoor samples at levels lower than 200 per cubic meter are not color coded on the report, unless they are one of the water damage indicators.
Significant Figures	Raw counts and column totals may reflect more than 2 significant figures, but results should only be considered significant to 2 figures.

Analyte Descriptions

Ascospores	Habitat:	A large group consisting of more than 3000 species of fungi. Common plant pathogens and outdoor numbers become very high following rain. Most of the genera are indistinguishable by spore trap analysis and are combined on the report.
	Health Effects:	Health affects are poorly studied, but many are likely to be allergenic.
Basidiospores	Habitat:	A common group of Fungi that includes the mushrooms and bracket fungi. They are saprophytes and plant pathogens. In wet conditions they can cause structural damage to buildings.
	Health Effects:	Common allergens and are also associated with hypersensitivity pneumonitis.
Cladosporium	Habitat:	One of the most common genera worldwide. Found in soil and plant debris and on the leaf surfaces of living plants. The outdoor numbers are lower in the winter and often relatively high in the summer, especially in high humidity. The outdoor numbers often spike in the late afternoon and evening. Indoors, it can be found growing on textiles, wood, sheetrock, moist window sills and in HVAC supply ducts.
	Health Effects:	A common allergen, producing more than 10 allergenic antigens and a common cause of hypersensitivity pneumonitis.
Myxomycetes	Habitat:	Found on decaying plant material and as a plant pathogen.
	Health Effects:	Some allergenic properties reported, but generally pose no health concerns to humans.
Pithomyces	Habitat:	Common fungus isolated from soil, decaying plant material. Rarely found indoors.
	Health Effects:	Allergenic properties are poorly studied. No cases of infection in humans.



Paul Matuszko Environmental Consulting
79 Cedar Street
Walpole, MA 02081

N

SHIP: FEDEX - ENV SO
DATE: 11-18-2024



Job Number: 24-163		Job Name: <i>Pembroke High School</i>		Mobile: 6178934476		Email: pmatuszko@pmecsolution	
Collector: Paul Matuszko		80 Learning Lane		Note: <i>43°F OA, c/c/a</i>			
Date Collected: <i>11/14/24</i>		Pembroke, MA 02359					
Analysis Type		Analysis Description		Turnaround		Accepted Media Types	
Spore Trap	S	Identification & Enumeration of Fungal Spores		24 Hour		Air Cassettes, Impact Slides	
	S+	Spore Trap Analysis with Dander, Fiber, and Pollen counts		24 Hour		Air Cassettes, Impact Slides	
Direct ID	D	ID & Semi-Quantative Enumeration of spores and mycelium		24 Hour		Bio-Tape, Tape, Swab, Bulk, Agar Plate	
	D+	Direct Analysis with Fully Quantitative spore count		24 Hour		Bio-Tape, Tape, Swab, Bulk, Agar Plate	
Culture	C1	Identification & Enumeration of Mold only		7 Day		Air Plate, Agar Plate, Swab, Bulk	
	C2	Identification & Enumeration of Bacteria only		4 Day		Air Plate, Agar Plate, Swab, Bulk	
	C3	Identification & Enumeration of Mold and Bacteria		7 Day		Air Plate, Agar Plate, Swab, Bulk	
	C5	Coliform Screen for Sewage Bacteria		2 Day		Agar Plate, Swab, Bulk	
Particle	TPA	Total Particulate Analysis, ID & Count (Does Not Include Mold)		24 Hour		Air Cassettes, Impact Slides, Bio-Tape	
#	Number	Sample	Analysis	Volume	Notes		
<i>1</i>	<i>3911 3662</i>	<i>classroom 149</i>	<i>S</i>	<i>75L</i>	<i>5min@151pm Background sampling</i>		
<i>2</i>	<i>3911 3648</i>	<i>classroom 173</i>	<i>S</i>				
<i>3</i>	<i>3911 3589</i>	<i>classroom A103</i>	<i>S</i>				
<i>4</i>	<i>3911 3587</i>	<i>classroom A232</i>	<i>S</i>				
<i>5</i>	<i>3911 3685</i>	<i>classroom A259</i>	<i>S</i>				
<i>6</i>	<i>3911 3566</i>	<i>classroom A203</i>	<i>S</i>				
<i>7</i>	<i>3911 3705</i>	<i>classroom B265</i>	<i>S</i>				
<i>8</i>	<i>3911 3564</i>	<i>Library</i>	<i>S</i>				
<i>9</i>	<i>3911 3654/44</i>	<i>Music 8193</i>	<i>S</i>		<i>3911 3644 (P4) + 3654</i>		
<i>10</i>	<i>3911 3619</i>	<i>Outside Ambient Air</i>	<i>S</i>				
11							
12							
13							
14							
15							
16							
Released by: <i>Paul Matuszko</i>		Date: <i>11/15/24</i>		Received By: <i>[Signature]</i>		Date: <i>11/18</i>	