14311 BISCAYNE BLVD. #613625
NORTH MIAMI, FL 33261-3625

GLOBAL
INFECTION CONTROL CONSULTANTS LLC

704-280-6551 - MOBILE
www.GICCLLC.com

Certifying the Quality of your Indoor Environment

7/27/2021

Paul Jordan
Corval Group, Inc.
1633 Eustis St.
St Paul, MN 55108
Re: **<u>IAQ assessment and the effectiveness of the M3 System diffuser</u>**

Mr. Jordan

<u>Please take note to the following:</u> Microbial air sampling was undertaken throughout the interior space of both Corval buildings, address listed above. The purpose was to identify the nature and extent of any potential airborne mold/fungi, as well as non-viable particulate matter, to establish a baseline of the conditions present prior to activating the M3 System diffusers. Post testing was schedule approx. 6 weeks later, where air sampling would take place in the same locations as the pre-test, to determine the effectiveness of the M3 System machine in combating/reducing airborne pathogens and particulate matter.

Air sampling identified each airborne mold spore by species and quantified them by concentration level in the unit of measurement "spores per cubic meter" of air (spores/m3). Also identified and quantified in each air sample: Hyphal fragments, pollen, insect parts, hairs, algae, cellulose particles, starch particles, dander (skin cells), fiber glass particles, synthetic fibers, carbon based particles, and general background debris such as dust/dirt.

Samples were analyzed by one of the nation's premier IAQ and microbiology laboratory *EMLab P&K,* located in Phoenix, AZ. **Test results indicate the following noteworthy points:**

1. Air sample results from the **pre-test** showed a typical variety of airborne mold/fungal species, as well as a typical variety of nonbiological particulate matter. Anything that was detected that would be considered pathogenic (i.e. *Aspergillus* sp.) was found in low levels that are indicative of normal conditions. In other words, there were no elevated levels of airborne mold/fungi.
2. Pre-test: Results for the non-biological particulate matter showed a healthy variety of items present, including cellulose fibers, synthetic fibers, starch particles, dander (skin cells), fiber glass, and a few types of pollen. All of these are commonly found with the exception of fiber glass particles, you really do not wany any of those in the breathable air. Concentration levels were notably excessive, with the dander in particular.
3. Post test: the air sample results show a remarkable reduction across the board in both total number of items and concentration levels; compared to the original test results, virtually all detected airborne particulates (viable or non-viable) were either totally eliminated or reduced down to a fraction of their former value.

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Airborne concentration levels in context:

Everything identified is expressed by using the measurement "X spores/particles per cubic meter of air." For example, on the pre-test, let's use the species of mold *Penicillium/Aspergillus*. This is typically found in most air samples, and it is also considered to be one of the more problematic species from a health perspective when found in elevated levels. The highest reading we found was in the conference room, at 210 spores/m3. It was identified in the outside air sample at 270 spores/m3. One might look at that comparison and think there is a borderline issue because the indoor concentration levels are almost the same as outdoor levels. However, if you look at the supplemental statistical analysis "MoldRANGE" chart (page 9 of the lab report), you will see that *Penicillium/Aspergillus* is not considered "high" until it exceeds 430 spores/m3 in that zip code, in the month of June, 2021 and "very high" once it exceeds 800/m3.

Because outdoor conditions change so rapidly, it is best to measure indoor concentration levels of mold/fungi/yeasts against the statistical averages, which is what we are doing here. With that in mind, the "Indoor Air Quality" in the building was already in what we would consider very good condition in reference to airborne pathogens. Those rates went from very goo to unbelievably excellent with the post testing results. Here is a brief layout of the numbers:

1) Cubicle area, back corner (near small conference room)
   a. Species identified pre-test:
      - Ascospores- 40 spores/m3
      - Basidiospores- 40 spores/m3
      - Penicillum/Aspergillus- 27 spores/m3
   b. Species identified post-test:
      - Basidiospores- 13 spores/m3
      - Penicillium/Aspergillus- 27 spores/m3

2) Tim's office
   a. Species identified pre-test:
      - Ascospores- 27 spores/m3
      - Basidiospores- 27 spores/m3
      - Penicillum/Aspergillus- 27 spores/m3
   b. Species identified post-test:
      - **No spores detected**

3) Building entrance area, outside restrooms
   a. Species identified pre-test:
      - Basidiospores- 270 spores/m3
      - Cladosporium- 53 spores/m3
      - Penicillum/Aspergillus- 110 spores/m3
      - Smuts/Periconia/Myxomycetes- 27 spores/m3
   b. Species identified post-test:
      - **No spores detected**

The other two post-test samples were both taken from the air passing through the HVAC ductwork, and both showed only a single spore to be present.

Digging deeper into the non-viable particulate matter numbers

Because the spore counts were generally low to begin with on the viable side, the contrast for how the post-testing results came out may not look as stark. Where you really see the difference is here, with the non-viable particulates. The pre-testing had many more samples taken because we wanted to check the conditions in the other building *not* being serviced by the M3 system machines. For the purposes of this section, we will only be comparing the same locations that were sampled pre and post M3 system operations.

Overall "background debris" (which includes dust, dirt, dander, pollen, inset parts, synthetic fibers, fiber glass particles, etc.) has its concentration shown as a value from <1+ to 4+. In all of the samples we are comparing, the pre-test values were all 2+ or 3+. The concentration value for dander was 3+ in all pre-testing samples. Let's look at some of the differences, pre and post testing:

1) Cubicle area, back corner (near small conference room)
    a. Particles identified pre-test:
        - Skin cells (dander)- 1,600 particles/m3
        - Cellulose fibers- 300/m3
        - Synthetic fibers- 13/m3
    b. Particles identified post-test:
        - Skin cells (dander)- 270/m3
        - Cellulose fibers- 80/m3
        - Pollen- 13/m3

2) Cubicle area, A/C supply air
    a. Particles identified pre-test:
        - Skin cells (dander)- 2,100 particles/m3
        - Cellulose fibers- 270/m3
        - Starch particles- 130/m3
        - Synthetic fibers- 67/m3
    b. Particles identified post-test:
        - Skin cells (dander)- 490/m3
        - Cellulose fibers- 110/m3
        - Starch particles- 0/m3
        - Synthetic fibers- 0/m3

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3) Building entrance area, outside restrooms
    a. Particles identified pre-test:
        - Skin cells (dander)- 5,400 particles/m3
        - Cellulose fibers- 310/m3
        - Glass fiber- 27/m3
        - Starch particles- 160/m3
        - Pollen- 13/m3
    b. Particles identified post-test:
        - Skin cells (dander)- 680 particles/m3
        - Cellulose fibers- 110/m3
        - Glass fiber- 0/m3
        - Starch particles- 13/m3
        - Pollen- 0/m3

4) Tim's office
    c. Particles identified pre-test:
        - Skin cells (dander)- 920 particles/m3
        - Cellulose fibers- 93/m3
        - Starch particles - 13/m3
    d. Particles identified post-test:
        - Skin cells (dander)- 230/m3
        - Synthetic fibers- 13/m3
        - Starch particles- 0/m3

In addition to the numbers above, the "overall" background debris numbers went from mostly 3+ down to 1+ or <1+ across the board. Even though these particles are not biological in nature like the mold/fungal spores, elevated concentration levels in the air can act as allergens and lead to respiratory related issues just the same. When we see numbers like in the pre-test data, it is usually an indicator of sub-par "housekeeping" duties. What can be concluded from the data is this:

1) Reduction in airborne concentrations of mold/fungi to insignificant levels.
2) Reduced airborne concentration levels of all other non-viable particulate matter exponentially.

The data presented in this report verifies the effectiveness of the M3 System's ability to remove allergens and pathogens from the air, providing the client's workspace with a much safer breathing space, but also underscores its ability to act as a preventative measure for long term considerations.

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The following pages contain copies of both the pre and post testing reports for your review. Thank you.

Respectfully,

Kevin Martin

Kevin Martin
CEO
GICC LLC

Report for:

Mr. Kevin Martin
Global Infection Control Consultants LLC
P.O. Box 49747
Charlotte, NC 28277

Regarding: Project: Corval Group Inc.
EML ID: 2656483

Approved by:

Operations Manager
Joshua Cox

Dates of Analysis:
Spore trap analysis: 06-07-2021

Service SOPs: Spore trap analysis (EM-MY-S-1038)
AIHA-LAP, LLC accredited service, Lab ID #102297

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.

Eurofins EMLab P&K
1501 West Knudsen Drive, Phoenix, AZ 85027
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021
Date of Report: 06-07-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	32754217: Outdoor		32754195: Cubicle area A/C bk corner		32754225: Cubicle area by units		32754215: Small conference rm	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	12695064-1		12695066-1		12695068-1		12695070-1	
Analysis Date:	06/07/2021		06/07/2021		06/07/2021		06/07/2021	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40						
Ascospores	62	3,300			3	40	3	40
Basidiospores	29	1,500			3	40	6	80
Chaetomium								
Cladosporium	80	4,300	1	67			1	13
Curvularia								
Myrothecium								
Nigrospora								
Other brown	3	40						
Other colorless								
Penicillium/Aspergillus types†	5	270	1	67	2	27	4	53
Pithomyces								
Rusts								
Smuts, Periconia, Myxomycetes	1	13						
Stachybotrys								
Stemphylium								
Torula	18	240						
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		3+		2+	
Hyphal fragments/m3	67		< 67		< 13		< 13	
Pollen/m3	120		< 67		< 13		< 13	
Skin cells (1-4+)	< 1+		2+		1+		< 1+	
Sample volume (liters)	75		15		75		75	
§ TOTAL SPORES/m3		9,700		130		110		190

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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(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021
Date of Report: 06-07-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	32754238: Tim's office		32754176: Adam Strand's office		4189: Adam Strand office A/C		4264: Area outside Restrooms	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	12695071-1		12695073-1		12695075-1		12695077-1	
Analysis Date:	06/07/2021		06/07/2021		06/07/2021		06/07/2021	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Ascospores	2	27	1	13	1	67		
Basidiospores	2	27	3	40	1	67	5	270
Chaetomium								
Cladosporium			2	27			1	53
Curvularia								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	2	27	1	13	1	67	2	110
Pithomyces								
Rusts								
Smuts, Periconia, Myxomycetes			1	13			2	27
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		3+		3+		3+	
Hyphal fragments/m3	< 13		< 13		< 67		< 13	
Pollen/m3	< 13		< 13		67		13	
Skin cells (1-4+)	1+		3+		3+		3+	
Sample volume (liters)	75		75		15		75	
§ TOTAL SPORES/m3		80		110		200		450

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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Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021 and 06-07-2021
Date of Report: 06-07-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	4280: Jodi Killian's office		32754186: Wayne's office		32754219: Cafeteria		32754223: Peter Jordan's office	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	12695079-1		12700077-1		12700078-1		12700079-1	
Analysis Date:	06/07/2021		06/07/2021		06/07/2021		06/07/2021	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Ascospores	2	27	1	53	1	53	1	53
Basidiospores	1	13	3	160			1	53
Chaetomium								
Cladosporium	1	13						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	2	27	2	110	2	110	2	110
Pithomyces								
Rusts								
Smuts, Periconia, Myxomycetes	1	13						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		3+		2+		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		93		320		160		210

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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Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Receipt: 06-07-2021
Date of Report: 06-07-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	32754185: Pre-Construction Draft		4216: Conference Room	
Comments (see below)	None		None	
Lab ID-Version‡:	12700080-1		12700081-1	
Analysis Date:	06/07/2021		06/07/2021	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13
Ascospores	2	110	1	53
Basidiospores	2	110	5	270
Chaetomium				
Cladosporium				
Curvularia			1	13
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Other brown			2	27
Other colorless				
Penicillium/Aspergillus types†	2	110	4	210
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		3+	
Hyphal fragments/m3	< 13		< 13	
Pollen/m3	< 13		< 13	
Skin cells (1-4+)	1+		2+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		320		590

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.

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

Report for:

Mr. Kevin Martin
Global Infection Control Consultants LLC
P.O. Box 49747
Charlotte, NC 28277

Regarding: Project: Corval Group Inc.
EML ID: 2656483

Approved by:

Operations Manager
Joshua Cox

Dates of Analysis:
Spore trap analysis other particles-Supplement: 06-07-2021

Service SOPs: Spore trap analysis other particles-Supplement (EM-MY-S-1038)
AIHA-LAP, LLC accredited service, Lab ID #102297

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

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Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021
Date of Report: 06-07-2021

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	32754217: Outdoor		32754195: Cubicle area A/C bk corner		32754225: Cubicle area by units		32754238: Tim's office	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	12695065-1		12695067-1		12695069-1		12695072-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN								
Grass (Poaceae)								
Mulberry (Morus)								
Oak (Quercus)								
Other	9	120						
Pine (Pinaceae)								
Ragweed (Ambrosieae)								
Sycamore (Platanus)								
OTHER PLANT								
Algae								
Diatoms								
Fern, moss, etc. spores								
Other (wood, trichomes, etc.)	1	13						
OTHER PARTICLES:								
ANIMAL								
Epithelial (skin) cells	29	390	26	2,100	97	1,600	34	920
Hair								
Insect parts	1	13						
Mites								
FUNGI								
Hyphal fragments	5	67						
NON-BIOLOGICAL								
Cellulose fibers	7	93	4	270	23	300	7	93
Glass fiber	1	13						
Starch particles	1	13	2	130			1	13
Synthetic fibers			1	67	1	13		
Background debris (1-4+)†	3+		3+		3+		2+	
Sample volume (liters)	75		15		75		75	

Comments:

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

Carbonaceous particles include soot and other combustion products. In most instances a detailed analysis of soot can be accomplished using scanning electron microscopy.

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

† Background debris is an indication of the amounts of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. To evaluate dust levels it is important to account for differences in sample volume.

‡ 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: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021
Date of Report: 06-07-2021

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	32754176: Adam Strand's office		4189: Adam Strand office A/C		4264: Area outside Restrooms	
Comments (see below)	None		None		None	
Lab ID-Version‡:	12695074-1		12695076-1		12695078-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN						
Eucalyptus (Eucalyptus)						
Grass (Poaceae)						
Mulberry (Morus)						
Oak (Quercus)						
Other			1	67	1	13
Pine (Pinaceae)						
Ragweed (Ambrosieae)						
Sycamore (Platanus)						
OTHER PLANT						
Algae						
Diatoms						
Fern, moss, etc. spores						
Other (wood, trichomes, etc.)			1	67		
OTHER PARTICLES:						
ANIMAL						
Epithelial (skin) cells	194	4,400	39	3,500	221	5,400
Hair						
Insect parts						
Mites						
FUNGI						
Hyphal fragments						
NON-BIOLOGICAL						
Cellulose fibers	22	290	4	270	24	310
Glass fiber			1	67	2	27
Starch particles	38	510	2	130	12	160
Synthetic fibers	3	40				
Background debris (1-4+)†	3+		3+		3+	
Sample volume (liters)	75		15		75	

Comments:

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

Carbonaceous particles include soot and other combustion products. In most instances a detailed analysis of soot can be accomplished using scanning electron microscopy.

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

† Background debris is an indication of the amounts of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. To evaluate dust levels it is important to account for differences in sample volume.

‡ 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".

Eurofins EMLab P&K
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Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021
Date of Report: 06-07-2021

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 32754217, Outdoor

Fungi Identified	Outdoor data	Typical Outdoor Data for: June in Minnesota† (n‡=187)						Typical Outdoor Data for: The entire year in Minnesota† (n‡=2787)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	40	13	20	53	110	170	75	13	20	53	190	360	55
Bipolaris/Drechslera group	-	-	-	-	-	-	5	7	7	13	53	53	8
Chaetomium	-	-	-	-	-	-	3	7	7	13	40	69	4
Cladosporium	4,300	160	370	1,300	3,200	5,000	95	53	110	720	2,800	4,900	85
Curvularia	-	7	7	13	39	52	11	7	7	16	53	79	9
Nigrospora	-	-	-	-	-	-	6	7	7	27	53	100	16
Other brown	40	7	7	13	34	76	16	7	7	13	33	49	10
Penicillium/Aspergillus types	270	35	53	160	430	800	35	29	53	130	370	750	41
Stachybotrys	-	-	-	-	-	-	2	7	8	27	110	420	2
Torula	240	-	-	-	-	-	9	7	10	27	53	80	6
Seldom found growing indoors**													
Ascospores	3,300	210	560	1,800	5,000	7,800	97	53	80	480	1,900	3,500	75
Basidiospores	1,500	270	560	2,400	7,400	11,000	98	53	130	1,000	4,900	9,000	88
Rusts	-	7	7	13	53	53	32	7	13	40	93	160	30
Smuts, Periconia, Myxomycetes	13	13	20	53	110	160	72	13	13	53	110	210	56
§ TOTAL SPORES/m3	9,700												

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

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

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

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

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by Eurofins 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.

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Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021 and 06-07-2021
Date of Report: 06-07-2021

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 32754217: Outdoor

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	40	7 - 33 - 400	40
Ascospores	3,300	13 - 270 - 6,300	76
Basidiospores	1,500	20 - 480 - 24,000	90
Cladosporium	4,300	27 - 480 - 8,300	88
Other brown	40	7 - 22 - 160	27
Penicillium/Aspergillus types	270	13 - 210 - 2,800	64
Smuts, Periconia, Myxomycetes	13	7 - 53 - 1,100	67
Torula	240	7 - 17 - 190	9
Total	9,700		

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: 32754195: Cubicle area A/C bk corner

% 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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.6012 Critical value: 0.6190 Outside Similar: No	Score: 110 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	67
Penicillium/Aspergillus types	67
Total	130

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 32754225: Cubicle area by units

% 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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.5952 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 – 1K – 10K – >100K)
Ascospores	40
Basidiospores	40
Penicillium/Aspergillus types	27
Total	110

Location: 32754215: Small conference rm

% 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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.6667	dF: 8 Result: 0.7321 Critical value: 0.6190 Outside Similar: Yes	Score: 108 Result: Low

Species Detected	Spores/m3 (<100 – 1K – 10K – >100K)
Ascospores	40
Basidiospores	80
Cladosporium	13
Penicillium/Aspergillus types	53
Total	190

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 32754238: Tim'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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.5774 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 · 1K · 10K · >100K)
Ascospores	27
Basidiospores	27
Penicillium/Aspergillus types	27
Total	80

Location: 32754176: Adam Strand'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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.7692	dF: 8 Result: 0.6488 Critical value: 0.6190 Outside Similar: Yes	Score: 103 Result: Low

Species Detected	Spores/m3 (<100 · 1K · 10K · >100K)
Ascospores	13
Basidiospores	40
Cladosporium	27
Penicillium/Aspergillus types	13
Smuts, Periconia, Myxomycetes	13
Total	110

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 4189: Adam Strand office A/C

% 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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.5774 Critical value: 0.6190 Outside Similar: No	Score: 110 Result: Low

Species Detected	Spores/m3 (<100 – 1K – 10K – >100K)
Ascospores	67
Basidiospores	67
Penicillium/Aspergillus types	67
Total	200

Location: 4264: Area outside Restrooms

% 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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.6667	dF: 8 Result: 0.3988 Critical value: 0.6190 Outside Similar: No	Score: 121 Result: Low

Species Detected	Spores/m3 (<100 – 1K – 10K – >100K)
Basidiospores	270
Cladosporium	53
Penicillium/Aspergillus types	110
Smuts, Periconia, Myxomycetes	27
Total	450

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 4280: Jodi Killian'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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.7692	dF: 8 Result: 0.5595 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Ascospores	27
Basidiospores	13
Cladosporium	13
Penicillium/Aspergillus types	27
Smuts, Periconia, Myxomycetes	13
Total	93

Location: 32754186: Wayne'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: 3%	dF: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.5298 Critical value: 0.6190 Outside Similar: No	Score: 116 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Ascospores	53
Basidiospores	160
Penicillium/Aspergillus types	110
Total	320

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 32754219: Cafeteria

% 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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.4762 Critical value: 0.6190 Outside Similar: No	Score: 117 Result: Low

Species Detected	Spores/m3 (<100, 1K, 10K, >100K)
Ascospores	53
Penicillium/Aspergillus types	110
Total	160

Location: 32754223: Peter Jordan'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: 2%	dF: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.5238 Critical value: 0.6190 Outside Similar: No	Score: 117 Result: Low

Species Detected	Spores/m3 (<100, 1K, 10K, >100K)
Ascospores	53
Basidiospores	53
Penicillium/Aspergillus types	110
Total	210

Location: 32754185: Pre-Construction Draft

% 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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.5774 Critical value: 0.6190 Outside Similar: No	Score: 116 Result: Low

Species Detected	Spores/m3 (<100, 1K, 10K, >100K)
Ascospores	110
Basidiospores	110
Penicillium/Aspergillus types	110
Total	320

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 4216: Conference Room

% 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: 12 Result: 12.3997 Critical value: 21.0261 Inside Similar: Yes	Result: 0.7143	dF: 9 Result: 0.2792 Critical value: 0.5833 Outside Similar: No	Score: 131 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Alternaria	13
Ascospores	53
Basidiospores	270
Curvularia	13
Other brown	27
Penicillium/Aspergillus types	210
Total	590

* 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.

** 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.

**** MoldSCORE™ 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.

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MoldSCORE™: Spore Trap Report

Outdoor Sample: 32754217 Outdoor

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		3	40
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		80	4,300
Curvularia		ND	< 13
Nigrospora		ND	< 13
Other brown		3	40
Penicillium/Aspergillus types†		5	270
Stachybotrys		ND	< 13
Torula		18	240
Seldom found growing indoors**			
Ascospores		62	3,300
Basidiospores		29	1,500
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		1	13
Total			**9,720**

Location: 32754195 Cubicle area A/C bk corner

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 67		100
Bipolaris/Drechslera group		ND	< 67		100
Chaetomium		ND	< 67		100
Cladosporium		1	67		101
Curvularia		ND	< 67		100
Nigrospora		ND	< 67		100
Penicillium/Aspergillus types†		1	67		110
Stachybotrys		ND	< 67		100
Torula		ND	< 67		100
Seldom found growing indoors**					
Ascospores		ND	< 67		100
Basidiospores		ND	< 67		100
Rusts		ND	< 67		100
Smuts, Periconia, Myxomycetes		ND	< 67		100
Total			**133**	**Final MoldSCORE**	**110**

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MoldSCORE™: Spore Trap Report

Location: 32754225 Cubicle area by units

Fungi Identified	Indoor sample spores/m3 (<100 1K 10K >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100 200 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	27		104
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		3	40		102
Basidiospores		3	40		102
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**104**

Location: 32754215 Small conference rm

Fungi Identified	Indoor sample spores/m3 (<100 1K 10K >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100 200 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		4	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		3	40		100
Basidiospores		6	80		105
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**187**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 32754238 Tim's office

Fungi Identified	Indoor sample spores/m3 (<100, 1K, 10K, >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100, 200, 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	27		104
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	27		100
Basidiospores		2	27		102
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**80**	**Final MoldSCORE**	**104**

Location: 32754176 Adam Strand's office

Fungi Identified	Indoor sample spores/m3 (<100, 1K, 10K, >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100, 200, 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	27		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	13		102
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		1	13		100
Basidiospores		3	40		102
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		103
Total			**107**	**Final MoldSCORE**	**103**

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1501 West Knudsen Drive, Phoenix, AZ 85027
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021 and 06-07-2021
Date of Report: 06-07-2021

MoldSCORE™: Spore Trap Report

Location: 4189 Adam Strand office A/C

Fungi Identified	Indoor sample spores/m3 (<100 / 1K / 10K / >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100 / 200 / 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 67		100
Bipolaris/Drechslera group		ND	< 67		100
Chaetomium		ND	< 67		100
Cladosporium		ND	< 67		100
Curvularia		ND	< 67		100
Nigrospora		ND	< 67		100
Penicillium/Aspergillus types†		1	67		110
Stachybotrys		ND	< 67		100
Torula		ND	< 67		100
Seldom found growing indoors**					
Ascospores		1	67		100
Basidiospores		1	67		104
Rusts		ND	< 67		100
Smuts, Periconia, Myxomycetes		ND	< 67		100
Total			**200**	**Final MoldSCORE**	**110**

Location: 4264 Area outside Restrooms

Fungi Identified	Indoor sample spores/m3 (<100 / 1K / 10K / >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100 / 200 / 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		115
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		5	270		121
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		2	27		105
Total			**453**	**Final MoldSCORE**	**121**

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(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021 and 06-07-2021
Date of Report: 06-07-2021

MoldSCORE™: Spore Trap Report

Location: 4280 Jodi Killian's office

Fungi Identified	Indoor sample spores/m3 (<100, 1K, 10K, >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100, 200, 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	27		104
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	27		100
Basidiospores		1	13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		103
Total			**93**	**Final MoldSCORE**	**104**

Location: 32754186 Wayne's office

Fungi Identified	Indoor sample spores/m3 (<100, 1K, 10K, >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100, 200, 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		116
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		1	53		100
Basidiospores		3	160		112
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**320**	**Final MoldSCORE**	**116**

Eurofins EMLab P&K
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Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021 and 06-07-2021
Date of Report: 06-07-2021

MoldSCORE™: Spore Trap Report

Location: 32754219 Cafeteria

Fungi Identified	Indoor sample spores/m3 (<100, 1K, 10K, >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100, 200, 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		117
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		1	53		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**160**	**Final MoldSCORE**	**117**

Location: 32754223 Peter Jordan's office

Fungi Identified	Indoor sample spores/m3 (<100, 1K, 10K, >100K)	Raw count	Spores/ m3	MoldSCORE‡ (100, 200, 300)	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		117
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		1	53		100
Basidiospores		1	53		102
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**213**	**Final MoldSCORE**	**117**

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Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021 and 06-07-2021
Date of Report: 06-07-2021

MoldSCORE™: Spore Trap Report

Location: 32754185 Pre-Construction Draft

Fungi Identified	Indoor sample spores/m3 (<100, 1K, 10K, >100K)	Raw count	Spores/ m3	MoldSCORE‡ Score
Generally able to grow indoors*				
Alternaria		ND	< 13	100
Bipolaris/Drechslera group		ND	< 13	100
Chaetomium		ND	< 13	100
Cladosporium		ND	< 13	100
Curvularia		ND	< 13	100
Nigrospora		ND	< 13	100
Penicillium/Aspergillus types†		2	110	116
Stachybotrys		ND	< 13	100
Torula		ND	< 13	100
Seldom found growing indoors**				
Ascospores		2	110	100
Basidiospores		2	110	106
Rusts		ND	< 13	100
Smuts, Periconia, Myxomycetes		ND	< 13	100
Total			**320**	**Final MoldSCORE 116**

Location: 4216 Conference Room

Fungi Identified	Indoor sample spores/m3 (<100, 1K, 10K, >100K)	Raw count	Spores/ m3	MoldSCORE‡ Score
Generally able to grow indoors*				
Alternaria		1	13	104
Bipolaris/Drechslera group		ND	< 13	100
Chaetomium		ND	< 13	100
Cladosporium		ND	< 13	100
Curvularia		1	13	105
Nigrospora		ND	< 13	100
Other brown		2	27	110
Penicillium/Aspergillus types†		4	210	131
Stachybotrys		ND	< 13	100
Torula		ND	< 13	100
Seldom found growing indoors**				
Ascospores		1	53	100
Basidiospores		5	270	119
Rusts		ND	< 13	100
Smuts, Periconia, Myxomycetes		ND	< 13	100
Total			**587**	**Final MoldSCORE 131**

Eurofins EMLab P&K
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(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group Inc.

Date of Sampling: 06-02-2021
Date of Receipt: 06-04-2021 and 06-07-2021
Date of Report: 06-07-2021

MoldSCORE™: Spore Trap Report

* 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.

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

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

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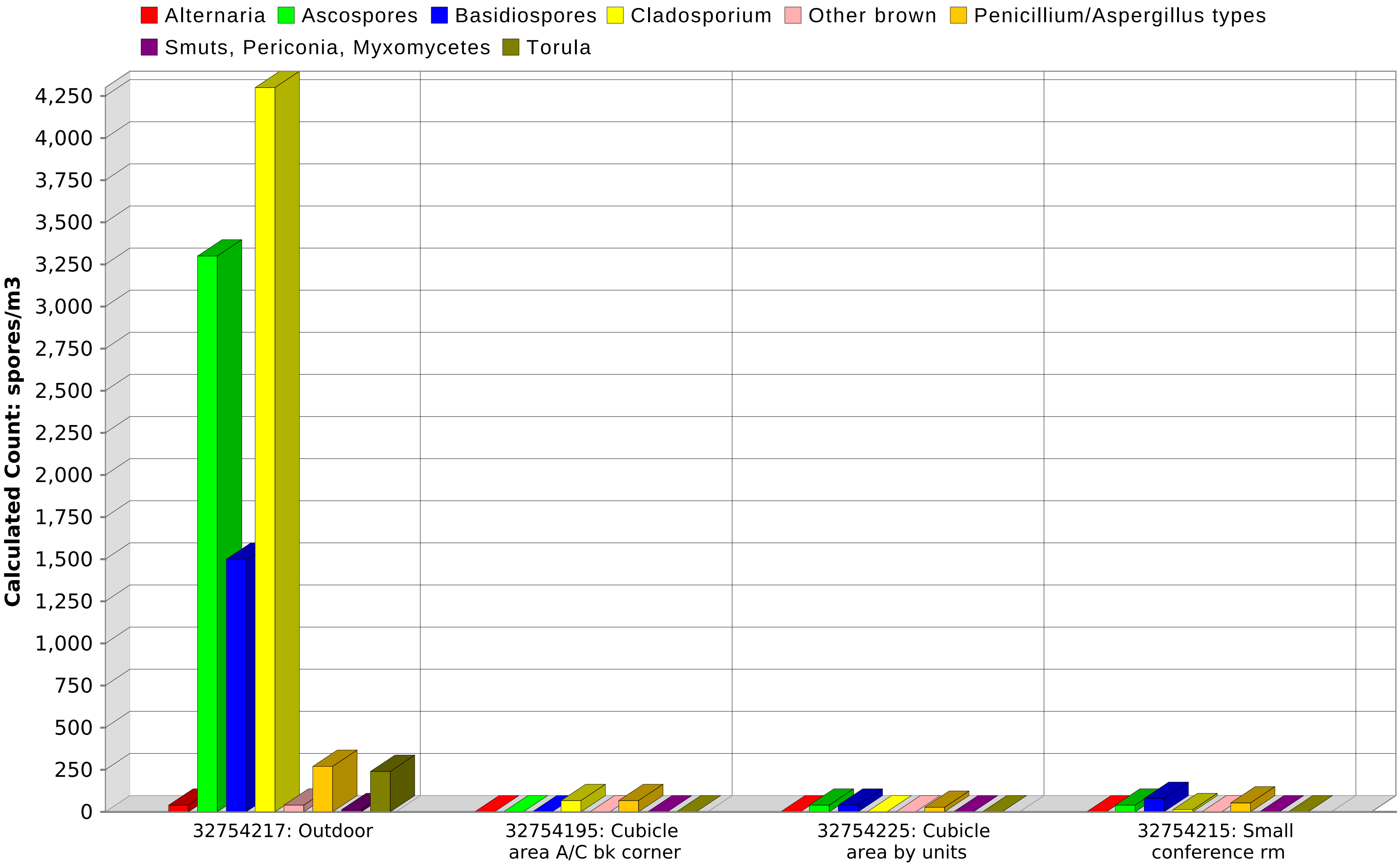
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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

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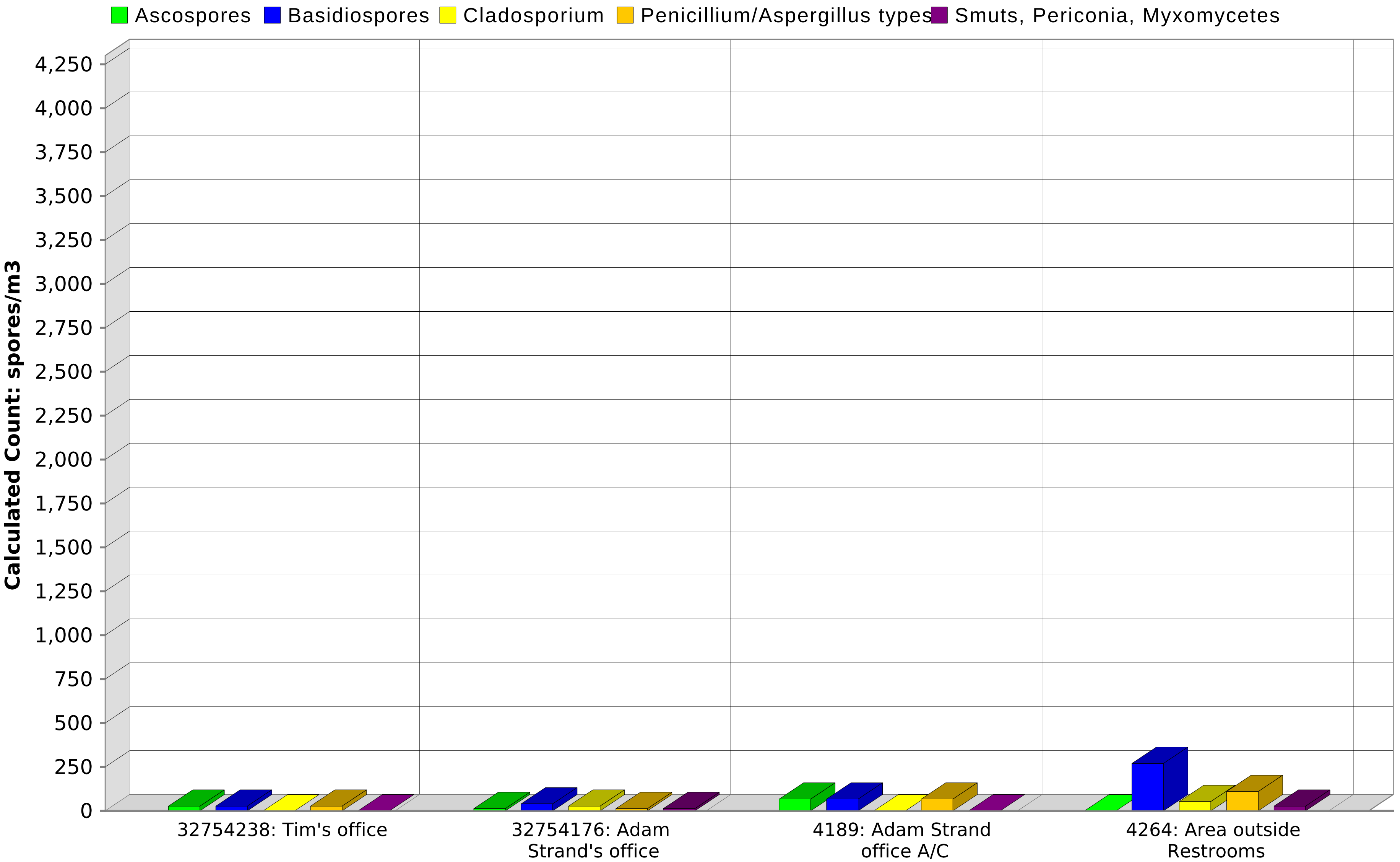
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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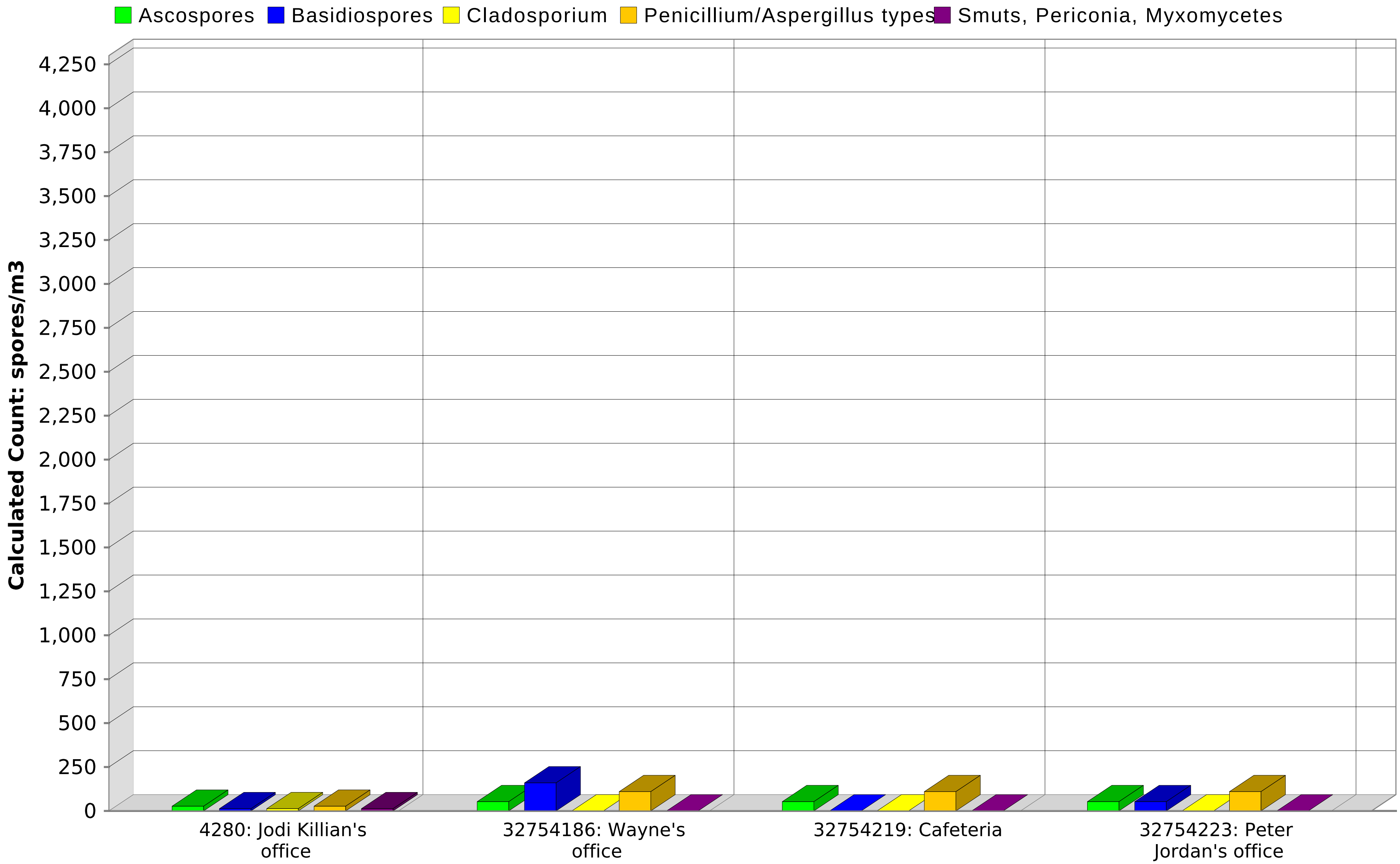
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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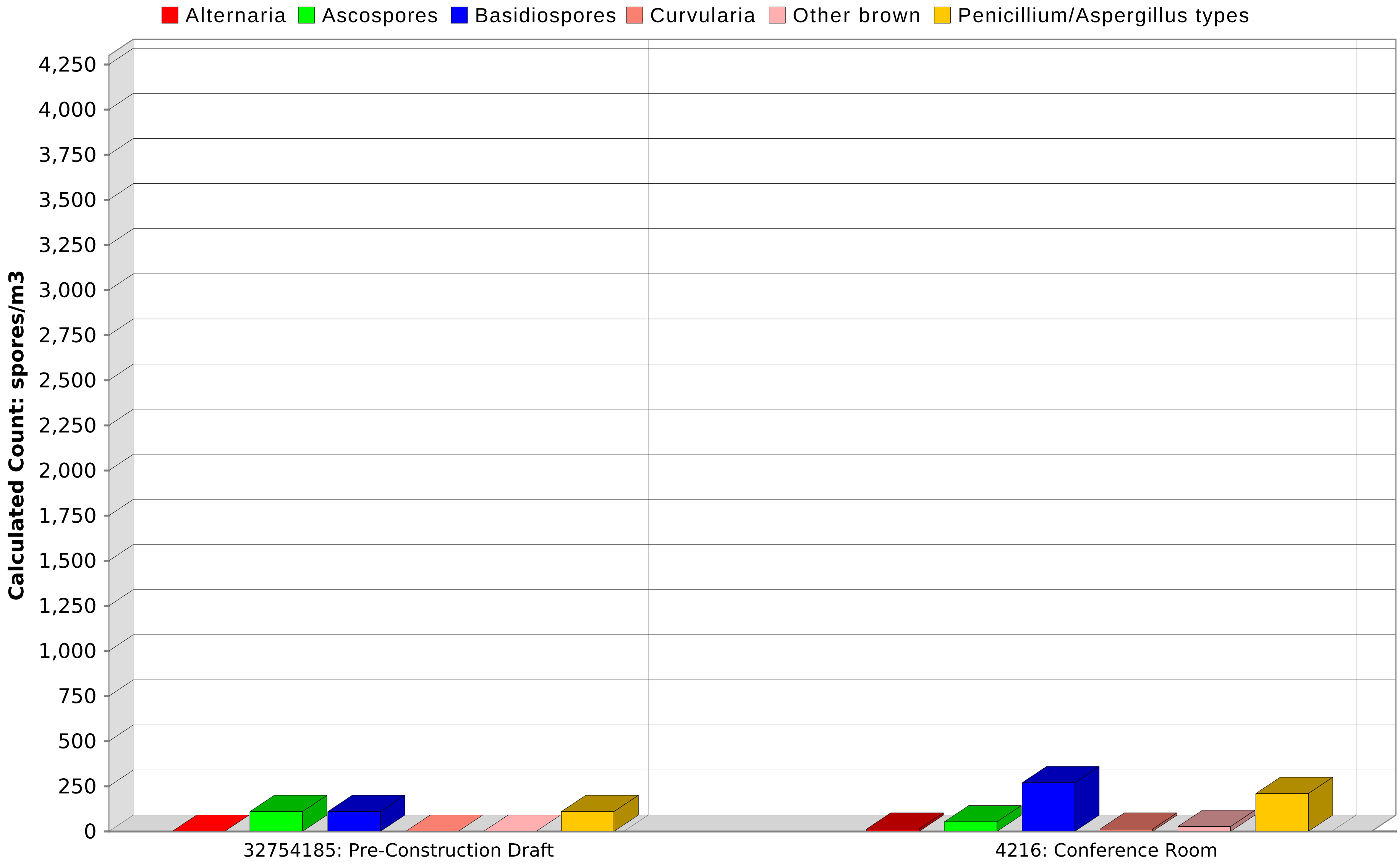
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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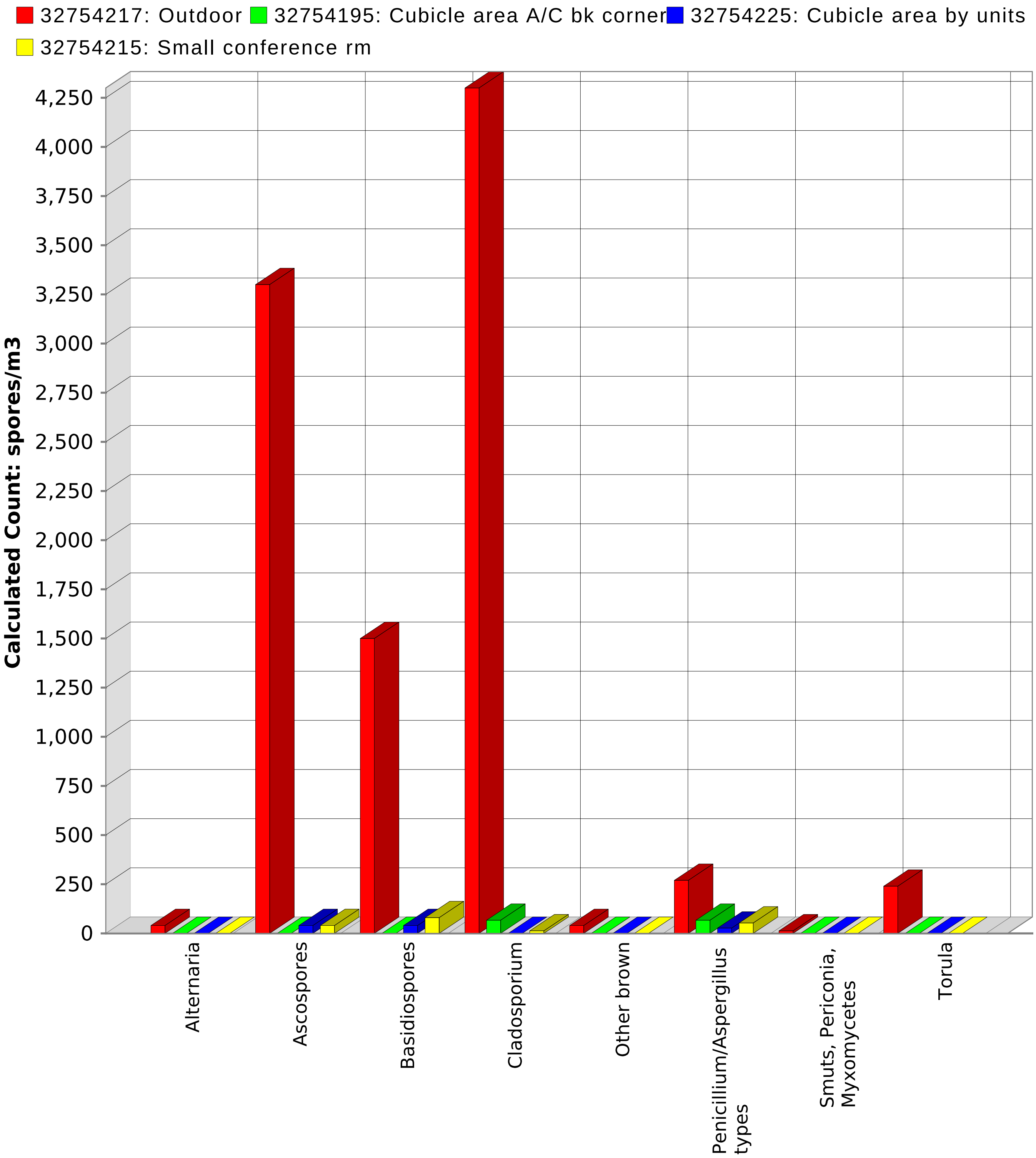
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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

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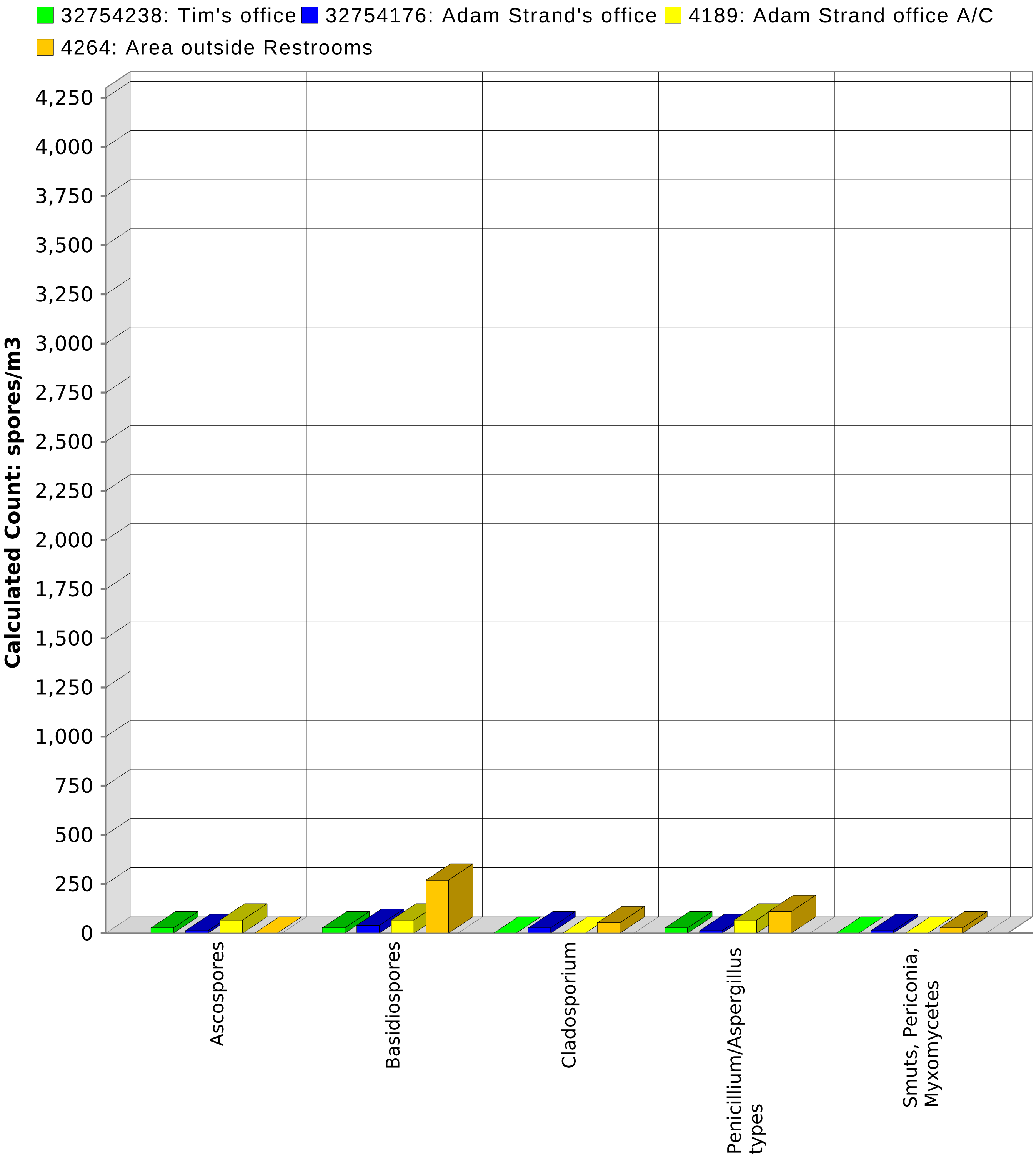
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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

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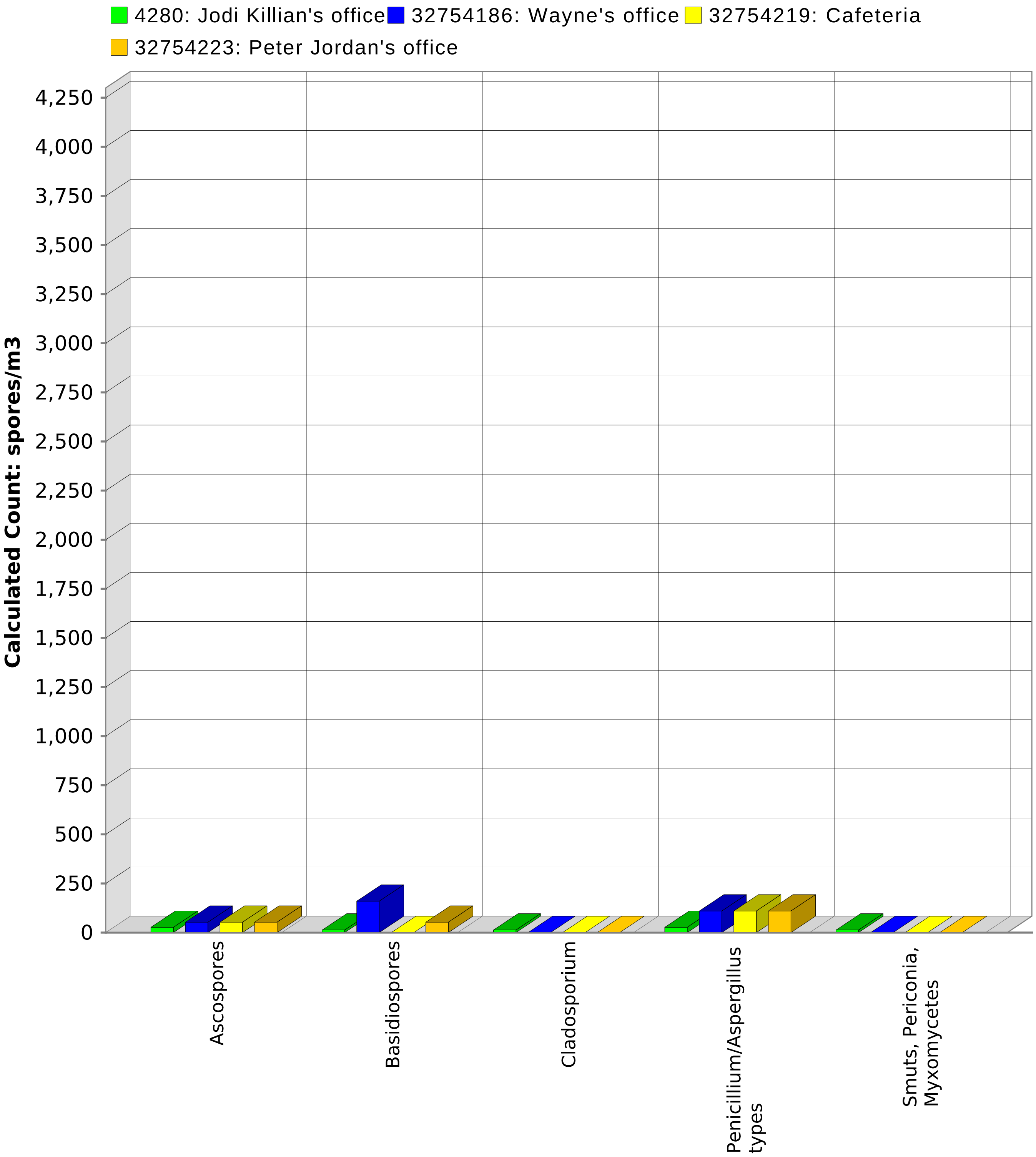
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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

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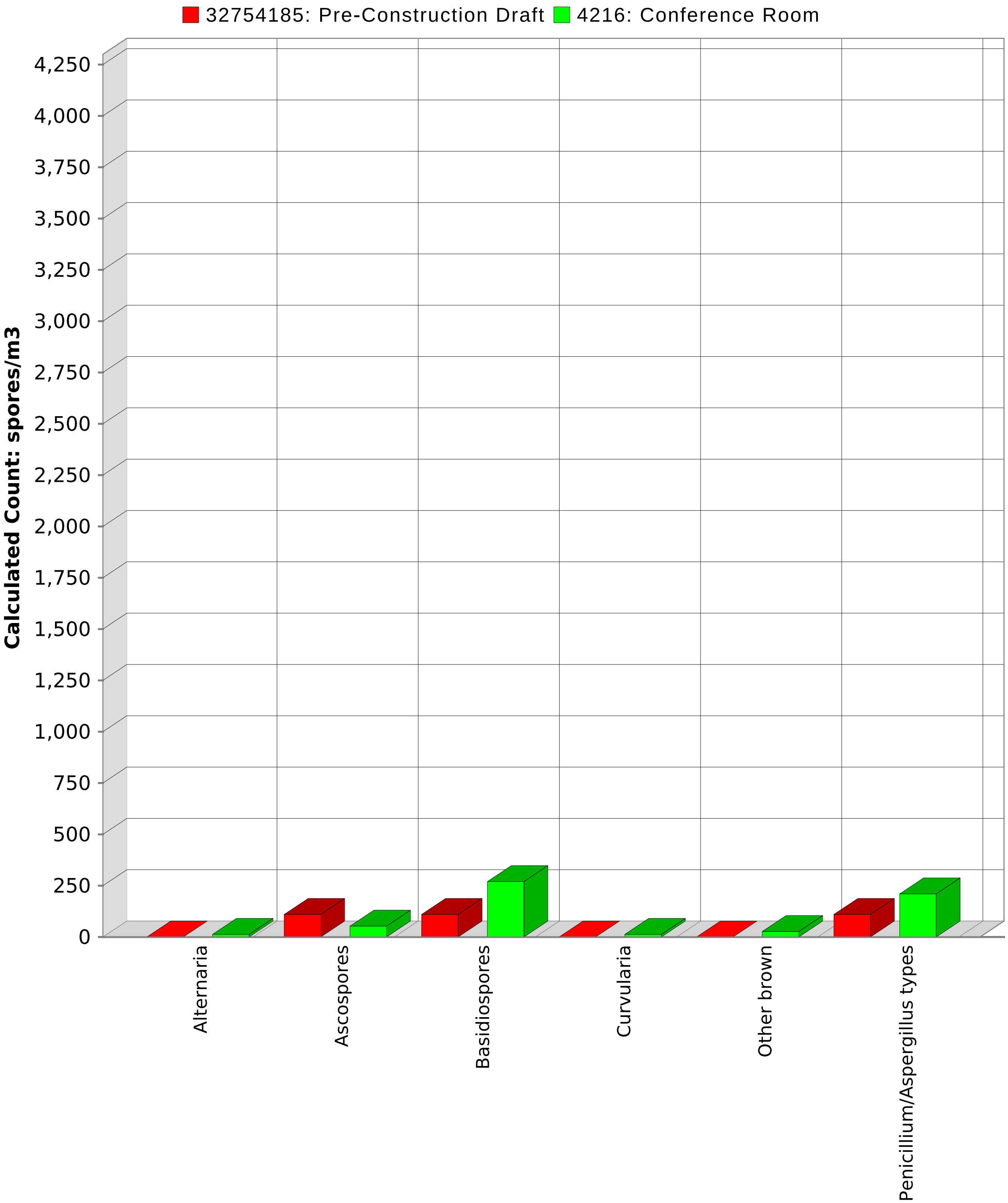
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

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

EMLab P&K

Report for:

Mr. Kevin Martin
Global Infection Control Consultants LLC
P.O. Box 49747
Charlotte, NC 28277

Regarding: Project: Corval Group post testing
EML ID: 2689242

Approved by:

Joshua T. Cox

Operations Manager
Joshua Cox

Dates of Analysis:
Spore trap analysis: 07-21-2021

Service SOPs: Spore trap analysis (EM-MY-S-1038)
AIHA-LAP, LLC accredited service, Lab ID #102297

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

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(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group post testing

Date of Sampling: 07-12-2021
Date of Receipt: 07-21-2021
Date of Report: 07-21-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	32754226: Cubicle area by units		32754320: Tim's office		32754495: Cubicle area A/C back corner	
Comments (see below)	None		A		None	
Lab ID-Version‡:	12859001-1		12859003-1		12859005-1	
Analysis Date:	07/21/2021		07/21/2021		07/21/2021	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores	1	13				
Bipolaris/Drechslera group						
Chaetomium						
Cladosporium						
Curvularia						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	2	27			1	67
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		< 1+		< 1+	
Hyphal fragments/m3	< 13		< 13		< 67	
Pollen/m3	13		< 13		< 67	
Skin cells (1-4+)	< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		15	
§ TOTAL SPORES/m3		40		< 13		67

Comments: A) No spores detected.

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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(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group post testing

Date of Sampling: 07-12-2021
Date of Receipt: 07-21-2021
Date of Report: 07-21-2021

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	3275452: Office A/C 2		32754258: Front waiting/area outside BRs		32754259: Outdoor	
Comments (see below)	None		A		B	
Lab ID-Version‡:	12859007-1		12859009-1		12859011-1	
Analysis Date:	07/21/2021		07/21/2021		07/21/2021	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					7	93
Ascospores					33	1,800
Basidiospores					145	7,700
Bipolaris/Drechslera group					10	130
Chaetomium						
Cladosporium					5	270
Curvularia					21	280
Myrothecium						
Nigrospora					1	13
Other colorless					1	13
Penicillium/Aspergillus types†	1	67			23	350
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes					5	67
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		1+		2+	
Hyphal fragments/m3	< 67		< 13		40	
Pollen/m3	< 67		< 13		27	
Skin cells (1-4+)	< 1+		< 1+		1+	
Sample volume (liters)	15		75		75	
§ TOTAL SPORES/m3		67		< 13		11,000

Comments: A) No spores detected. B) 22 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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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EMLab P&K

Report for:

Mr. Kevin Martin
Global Infection Control Consultants LLC
P.O. Box 49747
Charlotte, NC 28277

Regarding: Project: Corval Group post testing
EML ID: 2689242

Approved by:

Joshua T. Cox

Operations Manager
Joshua Cox

Dates of Analysis:
Spore trap analysis other particles-Supplement: 07-21-2021

Service SOPs: Spore trap analysis other particles-Supplement (EM-MY-S-1038)
AIHA-LAP, LLC accredited service, Lab ID #102297

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

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(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Global Infection Control Consultants LLC
C/O: Mr. Kevin Martin
Re: Corval Group post testing

Date of Sampling: 07-12-2021
Date of Receipt: 07-21-2021
Date of Report: 07-21-2021

OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	32754226: Cubicle area by units		32754320: Tim's office		32754495: Cubicle area A/C back corner	
Comments (see below)	None		None		None	
Lab ID-Version‡:	12859002-1		12859004-1		12859006-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN						
Grass (Poaceae)						
Mulberry (Morus)						
Oak (Quercus)						
Other	1	13				
Pine (Pinaceae)						
Ragweed (Ambrosieae)						
Sycamore (Platanus)						
OTHER PLANT						
Algae						
Diatoms						
Fern, moss, etc. spores						
Other (wood, trichomes, etc.)						
OTHER PARTICLES:						
ANIMAL						
Epithelial (skin) cells	19	270	17	230	10	490
Hair						
Insect parts						
Mites						
FUNGI						
Hyphal fragments						
NON-BIOLOGICAL						
Cellulose fibers	6	80			2	110
Glass fiber						
Starch particles						
Synthetic fibers			1	13		
Background debris (1-4+)†	1+		< 1+		< 1+	
Sample volume (liters)	75		75		15	

Comments:

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

Carbonaceous particles include soot and other combustion products. In most instances a detailed analysis of soot can be accomplished using scanning electron microscopy.

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

† Background debris is an indication of the amounts of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. To evaluate dust levels it is important to account for differences in sample volume.

‡ 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".

Eurofins EMLab P&K
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OTHER BIOLOGICAL PARTICLES REPORT: NON-VIABLE METHODOLOGY

Location:	3275452: Office A/C 2		32754258: Front waiting/area outside BRs		32754259: Outdoor	
Comments (see below)	None		None		None	
Lab ID-Version‡:	12859008-1		12859010-1		12859012-1	
	raw ct.	particles/m3	raw ct.	particles/m3	raw ct.	particles/m3
POLLEN						
Grass (Poaceae)						
Mulberry (Morus)						
Oak (Quercus)						
Other					2	27
Pine (Pinaceae)						
Ragweed (Ambrosieae)						
Sycamore (Platanus)						
OTHER PLANT						
Algae						
Diatoms						
Fern, moss, etc. spores						
Other (wood, trichomes, etc.)						
OTHER PARTICLES:						
ANIMAL						
Epithelial (skin) cells	8	370	51	680	137	2,700
Hair						
Insect parts						
Mites						
FUNGI						
Hyphal fragments					3	40
NON-BIOLOGICAL						
Cellulose fibers	3	220	8	110	12	160
Glass fiber					2	27
Starch particles			1	13	7	93
Synthetic fibers	1	67			4	53
Background debris (1-4+)†	1+		1+		2+	
Sample volume (liters)	15		75		75	

Comments:

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

Carbonaceous particles include soot and other combustion products. In most instances a detailed analysis of soot can be accomplished using scanning electron microscopy.

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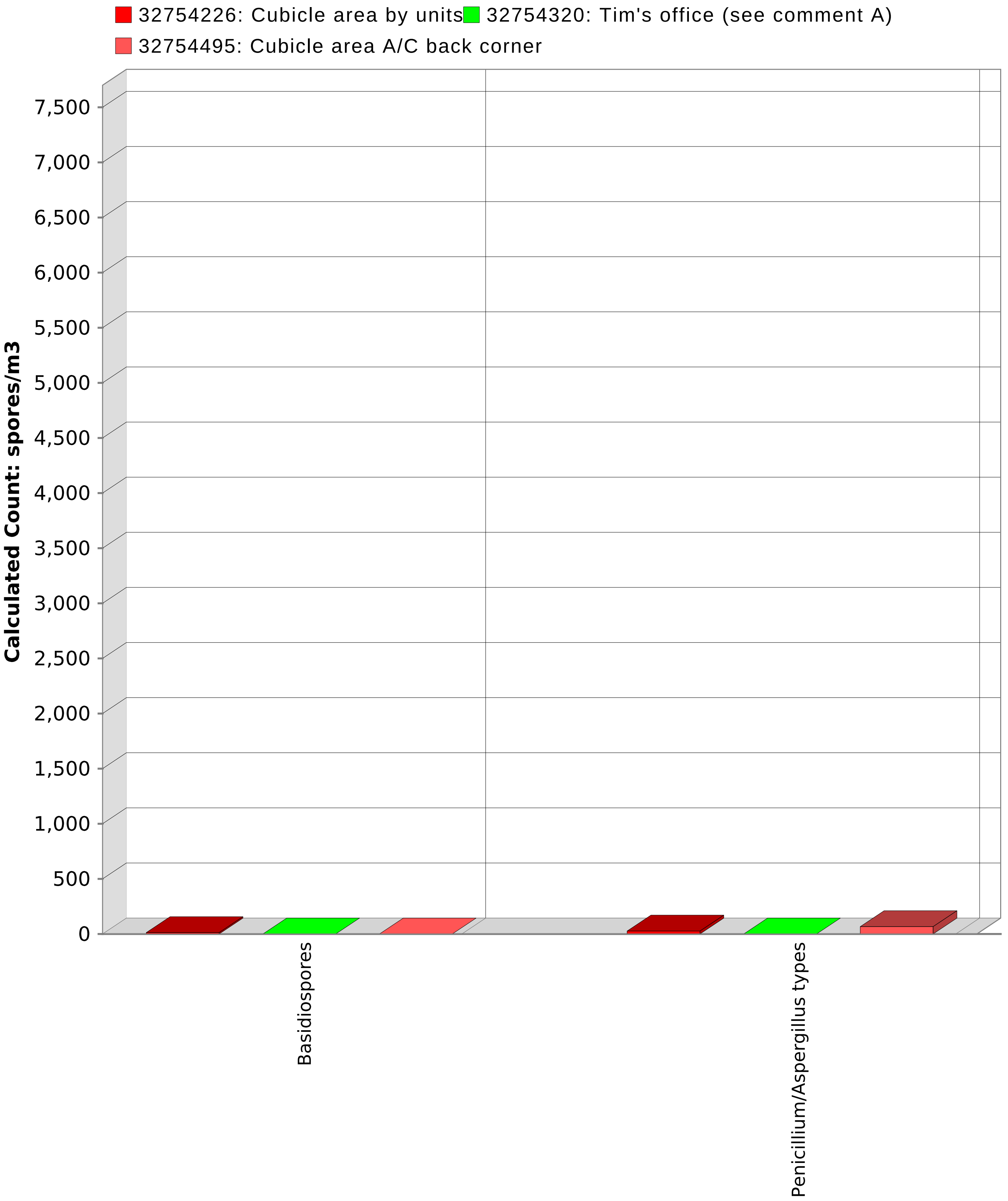
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments: A) No spores detected.

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

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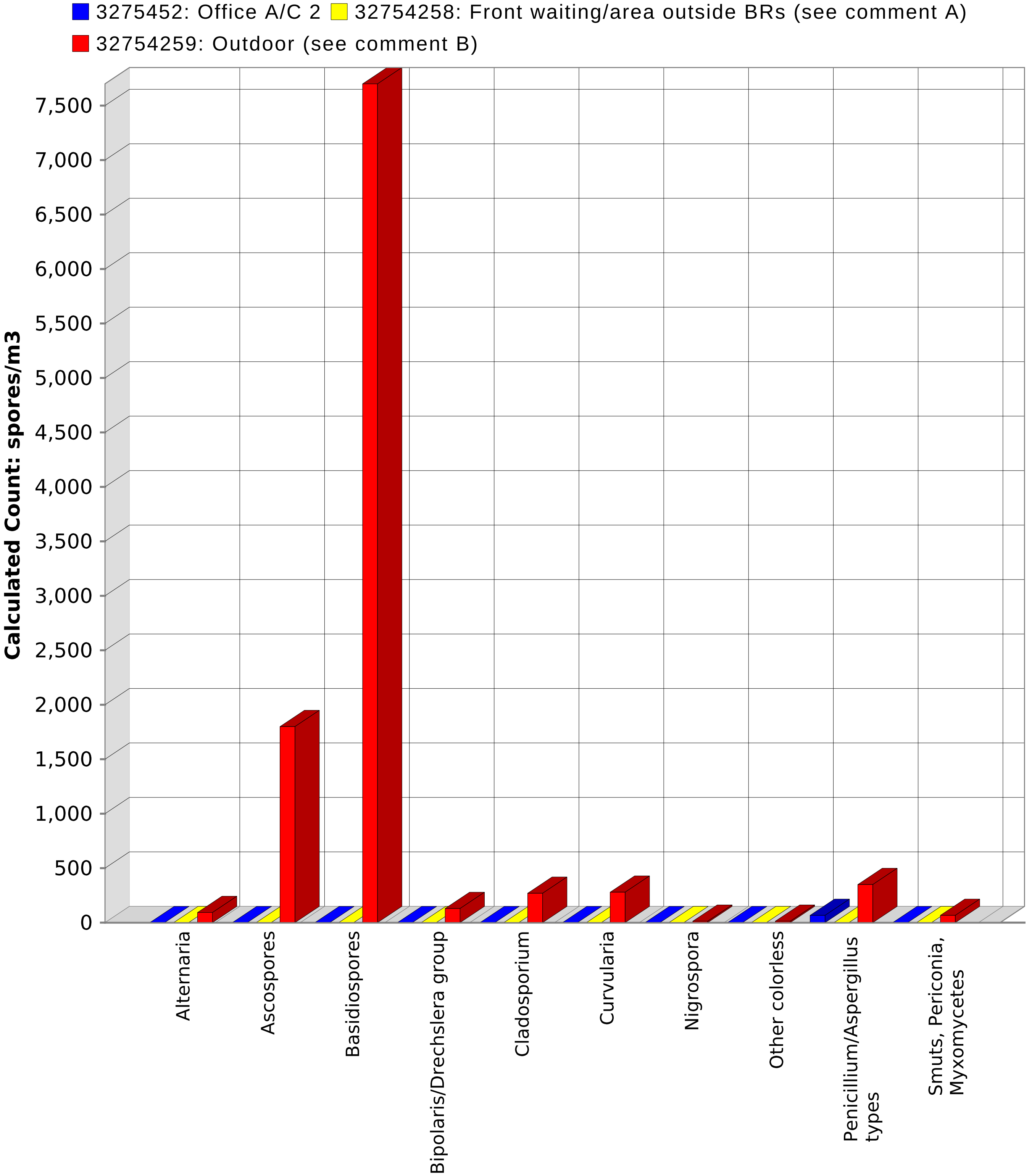
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments: A) No spores detected. B) 22 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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

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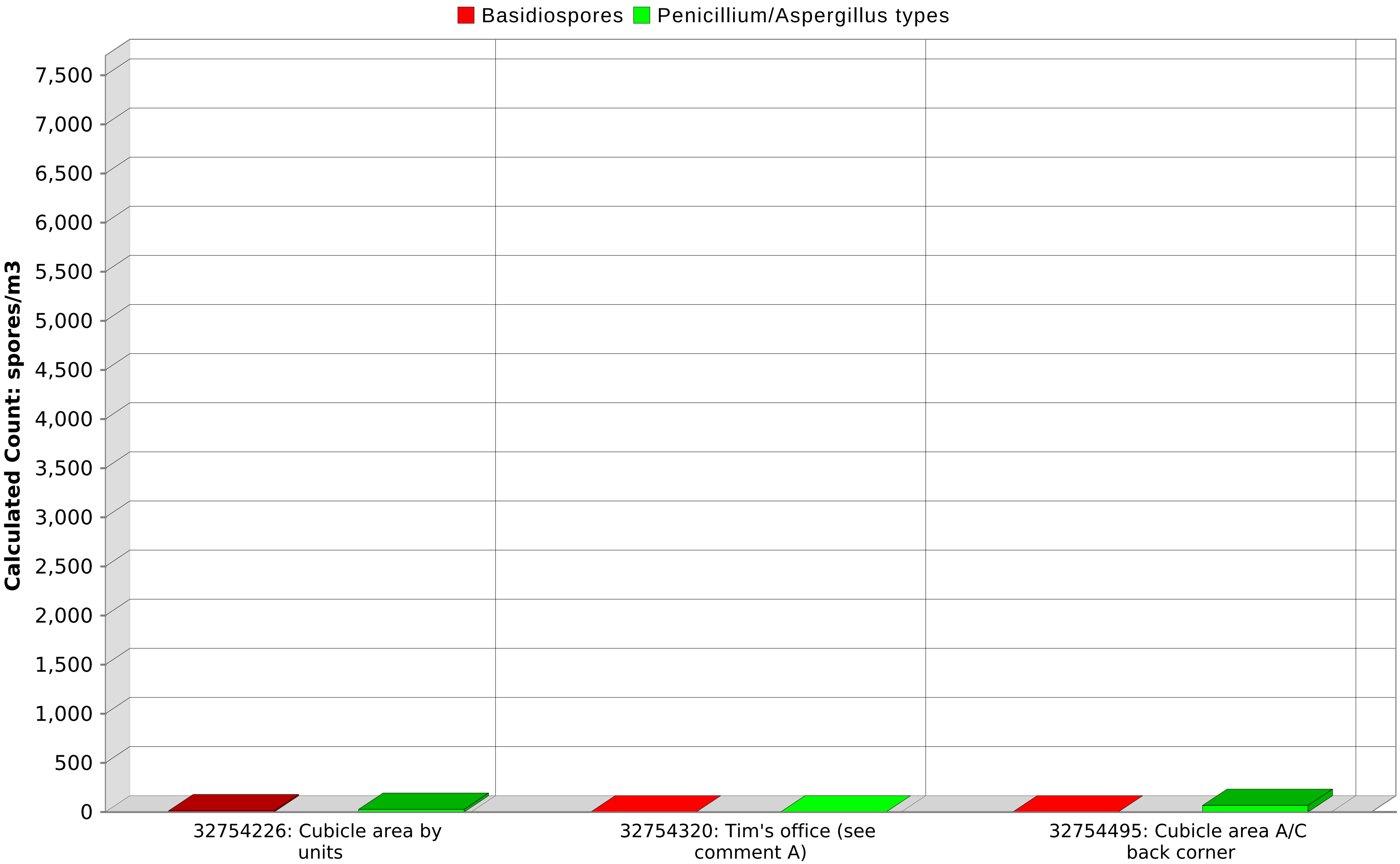
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments: A) No spores detected.

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

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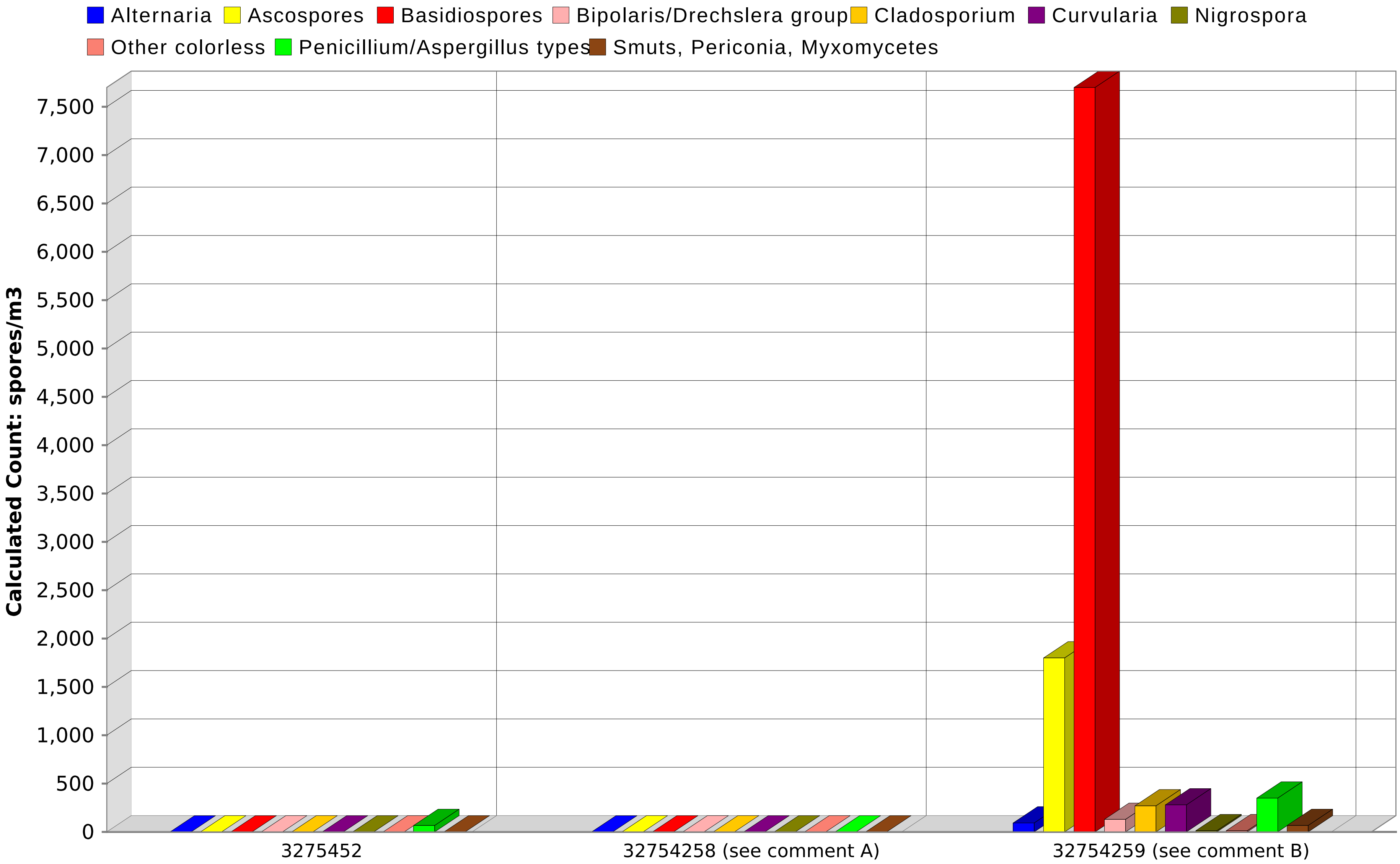
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments: A) No spores detected. B) 22 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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