EMLab P&K
A TestAmerica Company

Report for:

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

Regarding: Project: North Elem; Rm 211
EML ID: 2115596

Approved by:

Laboratory Manager
Michael Manning

Dates of Analysis:
Spore trap analysis: 03-15-2019

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

EMLab P&K
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Client: Bixby Public Schools
C/O: Richard Walters
Re: North Elem; Rm 211

Date of Sampling: 03-12-2019
Date of Receipt: 03-13-2019
Date of Report: 03-15-2019

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	1: Pre outside air			2: Rm 211			3: Post outside air		
Comments (see below)	None			None			None		
Lab ID-Version‡:	10008999-1			10009000-1			10009009-1		
Analysis Date:	03/15/2019			03/15/2019			03/15/2019		
	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3
Ascospores	4	16	110	1	4	27	6	24	160
Aureobasidium									
Basidiospores	98	392	2,600	1	4	27	39	156	1,000
Bipolaris/Drechslera group									
Botrytis									
Chaetomium									
Cladosporium	3	12	80				10	40	270
Curvularia									
Epicoccum									
Fusarium									
Myrothecium									
Nigrospora									
Other colorless									
Penicillium/Aspergillus types†	17	68	450						
Pithomyces									
Rusts									
Smuts, Periconia, Myxomycetes							1	4	27
Stachybotrys									
Stemphylium									
Torula									
Ulocladium									
Zygomycetes									
Background debris (1-4+)††	2+			2+			2+		
Sample volume (liters)	150			150			150		
§ TOTAL SPORES/m3			3,300			53			1,500

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.