FALL, 2021 INDOOR AIR QUALITY SURVEY

of

COUNTRY MEADOWS ELEMENTARY SCHOOL / WOODLAWN MIDDLE SCHOOL 6360-6362 GILMER ROAD LONG GROVE, LAKE COUNTY, ILLINOIS

PREPARED FOR:

Kildeer Countryside C.C.S.D #96 1072 Ivy Hall Lane Buffalo Grove, Illinois 60089

JMS PROJECT: J-24565

PREPARED BY:

JMS Environmental Associates, Ltd. 816 Burr Oak Drive Westmont, Illinois 60559

816 Burr Oak Drive ● Westmont, IL. 60559 ● Tel: (630) 655-8500 ●

October 15, 2021

Kildeer Countryside C.C.S.D #96 1072 Ivy Hall Lane Buffalo Grove, Illinois 60089

Attn.: Sam Miranda

Facilities Director

RE: Fall, 2021 Indoor Air Quality (IAQ) Survey;

Country Meadows Elementary School / Woodlawn Middle School

6360-6362 Gilmer Road Long Grove, County, Illinois

JMS Project: J-24565

Dear Mr. Miranda:

The following report covers the Fall, 2021 Indoor Air Quality (IAQ) Survey that JMS Environmental Associates, Ltd. (JMS) performed for Kildeer Countryside C.C.S.D #96 at Country Meadows Elementary School / Woodlawn Middle School located at 6360-6362 Gilmer Road, Long Grove, Lake County, Illinois. The Fall, 2021 IAQ Survey environmental testing was performed on October 11, 2021, in representative areas around the Elementary/Middle School during the morning with no students or staff present to acquire a seasonal baseline. A visual environmental inspection was also performed around the Elementary / Middle School prior to the airborne testing phase. The visual environmental inspection indicated minimal signs of discoloration on limited ceiling tiles, primarily concentrated along the western portion of the elementary school. JMS noticed that the Country Meadow Elementary School side of the facility was slightly more humid than the Woodlawn Middle School side as well.

JMS performed IAQ environmental testing with representative air samples collected from representative areas of the school, which include the following: Room 504, Room101, Room 502, Room 600, Lab 608, Room 616, Special Education Corridor, Room 706, Room 716, Room 802, Learning Center 511, Room 812, Tech Lab Corridor, Middle School Cafeteria, Kitchen Area, Elementary School Cafeteria, Room 300, Room 102, Computer Lab Corridor, Room 202, Room 214, Learning Center 319, Room 116, and Outside Entrance (Pre/Post Testing Outside Air Control).

The IAQ analytes tested for this IAQ Survey included the following: 1) Airborne Microbial Spores; 2) Direct Microscopic Swab Examination; 3) Airborne Ultra-Fine Dust Particulates; and 4) Volatile Organic Compounds/Carbon Dioxide/Temperature/Relative Humidity.

Kildeer Countryside C.C.S.D #96: Fall, 2021 Indoor Air Quality Survey 6360-6362 Gilmer Road/ Long Grove, Illinois

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Regarding the Airborne Microbial Spore sampling, representative samples were collected within the school with the majority of the samples being non-detect for microbial and only a small quantity detections of background particulate debris. Outdoor control samples were also collected during the testing sequence per standard microbial IAQ protocol. There are no current United States Environmental Protection Agency (EPA) concentration limits for environmental microbials; so, a comparative and qualitative study is made of the indoor sampled molds per current recommended environmental protocols. The outdoor mold concentrations were typical for an early autumn day. Concentrations of outdoor microbial species were relatively higher for the outdoor sample than the indoor samples, because of the temperate fall morning and humid/rainy outdoor conditions

Direct Microbial Swabs were taken at five (5) locations with visible discoloration on overhanging ceiling tiles. The locations were Room 202, Room 218, Room 122, Room 400, and Room 404. All five swabs showed no mold growth.

Total Ultra-Fine Airborne Dust Particulates, Volatile Organic Compounds, and Carbon Dioxide concentrations were measured throughout the school. The samples areas in the school were comparable and/or lower than other sampled indoor/outdoor control areas of the school. All indoor sampling locations were normal for a regular day and lower than the outdoor air.

Based upon the IAQ environmental testing, the following environmental recommenddations can be made for the school:

Continue with the normal and daily cleaning cycles. Air flow is recommended to be constant throughout the school to counter stagnant air and lower humidity levels. Air Conditioning should be running during warmer periods of the year. Dehumidification and mechanical exhaust ventilation in the attic spaces are recommended and should continue to assist in providing a more comfortable indoor environment.

Kildeer Countryside C.C.S.D #96: Fall, 2021 Indoor Air Quality Survey

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Note, this report does not constitute any conclusions regarding any medical effects from environmental concerns or molds. A trained and experienced medical physician should be consulted regarding the physiological effects of environmental indoor air and molds.

Enclosed for review are the actual laboratory results. If you have any questions, please do not hesitate to contact us at JMS.

Respectfully submitted,

JMS ENVIRONMENTAL ASSOCIATES, LTD.

must. melga

Joseph M. Sterner, MS

Environmental Director/President

APPENDIX 'A'
ANALYTICAL RESULTS



Kildeer Countryside C.C.S.D #96: Fall, 2021 Indoor Air Quality Survey 6360-6362 Gilmer Road / Long Grove, Illinois JMS Project: J-24565

October 15, 2021

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MICROBIAL INDOOR AIR QUALITY (IAQ) ANALYTICAL RESULTS:

Sampling Date: October 11, 2021

Country Meadow Elementary School / Woodlawn Middle School 6360-6362 Gilmer Road Long Grove, Illinois

AIRBORNE (Non-Viable) MICROBIAL MOLD TESTING

Sample I.D./Location

Sample Concentration (Spores/m3)

Sample I.D. 4367929 Outside Air Pre-Test Sample (Outside Entrance)

25,000

The primary mold species detected included Alternaria (110), Ascospores (2,700), Basidiospores (18,000), Cercospora (330), Cladosporium (3,000), Nigrospora (13), Penicillium / Aspergillus types (160), Polythrincium (13), Rusts (27), and Smuts, Periconia, Myxomycetes (40).

Sample I.D. 4367934

Room 504

<13

No primary mold species detected.

Sample I.D. 4367939

Room 101

<13

No primary mold species detected.

Sample I.D. 4367944

Room 502

160

The primary mold species detected included Basidiospores (110), and Cladosporium (53).

Sample I.D. 4367949 Room 600 800 The primary mold species detected included Basidiospores (640) and Penicillium / Aspergillus types. (160). Sample I.D. 4367945 Lab 608 1,000 The primary mold species detected included Ascospores (53), Basidiospores (800), and Cladosporium (160). Sample I.D. 4367940 Room 616 2,400 The primary mold species detected included Ascospores (160), Basidiospores (1,900), Cladosporium (320), and Rusts (13). Sample I.D. 4367935 80 Special Education Corridor The primary mold species detected included Basidiospores (23), Epicoccum (13) and Smuts, Periconia, Myxomycetes (13). Sample I.D. 4367931 Room 706 110 The primary mold species detected included Ascospores (53), and Basidiospores (53). Sample I.D. 4367930 230 Room 716 The primary mold species detected included Ascospores (53), Basidiospores (110), Cladosporium (53), and Rusts (13). Sample I.D. 4367932 Room 802 53 The primary mold species detected included Basidiospores (53). Sample I.D. 4367950 53 Learning Center 511 The primary mold species detected included Cladosporium (53).

Sample I.D. 4367933 Room 812	53
The primary mold species detected included Basidiospores (5	73).
Sample I.D. 4367936	
Tech Lab Corridor	53
The primary mold species detected included Penicillium / As	pergillus types (53).
Sample I.D. 4367951	
Middle School Cafeteria	210
The primary mold species detected included Ascospores (53)	, and Basidiospores (160).
Sample I.D. 4367937	
Kitchen Area	110
The primary mold species detected included Ascospores (110	0).
Sample I.D. 4367941	
Elementary School Cafeteria	160
The primary mold species detected included Ascospores (53)	and Basidiospores (110).
Sample I.D. 4367938	
Room 300	130
The primary mold species detected included Basidiospores (Rusts (13).	110), Pithomyces (13), and
Sample I.D. 4367953	
Room 102	53
The primary mold species detected included Ascospores (53)).
Sample I.D. 4367952	
Computer Lab Corridor	<13
No primary mold species detected.	
	and a state of
Sample I.D. 4367947 Room 202	

Sample I.D. 4367942 Room 214

110

The primary mold species detected included Cladosporium (110).

Sample I.D. 4367948 Learning Center 319

270

The primary mold species detected included Basidiospores (270).

Sample I.D. 4367946 Room 116

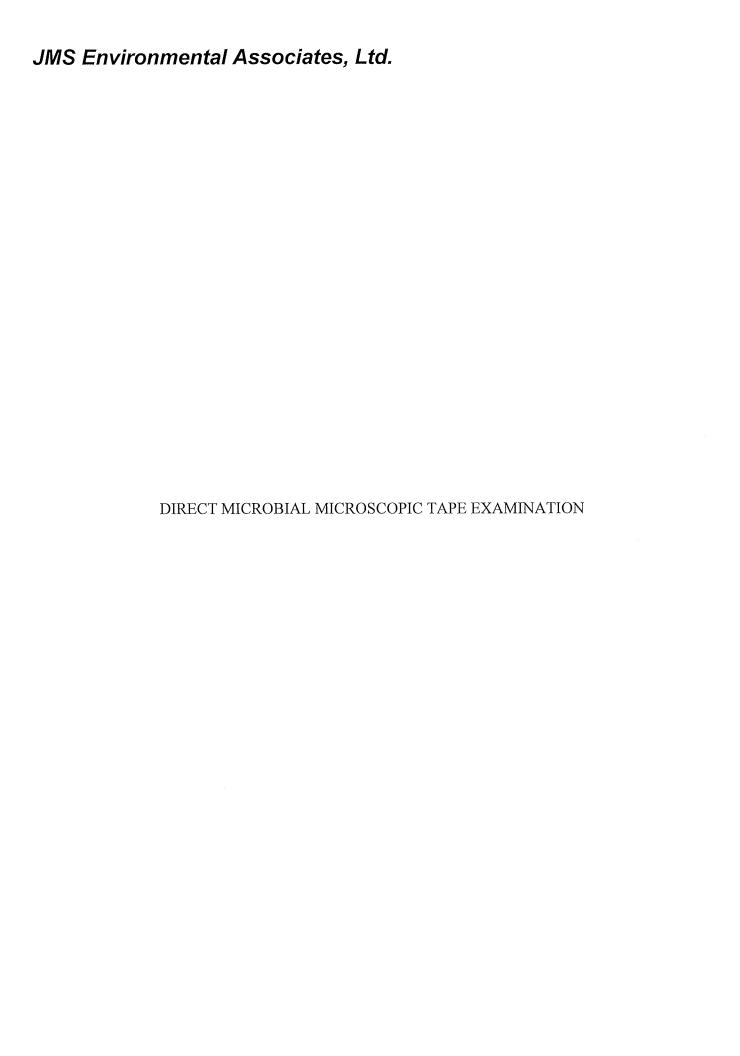
530

The primary mold species detected included Basidiospores (270), Cladosporium (53), and Penicillium / Aspergillus types (210).

Sample I.D. 4367943 Outside Air Post Test Sample (Outside Entrance)

13,000

The primary mold species detected included Alternaria (80), Ascospores (1,800), Basidiospores (9,500), Bipolaris / Drechslera types (13), Cercospora (67), Cladosporium (1,500), Epicoccum (13), and Pithomyces (13), Rusts (27), and Smuts, Periconia, Myxomycetes (40).



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DIRECT MICROBIAL MICROSCOPIC TAPE EXAMINATION ANALYTICAL RESULTS:

Sampling Date: October 11, 2021

Country Meadow Elementary School / Woodlawn Middle School 6360-6362 Gilmer Road Long Grove, Illinois

SURFACE (Viable) MICROBIAL MOLD TESTING

Sample I.D./Location General Impression

Sample I.D. 24565-10-1101

Classroom 202 – Discolored Ceiling Tile

No primary mold species were detected.

Normal Trapping

Sample I.D. 24565-10-1102

Classroom 218 – Discolored Ceiling Tile

No primary mold species were detected.

Normal Trapping

Sample I.D. 24565-10-1103

Classroom 112 – Discolored Ceiling Tile

No primary mold species were detected.

Normal Trapping

Sample I.D. 24565-10-1104

Classroom 400 – Discolored Ceiling Tile

No primary mold species were detected.

Normal Trapping

Sample I.D. 24565-10-1105

Classroom 404 – Discolored Ceiling Tile

No primary mold species were detected.

Normal Trapping

JMS Environmental Associates, Ltd. DIRECT READING IAQ TESTING FIELD DATA

Kildeer Countryside C.C.S.D #96: Fall, 2021 Indoor Air Quality Survey

6360-6362 Gilmer Rd / Long Grove, Illinois

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MICROBIAL INDOOR AIR QUALITY (IAQ) ANALYTICAL RESULTS:

Sampling Date: October 11, 2021

Country Meadow Elementary School / Woodlawn Middle School 6360-6362 Gilmer Road Long Grove, Illinois

Indoor Air Quality (IAQ) Sample Concentrations

Sample Location	Volatile Organic Compounds (ppm)	Carbon Dioxide (ppm)	Temperature (Fahrenheit)	Relative Humidity (Percentage)	Ultra-Fine Particulate (PT/CC)
Pre-Test	0.5	360	71.5	80.0	4560
Outside Air		200		0 0 1 0	
Room 504	0.2	378	70.1	59.1	1620
Room 101	0.2	390	69.9	59.4	1780
Room 502	0.2	411	69.2	60.1	2170
Room 600	0.2	439	69.2	63.9	1670
Lab 608	0.2	444	70.1	63.0	1620
Room 616	0.2	465	69.4	63.1	1580
Special	0.2	511	70.6	63.8	1390
Education					
Corridor					
Room 706	0.2	440	70.7	62.5	1340
Room 716	0.2	451	70.6	62.7	1600
Room 802	0.2	450	71.3	51.7	672
Learning	0.2	433	71.1	56.4	1310
Center 511					
Room 812	0.2	439	71.9	50.6	447
Tech Lab	0.2	445	72.5	55.9	1370
Corridor					
Middle	0.2	445	72.2	45.9	1650
School					
Cafeteria					
Kitchen	0.2	433	72.7	49.36	1580
Area					

Elementary	0.2	443	71.5	57.5	1700
School					
Cafeteria					
Room 300	0.2	435	70.6	62.0	2350
Room 102	0.2	465	73.7	59.9	1890
Computer	0.2	452	72.8	60.0	2150
Lab					
Corridor					
Room 202	0.2	436	72.9	62.5	1980
Room 214	0.2	435	70.8	63.1	2420
Learning	0.1	436	71.1	60.9	3220
Center 319					
Room 116	0.2	437	70.0	64.1	2560
Post Test	0.6	433	72.1	84.4	5680
Outside					
Area					

Note: Volatile Organic Compounds (VOCs) and Carbon Dioxide (CO2) concentrations are measured and reported as parts per million (ppm). Relative Humidity concentrations are reported as a percentage. Temperature concentrations are reported as degrees Fahrenheit. Ultra-Fine Particulate concentrations are reported as particles per cubic centimeters.

Typical indoor office/school environments have Carbon Dioxide concentration ranges of 500-1,000 ppm during a normal day.



Report for:

Joe Sterner JMS Environmental Associates, Ltd. 816 Burr Oak Drive Westmont, IL 60559

Regarding:

Project: J-24565; Woodlawn/Countryside

EML ID: 2757051

lun

Approved by:

Cluster Leader Dr. Kamash Pillai Dates of Analysis:

Spore trap analysis: 10-12-2021

Service SOPs: Spore trap analysis (EM-MY-S-1038) AIHA-LAP, LLC accredited service, Lab ID #176641

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 EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K'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.

1815 West Diehl Road, Suite 800, Naperville, IL 60563 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	Pre	7929: Test de Air		7934: n 504		7939: s Office		7944: m 502		7949: m 600
Comments (see below)		one	N	one	N	one	N	one	N	one
Lab ID-Version‡:	1319	2825-1	13192826-1		13192	2827-1	1319	2828-1	1319	2829-1
Analysis Date:		2/2021		2/2021	30100 0000	2/2021		2/2021	10/12/2021	
Timely one Dutter	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	8	110		(4) (1) <u></u>					- 11	
Ascospores	50	2,700						*		
Basidiospores	344	18,000					2	110	12	640
Bipolaris/Drechslera group	-	,								
Cercospora	25	330								
Chaetomium									1 1 4	
Cladosporium	56	3,000					1	53		-
Epicoccum								4 ,		
Nigrospora	1	13								
Other colorless										
Penicillium/Aspergillus types†	3	160					_		3	160
Pithomyces										
Polythrincium	1	13								,
Rusts	2	27								
Smuts, Periconia, Myxomycetes	3	40								
Stachybotrys										
Stemphylium										
Torula										
Ulocladium										
Zygomycetes										
Background debris (1-4+)††	3+	9	< 1+		< 1+		1+		2+	
Hyphal fragments/m3	170		< 13		< 13		< 13		< 13	
Pollen/m3	40		< 13		13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		25,000		< 13		< 13		160		800

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 analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

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".

[†] 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.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:		7945: m 608		57940: om 616		57935: ED Hallway	4367931: Room 706	
Comments (see heleve)		lone		lone		lone		lone
Comments (see below)		STANDE TO STAND		200410-2201		the section of		NACTOR .
Lab ID-Version‡:		2830-1		2831-1	0.0000000000000000000000000000000000000	2832-1	13192833-1	
Analysis Date:	10/1	2/2021	10/1	2/2021		2/2021		2/2021
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Ascospores	1	53	3	160			1	53
Basidiospores	15	800	35	1,900	1	53	1	53
Bipolaris/Drechslera group								a - a
Cercospora								
Chaetomium							و الله ال	
Cladosporium	3	160	6	320				
Epicoccum					1	13		
Myrothecium						4	1	
Nigrospora								ii.
Other colorless								
Penicillium/Aspergillus types†		-						
Pithomyces	, i		_				2 4	
Polythrincium							1 11	
Rusts			1	13				
Smuts, Periconia, Myxomycetes					1	13	1 11	
Stachybotrys								
Stemphylium								
Torula					-			
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		2+		1+		1+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		1,000		2,400		80		110

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 analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

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".

[†] 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.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:		57930: om 716		7932: om 802	Learnir	7950: ng Center	4367933: Room 812		
Comments (see below)	N	lone	N	lone		lone	١	lone	
Lab ID-Version‡:	1319	2834-1	1319	2835-1	1319	2836-1	13192837-1		
Analysis Date:	10/1	2/2021	10/1	2/2021	10/1	2/2021	10/12/2021		
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	
Alternaria									
Ascospores	1	53					1	53	
Basidiospores	2	110	1	53					
Bipolaris/Drechslera group									
Cercospora									
Chaetomium									
Cladosporium	1	53			1	53			
Epicoccum									
Nigrospora									
Other colorless									
Penicillium/Aspergillus types†									
Pithomyces									
Polythrincium									
Rusts	1	13							
Smuts, Periconia, Myxomycetes									
Stachybotrys									
Stemphylium									
Torula									
Ulocladium									
Zygomycetes									
Background debris (1-4+)††	1+		2+		1+		< 1+		
Hyphal fragments/m3	< 13		< 13		< 13		< 13		
Pollen/m3	< 13		< 13		< 13		< 13		
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+		
Sample volume (liters)	75		75		75		75		
§ TOTAL SPORES/m3		230		53		53		53	

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 analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

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".

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:		7936: b Cooridor		7951: School Cafe		7937: tchen	4367941: Elementary Cafe		
Comments (see below)		lone		lone		lone		lone	
Lab ID-Version‡:		2838-1		2839-1		2840-1	13192841-1		
Analysis Date:	10/1	2/2021	10/1	2/2021	10/1	2/2021	10/12/2021		
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	
Alternaria									
Ascospores			1	53	2	110	1	53	
Basidiospores			3	160			- 2	110	
Bipolaris/Drechslera group									
Cercospora									
Chaetomium									
Cladosporium									
Epicoccum									
Myrothecium									
Nigrospora									
Other colorless									
Penicillium/Aspergillus types†	1	53							
Pithomyces									
Polythrincium									
Rusts									
Smuts, Periconia, Myxomycetes									
Stachybotrys									
Stemphylium									
Torula									
Ulocladium									
Zygomycetes									
Background debris (1-4+)††	1+		1+		1+		2+		
Hyphal fragments/m3	< 13		< 13		< 13		< 13		
Pollen/m3	< 13		< 13		< 13		< 13		
Skin cells (1-4+)	< 1+		< 1+		< 1+		1+		
Sample volume (liters)	75		75		75		75		
§ TOTAL SPORES/m3		53		210		110		160	

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 analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

[†] 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.

[‡] 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.

1815 West Diehl Road, Suite 800, Naperville, IL 60563 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:		7938:		7953:		7952:		7947:
		m 300		m 102		ab Corridor		m 202
Comments (see below)		lone		lone		lone	None	
Lab ID-Version‡:	1319	2842-1		2843-1		2844-1	13192845-1	
Analysis Date:	10/1	2/2021	10/1	2/2021	10/1	2/2021	10/12/2021	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Ascospores			1	53				
Basidiospores	2	110					1	53
Bipolaris/Drechslera group								
Cercospora								
Chaetomium								
Cladosporium								
Epicoccum								
Myrothecium								
Nigrospora								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces	1	13						
Polythrincium								
Rusts	1	13						
Smuts, Periconia, Myxomycetes								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		1+		1+		1+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		130		53		< 13		53

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 analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

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".

[†] 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.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:		7942: m 214		7948: y LC 319		7946: m 116	4367943: Post Test Outside Air		
Comments (see below)	N	lone	N	lone	N	lone		lone	
Lab ID-Version:	1319	2846-1	1319	2847-1	1319	2848-1	13192849-1		
Analysis Date:	10/1	2/2021	10/1	2/2021	10/1	2/2021	10/12/2021		
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	
Alternaria							6	80	
Ascospores			-			u	34	1,800	
Basidiospores			5	270	5	270	179	9,500	
Bipolaris/Drechslera group							1	13	
Cercospora							5	67	
Chaetomium								,	
Cladosporium	2	110			1	53	29	1,500	
Epicoccum							1	13	
Nigrospora		-							
Other colorless								(4)	
Penicillium/Aspergillus types†					4	210			
Pithomyces							1	13	
Polythrincium					ě,			g in the S	
Rusts	ı.						2	27	
Smuts, Periconia, Myxomycetes			×				3	40	
Stachybotrys	1,							7.1	
Stemphylium								1.67	
Torula								U = 4	
Ulocladium								ri e	
Zygomycetes					<u> </u>				
Background debris (1-4+)††	2+		1+		1+		3+		
Hyphal fragments/m3	< 13		< 13		< 13		93		
Pollen/m3	< 13		< 13		< 13		27		
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+		
Sample volume (liters)	75		75		75		75		
§ TOTAL SPORES/m3		110		270		530		13,000	

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 analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

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".

[†] 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.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldRANGE™: Extended Outdoor Comparison Outdoor Location: 4367929, Pre Test Outside Air

Fungi Identified	Outdoor	Typical Outdoor Data for:					Typica	l Outd	loor Da	ta for	:		
!	data	О	ctober	in Illin	ois† (n	‡=483¢	5)	The entire year in Illinois† (n‡=42739)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	110	13	27	80	240	410	76	13	13	53	170	320	54
Bipolaris/Drechslera group	-	7	7	13	27	40	13	7	7	13	27	47	8
Chaetomium	-	7	7	13	40	67	4	7	7	13	27	67	4
Cladosporium	3,000	160	320	1,200	3,800	6,700	95	53	110	640	2,700	4,900	86
Curvularia	_	7	7	13	40	67	14	7	7	13	40	80	11
Epicoccum	-	13	27	67	210	370	69	8	13	27	110	200	43
Nigrospora	13	7	13	27	67	120	43	7	13	20	53	110	20
Penicillium/Aspergillus types	160	53	53	160	430	800	46	27	53	110	370	710	43
Pithomyces	-	7	13	20	53	93	36	7	13	27	73	150	25
Polythrincium	13	7	7	13	27	40	6	7	7	13	33	- 53	6
Stachybotrys	-	7	7	13	40	93	1	7	7	13	53	140	2
Torula	-	7	10	20	50	80	9	7	7	13	40	73	7
Seldom found growing indoors**													
Ascospores	2,700	53	110	320	1,000	1,900	89	53	110	440	1,600	3,000	77
Basidiospores	18,000	160	320	1,200	3,500	6,300	97	53	160	910	3,600	6,600	87
Cercospora	330	13	13	40	130	280	32	13	13	40	130	270	21
Rusts	27	13	13	33	100	170	52	7	13	27	100	190	30
Smuts, Periconia, Myxomycetes	40	13	27	80	200	350	77	13	13	40	120	220	52
§ TOTAL SPORES/m3	25,000												

[†]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.

 \ddagger 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 EMLab P&K 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 EMLab P&K may not have received and tested a representative number of samples for every region or time period. Eurofins EMLab P&K 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.

[§] 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.

1815 West Diehl Road, Suite 800, Naperville, IL 60563 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldRANGE™: Extended Outdoor Comparison Outdoor Location: 4367943, Post Test Outside Air

Fungi Identified	Outdoor	<u></u> ,	Typical Outdoor Data for:					Typical Outdoor Data for:					
	data	O	ctober	in Illin	ois† (n	‡=483¢	5)	The entire year in Illinois† (n‡=42739)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	80	13	27	80	240	410	76	13	13	53	170	320	54
Bipolaris/Drechslera group	13	7	7	13	27	40	13	7	7	13	27	47	8
Chaetomium	-	7	7	13	40	67	4	7	7	13	27	67	4
Cladosporium	1,500	160	320	1,200	3,800	6,700	95	53	110	640	2,700	4,900	86
Curvularia	-	7	7	13	40	67	14	7	7	13	40	80	11
Epicoccum	13	13	27	67	210	370	69	8	13	27	110	200	43
Nigrospora	-	7	13	27	67	120	43	7	13	20	53	110	20
Penicillium/Aspergillus types	-	53	53	160	430	800	46	27	53	110	370	710	43
Pithomyces	13	7	13	20	53	93	36	7	13	27	73	150	25
Polythrincium	-	7	7	13	27	40	6	7	7	13	33	53	6
Stachybotrys	-	7	7	13	40	93	1	7	7	13	53	140	2
Torula	-	7	10	20	50	80	9	7	7	13	40	73	7
Seldom found growing indoors**													
Ascospores	1,800	53	110	320	1,000	1,900	89	53	110	440	1,600	3,000	77
Basidiospores	9,500	160	320	1,200	3,500	6,300	97	53	160	910	3,600	6,600	87
Cercospora	67	13	13	40	130	280	32	13	13	40	130	270	21
Rusts	27	13	13	33	100	170	52	7	13	27	100	190	30
Smuts, Periconia, Myxomycetes	40	13	27	80	200	350	77	13	13	40	120	220	52
§ TOTAL SPORES/m3	13,000												

†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.

in = 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 EMLab P&K 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 EMLab P&K may not have received and tested a representative number of samples for every region or time period. Eurofins EMLab P&K 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.

[§] 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.

1815 West Diehl Road, Suite 800, Naperville, IL 60563 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Outdoor Summary: 4367929: Pre Test Outside Air

Outdoor Summary, 4307/22. The Test Outside Air													
Species detected		Outdoor	sample s	pores/m3		Typical	outdo	or ranges	Freq.				
	<100	1K	10K	>100K		(Nor	%						
Alternaria				110		7 -	27	- 380	40				
Ascospores	19.			2,700		13 -	250	- 6,200	76				
Basidiospores				18,00	0	13 -	480	- 25,000	90				
Cercospora				330		7 -	40	- 530	13				
Cladosporium				3,000		27 -	480	- 8,000	88				
Nigrospora				13		7 -	20	- 240	16				
Penicillium/Aspergillus types				160		18 -	210	- 2,700	63				
Polythrincium				13		7 -	22	- 190	3				
Rusts				27		7 -	27	- 370	18				
Smuts, Periconia, Myxomycetes				40		7 -	53	- 1,100	67				
Total				25,00	0			- L. f					

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 4367934: Room 504

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)													
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.0000		dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low										
Species	Detected			Spores/m3											
		<100	1K	10K	>100K										
	None Detected				< 13										

Location: 4367939: Nurse's Office

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species	Detected		Spores/m3	
		<100 1K	10K	>100K
	None Detected			< 13

1815 West Diehl Road, Suite 800, Naperville, IL 60563 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367944: Room 502

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.7485 Critical value: 0.5515 Outside Similar: Yes	Score: 102 Result: Low
Species	Detected		Spores/m3	
	Basidiospores	<100 1K	10K	>100K
· ·	Cladosporium			53
F	Total			160

Location: 4367949: Room 600

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 3%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.333	3	dF: 10 Result: 0.5848 Critical value: 0.5515 Outside Similar: Yes	Score: 125 Result: Low	
Species	Detected			Spores/m3		
		<100	1K	10K	>100K	
×	Basidiospores				640	
Penic	Penicillium/Aspergillus types				160	
	Total	CHARLES AND RESIDENCE OF THE PARTY OF THE PA			800	

Location: 4367945: Room 608

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 4%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.4615	dF: 10 Result: 0.8333 Critical value: 0.5515 Outside Similar: Yes	Score: 104 Result: Low	
Species	Detected		Spores/m3	,	
		<100 1K	10K	>100K	
	Ascospores			53	
	Basidiospores	国际的国际工程		800	
	Cladosporium			160	
	Total	THE RESIDENCE IN COLUMN 1985 AND THE RESIDENCE		1,000	

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367940: Room 616

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 9%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.5714		dF: 10 Result: 0.7273 Critical value: 0.5515 Outside Similar: Yes	Score: 109 Result: Low
Species	Detected			Spores/m3	
		<100	1K	10K	>100K
i i	Ascospores	100			160
	Basidiospores	医装置器		Auti	1,900
	Cladosporium	MON ST			320
	Rusts	Company Company			13
,	Total	1,45,71			2,400

Location: 4367935: Special ED Hallway

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3077		dF: 11 Result: 0.2182 Critical value: 0.5273 Outside Similar: No	Score: 108 Result: Low
Species	Detected			Spores/m3	"
		<100	1K_	10K	>100K
/	Basidiospores				53
Epicoccum					13
Smuts, Periconia, Myxomycetes					13
	Total				80

Location: 4367931: Room 706

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3333		dF: 10 Result: 0.6848 Critical value: 0.5515 Outside Similar: Yes	Score: 100 Result: Low
Species	Detected	<100	1K	Spores/m3	>100K
-	Ascospores Basidiospores Total				53 53 110

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367930: Room 716

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.5714		dF: 10 Result: 0.7242 Critical value: 0.5515 Outside Similar: Yes	Score: 102 Result: Low	
Species	Detected			Spores/m3		
		<100	1K	10K	>100K	
	Ascospores				53	
91	Basidiospores				110	
	Cladosporium				53	
	Rusts				13	
,	Total				230	

Location: 4367932: Room 802

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.6394 Critical value: 0.5515 Outside Similar: Yes		Score: 101 Result: Low
Species	Detected			Spor	es/m3	
		<100	1K		10K	>100K
	Basidiospores					53
	Total					53

Location: 4367950: Learning Center 511

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.5788 Critical value: 0.5515 Outside Similar: Yes	Score: 103 Result: Low
Species	Detected			Spores/m3	
		<100	1K	10K	>100K
	Cladosporium				53
	Total				53

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367933: Room 812

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.5182 Critical value: 0.5515 Outside Similar: No		Score: 100 Result: Low
Species	Detected			Sp	ores/m3	
		<100	1K	. \	10K	>100K
	Ascospores					53
	Total					53

Location: 4367936: Tech Lab Cooridor

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.3970 Critical value: 0.5515 Outside Similar: No		Score: 108 Result: Low	
Species	Detected		į.	Spor	res/m3		
		<100	1K		10K	>100K	
Penicillium/Aspergillus types		8				53	
Total						53	

Location: 4367951: Middle School Cafe

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3333		dF: 10 Result: 0.6939 Critical value: 0.5515 Outside Similar: Yes	Score: 100 Result: Low	
Species	Detected			Spores/m3		
		<100	1K	10K	>100K	
	Ascospores				53	
Basidiospores		16.55			160	
	Total	15 E.O.			210	

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367937: Kitchen

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.5182 Critical value: 0.5515 Outside Similar: No		Score: 100 Result: Low	
Species	Detected			Spore	es/m3	*	
- ¥		<100	1K		10K	>100K	
Ascospores						110	
	Total					110	

Location: 4367941: Elementary Cafe

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3333		dF: 10 Result: 0.6939 Critical value: 0.5515 Outside Similar: Yes	Score: 100 Result: Low	
Species	Detected			Spores/m3		
		<100	1K	10K	>100K	
	Ascospores				53	
Basidiospores					110	
-	Total	7 300			160	

Location: 4367938: Room 300

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3077		dF: 11 Result: 0.1727 Critical value: 0.5273 Outside Similar: No	Score: 105 Result: Low	
Species	Detected			Spores/m3		
		<100	1K	10K	>100K	
4	Basidiospores				110	
11	Pithomyces				13	
	Rusts				13	
п	Total				130	

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367953: Room 102

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.5182 Critical value: 0.5515 Outside Similar: No		Score: 100 Result: Low	
Species	Detected			Spo	ores/m3		
		<100	1K		10K	>100K	
× 0	Ascospores					53	
	Total					53	

Location: 4367952: Comp Lab Corridor

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species	Species Detected		Spores/m3	* **	
· ·		<100 1K	10K	>100K	
	None Detected			< 13	

Location: 4367947: Room 202

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.6394 Critical value: 0.5515 Outside Similar: Yes	Score: 101 Result: Low	
Species	Detected		A Second on	Spores/m3		
		<100	1K	10K	>100K	
	Basidiospores				53	
	Total				53	

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367942: Room 214

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818	dF: 10 Result: 0.5788 Critical value: 0.5515 Outside Similar: Yes	Score: 106 Result: Low	
Species	Detected		Spores/m3		
		<100 1K	10K	>100K	
Cladosporium				110	
	Total			110	

Location: 4367948: Library LC 319

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818	dF: 10 Result: 0.6394 Critical value: 0.5515 Outside Similar: Yes	Score: 105 Result: Low	
Species	Detected		Spores/m3		
· *		<100 1K	10K	>100K	
Basidiospores				270	
	Total			270	

Location: 4367946: Room 116

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.4615		dF: 10 Result: 0.7000 Critical value: 0.5515 Outside Similar: Yes	Score: 133 Result: Low	
Species	Detected			Spores/m3		
		<100	1K	10K	>100K	
	Basidiospores	3, 5, 5, 2, 5, 7			270	
Cladosporium					53	
Penicillium/Aspergillus types		A Exercise			210	
	Total				530	

^{*} The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORETM is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. Eurofins EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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 ranges" are based on the results of the analysis of samples delivered to and analyzed by Eurofins EMLab P&K 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. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Eurofins EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Outdoor Summary: 4367943: Post Test Outside Air

Outdoor Summary: 4307943.	1 000							Freq.
Species detected		Outdoo	pores/m3	Typic	Typical outdoor ranges			
	<100	<100 1K 10K >100K		(1)	(North America)			
Alternaria				80	7	- 27	- 380	40
Ascospores				1,800] 13	- 250	- 6,200	76
Basidiospores	100			9,500] 13	- 480	- 25,000	90
Bipolaris/Drechslera group				13] 7	- 13	- 210	14
Cercospora				67] 7	- 40	- 530	13
Cladosporium	有 4			1,500	27	- 480	- 8,000	88
Epicoccum				13] 7	-, 27	- 280	21
Penicillium/Aspergillus types				< 13] 18	- 210	- 2,700	63
Pithomyces				13] 7	- 27	- 430	13
Rusts				27] 7	- 27	- 370	18
Smuts, Periconia, Myxomycetes				40] 7	- 53	- 1,100	67
Total				13,000				

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 4367934: Room 504

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.0000		dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected				Spores/m3	
		<100	1K	10K	>100K
None Detected					< 13

Location: 4367939: Nurse's Office

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)		nent ratio** or/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Resi	alt: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species	Detected			Spores/m3	1
		<100	1K	10K	>100K
None Detected					< 13

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367944: Room 502

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.7030 Critical value: 0.5515 Outside Similar: Yes	Score: 102 Result: Low
Species	Detected		Spores/m3	8
		<100 1K	10K	>100K
	Basidiospores			110
	Cladosporium			53
	Total			160

Location: 4367949: Room 600

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 6%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1667	dF: 11 Result: 0.3273 Critical value: 0.5273 Outside Similar: No	Score: 125 Result: Low
Species	Detected		Spores/m3	
		<100 1K	10K	>100K
	Basidiospores	SEE SHIPE I		640
Penicillium/Aspergillus types				160
	Total			800

Location: 4367945: Room 608

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 7%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.4615	dF: 10 Result: 0.8303 Critical value: 0.5515 Outside Similar: Yes	Score: 107 Result: Low	
Species	Species Detected		Spores/m3	:	
	1	<100 1K	10K	>100K	
	Ascospores			53	
Basidiospores		MARKET HERE		800	
Cladosporium				160	
	Total			1,000	

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367940: Room 616

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 18%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.5714		dF: 10 Result: 0.7667 Critical value: 0.5515 Outside Similar: Yes	Score: 117 Result: Low
Species	Species Detected			Spores/m3	
,		<100	1K	10K	>100K
	Ascospores				160
Basidiospores					1,900
9	Cladosporium				320
	Rusts	<u>(0)</u>			13
	Total	0. 数对100			2,400

Location: 4367935: Special ED Hallway

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.4615	dF: 10 Result: 0.2939 Critical value: 0.5515 Outside Similar: No	Score: 108 Result: Low
Species	Species Detected		Spores/m3	
		<100 1K	10K	>100K
Basidiospores				53
Epicoccum				13
Smuts, Periconia, Myxomycetes				13
	Total			80

Location: 4367931: Room 706

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)			
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Re	esult: 0.3333	dF: 10 Result: 0.7545 Critical value: 0.5515 Outside Similar: Yes	Score: 100 Result: Low
Species	Species Detected		177	Spores/m3	> 10077
	Ascospores Basidiospores Total		1K	10K	>100K

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367930: Room 716

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.5714		dF: 10 Result: 0.7758 Critical value: 0.5515 Outside Similar: Yes	Score: 102 Result: Low
Species 1	Detected			Spores/m3	
		<100	1K	10K	>100K
,	Ascospores				53
	Basidiospores				110
	Cladosporium				53
	Rusts				13
	Total	建工品器			230

Location: 4367932: Room 802

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.6485 Critical value: 0.5515 Outside Similar: Yes		Score: 101 Result: Low
Species	Detected			Spo	res/m3	
		<100	1K		10K	>100K
	Basidiospores					53
	Total					53

Location: 4367950: Learning Center 511

	% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
	Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.5273 Critical value: 0.5515 Outside Similar: No	Score: 103 Result: Low
	Species Detected			Ĭ.	Spores/m3	
ŀ		Cl. 1	<100	1K	10K	>100K
	Cladosporium			+++++		53
L		Total				53

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367933: Room 812

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.5879 Critical value: 0.5515 Outside Similar: Yes	Score: 100 Result: Low
Species	Detected			Spores/m3	:
i u		<100	1K	10K	>100K
Ascospores					53
	Total				53

Location: 4367936: Tech Lab Cooridor

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.0000		dF: 11 Result: 0.1341 Critical value: 0.5273 Outside Similar: No	Score: 108 Result: Low
Species	Detected			Spores/m3	
* u 3c		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
H.	Total				53

Location: 4367951: Middle School Cafe

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.7576 Critical value: 0.5515 Outside Similar: Yes	Score: 101 Result: Low
Species	Detected		Spores/m3	
		<100 1K	10K	>100K
	Ascospores			53
	Basidiospores			160
	Total			210

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367937: Kitchen

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		Result Critical va	: 10 : 0.5879 :lue: 0.5515 imilar: Yes	Score: 100 Result: Low
Species	Detected			Spor	es/m3	
		<100	1K		10K	>100K
Ascospores						110
*	Total					110

Location: 4367941: Elementary Cafe

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.7576 Critical value: 0.5515 Outside Similar: Yes	Score: 100 Result: Low
Species	Detected		Spores/m3	, , ,
		<100 1K	10K	>100K
	Ascospores			53
	Basidiospores			110
	Total			160

Location: 4367938: Room 300

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.4615		dF: 10 Result: 0.2394 Critical value: 0.5515 Outside Similar: No	Score: 105 Result: Low
Species	Detected	:		Spores/m3	
		<100	1K	10K	>100K
	Basidiospores				110
	Pithomyces	8.5			13
Rusts					13
	Total				130

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367953: Room 102

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)		MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.5879 Critical value: 0.5515 Outside Similar: Yes		Score: 100 Result: Low
Species	Detected			Spor	res/m3	
		<100	1K		10K	>100K
	Ascospores	3				53
	Total					53

Location: 4367952: Comp Lab Corridor

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species	Species Detected		Spores/m3	
		<100 1K	10K	>100K
None Detected				< 13

Location: 4367947: Room 202

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio** (indoor/outdoor)		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.1818		dF: 10 Result: 0.6485 Critical value: 0.5515 Outside Similar: Yes	Score: 101 Result: Low
Species	Detected			Spores/m3	
		<100	1K	10K	>100K
	Basidiospores Total				53

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

Location: 4367942: Room 214

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)		ent ratio** /outdoor)	corre	nan rank lation*** r/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Resul	t: 0.1818	Resu Critical	IF: 10 lt: 0.5273 value: 0.5515 Similar: No	Score: 106 Result: Low
Species Detected				Spo	res/m3	* * * * * * * * * * * * * * * * * * *
_		<100	1K		10K	>100K
Cladosporium		(A)				110
Total						110

Location: 4367948: Library LC 319

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)		nt ratio** outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result	0.1818	dF: 10 Result: 0.6485 Critical value: 0.5515 Outside Similar: Yes	Score: 108 Result: Low
Species Detected				Spores/m3	
		<100	1K	10K	>100K
Basidiospores					270
Total					270

Location: 4367946: Room 116

% of outdoor total spores/m3	Friedman chi- square* (indoor variation)	Agreement ratio		Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 4%	dF: 22 Result: 14.1141 Critical value: 33.9245 Inside Similar: Yes	Result: 0.3077		dF: 11 Result: 0.3682 Critical value: 0.5273 Outside Similar: No	Score: 133 Result: Low
Species Detected				Spores/m3	· ·
1.0		<100	1K	10K	>100K
Basidiospores					270
Cladosporium					53
Penicillium/Aspergillus types					210
Total		位置如1989 新首州			530

^{*} The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: J-24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

MoldSTATTM: Supplementary Statistical Spore Trap Report

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

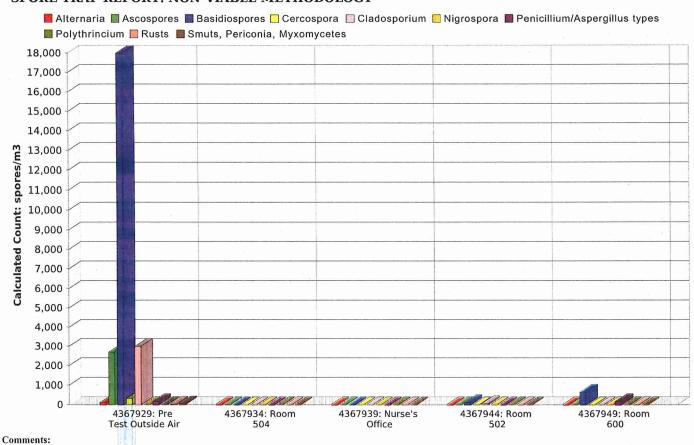
*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORETM is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. Eurofins EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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 ranges" are based on the results of the analysis of samples delivered to and analyzed by Eurofins EMLab P&K 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. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Eurofins EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



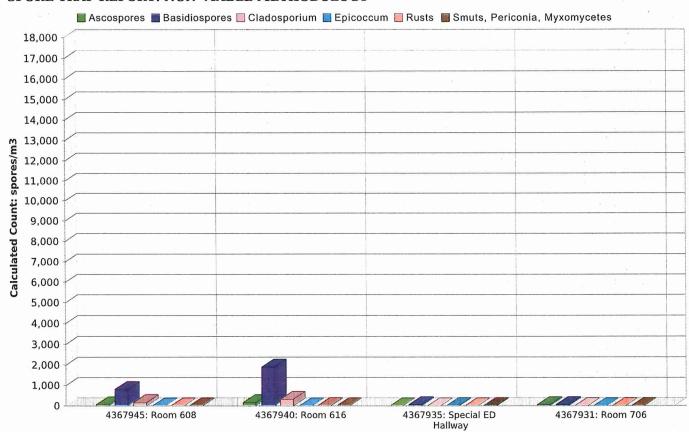
Note: Graphical output may understate the importance of certain "marker" genera. Eurofins EPK Built Environment Testing, LLC

10-13-2021: J-24565

Eurofins EMLab P&K

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

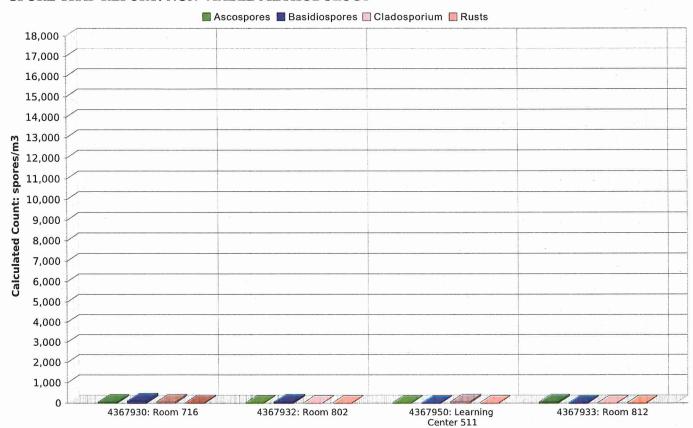


Comments:

Note: Graphical output may understate the importance of certain "marker" genera. Eurofins EPK Built Environment Testing, LLC

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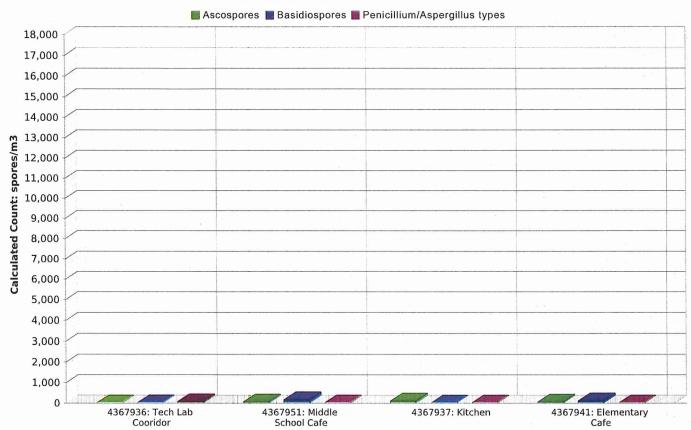
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

Note: Graphical output may understate the importance of certain "marker" genera. Eurofins EPK Built Environment Testing, LLC

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

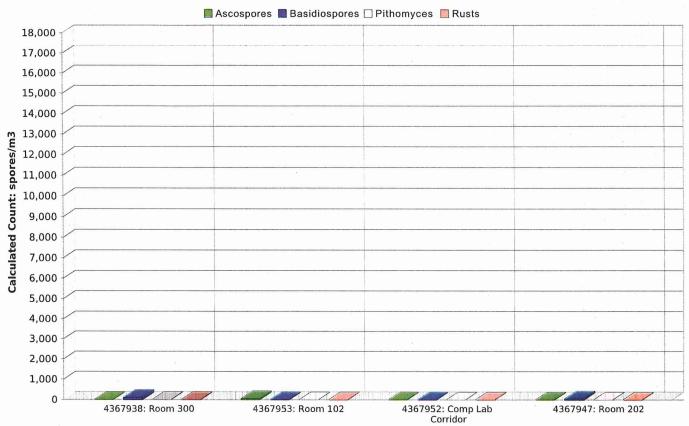
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10-13-2021: J-24565

Eurofins EMLab P&K

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

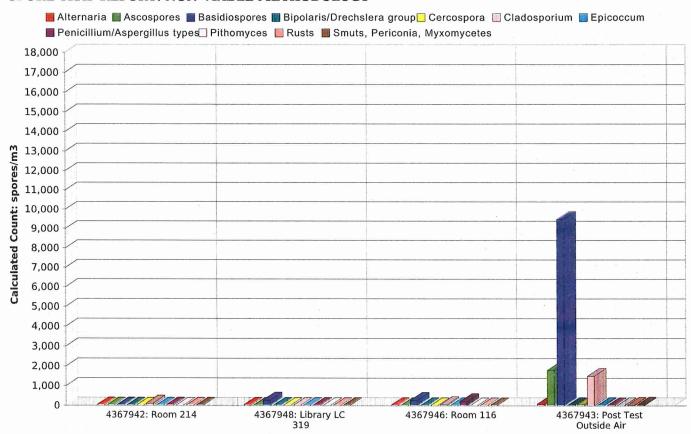
Note: Graphical output may understate the importance of certain "marker" genera. Eurofins EPK Built Environment Testing, LLC

10-13-2021: J-24565

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

Note: Graphical output may understate the importance of certain "marker" genera. Eurofins EPK Built Environment Testing, LLC



Report for:

Joe Sterner JMS Environmental Associates, Ltd. 816 Burr Oak Drive Westmont, IL 60559

Regarding:

Project: 24565; Woodlawn/Countryside

EML ID: 2757048

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Approved by:

Cluster Leader Dr. Kamash Pillai Dates of Analysis:

Direct microscopic exam (Qualitative): 10-13-2021

Service SOPs: Direct microscopic exam (Qualitative) (EM-MY-S-1039) AIHA-LAP, LLC accredited service, Lab ID #176641

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.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K'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.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: 24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

DIRECT MICROSCOPIC EXAMINATION REPORT

Background	Miscellaneous	MOLD GROWTH: Molds seen	Other	General			
Debris and/or	Spores Present*	with underlying mycelial and/or	Comments††	Impression			
Description		sporulating structures†					
Lab ID-Version‡: 1	Lab ID-Version‡: 13192883-1, Analysis Date: 10/13/2021: Swab sample 34565-10-1101: Classroom 202						
Scant	Very few	None	None	Normal trapping			
Lab ID-Version: 13	3192884-1, Analysis	Date: 10/13/2021: Swab sample 34565	5-10-1102: Classroo	m 218			
Scant	Very few	None	None	Normal trapping			
Lab ID-Version: 13	Lab ID-Version: 13192885-1, Analysis Date: 10/13/2021: Swab sample 34565-10-1103: Classroom 122						
Scant	Very few	None	None	Normal trapping			
Lab ID-Version: 13	Lab ID-Version: 13192886-1, Analysis Date: 10/13/2021: Swab sample 34565-10-1104: Classroom 400						
Scant	Very few	None	None	Normal trapping			
Lab ID-Version: 13192887-1, Analysis Date: 10/13/2021: Swab sample 34565-10-1105: Classroom 404							
Scant	Very few	None	None	Normal trapping			
L	1	1					

^{*} Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

The limit of detection is < 1+ when mold growth is detected.

For additional information necessary for the interpretation of the results, all readers are advised to refer to the document "Direct Exam Details Page" which is available on our website at:

www.emlab.com/services/mold-testing/direct-microscopic-exam-qualitative/

[†] Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded <1+ to 4+, with 4+ denoting the highest numbers.

^{††} Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

[‡] 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".



Report for:

Joe Sterner
JMS Environmental Associates, Ltd.
816 Burr Oak Drive
Westmont, IL 60559

Regarding:

Project: 24565; Woodlawn/Countryside

EML ID: 2757048

lund

Approved by:

Cluster Leader Dr. Kamash Pillai Dates of Analysis:

Direct microscopic exam (Qualitative): 10-13-2021

Service SOPs: Direct microscopic exam (Qualitative) (EM-MY-S-1039) AIHA-LAP, LLC accredited service, Lab ID #176641

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.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: 24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

DIRECT MICROSCOPIC EXAMINATION REPORT

Location:	34565-10-1101: Classroom 202	34565-10-1102: Classroom 218	34565-10-1103: Classroom 122
Sample type:	Swab sample	Swab sample	Swab sample
Lab ID-Version‡:	13192883-1	13192884-1	13192885-1
Analysis Date:	10/13/2021	10/13/2021	10/13/2021
MOLD/FUNGAL GROWTI	H*: Molds seen growing with	underlying mycelial and/or sp	orulating structures
Acremonium			
Alternaria			
Aureobasidium			
Basidiospores			
Chaetomium			
Cladosporium			
Colorless spores typical of Penicillium / Aspergillus			
Fusarium			
Other colorless, ID unknown			
Stachybotrys			
Torula			
Ulocladium			
Miscellaneous spores**	Very few	Very few	Very few
Other comments†	None	None	None
Background debris or Description††	Scant	Scant	Scant
General impression	Normal trapping	Normal trapping	Normal trapping

†† Background debris is an indication of the amounts of non biological particulate matter present. This background amorphous material is graded and described as scant, light, moderate, heavy, or very heavy. (Very heavy background debris may obscure visibility.)

Fungal types listed without a growth rating or data entry were not detected during the course of the analysis for the respective sample.

Interpretation is left to the company and/or persons who conducted the field work.

‡ 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".

The limit of detection is < 1+ when mold growth is detected.

^{*} See Mold/Fungal Growth Details table on the last page.

^{**} See Miscellaneous Spores table on the last page.

[†] Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: 24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

DIRECT MICROSCOPIC EXAMINATION REPORT

Location:	34565-10-1104:	34565-10-1105:
	Classroom 400	Classroom 404
Sample type:	Swab sample	Swab sample
Lab ID-Version‡:	13192886-1	13192887-1
Analysis Date:	10/13/2021	10/13/2021
MOLD/FUNGAL GROWTH	I*: Molds seen growing with underlying my	celial and/or sporulating structures
Acremonium		
Alternaria		
Aureobasidium		
Basidiospores		
Chaetomium		
Cladosporium		
Colorless spores typical of Penicillium / Aspergillus		
Fusarium		
Other colorless, ID unknown		
Stachybotrys		
Torula		
Ulocladium	THE RESERVE OF THE PROPERTY OF	
Miscellaneous spores**	Very few	Very few
Other comments†	None	None
Background debris or Description††	Scant	Scant
General impression	Normal trapping	Normal trapping

†† Background debris is an indication of the amounts of non biological particulate matter present. This background amorphous material is graded and described as scant, light, moderate, heavy, or very heavy. (Very heavy background debris may obscure visibility.)

Fungal types listed without a growth rating or data entry were not detected during the course of the analysis for the respective sample.

Interpretation is left to the company and/or persons who conducted the field work.

 \ddagger 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".

The limit of detection is < 1+ when mold growth is detected.

^{*} See Mold/Fungal Growth Details table on the last page.

^{**} See Miscellaneous Spores table on the last page.

[†] Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

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Client: JMS Environmental Associates, Ltd.

C/O: Joe Sterner

Re: 24565; Woodlawn/Countryside

Date of Sampling: 10-11-2021 Date of Receipt: 10-12-2021 Date of Report: 10-13-2021

Mold/Fungal Growth Rating Details

Growth Rating	Quantities of molds indicating growth are listed in the MOLD/FUNGAL GROWTH section. Judgement is used in determining the amount of growth present in the sample. For example, if only one portion of the sample has evidence of heavy growth, then it will receive a rating of heavy growth even though, strictly speaking, on a percentage basis of the entire sample, the amount of growth is low.				
	Swab/Tape/Dust/Wipe sample	Bulk Sample			
< 1+ (Very Light Growth)	Evidence of very light growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found in less than 10% of the microscopic fields examined.	Areas of very light growth detected by the presence of spores of one type seen with underlying mycelial and/ or with their sporulating structures in the bulk sample.			
1+ (Light Growth)	Evidence of light growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found in 10 to 25% of the microscopic fields examined.	Areas of light growth detected by the presence of spores of one type seen with underlying mycelial and/ or with their sporulating structures in the bulk sample.			
2+ (Moderate Growth)	Evidence of moderate growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found in 26 to 50% of the microscopic fields examined.	Areas of moderate growth detected by the presence of spores of one type seen with underlying mycelial and/ or with their sporulating structures in the bulk sample.			
3+ (Heavy Growth)	Evidence of heavy growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found in 51 to 75% of the microscopic fields examined.	Areas of heavy growth detected by the presence of spores of one type seen with underlying mycelial and/ or with their sporulating structures in the bulk sample.			
4+ (Very Heavy Growth)	Evidence of very heavy growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found to be nearly confluent in the majority of the microscopic fields examined.	Areas of very heavy growth detected by the presence of spores of one type seen with underlying mycelial and/or with their sporulating structures in the bulk sample.			

Miscellaneous Spores

Slides/specimens are examined for the presence of mold spores and pollen, noting the quantities and distribution of spore types found. A designation of 'normal trapping' is made when a mix of spore types is present with the same general distribution as is usually found outdoors. In other words, the biological component of the sample surface is like that found everywhere. Types of spores present would include basidiospores (mushroom spores), myxomycetes (slime molds), plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Many of these spore types would not be found growing indoors on building materials since many plant pathogens require living plants for growth, and mushrooms require compost, leaf duff of various types, or associations with roots of certain trees, etc. Due to these factors, when a mix of spores seen include these types as well as pollen, the rational source is the outside air, rather than indoor mold growth. The numbers of miscellaneous spores seen are graded and described as shown below as none, very few, few, variety, and wide variety.

None	Very Few	Few	Variety	Wide Variety
No spores detected	Very few spores detected	A few spores detected	Many spores containing a variety of different genera detected	Many spores containing a wide variety of different genera detected