eurofins | Built Environment Testing

Report for:

Brad Roberts
Berks Fire Water Restoration
1145 Commons Blvd
Reading, PA 19605

Regarding: Eurofins Built Environment Testing East, LLC
Project: Schuykill Valley SD-10; IAQ
EML ID: 4315055

Approved by:

Technical Manager
Ariunaa Jalsrai

Dates of Analysis:
Spore trap analysis: 11-20-2025

Service SOPs: Spore trap analysis (EB-MY-S-1038)
AIHA LAP, LLC accredited service, Lab ID #103005

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume.

Eurofins Built Environment Testing East, LLC's LabServe® reporting system includes automated fail-safes to ensure that all AIHA LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

Eurofins Built Environment Testing East, LLC
3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
(866) 871-1984 www.eurofinsus.com/Built

Client: Berks Fire Water Restoration
C/O: Brad Roberts
Re: Schuykill Valley SD-10; IAQ

Date of Sampling: 11-18-2025
Date of Receipt: 11-19-2025
Date of Report: 11-21-2025

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	4125 3325: Classroom E-121			4125 3318: Outside		
Comments (see below)	None			None		
Lab ID-Version‡:	21602393-1			21602394-1		
Analysis Date:	11/20/2025			11/20/2025		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Ascospores						
Basidiospores	2	25	110	3	25	160
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium				3	25	160
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes				2	100	27
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			< 1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			110			350

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst

Analyst: Benjamin Reich

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Comments (see below)	None		None	
Lab ID-Version‡:	21602393-1		21602394-1	
Analysis Date:	11/20/2025		11/20/2025	
	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores				
Aureobasidium				
Basidiospores	2	110	3	160
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			3	160
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Other colorless				
Penicillium/Aspergillus types†				
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes			2	27
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)	1+		1+	
Hyphal fragments/m3	< 13		< 13	
Pollen/m3	< 13		< 13	
Skin cells (1-4+)	1+		< 1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		110		350

Comments:

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PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst

Analyst: Benjamin Reich

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MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 4125 3318, Outside

Fungi Identified	Outdoor data	Typical Outdoor Data for: November in Pennsylvania† (n‡=2807)						Typical Outdoor Data for: The entire year in Pennsylvania† (n‡=32292)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	7	13	27	53	80	41	11	13	40	93	160	43
Bipolaris/Drechslera group	-	7	7	13	27	40	7	7	7	13	33	53	9
Chaetomium	-	7	7	13	21	40	3	7	7	13	27	40	3
Cladosporium	160	53	110	370	1,100	1,900	86	53	130	590	2,000	3,600	84
Curvularia	-	7	7	13	33	53	9	7	8	17	53	86	16
Nigrospora	-	7	7	13	33	53	17	7	7	13	40	67	16
Penicillium/Aspergillus types	-	53	67	180	500	800	48	53	53	210	590	1,000	47
Stachybotrys	-	7	13	13	33	43	< 1	7	7	13	53	190	< 1
Torula	-	7	7	13	33	53	6	7	11	13	47	67	7
Seldom found growing indoors**													
Ascospores	-	53	80	210	640	1,100	79	53	130	590	2,000	3,400	80
Basidiospores	160	160	320	1,200	3,600	6,700	98	110	270	1,800	7,600	14,000	96
Rusts	-	7	13	20	53	93	27	7	13	27	53	110	21
Smuts, Periconia, Myxomycetes	27	13	17	53	130	210	74	13	13	40	110	190	60
§ TOTAL SPORES/m3	350												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by Eurofins Built Environment Testing and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, Eurofins Built Environment Testing may not have received and tested a representative number of samples for every region or time period. Eurofins Built Environment Testing hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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MoldRANGE™: Extended Outdoor Comparison

PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst

Analyst: Benjamin Reich

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MoldSCORE™: Spore Trap Report

Outdoor Sample: 4125 3318 Outside

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		3	160
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		ND	< 13
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores		ND	< 13
Basidiospores		3	160
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		2	27
Total			**347**

Location: 4125 3325 Classroom E-121

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		2	110		111
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**111**

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MoldSCORE™: Spore Trap Report

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** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

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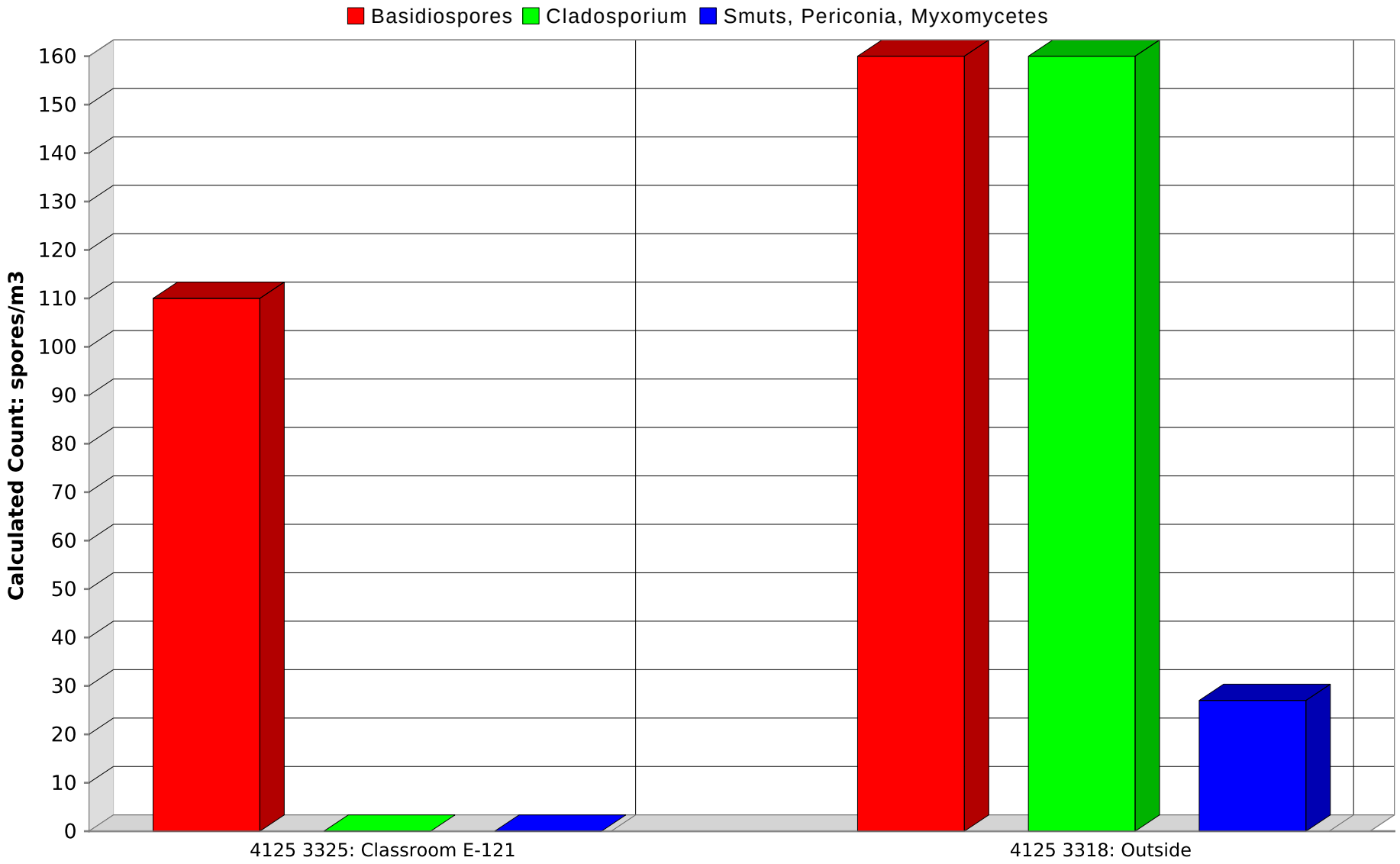
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

Note: Graphical output may understate the importance of certain "marker" genera.