

March 25, 2024

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

RE: Monthly Surveillance Sampling for Mold, March 2024 Pawtucketville Memorial Elementary School 425 West Meadow Road, Lowell, Massachusetts EFI Project No.: 014.07230

Dear Rick:

On March 6, 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 March of 2024 was conducted by EFI representatives Mr. Peter von Au, CMC, CIEC and Ms. Kamila Zygadlo on March 6, 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 two field blank samples were 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 March 6, 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 March 6, 2024

Location	Time	Result (spores/m ³)
Outdoors	12:09 p.m.	380
Cafeteria	12:08 p.m.	120
Main Office, Room 1008	12:16 p.m.	80
Gymnasium	12:17 p.m.	120
Classroom 1063	12:24 p.m.	100
Classroom 1061	12:26 p.m.	80
Classroom 1038	12:31 p.m.	80
Classroom 1041	12:33 p.m.	100

Pawtuc	OF RESULTS – AIR SAMPLIN ketville Memorial Elementa Meadow Road, Lowell, Mas March 6, 2024	ry School
leastion		Desult (success (m ³)
Location	Time	Result (spores/m ³) 120
Classroom 1043	12:39 p.m.	120
Classroom 1045 Classroom 1066	12:46 p.m.	180
	12:48 p.m.	
Classroom 1068	12:53 p.m.	130
Classroom 1067 Classroom 1069	12:55 p.m.	<u>140</u> 130
Classroom 1071	12:59 p.m.	220
	1:03 p.m.	
Classroom 1072 Classroom 1073	1:05 p.m. 1:11 p.m.	<u> </u>
Classroom 1073	1:11 p.m.	40
Classroom 1074	1:13 p.m. 1:17 p.m.	80
Classroom 1075	1:19 p.m.	40
Classroom 1077	1:27 p.m.	80
Classroom 1078	1:28 p.m.	80
Classroom 1079	1:34 p.m.	80
Classroom 1081	1:35 p.m.	50
Classroom 1082, SPED	1:40 p.m.	40
Classroom 1082, St Eb	1:41 p.m.	40
Outdoors	1:47 p.m.	380
Room 1097, Music	1:49 p.m.	120
Room 1093, Art	1:55 p.m.	100
Classroom 1108	1:57 p.m.	40
Kitchen	2:05 p.m.	280
Library (Room 2018)	2:16 p.m.	420
Classroom 2005	2:18 p.m.	40
Classroom 2004	2:25 p.m.	190
Classroom 2003	2:26 p.m.	130
Classroom 2002	2:31 p.m.	370
Classroom 2001	2:32 p.m.	130
Room 2027, Small Group	2:36 p.m.	140
Room 2028, Testing	2:38 p.m.	390
Room 2019, Teachers	2:42 p.m.	420
Room 2012, Small Group	2:44 p.m.	280
Room 2016 (inside library)	2:50 p.m.	640
Room 2017A (inside library)	2:51 p.m.	470
Outdoors	3:00 p.m.	420
Room 1084	3:02 p.m.	80
Room 1054	3:08 p.m.	170

Lowell Public Schools EFI Project No.: 014.07230 Pawtucketville Memorial Elementary School 425 West Meadow Road, Lowell, Massachusetts

SUMMARY OF RESULTS – AIR SAMPLING FOR MOLD Pawtucketville Memorial Elementary School 425 West Meadow Road, Lowell, Massachusetts March 6, 2024										
Location	Time	Result (spores/m ³)								
Room 1016	3:22 p.m.	80								
Room 1021	3:23 p.m.	40								
Room 1004	3:27 p.m.	80								
Room 1019	3:31 p.m.	40								
Room 1024	3:37 p.m.	160								
Room 1013	3:39 p.m.	40								
Room 1014	3:44 p.m.	200								

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

The March 6, 2024, bioaerosol sampling results mainly (or collectively) 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 (393 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 five), 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 March 6, 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, Ascospores and Basidiospores.

CONCLUSION

Based on the results of the March 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 Marten

Michael McCarter Senior Project Manager Cell: 978-604-7662 <u>Michael.mccarter@efiglobal.com</u>

Attachment: EMSL Analytical Laboratory Report, March 6, 2024

ATTACHMENT

EMSL ANALYTICAL LABORATORY REPORT

March 6, 2024



5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Lab Sample Number: Client Sample ID: Volume (L):	132401427-0001 A01			1:	32401427-0002 A02 75		1:	32401427-0003 A03 75		
Sample Location:	Field Blank			Outdoors				Cafeteria		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	-	-	-	2	80	21.1	-	-	-	
Basidiospores	-	-	-	8	300	78.9	1	40	33.3	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	2	80	66.7	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	-	No Trace	-	10	380	100	3	120	100	
Hyphal Fragment	-	-	-	-	-	-	1	40	-	
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	-	-	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

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%), 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

Initial report from: 03/14/2024 02:28 PM

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Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	pores & Partic	ulates by Optica	Il Microscopy (N	lethods MICR	O-SOP-201, AST	M D7391)		
Lab Sample Number: Client Sample ID: Volume (L):	1:	32401427-0004 A04 75		1:	32401427-0005 A05 75		1;	32401427-0006 A06 75)6	
Sample Location:	Main Office, Room 1008			Gymnasium			С	Classroom 1063		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	1	40	50	-	-	-	-	-	-	
Basidiospores	-	-	-	2	80	66.7	3	100	100	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	1	40	33.3	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	1	40	50	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	2	80	100	3	120	100	3	100	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	-	-	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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Initial report from: 03/14/2024 02:28 PM

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Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	oores & Partic	ulates by Optica	I Microscopy (N	lethods MICR	O-SOP-201, AST	M D7391)		
Lab Sample Number: Client Sample ID: Volume (L):	1	32401427-0007 A07 75		1:	32401427-0008 A08 75		132401427-0009 A09 75			
Sample Location:	Classroom 1061			Classroom 1038			С	Classroom 1041		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	1	40	50	-	-	-	-	-	-	
Basidiospores	1	40	50	1	40	50	3	100	100	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	1	40	50	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	2	80	100	2	80	100	3	100	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	-	-	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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Attention: Peter VonAu

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Lab Sample Number: Client Sample ID: Volume (L):	132401427-0010 A10 75			1:	32401427-0011 A11 75		132401427-0012 A12 75			
Sample Location:	Classroom 1043			Classroom 1045			C	Classroom 1066		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	1	40	33.3	-	-	-	-	-	-	
Aspergillus/Penicillium++	2	80	66.7	1	40	22.2	2	90	50	
Basidiospores	-	-	-	3	100	55.6	2	90	50	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	1	40	22.2	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	3	120	100	5	180	100	4	180	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	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	_	

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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

Initial report from: 03/14/2024 02:28 PM

category.

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	pores & Partic	ulates by Optica	l Microscopy (N	Nethods MICR	O-SOP-201, AST	M D7391)		
Lab Sample Number: Client Sample ID: Volume (L):	1	32401427-0013 A13 75		1:	32401427-0014 A14 75		132401427-0015 A15 75			
Sample Location:	Classroom 1068			Classroom 1067			С	Classroom 1069		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	1	40	30.8	1	40	28.6	-	-	-	
Basidiospores	2	90	69.2	-	-	-	1	40	30.8	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	3	100	71.4	2	90	69.2	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	3	130	100	4	140	100	3	130	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	-	-	2	-	-	1	-	

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Steve Grise, Laboratory Manager

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

Initial report from: 03/14/2024 02:28 PM

category.

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5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	oores & Partic	ulates by Optica	I Microscopy (N	lethods MICR	O-SOP-201, AST	M D7391)		
Lab Sample Number: Client Sample ID: Volume (L):	A16			1:	32401427-0017 A17 75		132401427-0018 A18 75			
Sample Location:	Field Blank			Classroom 1071			С	Classroom 1072		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	-	-	-	1	40	18.2	1	40	50	
Basidiospores	-	-	-	2	90	40.9	1	40	50	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	2	90	40.9	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	-	No Trace	-	5	220	100	2	80	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	0	-	-	43	-	-	43	-	
Analyt. Sensitivity 300x	-	0*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	-	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	-	-	-	1	-	-	1	-	
Background (1-5)	-	-	-	-	2	-	-	1	-	

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

Initial report from: 03/14/2024 02:28 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	pores & Partic	ulates by Optica	I Microscopy (N	lethods MICR	O-SOP-201, AST	M D7391)		
Lab Sample Number: Client Sample ID: Volume (L):	132401427-0019 A19 75			1	32401427-0020 A20 75		132401427-0021 A21 75			
Sample Location:	С	lassroom 1073		С	lassroom 1074		С	lassroom 1075	om 1075	
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	-	-	-	6	300	69.8	-	-	-	
Basidiospores	-	-	-	1	40	9.3	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	2	90	20.9	1	40	50	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	1	40	100	-	-	-	1	40	50	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	1	40	100	9	430	100	2	80	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	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	-	-	3	-	-	2	-	

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++ 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

Initial report from: 03/14/2024 02:28 PM

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5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	pores & Partic	ulates by Optica	Il Microscopy (N	lethods MICR	O-SOP-201, AST	M D7391)			
Lab Sample Number: Client Sample ID: Volume (L):	1:	32401427-0022 A22 75		1:	132401427-0023 A23 75			132401427-0024 A24 75			
Sample Location:	Classroom 1076			Classroom 1077			С	Classroom 1078			
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total		
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-		
Ascospores	-	-	-	-	-	-	-	-	-		
Aspergillus/Penicillium++	-	-	-	1	40	50	-	-	-		
Basidiospores	-	-	-	1	40	50	-	-	-		
Bipolaris++	-	-	-	-	-	-	-	-	-		
Chaetomium++	-	-	-	-	-	-	-	-	-		
Cladosporium	1	40	100	-	-	-	2	80	100		
Curvularia	-	-	-	-	-	-	-	-	-		
Epicoccum	-	-	-	-	-	-	-	-	-		
Fusarium++	-	-	-	-	-	-	-	-	-		
Ganoderma	-	-	-	-	-	-	-	-	-		
Myxomycetes++	-	-	-	-	-	-	-	-	-		
Pithomyces++	-	-	-	-	-	-	-	-	-		
Rust	-	-	-	-	-	-	-	-	-		
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-		
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-		
Unidentifiable Spores	-	-	-	-	-	-	-	-	-		
Zygomycetes	-	-	-	-	-	-	-	-	-		
Total Fungi	1	40	100	2	80	100	2	80	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)	-	2	-	-	1	-	-	2	-		

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EMSL Order: 132401427 Customer ID: EAFI66 **Customer PO: Project ID:**

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230

Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Lab Sample Number: Client Sample ID: Volume (L):	1;	32401427-0025 A25 75		1	32401427-0026 A26 75		132401427-0027 A27 75			
Sample Location:	c	lassroom 1079		с	lassroom 1081		Class	Classroom 1082, SPED		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	1	10*	20	-	-	-	
Aspergillus/Penicillium++	-	-	-	1	40	80	-	-	-	
Basidiospores	1	40	50	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	1	40	50	-	-	-	1	40	100	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	2	80	100	2	50	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)	_	2	-	_	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

Initial report from: 03/14/2024 02:28 PM

category.

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air- Lab Sample Number-	, <i>,</i> ,	sis of Fungal S 32401427-0028 A28	pores & Partic		I Microscopy (N 32401427-0029 A29	Methods MICR	-	M D7391) 32401427-0030 A30	
Client Sample ID: Volume (L):		A26 75			A29 75			A30 75	
Sample Location:	Class	sroom 1083, Pre	e-K		Outdoors		Class	sroom 1097, Mu	sic
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	1	40	10.5	-	-	-
Aspergillus/Penicillium++	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	7	300	78.9	2	80	66.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	100	1	40	10.5	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1	40	33.3
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	9	380	100	3	120	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	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	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

Initial report from: 03/14/2024 02:28 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Lab Sample Number: Client Sample ID: Volume (L):	D-Cell(™) Analysis of Fungal Spores & Partic 132401427-0031 A31 75			I Microscopy (N 32401427-0032 A32 75	lethods MICR		M D7391) 32401427-0033 A33 75		
Sample Location:	Cla	ssroom 1093, A	rt	С	lassroom 1108			Kitchen	
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	-	-	-	3	100	35.7
Basidiospores	3	100	100	-	-	-	3	100	35.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	1	40	14.3
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1	40	100	1	40	14.3
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	3	100	100	1	40	100	8	280	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)	-	1	-	-	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.

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

Initial report from: 03/14/2024 02:28 PM

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5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	pores & Partic			lethods MICR	O-SOP-201, AST	M D7391)	
Lab Sample Number: Client Sample ID: Volume (L):	1:	32401427-0034 A34 75		1:	32401427-0035 A35 75		1	32401427-0036 A36 75	
Sample Location:	Lib	rary, Room 201	8	С	lassroom 2005		С	lassroom 2004	
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	9.5	-	-	-	-	-	-
Aspergillus/Penicillium++	4	200	47.6	-	-	-	2	90	47.4
Basidiospores	2	90	21.4	1	40	100	3	100	52.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	2	90	21.4	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	9	420	100	1	40	100	5	190	100
Hyphal Fragment	1	40	-	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)	-	2	-	-	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

Initial report from: 03/14/2024 02:28 PM

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5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air- Lab Sample Number:	., , ,	32401427-0037	pores & Partic		I Microscopy (N 32401427-0038 A38	lethods MICR	-	32401427-0039	
Client Sample ID: Volume (L):		A37 75			A30 75			A39 75	
Sample Location:		lassroom 2003			lassroom 2002			lassroom 2001	
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	1	40	30.8	2	90	24.3	2	90	69.2
Basidiospores	2	90	69.2	5	200	54.1	1	40	30.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1	40	10.8	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
- Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1	40	10.8	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-		-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	3	130	100	9	370	100	3	130	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	-

+ 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

Initial report from: 03/14/2024 02:28 PM

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Steve Grise, Laboratory Manager or other Approved Signatory



5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air- Lab Sample Number:	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	sis of Fungal S 32401427-0040	pores & Partic		I Microscopy (N 32401427-0041	Methods MICR	-	M D7391) 32401427-0042		
Client Sample ID:		A40			A41			A42		
Volume (L):		75			75			75		
Sample Location:	Room	2027, Small Gr	oup	Roo	om 2028, Testin	g	Roo	Room 2019, Teacher		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	1	40	9.5	
Aspergillus/Penicillium++	3	100	71.4	4	200	51.3	6	300	71.4	
Basidiospores	1	40	28.6	3	100	25.6	1	40	9.5	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	2	90	23.1	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	1	40	9.5	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	4	140	100	9	390	100	9	420	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	-	-	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

Initial report from: 03/14/2024 02:28 PM

category.

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Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	oores & Partic	ulates by Optica	l Microscopy (N	lethods MICR	O-SOP-201, AST	M D7391)		
Lab Sample Number: Client Sample ID: Volume (L):	1;	32401427-0043 A43 75		1:	32401427-0044 A44 75		1	32401427-0045 A45 75		
Sample Location:	Room	2012, Small Gr	oup		Room 2016			Room 2017A		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	- 1	-	-	-	-	-	-	
Ascospores	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium++	1	40	14.3	7	300	46.9	-	-	-	
Basidiospores	4	200	71.4	7	300	46.9	10	430	91.5	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	1	40	6.3	1	40	8.5	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	1	40	14.3	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	6	280	100	15	640	100	11	470	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	-	

† 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

Initial report from: 03/14/2024 02:28 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Lab Sample Number: Client Sample ID: Volume (L):	-O-Cell(™) Analysis of Fungal Spores & Particu 132401427-0046 A46 75				I Microscopy (M 32401427-0047 A47 75	Aethods MICR	132401427-0048 A48 75			
Sample Location:		Outdoors			Room 1084			Room 1054		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	1	40	9.5	-	-	-	-	-	-	
Aspergillus/Penicillium++	1	40	9.5	-	-	-	1	40	23.5	
Basidiospores	7	300	71.4	1	40	50	2	90	52.9	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	1	40	9.5	1	40	50	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	1	40	23.5	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	10	420	100	2	80	100	4	170	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	-	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	2	-	-	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

Initial report from: 03/14/2024 02:28 PM

category.

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



5 Constitution Way, Unit A Woburn, MA 01801 Tel/Fax: (781) 933-8411 / (781) 933-8412 http://www.EMSL.com / bostonlab@emsl.com EMSL Order: 132401427 Customer ID: EAFI66 Customer PO: Project ID:

Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Test Report:Air-	O-Cell(™) Analy	sis of Fungal S	oores & Partic			lethods MICR	O-SOP-201, AST	M D7391)	
Lab Sample Number: Client Sample ID: Volume (L):	1	32401427-0049 A49 75		1:	32401427-0050 A50 75		1	32401427-0051 A51 75	
Sample Location:		Room 1016			Room 1021			Room 1004	
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	1	40	50	1	40	100	-	-	-
Basidiospores	1	40	50	-	-	-	2	80	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	2	80	100	1	40	100	2	80	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	40	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	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	-	-	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

Initial report from: 03/14/2024 02:28 PM

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Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Lab Sample Number: Client Sample ID: Volume (L):	1:	32401427-0052 A52 75		1:	32401427-0053 A53 75		1	32401427-0054 A54 75		
Sample Location:		Room 1019			Room 1024			Room 1013		
Spore Types	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	Raw Count†	Count/m ³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	-	-	-	1	40	25	-	-	-	
Aspergillus/Penicillium++	-	-	-	1	40	25	-	-	-	
Basidiospores	1	40	100	2	80	50	1	40	100	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Total Fungi	1	40	100	4	160	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			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

Initial report from: 03/14/2024 02:28 PM

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Attention: Peter VonAu

EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887 Project: PMES 014.07230 Phone: (978) 688-3736 Fax: (978) 688-5494 Collected Date: 03/06/2024 Received Date: 03/07/2024 02:30 PM Analyzed Date: 03/12/2024 - 03/14/2024

Lab Sample Number: Client Sample ID: Volume (L):	13	32401427-0055 A55 75							
Sample Location:		Room 1014							
Spore Types	Raw Count†	Count/m ³	% of Total	-	-	-	-	-	-
Alternaria (Ulocladium)	-	-	-		-	-	-	-	
Ascospores	-	-	-			-			
Aspergillus/Penicillium++	-	-	-						
Basidiospores	4	200	100			-			
Bipolaris++	-	-	-						
Chaetomium++	-	-	-			-			
Cladosporium	-	-	-			-			
Curvularia	-	-	-			-			
Epicoccum	-	-	-			-			
Fusarium++	-	-	-			-			
Ganoderma	-	-	-			-			
Myxomycetes++	-	-	-			-			
Pithomyces++	-	-	-						
Rust	-	-	-			-			
Scopulariopsis/Microascus	-	-	-						
Stachybotrys/Memnoniella	-	-	-			-			
Unidentifiable Spores	-	-	-						
Zygomycetes	-	-	-			_			
Total Fungi	4	200	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

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Initial report from: 03/14/2024 02:28 PM

category.

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

EMSL ANALYTIC, LABORATORY, PRODUCTS Company Name: Street: 155				nber (Lab Use On	y).		Vonues	1004
Company Name:		1	3240	1427		Рн	Voburn, MA (one: (781) 93	3-8411
		L				F	AX:(781) 933	-8412
	EFIGLOD	n					e Different	
	1111	reet		Third Party B	illing requir	res written au	uthorization from	third party.
City: Wilmin	whether s	tate/Province:	MA	Zip/Postal Code:	0158	7	Country: L	ISA
Report To (Name	Peter	von Au		Telephone #: 9	78.56	3.840	21	
Email Address:	peter. vov	navpefig	lobel Con	Fax #:		Ū	Purchase O	rder:
Project Name/Nu		014.07230		Please Provide R	Results:	🗌 Fax [Email	
U.S. State Sample		Project	Zip Code: ()	1854 Conn	ecticut Sa	amples: 🗌	Commercial	Residentia
		and the second state of th	the second second second second second	ed: 🗌 Biocide Use				
Public	Water Supply Sa			ay automatically be	-	to DOH if	required by s	tate.
3 Hour	6 Hour	Turnarou	nd Time (TAT) Options * - Please	-	6 Hour	X 1 Week	2 Week
L 3 HOUR	L 6 Hour			gy Test Codes		6 HOUR	ATWeek	Z week
M001 Air-O-Cell	M174 Mol	dSnap		monas aeruginosa (P//	4***)	M115 Sew	age Screen - Wa	ater (P/A***)
M030 Micro 5	M032 Alle		M024 Pseudo	monas aeruginosa (MF rophic Plate Count		M116 Sew	age Screen - Wa	ater (MPN**)
M041 Fungal Direct E			M017 Total C	oliform & E. coli (Coliler		M013 Sew	age Screen - Sw	vab (MFT*)
M169 Pollen ID & En M280 Dust Character				oliform & <i>E. coli</i> (MFT*) oliform & <i>E. coli</i> Enume		M133 Met (MRSA)	hicillin-resistant S	Staph. aureus
M281 Dust Characte			(Colilert MPN	**)		M031 Rap	id-growing non-T	B Mycobacteria
M005 Viable Fungi-				coliform (MFT*) treptococcus (MFT*)			& Enumeration otoxin Analysis	
M006 Viable Fungi- A Aspergillus, Cladosp	orium, Stachybotrys	Species ID &	M029 Enterod	cocci (MFT*)		M044 Grou	p Allergen (Cat,	Dog, Cockroach
Count)				me gPCR-ERMI 36 Par		Dust Mite) Other See	Analytical Price	Guide
M007 Culturable fung Count)	gi - Surface Sample	s (Genus ID &		e Screen -Water (MFT		Legionella	Analysis Pleas	
M008 Culturable fung Penicillium, Aspergill						Legionella	COC	
Species ID & Count)			*MFT= Memb	rane Filtration Techniqu	IA	~ 1		1
M009 Bacteria Cultur M010 Bacteria Count			**MPN= Most	Probable Number				
M011 Bacteria Count			***P/A= Prese	ince/Absence		+		
Name of Sampler	: Leter	· von Au		Signature of Sam	pler:	MA	X.	me
Sample #	1	tion/Description	Sample	Potable/ NonPotable	Test	Volume/	Date/Time	Temperature (°C)
oumpie #	Cumple Local	aon/besenpaon	Туре	(Only for Waters)	Code U	Area	Collected	(Lab Use Only
Example A1	Kitchen Sink/Ta	an	Water		M017	100 mL	9/1/13 4:00 PM	1.199
AOI	FIELD BU		Air		MODI	TOOTIL	4.00 1 10	
HOZ	OUTDOO		1		1	752	3/6/24 12:04 PM	# (14)
AO3	CAFETER							
A04		E, ROOM 1009						
A05	GYMNASI		V		V	V	V	
Client Sample # (s	s): A01 - F	155 M	Total # of	Samples: 55.7V		as Receive		Yes / No
Relinquished (Clie		S. JONA//	NAN N	Date: 36 24	and the second se	Time:	2:30 21	M
Received (Lab):	1-10-1	· · · · · · · · · · · · · · · · · · ·	1	Date:		Time:		
Comments/Specia	al Instructions:	v	1/	1				
				1				

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REC'D SPG 1430 walk in EMSL-BOSTON MAR 07 2024

OrderID: 132401427



Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

132401427

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
A06	CLASSROOM 1063	Air		MOOL	75L	3/6/24 12:04PM	
A07	CLASSROTM 1061		□ P □NP	1			
ADR	CLASSROOM 1038		□ P □NP				
Aog	CLASSROOM 1044						
AID	CLASSROOM 1043						
All	CLASS ROOM 1045						
AIZ	CLASSROOM 1066						
A13	CLASSROOM 1068						Sheller and
A14	CLASSROOM 1067						
AIS	CLASSROOM 1069						
Alb	FIELD BLANK						
AIZ	CLASSROOM 1071						a states and
A18	CLASSROOM 1072						
AM	CLASSROOM 1073						
A20	CUASSROOM 1074						
A21	CLASSROOM 1075						
A22	CLASSROOM 1076						
A23	CLASSROOM 1077						
A24	CLASSROOM 1078						
A25	CLASSROOM 1079						
A26	CLASSROOM 1081						Street.
A27	CLASSROOM 1082, SPED					,	
A28	CLASSROOM 1083-PRE-K	V		V	V	\vee	

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Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only
A29	OUTDOORS	AIR		moor	75L	3/6/24 12:04PM	
A30	CLASSROOM 1097, MUSIC		□ P □NP				
ABI	CLASSROOM 1093, ART		□ P □NP				
A32	WASSROOM 1108		□ P □NP				
A33	KITCHEN		□ P □NP				
A34	LIBRARY, ROOM 2018		□ P □NP				
A35	CLASSROOM 2005		□ P □NP				
A36	CLASSROOM 2004		□ P □NP				United
A37	CLASSROOM 2003		□ P □NP				
A38	CLASS ROOM 2002		□ P □NP			1.1.1	
A39	CLASSROOM 2001		□ P □NP				
A40	ROOM 2027, SMAU GROUP		□ P □NP			1 and 1 and	
A41	ROOM 2028, TESTING		□ P □NP				
A42	ROOM 2019, TEACHERS		□ P □NP				
A43	ROOM 2012, SMALL GROUP		□ P □NP				
A44	R00M 2016		□ P □NP				The second se
A45	Room 2017A		□ P □NP				Service in
A46	OUTDOORS		□ P □NP				
A47	R00m 1084		□ P □NP				
A48	Room 1054						
A49	ROOM 1016						Contraction of the
ASO	ROOM 1021	1					
A51	ROOM 1004	V		V	V	\vee	

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132401427

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	Potable/ NonPotable only for Waters)	Test Volume/ Code Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
100	P DNP	MOOI 752	3/6/24 12:04PM	
	P □NP			
	P DNP			
r	P NP	VV	\checkmark	
	P NP			
	P DNP			
	P DNP			
	P DNP			P. Constant
	P DNP			
	P DNP			
	P 🗌 NP			
	P 🗆 NP			Design Designed
	P NP			
	P DNP			
	P DNP			
	P []NP			
	P DNP			
	P NP			
	P []NP			
	P DNP			Second State
	P DNP			
	P NP			
	P DNP			

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