



HYGIENETECH

Hygiene Technologies International, Inc.

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April 16, 2013

State of California Board of Equalization
450 N Street
Sacramento, California 94279

Document No. 11303031

Attention: Vince Paul

Regarding: Limited Fungal Growth Exposure Assessment Survey
15350 Sherman Way, Van Nuys, California - 2nd Floor

Dear Mr. Paul:

On March 27, 2013, Wesley B. Frey, Industrial Hygienist, with Hygiene Technologies International, Inc. (HygieneTech), visited the second floor of the property located at the above-referenced address for the purpose of conducting a limited fungal growth exposure assessment survey. Prior to the survey, HygieneTech was informed that fungal growth had been discovered on the 1st Floor of the subject building, which is occupied by the State of California Franchise Tax Board. The survey findings, along with the conclusions, recommendations, and a discussion of the analytical data and recently recorded observations, appear below.

The interior building materials of the 2nd Floor included, but were not limited to, metal window frames; painted gypsum board and/or metal windowsills; metal doorjambes and door frames; painted gypsum board walls; suspended 2' by 4' ceiling tiles and or gypsum board ceilings; ceramic or vinyl tile flooring in the restrooms and file room; and carpet flooring in the general work areas.

The floor was occupied on the survey date and was furnished with typical office desks, upholstered chairs, shelves, fabric covered cubicles, and other general office items. Numerous ceiling tile stains were observed throughout the floor that were not related to the reported 1st Floor issues (Photos 2 through 6). Additionally, numerous liquid stains were observed on carpet flooring and on some of the cubicle partitions throughout the space; however, those stains appeared to be related to beverage and/or food spills and not building associated water intrusion (Photo 7). Janitorial conditions including, but not limited to, visible accumulations of settled dust, debris, and other organic particulate materials, particularly along the walls behind cubicle partitions, were indicative of an environment with the potential to promote fungal growth.

At the time of the survey, air samples were collected for total (viable and nonviable) fungi analyses using a Zefon brand Bio-Pump™ equipped with Zefon Air-O-Cell™ cassettes. All such samples were subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical



Testing Program. The airborne fungi assessment analytical data with supporting and background information appear in the enclosed Table 11303031-1.

As presented in the table, the airborne spore count data showed common spore types outdoors, such as basidiospores, *Cladosporium*, and colorless spores typical of *Penicillium* and *Aspergillus* species. In the 2nd Floor interior areas, the data showed airborne concentrations of common fungal spores within normal and expected ranges that were considered unremarkable. These data do not represent conditions that are expected to pose a health hazard to occupants above that posed by the outside environment where exposures to airborne fungi are known to exist.

Be advised that the data provided with this correspondence only represent fungal growth and exposure potentials that existed at the time the survey was performed and at the precise locations only, the latter of which were selected based on the available background information provided, and that fungal growth and exposure potentials may change due to changes in environmental conditions, such as those caused by water intrusion, use of mechanical systems, or other factors. Also be advised that, while no evidence of fungal growth was seen at the time of the survey, fungal growth may exist at one or more locations in the structure that were not accessible or not specifically assessed during the survey.

The exposure data recorded during this survey may not be sufficiently broad to adequately assess the suitability of the indoor air quality for all individuals, particularly those who are extremely sensitive to certain chemical and/or biological substances or for those individuals with immune system deficiencies. Although not expected, if persons entering the surveyed areas do experience non-specific ill effects, such as eye irritation, allergy symptoms, headache, or skin rash, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If additional information becomes available, then further assessment may be warranted.

If you have any comments or questions regarding the information contained in this correspondence, please feel free to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 11303031-1
AIRBORNE TOTAL FUNGI RESULTS
15350 SHERMAN WAY
VAN NUYS, CALIFORNIA
MARCH 27, 2013

Page 1

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	11303031-TM01	11303031-TM02	11303031-TM03	11303031-TM04
SAMPLING LOCATION/ACTIVITIES	Cashier Room; about center; approximately five feet above floor/Normal office activities	Northwestern hallway; northwest of Cashier Room; approximately five feet above floor/Normal office activities	Northeastern cubicle area; adjacent to Cubicle WS025; approximately five feet above floor/Normal office activities	Eastern cubicle area; adjacent to Cubicle WS038; approximately five feet above floor/Normal office activities
START/STOP	10:40:00/10:45:00	10:48:00/10:53:00	10:56:00/11:01:00	11:04:00/11:09:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores	13			
Aureobasidium				
Basidiospores			53	53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	160	110	53
Curvularia				
Epicoccum				
Fusarium				
Oidium				
Other brown				
Other colorless				
Penicillium/Aspergillus types		53	53	
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Trichocladium				
Ulocladium				
Zygomycetes				
Background Particulate*	2+	2+	2+	2+
TOTAL**	67	210	210	110

*Background Particulate is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

**Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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Sacramento, California 94279

TABLE 11303031-1
AIRBORNE TOTAL FUNGI RESULTS
15350 SHERMAN WAY
VAN NUYS, CALIFORNIA
MARCH 27, 2013

Page 2

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	11303031-TM05	11303031-TM06	11303031-TM07	11303031-TM08
SAMPLING LOCATION/ACTIVITIES	Southeastern cubicle area; adjacent to Cubicle WS034; approximately five feet above floor/Normal office activities	Central office area; adjacent to Room 237; approximately five feet above floor/Normal office activities	Southern cubicle area; adjacent to Cubicle WS083A; approximately five feet above floor/Normal office activities	File Room; about center; approximately five feet above floor/Normal office activities
START/STOP	11:14:00/11:19:00	11:22:00/11:27:00	11:30:00/11:35:00	11:40:00/11:45:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores			13	
Aureobasidium				
Basidiospores		53	13	53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		53	110	
Curvularia				
Epicoccum				
Fusarium				
Oidium				
Other brown				13
Other colorless				
Penicillium/Aspergillus types	53			53
Rusts				
Smuts (Periconia, Myxomycetes)				13
Stachybotrys				
Stemphylium				
Torula				
Trichocladium				
Ulocladium				
Zygomycetes				
Background Particulate*	2+	2+	2+	2+
TOTAL**	53	110	130	130

*Background Particulate is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

**Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

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TABLE 11303031-1
AIRBORNE TOTAL FUNGI RESULTS
15350 SHERMAN WAY
VAN NUYS, CALIFORNIA
MARCH 27, 2013

Page 3

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	11303031-TM09OUT			
SAMPLING LOCATION/ACTIVITIES	Outside; about 50 feet south of building; approximately five feet above ground/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank	This column intentionally left blank
START/STOP	12:01:00/12:06:00			
SAMPLE TIME	5 minutes			
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	53			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			
Curvularia				
Epicoccum				
Fusarium				
Oidium				
Other brown				
Other colorless				
Penicillium/Aspergillus types	53			
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Trichocladium				
Ulocladium				
Zygomycetes				
Background Particulate*	2+			
TOTAL**	160			

*Background Particulate is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

**Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

1



Date	Address	Photo Location – Description	Up
3/27/13	15350 Sherman Way Van Nuys, California	Outdoors; looking northeast; general view of building	↑

2



Date	Address	Photo Location – Description	Up
3/27/13	15350 Sherman Way Van Nuys, California	2 nd Floor; Room 207; looking up; view ceiling; showing stained ceiling tile	↑

3



Date	Address	Photo Location – Description	Up
3/27/13	15350 Sherman Way Van Nuys, California	2 nd Floor; northwestern hallway; adjacent to column; looking up; view of ceiling; showing stained ceiling tile	↑

4



Date	Address	Photo Location – Description	Up
3/27/13	15350 Sherman Way Van Nuys, California	2 nd Floor; northeastern cubicle area; looking north and up; view of ceiling at column; showing stained ceiling tile	↑

5



Date	Address	Photo Location – Description	Up
3/27/13	15350 Sherman Way Van Nuys, California	2 nd Floor; eastern cubicle area; looking up and east; view of ceiling; showing stained ceiling tile	↑

6



Date	Address	Photo Location – Description	Up
3/27/13	15350 Sherman Way Van Nuys, California	File Room; looking up; view of ceiling; showing stained ceiling tile	↑

7



Date	Address	Photo Location – Description	Up
3/27/13	15350 Sherman Way Van Nuys, California	Central office area; hallway between offices and cubicles; looking down and southeast; view of carpet and cubicle partition; showing staining	↑



Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Southern California
3625 Del Amo Blvd
Suite 180
Torrance, CA 90503

Regarding: Project: 11303031
EML ID: 1043695

Approved by:

Dates of Analysis:
Spore trap analysis: 03-29-2013

Miguel Constantino Ines

Technical Manager
Miguel Ines

Service SOPs: Spore trap analysis (1038 (previously I100000 and I100007))
AIHA-LAP, LLC accredited service, Lab ID #178697

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 items tested.

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.

Client: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	11303031-TM01			11303031-TM02		
Comments (see below)	None			None		
Lab ID-Version‡:	4688803-1			4688804-1		
Analysis Date:	03/29/2013			03/29/2013		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Ascospores	1	100	13			
Basidiospores						
Chaetomium						
Cladosporium	1	25	53	3	25	160
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†				1	25	53
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+			2+		
Hyphal fragments/m3	13			13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	< 1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			67			210

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

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

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

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

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.

Client: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	11303031-TM03			11303031-TM04		
Comments (see below)	None			None		
Lab ID-Version‡:	4688805-1			4688806-1		
Analysis Date:	03/29/2013			03/29/2013		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Ascospores						
Basidiospores	1	25	53	1	25	53
Chaetomium						
Cladosporium	2	25	110	1	25	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†	1	25	53			
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+			2+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			210			110

Comments:

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 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	11303031-TM05			11303031-TM06		
Comments (see below)	None			None		
Lab ID-Version‡:	4688807-1			4688808-1		
Analysis Date:	03/29/2013			03/29/2013		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Ascospores						
Basidiospores				1	25	53
Chaetomium						
Cladosporium				1	25	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†	1	25	53			
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+			2+		
Hyphal fragments/m3	13			13		
Pollen/m3	27			13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			53			110

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† 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.

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Client: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	11303031-TM07			11303031-TM08		
Comments (see below)	None			None		
Lab ID-Version‡:	4688809-1			4688810-1		
Analysis Date:	03/29/2013			03/29/2013		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Ascospores	1	100	13			
Basidiospores	1	100	13	1	25	53
Chaetomium						
Cladosporium	2	25	110			
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown				1	100	13
Other colorless						
Penicillium/Aspergillus types†				1	25	53
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes				1	100	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+			2+		
Hyphal fragments/m3	13			13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			130			130

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† 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.

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 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	11303031-TM09OUT		
Comments (see below)	None		
Lab ID-Version‡:	4688811-1		
Analysis Date:	03/29/2013		
	raw ct.	% read	spores/m3
Ascospores			
Basidiospores	1	25	53
Chaetomium			
Cladosporium	1	25	53
Curvularia			
Epicoccum			
Fusarium			
Myrothecium			
Nigrospora			
Other brown			
Other colorless			
Penicillium/Aspergillus types†	1	25	53
Pithomyces			
Rusts			
Smuts, Periconia, Myxomycetes			
Stachybotrys			
Stemphylium			
Torula			
Ulocladium			
Zygomycetes			
Background debris (1-4+)††	2+		
Hyphal fragments/m3	< 13		
Pollen/m3	53		
Skin cells (1-4+)	< 1+		
Sample volume (liters)	75		
§ TOTAL SPORES/m3			160

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
 † 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: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 11303031-TM09OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: March in California (n‡=18776)†						Typical Outdoor Data for: The entire year in California (n‡=18814)†						
		spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*														
Alternaria	-	13	13	27	53	82	46	13	13	27	67	110	54	
Bipolaris/Drechslera group	-	7	13	13	27	40	8	7	13	13	27	40	12	
Chaetomium	-	7	13	13	27	40	11	8	13	13	27	47	19	
Cladosporium	53	80	160	400	1,100	1,700	95	110	210	630	1,700	2,800	97	
Curvularia	-	7	13	13	27	40	2	7	13	13	27	53	6	
Nigrospora	-	7	10	13	13	27	4	7	13	13	27	53	8	
Other brown	-	13	13	13	27	53	30	13	13	13	40	53	34	
Penicillium/Aspergillus types	53	53	53	160	430	690	80	53	100	210	590	1,000	85	
Stachybotrys	-	7	13	13	27	59	3	7	13	13	33	67	4	
Torula	-	8	13	13	40	67	8	8	13	13	40	67	12	
Seldom found growing indoors**														
Ascospores	-	27	53	160	480	830	79	25	53	110	360	690	71	
Basidiospores	53	67	130	450	1,500	2,800	96	53	80	270	1,000	2,400	93	
Rusts	-	13	13	13	40	80	23	13	13	13	53	80	27	
Smuts, Periconia, Myxomycetes	-	13	13	27	67	110	54	13	13	40	110	200	68	
§ TOTAL SPORES/m3	160													

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

Client: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 11303031-TM09OUT

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

Location: 11303031-TM01

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					ND	< 13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium	█				1	53
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					ND	< 13
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores	█				1	13
Basidiospores					ND	< 13
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					ND	< 13
Total						67

MoldSCORE‡			Score
100	200	300	
█			100
█			100
█			100
█			103
█			100
█			100
█			100
█			100
█			100
█			105
█			100
█			100
█			100
█			100
Final MoldSCORE			103

Client: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

MoldSCORE™: Spore Trap Report

Location: 11303031-TM02

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				3	160	█			110
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			108
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						213	Final MoldSCORE 110			

Location: 11303031-TM03

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			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	110	█			107
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			108
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores	█				1	53	█			105
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						213	Final MoldSCORE 108			

Client: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

MoldSCORE™: Spore Trap Report

Location: 11303031-TM04

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			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	█			103
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores	█				1	53	█			105
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						107				Final MoldSCORE 105

Location: 11303031-TM05

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			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†	█				1	53	█			108
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						53				Final MoldSCORE 108

Client: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

MoldSCORE™: Spore Trap Report

Location: 11303031-TM06

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			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	█			103
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores	█				1	53	█			105
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						107	Final MoldSCORE 105			

Location: 11303031-TM07

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			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	110	█			107
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores	█				1	13	█			105
Basidiospores	█				1	13	█			101
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						133	Final MoldSCORE 107			

Client: Hygiene Technologies International, Inc.:
 Southern California
 C/O: Mr. Wes Frey
 Re: 11303031

Date of Sampling: 03-27-2013
 Date of Receipt: 03-28-2013
 Date of Report: 03-29-2013

MoldSCORE™: Spore Trap Report

Location: 11303031-TM08

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			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
Other brown	█				1	13	█			105
Penicillium/Aspergillus types†	█				1	53	█			108
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores	█				1	53	█			105
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes	█				1	13	█			103
Total						133				Final MoldSCORE 108

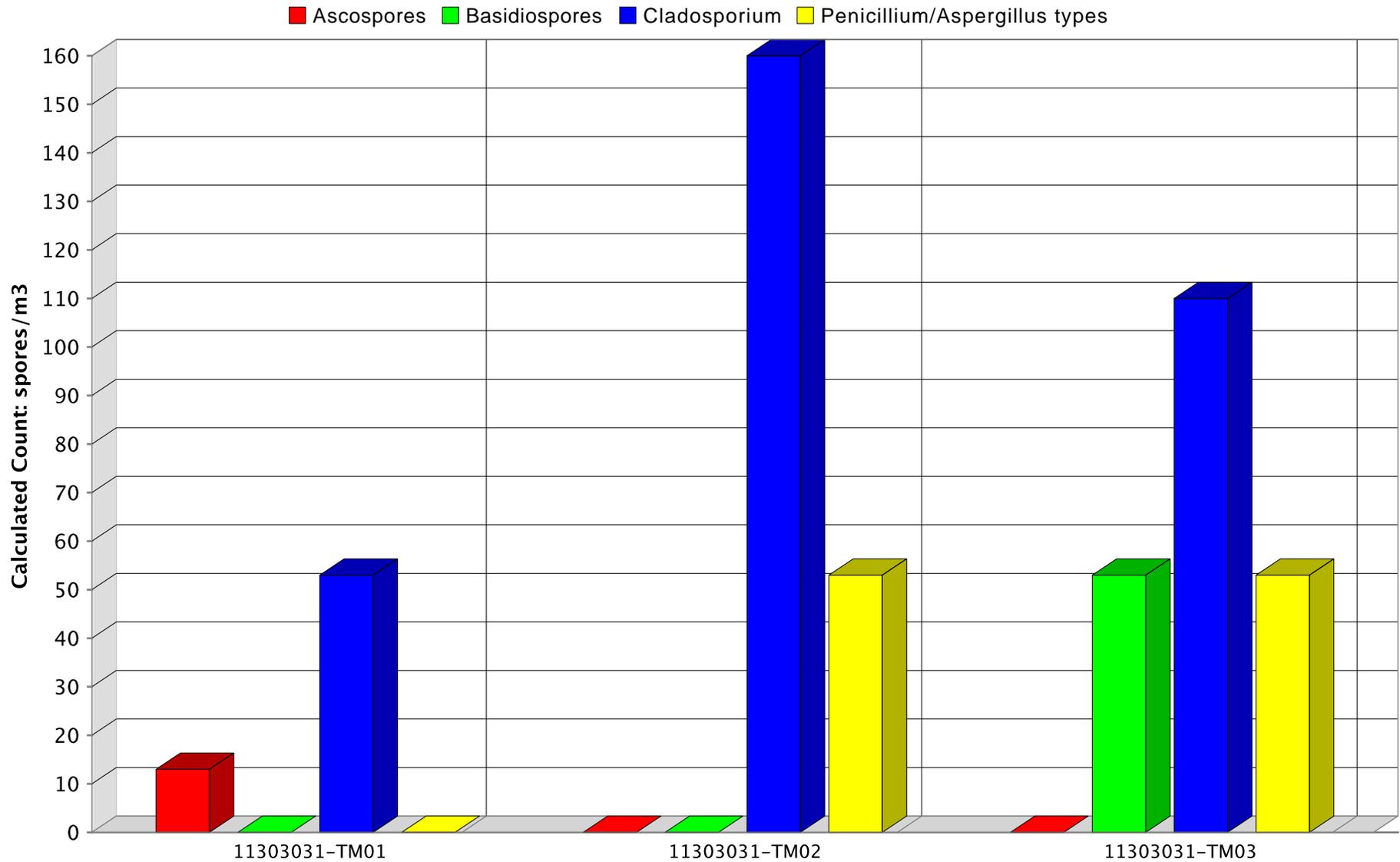
*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is 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.

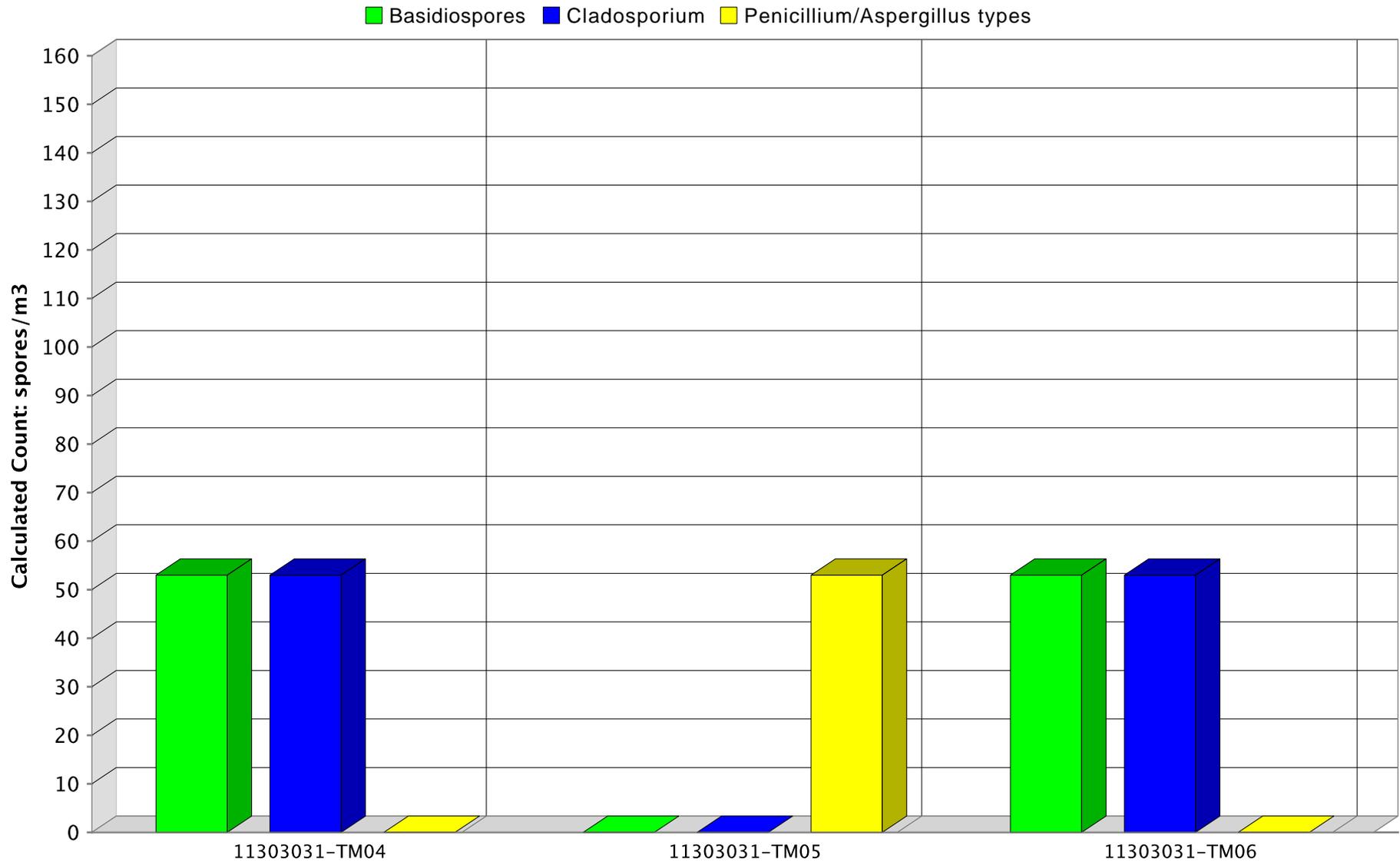
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

Note: Graphical output may understate the importance of certain "marker" genera.
EMLab P&K, LLC

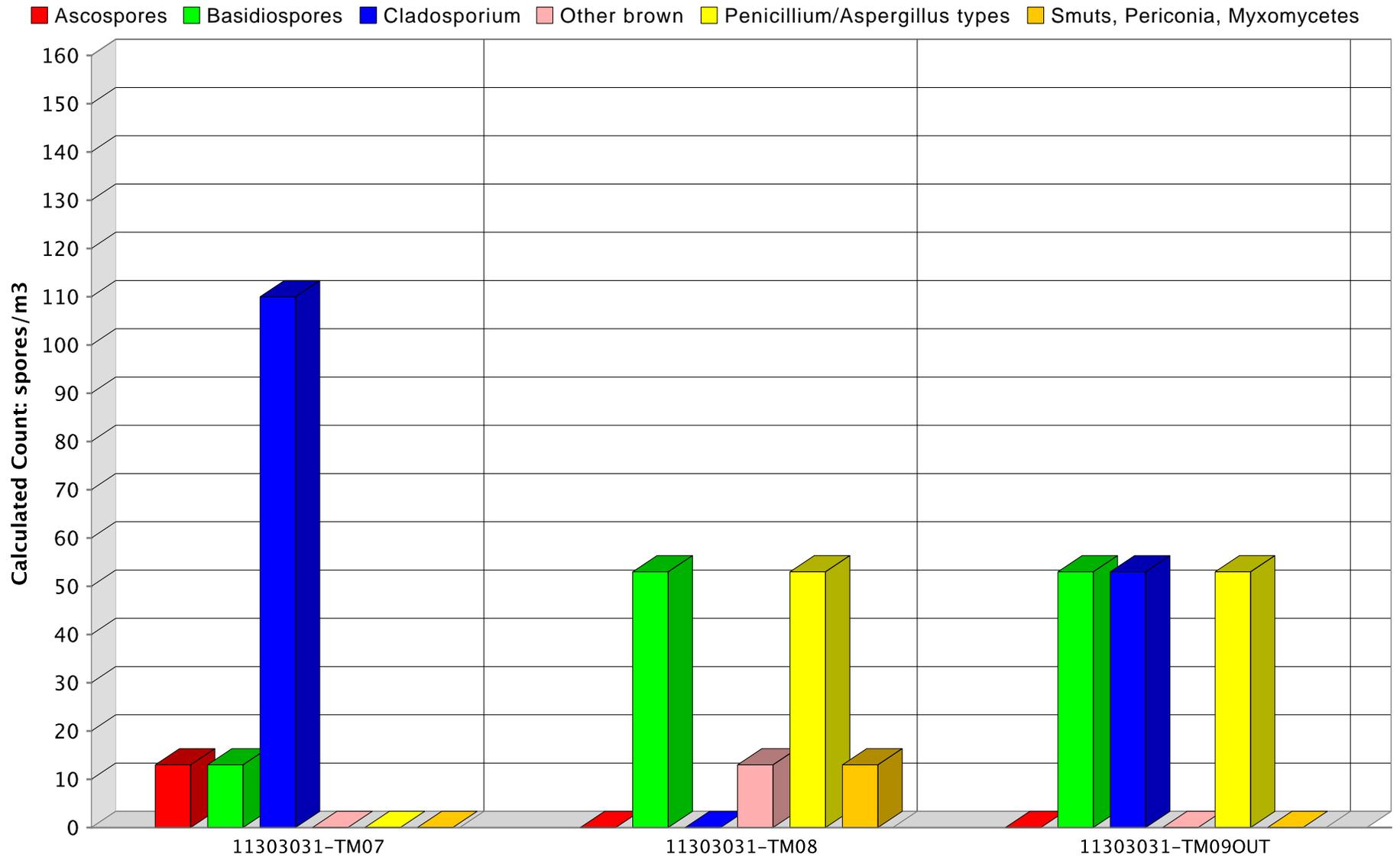
SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

Note: Graphical output may understate the importance of certain "marker" genera.
EMLab P&K, LLC

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

Note: Graphical output may understate the importance of certain "marker" genera.
EMLab P&K, LLC



Request For Analysis

Project Number/Purchase Order: 11303031 Date Submitted: 3
 Project Contact: Wes Frey Turnaround Required: 5 days
 Lab Destination: Emlab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
11303031-TM01	75L	airball	Total Fungi I.D
11303031-TM02			
11303031-TM03			
11303031-TM04			
11303031-TM05			
11303031-TM06			
11303031-TM07			
11303031-TM08			
11303031-TM09			

Special Instructions: _____

1. Sampled by: [Signature] 11303031 3-27-13 1200 Received by: [Signature] 03-27
 2. Relinquished by: _____ Received by: _____
 3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only: