

Report for:

Garrett Roth
Berks Fire Water Restoration
1145 Commons Blvd
Reading, PA 19605

Regarding: Eurofins Built Environment Testing East, LLC
Project: Schuylkill Valley School District; IAQ
EML ID: 4209727

Approved by:

Dates of Analysis:
Spore trap analysis: 09-02-2025



Technical Manager
Ariunaa Jalsrai

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.

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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.

Client: Berks Fire Water Restoration
 C/O: Garrett Roth
 Re: Schuylkill Valley School District; IAQ

Date of Sampling: 08-29-2025
 Date of Receipt: 09-02-2025
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	3964 8583: D-44 Practice			3964 8557: Outside		
Comments (see below)	None			None		
Lab ID-Version‡:	21047333-1			21047334-1		
Analysis Date:	09/02/2025			09/02/2025		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria				1	100	13
Ascospores	2	25	110	18	25	960
Basidiospores	12	25	640	122	25	6,500
Chaetomium						
Cladosporium				42	25	2,200
Curvularia	1	100	13			
Epicoccum	1	100	13			
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†				3	25	160
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes				1	100	13
Stachybotrys						
Stemphylium						
Torula	2	100	27	4	100	53
Ulocladium						
Zygomycetes						
Background debris (1-4+)	2+			3+		
Hyphal fragments/m3	< 13			13		
Pollen/m3	< 13			40		
Skin cells (1-4+)	1+			< 1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			800			9,900

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/m³ divided by the raw count, expressed in spores/m³, 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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PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst



Analyst: Isabel Marquez

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MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 3964 8557, Outside

Fungi Identified	Outdoor data	Typical Outdoor Data for:						Typical Outdoor Data for:					
		August in Pennsylvania† (n‡=3691)						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	13	13	13	40	100	160	67	11	13	40	93	160	43
Bipolaris/Drechslera group	-	7	7	13	33	53	16	7	7	13	33	53	9
Chaetomium	-	7	7	13	27	41	2	7	7	13	27	40	3
Cladosporium	2,200	240	430	1,200	2,800	4,600	95	53	130	590	2,000	3,600	84
Curvularia	-	7	13	20	53	93	36	7	8	17	53	86	16
Epicoccum	-	7	13	27	53	93	48	7	13	27	67	110	39
Nigrospora	-	7	8	13	40	53	24	7	7	13	40	67	16
Penicillium/Aspergillus types	160	76	110	320	960	1,600	49	53	53	210	590	1,000	47
Stachybotrys	-	7	7	13	31	150	< 1	7	7	13	53	190	< 1
Torula	53	7	13	20	53	80	12	7	11	13	47	67	7
Seldom found growing indoors**													
Ascospores	960	290	510	1,200	2,800	4,300	98	53	130	590	2,000	3,400	80
Basidiospores	6,500	1,200	2,300	6,400	16,000	26,000	> 99	110	270	1,800	7,600	14,000	96
Rusts	-	7	13	20	53	93	29	7	13	27	53	110	21
Smuts, Periconia, Myxomycetes	13	13	13	40	93	160	70	13	13	40	110	190	60
§ TOTAL SPORES/m3	9,900												

†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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MoldSCORE™: Spore Trap Report

Outdoor Sample: 3964 8557 Outside

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria	█				1	13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium	██████████				42	2,200
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†	█				3	160
Stachybotrys					ND	< 13
Torula	█				4	53
Seldom found growing indoors**						
Ascospores	██████████				18	960
Basidiospores	██████████	██████████			122	6,500
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes	█				1	13
Total						9,947

Location: 3964 8583 D-44 Practice

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					ND	< 13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					ND	< 13
Curvularia	█				1	13
Epicoccum	█				1	13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					ND	< 13
Stachybotrys					ND	< 13
Torula	█				2	27
Seldom found growing indoors**						
Ascospores	█				2	110
Basidiospores	██████████				12	640
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					ND	< 13
Total						800

MoldSCORE‡			
100	200	300	Score
█			100
█			100
█			100
█			100
█			100
█			105
█			105
█			100
█			100
█			100
█			109
█	█		113
█	█		112
█			100
█			100
Final MoldSCORE			119

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†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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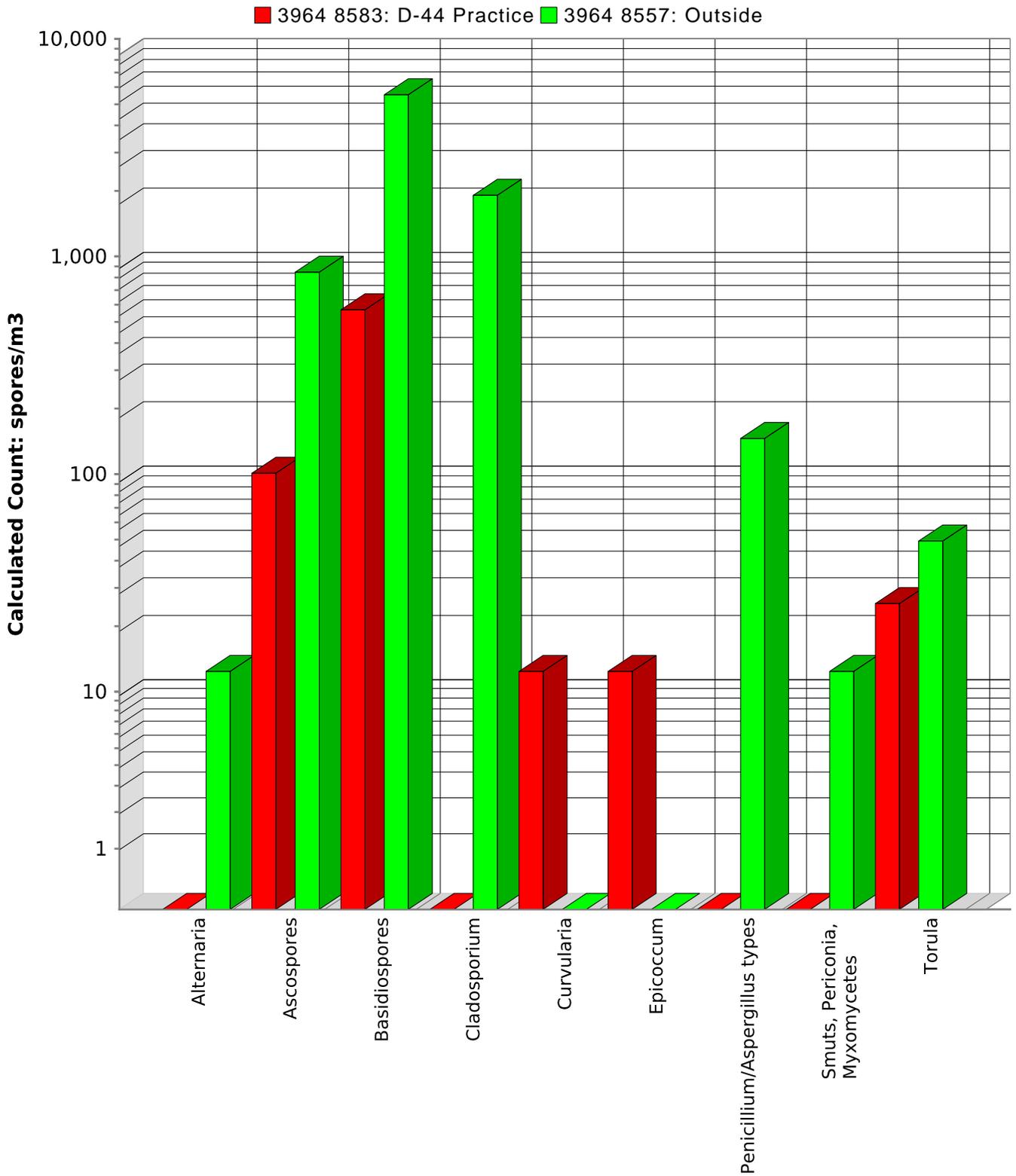


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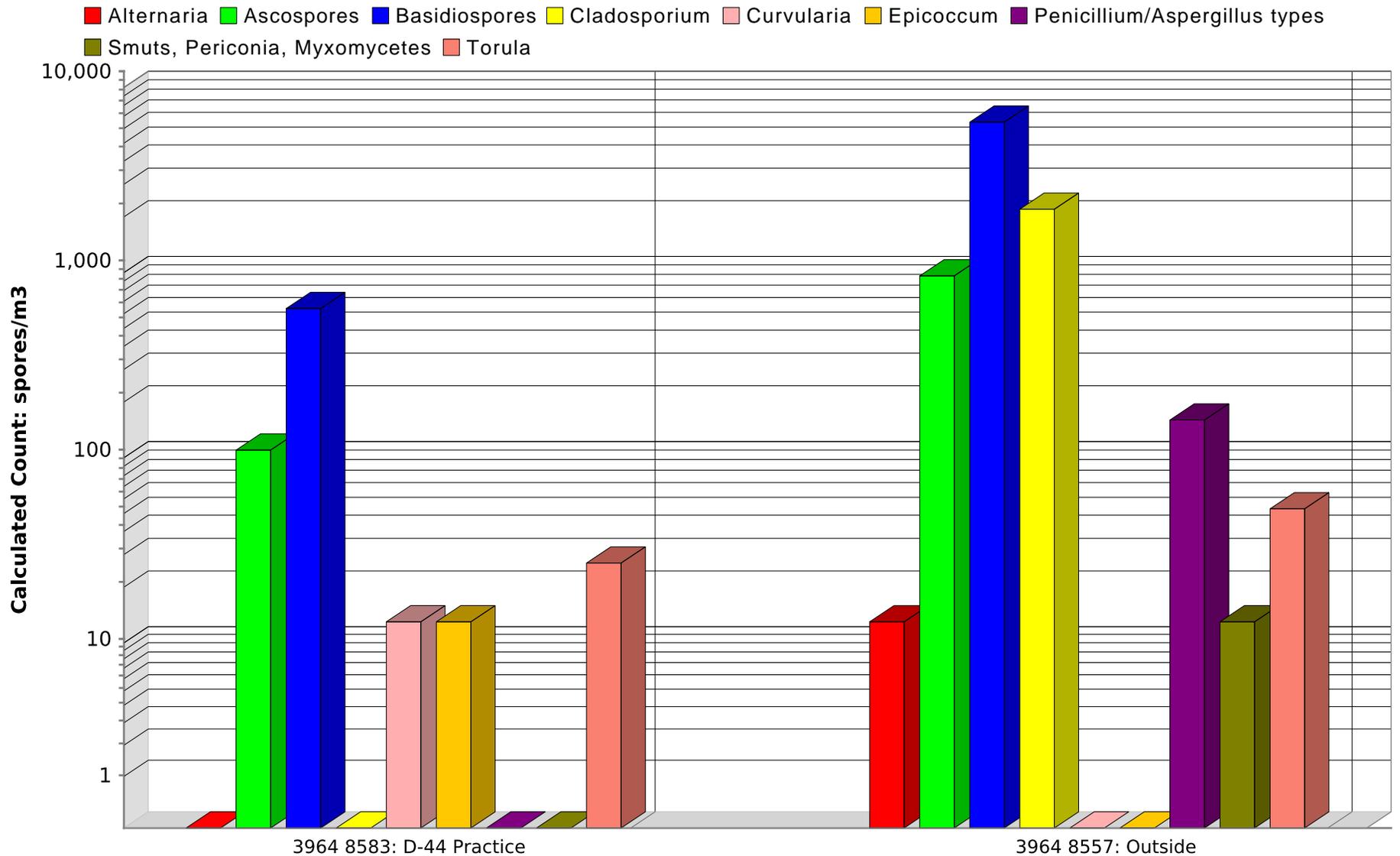
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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