EMLab P&K
A TestAmerica Company

Report for:

Richard Walters
Bixby Public Schools
109 N. Armstrong
Bixby, OK 74008

Regarding: Project: Central Intermediate; 25% Air Sample
EML ID: 1869345

Approved by:

Technical Manager
Magzoub Ismail

Dates of Analysis:
Spore trap analysis: 01-31-2018

Service SOPs: Spore trap analysis (EM-MY-S-1038)
AIHA-LAP, LLC accredited service, Lab ID #193549

EMLab P&K
10900 Brittmoore Park Drive, Suite G, Houston, TX 77041
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Bixby Public Schools
C/O: Richard Walters
Re: Central Intermediate; 25% Air Sample

Date of Sampling: 01-28-2018
Date of Receipt: 01-30-2018
Date of Report: 02-01-2018

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	1: Pre Outide Air			2: Rm 104			3: Rm 305			4: Rm 158		
Comments (see below)	None			None			None			None		
Lab ID-Version‡:	8769217-1			8769218-1			8769219-1			8769220-1		
Analysis Date:	01/31/2018			01/31/2018			01/31/2018			01/31/2018		
	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3
Alternaria												
Ascospores												
Basidiospores	8	32	210									
Bipolaris/Drechslera group												
Botrytis												
Chaetomium	1	1	7									
Cladosporium	2	8	53	2	8	53				1	4	27
Curvularia	1	1	7							1	1	7
Epicoccum												
Fusarium												
Myrothecium												
Nigrospora												
Other colorless												
Penicillium/Aspergillus types†												
Pithomyces	1	1	7									
Rusts												
Smuts, Periconia, Myxomycetes	2	2	13							1	1	7
Stachybotrys												
Stemphylium												
Tetraploa												
Torula												
Ulocladium												
Zygomycetes												
Background debris (1-4+)††	2+			1+			2+			2+		
Sample volume (liters)	150			150			150			150		
§ TOTAL SPORES/m3			300			53			< 7			40

Comments:

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

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3. The limit of detection is the analytical sensitivity (in spores/m^3) 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".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	5: Rm 132			6: Rm 124			7: Rm 130			8: Rm 126		
Comments (see below)	None			None			None			None		
Lab ID-Version‡:	8769221-1			8769222-1			8769223-1			8769224-1		
Analysis Date:	01/31/2018			01/31/2018			01/31/2018			01/31/2018		
	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3
Alternaria				1	1	7				1	1	7
Ascospores												
Basidiospores												
Bipolaris/Drechslera group	1	1	7									
Botrytis												
Chaetomium												
Cladosporium	2	8	53	3	12	80	2	8	53	1	4	27
Curvularia												
Epicoccum										2	2	13
Fusarium												
Myrothecium												
Nigrospora				1	1	7						
Other colorless												
Penicillium/Aspergillus types†												
Pithomyces												
Rusts												
Smuts, Periconia, Myxomycetes	3	3	20									
Stachybotrys												
Stemphylium												
Tetraploa												
Torula												
Ulocladium												
Zygomycetes												
Background debris (1-4+)††	2+			2+			2+			2+		
Sample volume (liters)	150			150			150			150		
§ TOTAL SPORES/m3			80			93			53			47

Comments:

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	9: Rm 204			10: Rm 233			11: Rm 236			12: Rm 240		
Comments (see below)	None			None			None			None		
Lab ID-Version‡:	8769225-1			8769226-1			8769227-1			8769228-1		
Analysis Date:	01/31/2018			01/31/2018			01/31/2018			01/31/2018		
	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3
Alternaria	1	1	7	1	1	7						
Ascospores												
Basidiospores				1	4	27	2	8	53	1	4	27
Bipolaris/Drechslera group												
Botrytis												
Chaetomium												
Cladosporium	2	8	53									
Curvularia												
Epicoccum				1	1	7						
Fusarium												
Myrothecium												
Nigrospora												
Other colorless												
Penicillium/Aspergillus types†												
Pithomyces												
Rusts												
Smuts, Periconia, Myxomycetes				1	1	7	1	1	7	1	1	7
Stachybotrys												
Stemphylium												
Tetraploa												
Torula												
Ulocladium												
Zygomycetes												
Background debris (1-4+)††	2+			2+			2+			2+		
Sample volume (liters)	150			150			150			150		
§ TOTAL SPORES/m3			60			47			60			33

Comments:

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Location:	13: Rm 219			14: Rm 217			15: Post Outside Air		
Comments (see below)	None			None			None		
Lab ID-Version‡:	8769229-1			8769230-1			8769231-1		
Analysis Date:	01/31/2018			01/31/2018			01/31/2018		
	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3
Alternaria							2	2	13
Ascospores									
Basidiospores				1	4	27			
Bipolaris/Drechslera group				1	1	7			
Botrytis									
Chaetomium									
Cladosporium	2	8	53				4	16	110
Curvularia									
Epicoccum									
Fusarium									
Myrothecium									
Nigrospora									
Other colorless									
Penicillium/Aspergillus types†									
Pithomyces									
Rusts									
Smuts, Periconia, Myxomycetes				2	2	13	2	2	13
Stachybotrys									
Stemphylium									
Tetraploa							1	1	7
Torula									
Ulocladium									
Zygomycetes									
Background debris (1-4+)††	2+			2+			2+		
Sample volume (liters)	150			150			150		
§ TOTAL SPORES/m3			53			47			140

Comments:

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