

February 22, 2024

Mr. Richard Underwood Director of Operations and Maintenance 155 Merrimack Street, 4th Floor Lowell, Massachusetts 01852

RE: Monthly Surveillance Sampling for Mold, February 2024

Pawtucketville Memorial Elementary School 425 West Meadow Road, Lowell, Massachusetts

EFI Project No.: 014.07230

Dear Rick:

On February 8, 2024, representatives of EFI Global, Inc. (EFI) conducted monthly surveillance sampling for mold at the Pawtucketville Memorial Elementary School (Pawtucketville School) located at 425 West Meadow Road in Lowell, Massachusetts. The monthly surveillance sampling consisted of the collection of bioaerosol samples for airborne total fungal spores (air samples for mold) in fifty (50) locations within the school building. The monthly surveillance sampling was requested in order to monitor indoor air quality conditions in the school building with respect to the presence of airborne fungal spores following the resolution of a circumstance that necessitated the execution of mold remediation activities at the beginning of the school year.

ASSESSMENT METHOD

The monthly surveillance sampling for February of 2024 was conducted by EFI representatives Mr. Peter von Au, CMC, CIEC and Ms. Kamila Zygadlo on February 8, 2024. A total of fifty (50) bioaerosol samples were collected at indoor locations, three outdoor samples also were collected for purposes of comparison with the indoor sampling results and one field blank sample was prepared for purposes of quality control. All samples were submitted to EMSL Analytical, Inc. (EMSL) of Woburn, Massachusetts for analysis.

All bioaerosol samples were collected on Zefon Air-O-Cell spore trap cassettes using a Zefon Bio-Pump Plus sampling pump with a calibrated flow rate of 15 liters per minute (lpm). Each sample was collected over a period of five minutes resulting in a total of 75 liters of air being drawn though the spore trap cassettes. These cassettes are a unique sampling device designed for the rapid collection and analysis of a wide range of airborne particles, including fungal spores. Samples were analyzed via light microscopy at the standardized magnification of 600 times. Spore trap sampling measures the viable spores that are capable of growing and reproducing given the proper conditions, the non-viable (dead, but still allergenic) spores, and the fragments of fungal colonies that are released as the fungi grow. These are the primary bio aerosols that can cause allergic reactions in sensitive individuals and contribute lowering the indoor air quality. Unfortunately, this technique does not allow for the differentiation between Aspergillus and Penicillium spores because they are morphologically identical. Additionally, the technique does not allow for cultivation, or the identification of spores to the species level, barring a few cases.

RESULTS and RECOMMENDATIONS

Microbial Guidelines

There are no government regulations currently in effect for microbiological contaminants; however, there exist several non-regulatory guidelines, which are based on extensive field experience. It must be emphasized that fungal and bacterial contamination are dynamic phenomena and that species within an area can change due to environmental conditions. Allergic reaction is a common health effect of exposure to mold. Additionally, individual health may be affected by the presence of high levels of non-toxic or non-pathogenic microbes that may emit volatile compounds (musty odors) from the mycelia (fungal plant) or vapors from substrate breakdown.

In general, airborne concentrations indoors should be less than or comparable to that found in the outdoors, with similar species composition. Indoor spore counts significantly greater than those outdoors, or the presence of large numbers of different types of spores indoors that are not found outdoors, may indicate contamination and potential indoor air quality problems.

In most cases, EFI uses a combination of published laboratory information as well as our own experience to establish the following recommended guidelines for air samples:

- Total concentrations obtained inside the building/residence that are below ambient levels or below 2,000 spores per cubic meter (spores/m³), whichever is greater, and;
- Less than 650 spores/m³ for individual mold organisms, are considered normal for the screening method utilized.

Bioaerosol Samples for Airborne Fungal Spores

The following table summarizes the results of air samples for mold collected on February 8, 2024. The analytical laboratory report for these samples is included with this report as part of the attachment.

SUMMARY OF RESULTS – AIR SAMPLING FOR MOLD Pawtucketville Memorial Elementary School 425 West Meadow Road, Lowell, Massachusetts February 8, 2024

Location	Time	Result (spores/m³)
Cafeteria	10:39 a.m.	40
Outdoors	10:40 a.m.	80
Main Office, Room 1008	10:46 a.m.	40
Gymnasium	10:53 a.m.	80
Classroom 1063	10:54 a.m.	40
Classroom 1061	11:00 a.m.	40
Classroom 1038	11:02 a.m.	40
Classroom 1041	11:07 a.m.	200

SUMMARY OF RESULTS – AIR SAMPLING FOR MOLD Pawtucketville Memorial Elementary School 425 West Meadow Road, Lowell, Massachusetts February 8, 2024

Location	Time	Result (spores/m³)
Classroom 1043	11:10 a.m.	40
Classroom 1045	11:14 a.m.	40
Classroom 1066	11:18 a.m.	80
Classroom 1068	11:20a.m.	80
Classroom 1067	11:25 a.m.	40
Classroom 1069	11:28 a.m.	240
Classroom 1071	11:33 a.m.	100
Classroom 1073	11:34 a.m.	80
Classroom 1072	11:42 a.m.	ND (<13)
Classroom 1074	11:43 a.m.	40
Classroom 1075	11:50 a.m.	ND (<13)
Classroom 1076	11:51 a.m.	130
Classroom 1077	11:56 a.m.	40
Classroom 1078	11:57 a.m.	300
Classroom 1079	12:03 p.m.	80
Classroom 1081	12:04 p.m.	80
Classroom 1082, SPED	12:11 p.m.	40
Classroom 1083, Pre-K	12:12 p.m.	40
Outdoors	12:18 p.m.	40
Room 1097, Music	12:22 p.m.	ND (<13)
Room 1093, Art	12:25 p.m.	180
Classroom 1108	12:32 p.m.	170
Kitchen	12:37 p.m.	40
Library (Room 2018)	12:50 p.m.	40
Classroom 2005	12:53 p.m.	220
Classroom 2003	12:59 p.m.	40
Classroom 2004	1:02 p.m.	40
Classroom 2002	1:07 p.m.	90
Classroom 2001	1:09 p.m.	80
Room 2019, Teachers	1:19 p.m.	120
Room 2028, Testing	1:20 p.m.	80
Room 2027, Small Group	1:24 p.m.	80
Room 2012, Small Group	1:28 p.m.	ND (<13)
Room 2016 (inside library)	1:33 p.m.	80
Room 2017A (inside library)	1:35 p.m.	40
Room 1054	1:46 p.m.	40
Room 1016	1:55 p.m.	40
Room 1018	1:56 p.m.	80

Lowell Public Schools EFI Project No.: 014.07230

SUMMARY OF RESULTS – AIR SAMPLING FOR MOLD Pawtucketville Memorial Elementary School 425 West Meadow Road, Lowell, Massachusetts February 8, 2024

Location	Time	Result (spores/m³)
Outdoors	2:02 p.m.	120
Room 1020	2:03 p.m.	80
Room 1022	2:10 p.m.	ND (<13)
Room 1014	2:13 p.m.	40
Room 1015	2:20 p.m.	120
Room 1012	2:23 p.m.	80
Room 1019	2:24 p.m.	40

Notes: 1. ND (<13) = None detected. 2. No spores were detected on the field blank sample.

The February 8, 2024, bioaerosol sampling results mainly indicate that the concentrations of total fungal spores measured at indoor locations were approximately equal to the average of the concentrations of total fungal spores measured at outdoor locations (80 spores/m³). In addition, the concentrations of total fungal spores measured at indoor locations were comprised of spore taxa (types) detected outdoors, or commonly detected outdoors.

It should be noted that in a small number of locations (up to six), concentrations of total fungal spores measured at indoor locations could or would be considered greater than the average of the concentrations of total fungal spores measured at outdoor locations. This is largely attributable to the fact that very few spores were detected outdoors on February 8, which is common during the late autumn, winter and early spring seasons. These "higher" concentrations of fungal spores were lower than concentrations that would typically be measured outdoors at other times of the year – spring, summer autumn. In addition, as mentioned above, the spore taxa (types) detected at indoor locations are taxa that are commonly detected outdoors, such as *Cladosporium*, *Aspergillus/Penicillium*, Myxomycetes and Basidiospores.

CONCLUSION

Based on the results of the Feburary 2024 monthly surveillance sampling for mold at the Pawtucketville School, the school building continues to be safe for its intended use and occupancy with respect to the presence of airborne fungal spores.

LIMITATIONS

This report has been prepared to assist the client in evaluating indoor air quality concerns at the above referenced site. EFI provided these services consistent with the level and skill ordinarily exercised by members of the profession currently practicing under similar conditions. This statement is in lieu of other statements either expressed or implied. This report is intended for the sole use of the client. This report is not intended to serve as a bidding document nor as a project specification document and actual site conditions and quantities should be field verified. The scope of services performed in execution of this

evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document, the findings, conclusions, or recommendations is at the risk of said user. Although a reasonable attempt has been made to identify indoor air quality issues in the areas inspected, the inspection was limited by the techniques used and areas inspected. Additionally, other possible building material hazards such as asbestos, lead-based paint and microbial issues were not included as part of this evaluation and may require proper sampling for identification prior to disturbance.

Additionally, the passage of time may result in a change in the environmental characteristics at this site. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were observed during the inspection of the site.

EFI appreciates this opportunity to provide indoor air quality services to Lowell Public Schools. If you require additional information or have questions regarding the contents of this report, please contact either of the undersigned at (978) 688-3736.

Sincerely,

EFI Global, Inc.

Peter G. von Au, CMC, CIEC

Senior Industrial Hygiene Project Manager

Cell: 978-863.8401

peter.vonau@efiglobal.com

Reviewed by:

Michael McCarter

Meelsael M Carter

Senior Project Manager

Cell: 978-604-7662

Michael.mccarter@efiglobal.com

Attachment: EMSL Analytical Laboratory Report, February 8, 2024

ATTACHMENT

EMSL ANALYTICAL LABORATORY REPORT

February 8, 2024



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 **Project:** 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		32400802-0001 A01		urates by Optica	32400802-0002 A02 75		132400802-0003 A03 75			
Sample Location:	Field Blank				Cafeteria			Outdoors		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	-	-	-	-	-	-	-	-	-	
Basidiospores	-	-	-	-	-	-	1	40	50	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	1	40	100	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	1	40	50	
Total Fungi	-	No Trace	-	1	40	100	2	80	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	0	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	0*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	-	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	-	-	-	1	-	-	1	-	
Background (1-5)	-	-	-	-	1	-	-	1	-	

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

EMSL Analytical, Inc. maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. EMSL Analytical, Inc. bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded). High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts >= 100 are extrapolated based on the percentage analyzed.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 Project: 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		32400802-0004 A04 75		1:	32400802-0005 A05 75		132400802-0006 A06 75			
Sample Location:	Main	Office, Room 1	800		Gymnasium		С	lassroom 1063		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	1	40	100	2	80	100	1	40	100	
Basidiospores	-	-	-	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	1	40	100	2	80	100	1	40	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	2	-	-	2	-	

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++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

> Phone: (978) 688-3736 Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 Project: 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		32400802-0007 A07 75			32400802-0008 A08 75		132400802-0009 A09 75			
Sample Location:	С	lassroom 1061		С	lassroom 1038		С	lassroom 1041		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	<u> </u>	-	-	· -	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	-	-	-	1	40	100	6	200	100	
Basidiospores	-	-	-	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	1	40	100	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	1	40	100	1	40	100	6	200	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	1	-	

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



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Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 **Project:** 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		32400802-0010 A10 75		1	32400802-0011 A11 75		132400802-0012 A12 75			
Sample Location:		lassroom 1043		С	lassroom 1045		С	lassroom 1066		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	- '	-	<u> </u>	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	-	-	-	1	40	100	2	80	100	
Basidiospores	1	40	100	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	1	40	100	1	40	100	2	80	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	1	-	

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 **Project:** 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		32400802-0013 A13 75		1:	32400802-0014 A14 75		132400802-0015 A15 75			
Sample Location:		lassroom 1068		С	lassroom 1067		С	lassroom 1069		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	- '	-	-	
Ascospores	-	-	-	-	-	-	1	40	16.7	
Aspergillus/Penicillium++	2	80	100	-	-	-	6	200	83.3	
Basidiospores	-	-	-	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	1	40	100	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	2	80	100	1	40	100	7	240	100	
Hyphal Fragment	2	80	-	1	40	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	1	-	

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EFI Global, Inc. 155 West Street

Wilmington, MA 01887

Project: 01407230, PMES, MA 01854

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):	A16 75 Classroom 1071			1	32400802-0017 A17 75		132400802-0018 A18 75		
Sample Location:				С	lassroom 1073		С	lassroom 1072	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	3	100	100	1	40	50	-	-	-
Basidiospores	-	-	-	1	40	50	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Torula++	-	-	-	-	-	-	-	-	-
Total Fungi	3	100	100	2	80	100	-	None Detect	-
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	1	-

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Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

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Fax: (978) 688-5494

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Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 **Project:** 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		32400802-0019 A19 75			32400802-0020 A20 75		132400802-0021 A21 75			
Sample Location:	С	lassroom 1074		C	lassroom 1075		С	lassroom 1076		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	<u> </u>	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	1	40	100	-	-	-	2	90	69.2	
Basidiospores	-	-	-	-	-	-	1	40	30.8	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	1	40	100	-	None Detect	-	3	130	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	43	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	2	-	-	1	-	-	1	-	

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++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 Project: 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		32400802-0022 A22 75			32400802-0023 A23 75		132400802-0024 A24 75			
Sample Location:	С	lassroom 1077		С	lassroom 1078		С	lassroom 1079		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	<u> </u>	-	-	· -	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	-	-	-	6	300	100	1	40	50	
Basidiospores	1	40	100	-	-	-	1	40	50	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	1	40	100	6	300	100	2	80	100	
Hyphal Fragment	-	-	-	1	40	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	1	-	

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++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

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Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 **Project:** 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		32400802-0025 A25 75		13	32400802-0026 A26 75		132400802-0027 A27 75			
Sample Location:	C	lassroom 1081		Class	sroom 1082, SP	ED	Cli	assroom, Pre-K		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	- '	-	-	- '	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	1	40	50	-	-	-	1	40	100	
Basidiospores	1	40	50	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	1	40	100	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	2	80	100	1	40	100	1	40	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	1	-	

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++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):	1:	32400802-0028 A28 75		1:	32400802-0029 A29		1:	32400802-0030 A30 75	
Sample Location:		Outdoors			Field Blank		Class	room 1097, Mu	sic
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	· -	- '	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	-	-	-	-	-	-
Basidiospores	1	40	100	-	-	-	2	90	50
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	2	90	50
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Torula++	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	-	No Trace	-	4	180	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	0	-	-	43	-
Analyt. Sensitivity 300x	-	13*	-	-	0*	-	-	13*	-
Skin Fragments (1-4)	-	-	-	-	-	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	-	-	-	1	-
Background (1-5)	-	1	-	-	-	-	-	2	-

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM **Analyzed Date:** 02/14/2024 - 02/15/2024

Conected Date.

Wilmington, MA 01887 **Project:** 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:		132400802-0031 A31 75 Classroom 1093, Art			32400802-0032 A32 75 lassroom 1108		132400802-0033 A33 75 Kitchen			
·	Raw Count†			Raw Count†		% of Total	Daw Caunth			
Spore Types Alternaria (Ulocladium)	Raw County	Count/m³	% of Total	Raw County	Count/m³	% Of Total	Raw Count†	Count/m³	% of Total	
Alternana (Olociadium) Ascospores	-	-	-	_	-	_	_	-	_	
Aspergillus/Penicillium++	2	90	50	_	_	_	_	_		
Basidiospores	_	-	-	1	40	23.5	_	_	_	
Bipolaris++	_	_	_	· -	-	20.0	_	_		
Chaetomium++	_	_	_	_	_	_	_	_	_	
Cladosporium	-	_	_	_	_	-	_	-	_	
Curvularia	_	_	_	_	_	_	_	_	_	
Epicoccum	-	-	-	_	_	-	_	-	_	
Fusarium++	-	-	-	_	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	_	
Myxomycetes++	2	90	50	2	90	52.9	1	40	100	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	1	40	23.5	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	4	180	100	4	170	100	1	40	100	
Hyphal Fragment	-	-	-	1	40	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	2	-	-	2	-	

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 Project: 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):	132400802-0034 132400802-0035 A34 A35 75 75						0-50F-201, AS1	32400802-0036 A36 75	
Sample Location:	Lib	rary Room 201	8	С	lassroom 2005		С	lassroom 2003	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	<u> </u>	-	-	· -	- '	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	2	90	40.9	-	-	-
Basidiospores	1	40	100	2	90	40.9	1	40	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1	40	18.2	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Torula++	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	5	220	100	1	40	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	1	-

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Project: 01407230, PMES, MA 01854

Wilmington, MA 01887

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):	132400802-0037 132400802-0038 A37 A38 75 75						0-30F-201, A31	32400802-0039 A39 75	
Sample Location:		lassroom 2004		С	lassroom 2002		С	lassroom 2001	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	- '	-	-	- '	-	<u> </u>
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	2	90	100	1	40	50
Basidiospores	1	40	100	-	-	-	1	40	50
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Torula++	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	2	90	100	2	80	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	2	-

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EFI Global, Inc. 155 West Street

Wilmington, MA 01887

Project: 01407230, PMES, MA 01854

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM **Analyzed Date:** 02/14/2024 - 02/15/2024

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):	1:	32400802-0040 A40 75		1:	32400802-0041 A41 75		1;	32400802-0042 A42 75	
Sample Location:	Rooi	m 2019, Teache	er's	Roo	m 2028, Testing	gs	Room	2027, Small gr	oup
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	2	80	100	2	80	100
Basidiospores	1	40	33.3	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	1	40	33.3	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	33.3	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Torula++	-	-	-	-	-	-	-	-	-
Total Fungi	3	120	100	2	80	100	2	80	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	1	-

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

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Phone: (978) 688-3736

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Wilmington, MA 01887

Project: 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	1	132400802-0043 A43 75 Room 2012, Small group			32400802-0044 A44 75		132400802-0045 A45 75			
·					Room 2016	o/		Room 2017A	o, .=	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	40	- 50	1	40	100	
Aspergillus/Penicillium++	-	-	-	1	40	50	1	40	100	
Basidiospores	-	-	-	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	1	40	50	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	-	None Detect	-	2	80	100	1	40	100	
Hyphal Fragment	1	40	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	1	-	

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Project: 01407230, PMES, MA 01854

Wilmington, MA 01887

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):	132400802-0046 132400802-0047 A46 A47 75 75						32400802-0048 A48 75		
Sample Location:		Room 1054			Room 1016			Room 1018	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	1	40	100	1	40	100	-	-	-
Basidiospores	-	-	-	-	-	-	1	40	50
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	1	40	50
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Torula++	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	1	40	100	2	80	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Wilmington, MA 01887 **Project:** 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):		132400802-0049 A49 75			32400802-0050 A50 75		132400802-0051 A51 75			
Sample Location:		Outdoors			Room 1020			Room 1022		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	1	40	33.3	-	-	-	-	-	-	
Aspergillus/Penicillium++	2	80	66.7	2	80	100	-	-	-	
Basidiospores	-	-	-	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Torula++	-	-	-	-	-	-	-	-	-	
Total Fungi	3	120	100	2	80	100	-	None Detect	-	
Hyphal Fragment	-	-	-	1	40	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	1	-	-	1	-	-	1	-	

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM

Analyzed Date: 02/14/2024 - 02/15/2024

Project: 01407230, PMES, MA 01854

Wilmington, MA 01887

EFI Global, Inc. 155 West Street

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L):	132400802-0052 132400802-0053 A52 A53 75 75					0-30F-201, AST	32400802-0054 A54 75		
Sample Location:		Room 1014			Room 1015			Room 1012	
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	1	40	100	2	80	66.7	1	40	50
Basidiospores	-	-	-	-	-	-	1	40	50
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1	40	33.3	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Torula++	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	3	120	100	2	80	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	1	-

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific

Steve Grise, Laboratory Manager or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179



Suite 6

EMSL Order: 132400802 Customer ID: EAFI66

Customer PO: Project ID:

Phone: (978) 688-3736

Fax: (978) 688-5494

Collected Date:

Received Date: 02/09/2024 01:00 PM **Analyzed Date:** 02/14/2024 - 02/15/2024

Receive

Wilmington, MA 01887 **Project:** 01407230, PMES, MA 01854

EFI Global, Inc. 155 West Street

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	O-Cell(™) Analy: 1:	32400802-0055 A55 75	pores & Partic	ulates by Optic	al Microscopy (Methods MICRO	D-SOP-201, AST	M D7391)	
Spore Types	Raw Count†	Room 1019 Count/m³	% of Total			_			
Alternaria (Ulocladium)	raw County		78 OI 10tai		1				
Ascospores	<u>-</u>	_	_						
Aspergillus/Penicillium++	1	40	100						
Basidiospores	-	-	-	_		_			
Bipolaris++	-	_	_	_					
Chaetomium++	-	-	_	_					
Cladosporium	-	-	-						
Curvularia	-	-	-	_					
Epicoccum	-	-	-	-		-			
Fusarium++	-	-	-	_		_			
Ganoderma	-	-	-	-		-			
Myxomycetes++	-	-	-	_		-			
Pithomyces++	-	-	-	-		-			
Rust	-	-	-	_		-			
Scopulariopsis/Microascus	-	-	-	-		-			
Stachybotrys/Memnoniella	-	-	-	-		-			
Unidentifiable Spores	-	-	-	-		-			
Zygomycetes	-	-	-	_		-			
Torula++	-	-	-	-		-			
Total Fungi	1	40	100	-		-			
Hyphal Fragment	-	-	-	-		-			
Insect Fragment	-	-	-	-		-			
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	_	-	-	-	_	-	
Analyt. Sensitivity 300x	-	13*	-	-		-			
Skin Fragments (1-4)	-	1	-	-		-			
Fibrous Particulate (1-4)	-	1	-	-		-			
Background (1-5)	-	1	-	-		-			

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179

OrderID: 132400802

Microbiology Chain of Custody EMSL Order Number (Lab Use Only):

132400802

EMSL ANALYTICAL, INC. 5 CONSTITUTION WAY, UNIT A WOBURN, MA 01801 PHONE: (781) 933-8411 FAX:(781) 933-8412

LABORATORY - PRODUCTS	LABORATORY - PRODUCTS - TRAINING									
Company Name:	EFI Glob	x.					e ☐ Different ions in Comments*	*		
Street: .155				Third Party Bi	illing requir	es written au	thorization from	third party.		
City: Wilmin			NA	Zip/Postal Code:	0188	7	Country: U	² 5A		
Report To (Name)	1-	von Au		Telephone #: 9			Pi			
Email Address:		navpefial	obel Com	Fax #: Purchase Order:						
Project Name/Num	nber: 014.67	230 PM	ES	Please Provide R	esults:	☐ Fax 🛭	Email			
U.S. State Sample								Residential		
				ed: 🗌 Biocide Use						
Public	Water Supply Sa			y automatically be		to DOH if	required by st	ate.		
				Options * - Please			- / · · ·	Пои.		
☐ 3 Hour	☐ 6 Hour	24 Hour	48 Hour	72 Hour	9	6 Hour	☐ 1 Week	2 Week		
MOOA AL- O O-II	1474 14	IdC		y Test Codes monas aeruginosa (P/A	***\	M115 Sew	age Screen - Wa	ter (P/A***)		
M001 Air-O-Cell M030 Micro 5	M174 Mo	ergenco-D	M024 Pseudor	nonas aeruginosa (MF		M116 Sew	age Screen - Wa	ter (MPN**)		
M041 Fungal Direct E		sigerico-D		ophic Plate Count liform & <i>E. coli</i> (Coliler	P/A***)		age Screen - Sw age Screen - Sw			
M169 Pollen ID & En			M018 Total Co	liform & E. coli (MFT*)		M133 Meth	nicillin-resistant S			
M280 Dust Character			M114 Total Co (Colilert MPN*	liform & <i>E. coli</i> Enumer *)	ration	(MRSA) M031 Rapi	d-growing non-T	B Mvcobacteria		
M281 Dust Character M005 Viable Fungi- A		s ID & Count)	M019 Fecal Co	oliform (MFT*)		Detection 8	Enumeration	,		
M006 Viable Fungi- A	ir Samples (Includ	es Penicillium,	M020 Fecal St M029 Enteroce	reptococcus (MFT*)			otoxin Analysis p Allergen (Cat.	Dog, Cockroach,		
Aspergillus, Cladospo Count)	onum, Stacnybotrys	s Species ID &	M129 Enterocc	129 Enterococci (Enterolert P/A***) Dust Mite)						
M007 Culturable fung	i - Surface Sample	s (Genus ID &		80 Real Time qPCR-ERMI 36 Panel 25 Sewage Screen –Water (MFT*) Other See Analytical Price Guide Legionella Analysis Please use EMSL						
Count) M008 Culturable fung	i - Surface Sample	s (Includes				Legionella				
Penicillium, Aspergilla Species ID & Count)	us, Cladosporium,	Stachybotrys								
M009 Bacteria Cultur				ane Filtration Techniqu Probable Number	ie /	\				
M010 Bacteria Count M011 Bacteria Count			***P/A= Preser		10	M				
Name of Sampler	Valore.	VAN AU		Signature of Sam	pler:	MM	J- M			
Sample #	Sample Loca	tion/Description	Sample Type	Potable/ NonPotable	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C)		
			.,,,,,	(Only for Waters)			9/1/13	(Lab Use Only)		
Example A1	Kitchen Sink/Ta		Water	⊠P □NP	M017	100 mL	4:00 PM			
AOI	Field Bla		Air	□ P □NP	Moor		A16101			
AOZ	Cafeteric			□ P □NP		75L	2/8/24			
A03	Outdoors			□ P □NP			10:39 AM	STORAN TO THE		
A04	Main Offic	e, Room 1008		□ P □NP		1,	,			
H02	Gymnasi	MM	V	□ P □NP	V	V	V			
Client Sample # (s): AOI	455	Total # of S	75	, (Lab Use Only	()	es / No		
Relinquished (Clie	ent):	M- W		Date: Z 9 ZL	1	Time:	NG CO?	•		
Received (Lab):				Date:	1	Time:				
Comments/Specia	I Instructions:	\bigcup								
				RE	C.D 1/2	~ 1:0	O PM			
				EN	ASL-BOS	TON FEB	0/9 2024			

Page **1** of **4**

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Controlled Document - COC-34 Micro R8 11/14/2017



Microbiology Chain of Custody EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC. 5 CONSTITUTION WAY, UNIT A **WOBURN, MA 01886** PHONE: (781) 933-8411 FAX:(781) 933-8412

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only
A 06	Classroom 1063	Air	□ P □NP	MOOI	75L	2-8-24 10:39 AM	
A07	Classroom 1061		□ P □NP				
P08	Classioom 1038		□ P □NP				
A09	classroom 104		□ P □NP				
A10	Classroom 1043		□ P □NP				
All	Classroom 1045		□ P □NP				
A12	Classroom 1066		□ P □NP				
Al3	Classroom 1068		□ P □NP				1
A14	Classroom 1067		□ P □NP				
AI5	Classroom 1069		□ P □NP				
Alb	Classroom 1071		□ P □NP				
A17	Classroom 1073		□ P □NP				
Al8	Classroom 1072		□ P □NP				
AI9	Classroom 1074		□ P □NP				
A20	Classroom 1075		□ P □NP				
A21	Classroom 1076		□ P □NP				
A22	Classroom 1077		□ P □NP				
A23	Classrom 1078		□ P □NP				
A24	Classroom 1079		□ P □NP				
A25	Classroom 1081		□ P □NP				
A26	Classroom 1082, SPED		□ P □NP				
A27	Classroom, Pre-K		□ P □NP		1/		
A28	Outdoors	V	□ P □NP	V	V	A	
omments/Speci	al Instructions:			根ECID_	12 MOSTON F	EB 0 9 202	4

Page _ of

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Controlled Document - COC-34 Micro R8 11/14/2017



Microbiology Chain of Custody EMSL Order Number (Lab Use Only):

132400802

EMSL ANALYTICAL, INC. 5 CONSTITUTION WAY, UNIT A WOBURN, MA 01886 PHONE: (781) 933-8411

Fax:(781) 933-8412

Additional pages of the chain of custody are only necessary if needed for additional sample information

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)		
A29	Field Blank	Air	□ P □NP	m001	752	2-8-24 10:39 AM			
A30	Classroom 1097, Music		□ P □NP	1					
A31	Classroom 1993, AFt		□ P □NP						
A32	Classroom 1108		□ P □NP						
A33	Kitchen		□ P □NP						
A34	Library, Room 2018		□ P □NP						
A35	Classroom 2005		□ P □NP						
A36	Classroom 2003		□ P □NP						
A37	Classroom 2004		□ P □NP						
A38	Classroom 2002		□ P □NP						
A39	Classroom 2001		□ P □NP						
A40	Rooma019, teachers		□ P □NP						
A41	Room 2028, testings		□ P □NP						
A42	Room 2027, small group		□ P □NP						
A43	Room 2012, small group		□ P □NP						
A44	Room 2016		□ P □NP						
A45	Room 2017A		□ P □NP						
A46	Room 1054		□ P □NP						
A47	Room 1016		□ P □NP						
A48	Room 1018		□ P □NP						
A49	Outdoors		□ P □NP						
A50	Room 1020		□ P □NP						
A51	Room 022	V	□ P □NP	V	V	V			
Comments/Special Instructions:									
					Diam	12			
					REC'D_	EF	3 0 9 2021		

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EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Controlled Document - COC-34 Micro R8 11/14/2017



Microbiology Chain of Custody EMSL Order Number (Lab Use Only):

132400802

EMSL ANALYTICAL, INC. 5 CONSTITUTION WAY, UNIT A WOBURN, MA 01886 PHONE: (781) 933-8411 Fax:(781) 933-8412

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
A52	Room 1014	Air	□ P □NP	mool	752	2-8-24 10:39AM	
A53	Room 1015		□ P □NP	1)	
A54	Room 1012		□ P □NP				
A53 A54 A55	Room 1019	\vee	□ P □NP	\vee	\bigvee	\vee	
			□ P □NP				
			□ P □NP				
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Commonts/0	Inches et la mai		□ P □NP				
Comments/Special	msu acuons:						

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