



HYGIENETECH

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June 20, 2008

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

Document No. 20803001.1 Revised

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
5TH Floor

Dear Mr. Gau:

On various dates in March and April of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 5TH Floor of the California State Board of Equalization building located at the above mentioned address. At the time of the survey, various samples were collected and direct-reading instruments were used to assess the general indoor air quality on that floor, with a clear emphasis on establishing fungal growth exposure potential data. I have enclosed our report, which included general observations, sample and direct-reading results, a discussion of the data, conclusions, and recommendations.

If you have any comments or questions regarding the information contained in this report, please do not hesitate to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Brian P. Daly, CIH, PE
President



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LIMITED INDOOR AIR QUALITY SURVEY

**450 N STREET – 5TH FLOOR
SACRAMENTO, CALIFORNIA**

PREPARED FOR:

**CALIFORNIA STATE BOARD OF EQUALIZATION
450 N STREET
SACRAMENTO, CALIFORNIA**

PREPARED BY:

**HYGIENE TECHNOLOGIES INTERNATIONAL, INC.
3625 DEL AMO BOULEVARD, SUITE 180
TORRANCE, CALIFORNIA**

JUNE 20, 2008



1.0 BACKGROUND

On various dates in March and April of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 5TH Floor of the California State Board of Equalization Building located at 450 N Street in Sacramento, California. During the survey, a variety of samples were collected and direct-reading instruments were used to assess the general indoor air quality on the 5TH Floor of the subject building. Various air and surface samples were collected in order to assess fungal growth exposure potentials and to establish fungal growth assessment information on selected building material surfaces. In addition, air samples were collected throughout the floor for fibrous dust, microbial volatile organic compounds (MVOCs), and total dust analysis and direct-reading instruments were used to determine airborne volatile organic compounds (VOCs), carbon dioxide (CO₂), ozone (O₃), air temperature, and relative humidity.

2.0 OBSERVATIONS

The interior building materials of the 5TH Floor included, but were not limited to, metal window frames; painted gypsum board and/or metal window sills; metal doorjambes and door frames; painted gypsum board walls in the general work areas; tile covered walls and painted gypsum board ceilings in the restrooms; suspended 2' by 4' ceiling tiles in the general work areas; vinyl cove base; carpet flooring in the general work areas; and ceramic or vinyl tile flooring in the restrooms and break rooms.

The furnishings in the surveyed areas included desks, upholstered chairs, shelves, fabric covered cubicles, office supplies, computers, and other electronic office equipment. The furnishings did not appear to support fungal growth, nor did they appear to have been affected in any other manner by water intrusion.

3.0 SAMPLING AND ANALYSIS

Air samples were collected and subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at laboratories accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. Other samples were collected for airborne fibers, MVOCs, and total dust determinations using SKC[®] brand Airchek[®] 52 sampling pumps and the appropriate sampling media. Pump flow rates were established and verified using a BIOS DryCal DC-Lite primary flow meter. Those samples were collected and analyzed along with blanks (identical sampling media through which no air was drawn), when necessary, at laboratories accredited by the American Industrial Hygiene Association (AIHA) through successful participation in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing Program. Direct-reading instruments were used to determine airborne O₃, and VOC levels, the results of which appear in Table 20803001-109 in Appendix A of this report. A discussion of the airborne CO₂ data, along with air temperature and relative humidity results, appears in Section 4.0 of this report. Additional information concerning the specific sampling and analytical methods appears below.



3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.1 Airborne Total Fungi

Air samples for airborne total (viable and nonviable) fungi determinations were collected using a Zefon brand Bio-Pump™ equipped with Allergenco-D™ cassettes. All such samples were collected at various indoor locations and two samples were collected outdoors on the applicable survey date for comparison purposes. The resultant data, which are presented in spores per cubic meter of air (spores/M³), appear in Table 20803001-103.

3.2 Airborne Viable Fungi

Air samples for airborne viable fungi determinations were collected on malt extract agar (MEA) using a Gast brand high volume air-sampling pump equipped with an Aerotech 6™ Single Stage Bioaerosol Sampler. Two outdoor samples were also collected on the applicable survey date for comparison purposes. The media was incubated prior to enumeration of colony-forming units per agar plate and the resultant data, presented in colony forming units per cubic meter of air (CFU/ M³), can be found in Table 20803001-104.

3.3 Surface Fungal Growth Potentials

Surface samples were collected for fungal growth assessment using BioTape® slides. Additionally, surface fungi samples were collected from various heating, ventilating, and air conditioning (HVAC) supply air register surfaces using Healthlink® Transporters™ (Rayon tipped swabs immersed in 0.5 ml modified Stuart's transport medium). These data are presented in Table 20803001-105.

3.4 Airborne Fibrous Dust

Area air samples for fibrous dust were collected at stationary locations on 25-millimeter diameter, 0.8-micrometer pore size, mixed cellulose ester filters. The samples were analyzed by phase contrast microscopy (PCM) in accordance with the NIOSH Method 7400. These data are presented in fibers per cubic centimeter (f/cc) of air in Table 20803001-106.

3.5 Airborne Total Dust

Area air samples for total dust determination were collected at stationary locations on filter cassettes containing pre-weighed 37-millimeter diameter, polyvinyl chloride filters having a pore size of five micrometers. The samples were analyzed by gravimetric method in accordance with the NIOSH Method 0500. These data are presented in milligrams per cubic meter of air (mg/M³) and appear in Table 20803001-107.

3.6 Microbial Volatile Organic Compounds

Area samples for MVOCs were collected on solid sorbent tubes equipped with Sagelock fittings. The samples were analyzed by gas chromatography/mass spectrometry, modified for MVOCs following the AIHA field guide. These data are presented in mg/M³ and appear in Table 20803001-108.



3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.7 Airborne Volatile Organic Compounds

Direct-reading air measurements for VOCs were also recorded at various locations on the 5TH floor using a RAE Systems, Inc. Mini-RAE 2000 photoionization detector, which is capable of detecting a wide variety of unsaturated hydrocarbons at airborne concentrations ranging from 0.1 to 10,000 parts per million (ppm). Prior to the survey, this instrument was calibrated using a 100-ppm isobutylene gas standard. These data are presented in parts per million (ppm).

3.8 Airborne Ozone

Direct-reading air measurements for O₃ were recorded at various locations using a Dräger colorimetric detector tube apparatus with the appropriate detector tubes. The data are presented in ppm.

3.9 Airborne Carbon Dioxide

Direct-reading air measurements for airborne CO₂ concentrations were recorded at a stationary location using a Telaire[®]7001 Carbon Dioxide and Temperature Monitor along with the HOBO[®] data logger. The data are presented in ppm.

3.10 Air Temperature and Relative Humidity

Air temperature and relative humidity data were recorded at three stationary locations using a Telaire[®]7001 Carbon Dioxide and Temperature Monitor along with the HOBO[®] data logger.

4.0 DISCUSSION

4.1 Airborne Total Fungi

The airborne total fungi data showed common spore types outdoors, such as *Alternaria*, ascospores, basidiospores, *Botrytis*, *Chaetomium*, *Cladosporium*, *Nigrospora*, *Oidium*, colorless spores typical of *Penicillium* and *Aspergillus* species, rust, and/or smuts, with either *Cladosporium* or colorless spores typical of *Penicillium* and *Aspergillus* species predominating in the respective samples. Indoors, the data showed low airborne concentrations of common fungal spores that included one or more of the following: *Alternaria*, ascospores, basidiospores, *Botrytis*, *Chaetomium*, *Cladosporium*, *Oidium*, colorless spores typical of *Penicillium* and *Aspergillus* species, other brown, rust, and/or smuts. Indoors, the distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall data recorded outdoors. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.



4.0 DISCUSSION (CONTINUED)

4.2 Airborne Viable Fungi

The viable fungi data recorded outdoors showed overall levels of 813 and 530 CFU/M³ in the two outdoor samples collected, with *Cladosporium* predominating in both. Indoors, low levels of common fungi were found including *Aspergillus niger*, *A. versicolor*, *Aureobasidium*, *Cladosporium*, non-sporulating fungi, *Penicillium*, and/or yeasts. Again, the data recorded were unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

4.3 Surface Fungal Growth Potentials

On the March 18 and March 19, 2008 survey dates, the surface assessment data involving the samples collected from various cubicle partitions, office furniture, and HVAC supply air registers throughout the 5TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores with only one exception. The only exception was the sample collected from the Cubicle 28 northern cubicle partition, which showed very few loose *Stachybotrys* spores detected. The “very few” designation indicates the presence of one to two spores of a particular mold type. Upon receipt and review of this datum, additional surface samples from Cubicle 28 were collected on March 26, 2008. All subsequent surface data showed no evidence of fungal growth or above-background levels of loose fungal spores on the surfaces tested. Therefore, the loose *Stachybotrys* spores detected on March 18 was likely an anomaly and the collective surface data recorded were unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to surface fungi are expected.

4.4 Airborne Fibrous Dust

The airborne fibrous dust data recorded in the surveyed areas indicated that airborne fibrous dust was not detected at or above the laboratory detection limit of 0.004 f/cc. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data, which are expected to represent employee *exposure potentials* to fibers of various types, including man-made and natural mineral fibers, cellulose (paper or wood composition), gypsum, and other fibrous dusts common in the environment, are well below the current Cal-OSHA 8-hour TWA PEL for asbestos fibers of 0.1 f/cc, the most restrictive exposure limit for fibrous dusts.

4.5 Airborne Total Dust

Common dust that is typically identified in buildings usually contains a wide variety of materials including, but not limited to, gypsum crystals, cellulosic particles, fiberglass fragments, mineral grains from soil, fungi spores, fine glass fibers, textile and wood fibers, iron or steel fragments, dead skin cells, insect parts, animal dander, and pollens. Generally, exposure to low levels of such materials does not produce ill effects in most persons. In fact, these so-called *nuisance dusts* have a long history of little adverse effect to the lungs and are not known to produce significant diseases or toxic effects, such as collagen (scar tissue) formation, when exposure are kept under reasonable control.



4.0 DISCUSSION (CONTINUED)

4.5 Airborne Total Dust (Continued)

The data recorded in the surveyed areas showed that airborne total dust was not detected at or above the respective laboratory analytical detection limits of 0.13 or 0.14 mg/M³. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data are well below the State of California, Department of Industrial Relations, Division of Occupational Safety and Health (Cal-OSHA) 8-hour time-weighted average (TWA) permissible exposure limit (PEL) for total dust of 10 mg/M³, as defined in Title 8 of the California Code of Regulations, Section 5155 (T8, CCR § 5155). Note that these data are also well below the American Conference of Governmental Industrial Hygienists 8-hour TWA threshold limit value (TLV-TWA) for particulate (not otherwise classified) of 10 mg/M³; the U.S. Environmental Protection Agency (EPA) National Ambient Air Quality Primary Standard of 0.26 mg/M³ (24-hour standard); and the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE) theoretical value for non-occupational environments of 1/10 of the TLV.

4.6 Airborne Microbial Volatile Organic Compounds

Microbial Volatile Organic Compounds (MVOCs) are composed of low molecular weight alcohols, aldehydes, amines, ketones, terpenes, aromatic and chlorinated hydrocarbons, and sulfur-based compounds that are known to be byproducts of microbial metabolism. MVOCs have a very low odor threshold, thus, making them easily detectable by smell. They often have strong odors and are responsible for the smells generally associated with fungal growth.

The airborne MVOC data indicated the presence of 1-butanol at levels ranging from 310 ng/m³ to 467 ng/m³; 2-hexanone at levels ranging from 41 ng/m³ to 145 ng/m³; and 2-heptanone at levels ranging from 96 ng/m³ to 196 ng/m³. Microbial growth related 1-butanol, 2-hexanone, and 2-heptanone would not be expected to be present indoors without additional MVOCs such as ethanol, 1-octen-3-ol, 2-octen-1-ol, benzyl cyanide, 2-methyl-isoborneol, geosmin (1-10-dimethyl-*trans*-9-decalol), and/or terpenes also being present. The fact that 1-butanol, 2-heptanone, and 2-heptanone were detected at low levels without the other above mentioned MVOCs would indicate that its presence on the 5TH Floor was most likely not fungal growth related and attributable to common office products and/or personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.

4.7 Airborne Volatile Organic Compounds

With the use of a direct-reading photoionization detector, VOCs were not detected at or above the instrument detection limit of 0.1 ppm. Because these data were recorded at stationary locations at approximate breathing zone height, the results are expected to represent building occupant *exposure potentials* for those persons occupying or passing through the areas monitored. These data were well below the surrogate Cal-OSHA PELs that are often used for comparative purposes regarding VOC exposures, such as those for gasoline, hexane, and varnish makers and painters (VM&P) naphtha.



4.0 DISCUSSION (CONTINUED)

4.8 Airborne Ozone

O₃ was not detected at or above the Dräger instrument detection limits of 0.05 ppm.

4.9 Airborne Carbon Dioxide

The direct-reading results indicated that CO₂ was detected at levels ranging from 513 to 659 ppm on the 5TH Floor. While these data were somewhat higher than the expected outdoor CO₂ levels, which generally range between 320 and 350 ppm, they are considered normal for occupied indoor environments and they are all well below the Cal-OSHA 8-hour TWA PEL for CO₂ of 5000 ppm (T8, CCR, § 5155). They are also below the level of 1000 ppm, which is essentially equivalent to the recommended upper limit for building occupant comfort and odor control established by ASHRAE (not greater than 700 ppm above the outdoor CO₂ value) as stated in ASHRAE 62-2001.

Based on historic studies performed by HygieneTech, building occupant complaints of "stuffy" air often begin when CO₂ levels exceed 800 ppm. HygieneTech has also found that some sensitive persons may experience discomfort, including eye irritation and headache, when CO₂ levels reach 1,000 ppm. Such symptoms are not believed to be the result of an unhealthful exposure to CO₂; rather, they are thought to be the result of exposure to other common indoor air pollutants which, if not exhausted and/or diluted, can accumulate over time.

4.10 Air Temperature and Relative Humidity

Air temperatures ranged between 73.8 and 75.2 degrees Fahrenheit (°F) on the survey date. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were generally higher than the comfort range recommended for the winter months.

Relative humidity data were recorded indoors at levels ranging from 24.2 to 25.5 percent. Such levels were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.0 CONCLUSIONS

5.1 The airborne total and viable fungi data recorded in the surveyed areas showed airborne fungi levels that were generally below those recorded outdoors and therefore considered unremarkable. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

5.2 The surface fungal growth potentials data collected throughout the 5TH Floor indicated the presence of very few (one to two) loose *Stachybotrys* spores in one sample datum from Cubicle 28; however, subsequently surface sampling from the same cubicle indicated that particular datum was likely an anomaly and that the collective surface data recorded were unremarkable



5.0 CONCLUSIONS (CONTINUED)

and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to surface fungi are expected..

- 5.3 The airborne total and fibrous dust, VOC, and O₃ recorded during the survey were unremarkable. Collectively, the data were well below applicable Cal-OSHA 8-hour TWA PELs and/or other occupational, non-occupational, ASHRAE, or foreign guidelines. The data are not expected to represent conditions that pose a measurable health risk to the building occupants.
- 5.4 The airborne MVOC data indicated the presence of 1-butanol at levels ranging from 310 ng/m³ to 467 ng/m³; 2-hexanone at levels ranging from 41 ng/m³ to 145 ng/m³; and 2-heptanone at levels ranging from 96 ng/m³ to 196 ng/m³. Microbial growth related 1-butanol, 2-hexanone, and 2-heptanone would not be expected to be present indoors without additional MVOCs such as ethanol, 1-octen-3-ol, 2-octen-1-ol, benzyl cyanide, 2-methyl-isoborneol, geosmin (1-10-dimethyl-*trans*-9-decalol), and/or terpenes also being present. The fact that 1-butanol, 2-heptanone, and 2-heptanone were detected at low levels without the other above mentioned MVOCs would indicate that its presence on the 5TH Floor was most likely not fungal growth related and attributable to common office products and/or personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.
- 5.5 Air temperatures ranged between 73.8 and 75.2 degrees Fahrenheit (°F) on the survey date. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were generally higher than the comfort range recommended for the winter months. Relative humidity data were recorded indoors at levels ranging from 24.2 to 25.5 percent, levels that were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.
- 5.5 Be advised that the data provided in this report only represent fungal growth and exposure potentials that existed at the time the survey was performed and at the precise sample locations only, the latter of which were selected based on the available background information provided. Note 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 additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the survey.

6.0 RECOMMENDATIONS

All such recommendations are based strictly on the assessment information and analytical data that were available to HygieneTech at the time this report was prepared. Be advised that, in order to establish data that accurately reflects all the fungal growth sites on the 5TH Floor, additional assessment evaluations may



6.0 RECOMMENDATIONS (CONTINUED)

be required as more information is known regarding the history of water intrusion episodes in discrete building areas.

- 6.1 If not yet established, an accurate record of all air monitoring results should be maintained in accordance with Cal-OSHA regulation found in T8, CCR § 3204. All affected employees should be informed that the *exposure potential* data in this report exist and that those persons, or their representatives, have a right to access relevant exposure data and medical records.
- 6.2 Air temperatures levels on the 5TH Floor should be adjusted to the appropriate ranges recommended by ASHRAE for occupant comfort.
- 6.3 Also be advised that the exposure data recorded during the 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 occupying or passing through the 5TH Floor do experience non-specific ill effects of unknown etiology, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If more information becomes available, further investigation and air monitoring may be warranted.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.



Kenny K. Hsi, CIH
Technical Director

Date: June 20, 2008



Brian P. Daly, CIH, PE
President

Date: June 20, 2008

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-103
AIRBORNE TOTAL FUNGI RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 20 AND 21, 2008

Page 1

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

SAMPLE NUMBER	20803001-TM17CCJL	20803001-TM18CCJL	20803001-TM19CCJL	20803001-TM20CCJL
SAMPLING LOCATION/ACTIVITIES	Room 519; Column K21 area; ceiling; about two feet east of Cubicle 65-03; within ceiling plenum/ Sampling activities only	Room 520; Cubicle 520-05; ceiling; within ceiling plenum/Sampling activities only	Room 515; ceiling; about center; within ceiling plenum/ Sampling activities only	Room 512; Cubicle 2.01; ceiling; within ceiling plenum/ Sampling activities
DATE	03-20-08	03-20-08	03-20-08	03-20-08
START/STOP	14:26:00/14:31:00	14:38:00/14:43:00	14:51:00/14:56:00	15:03:00/15:08:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores		107		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	53		53
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Penicillium/Aspergillus types	107	53		107
Pithomyces				
Rusts		13		
Smuts (Periconia, Myxomycetes)		27		13
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	1+	2+	<1+	2+
TOTAL**	160	253	<13	173

Background debris 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+.

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5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 20 AND 21, 2008

Page 2

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

SAMPLE NUMBER	20803001-TM21CCJL	20803001-TM22CCJL	20803001-TM23CCJL	20803001-TM24CCJL
SAMPLING LOCATION/ACTIVITIES	Room 512; Column N18 area; Cubicle 27; ceiling; within ceiling plenum/Sampling activities only	Column N20 area; ceiling; about two feet east of Cubicle 70; within ceiling plenum/Sampling activities only	Column N22 area; Cubicle 90; ceiling; within ceiling plenum/Sampling activities only	Room 521; Cubicle 46; ceiling; within ceiling plenum/Sampling activities only
DATE	03-20-08	03-20-08	03-20-08	03-20-08
START/STOP	15:14:00/15:19:00	15:21:00/15:26:00	15:29:00/15:34:00	15:37:00/15:42:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores		53		
Aureobasidium				
Basidiospores	53	107	53	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium		13		13
Cladosporium	53	213	213	320
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				13
Penicillium/Aspergillus types			53	
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	27		13	
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	13	<13	53	<13
Background particulates*	2+	2+	3+	2+
TOTAL**	133	386	332	346

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SACRAMENTO, CALIFORNIA
MARCH 20 AND 21, 2008

Page 3

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

SAMPLE NUMBER	20803001-TM61OUTJL	20803001-TM62JL	20803001-TM63JL	20803001-TM64JL
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Room 519; Column K22 area; about four feet south of Cubicle 58; approximately five feet above floor/Normal office activities	Room 519; Column K22 area; about four feet east of Cubicle 53B; approximately five feet above floor/Normal office activities	Room 521; Column N22 area; Cubicle 46; about center; approximately five feet above floor/Normal office activities
DATE	03-21-08	03-21-08	03-21-08	03-21-08
START/STOP	9:41:00/9:46:00	9:57:00/10:02:00	10:03:00/10:08:00	10:14:00/10:19:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores	40			
Aureobasidium				
Basidiospores	67	27		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium	93			
Cladosporium	427			
Curvularia				
Epicoccum				
Nigrospora	27			
Oidium	13			
Penicillium/Aspergillus types	853	160	53	53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	40			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	27	27	13	<13
Background particulates*	3+	2+	2+	2+
TOTAL**	1,560	187	53	53

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TABLE 20803001-103
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5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 20 AND 21, 2008

Page 4

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

SAMPLE NUMBER	20803001-TM65JL	20803001-TM66JL	20803001-TM67JL	20803001-TM68JL
SAMPLING LOCATION/ACTIVITIES	Room 520; about center; approximately five feet above floor/Normal office activities	Room 512; Column L18 area; approximately four feet west of Cubicle 006; approximately five feet above floor/Normal office activities	Room 515; eastern end; approximately five feet above floor/Normal office activities	Room 515; western end; approximately five feet above floor/Normal office activities
DATE	03-21-08	03-21-08	03-21-08	03-21-08
START/STOP	10:25:00/10:30:00	10:35:00/10:40:00	10:41:00/10:46:00	10:51:00/10:56:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrimum				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		13		
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium		13		
Other brown				
Penicillium/Aspergillus types	107	13		53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	1+	2+
TOTAL**	107	39	<13	53

Background debris 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+.

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

TABLE 20803001-103
AIRBORNE TOTAL FUNGI RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 20 AND 21, 2008

Page 5

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

SAMPLE NUMBER	20803001-TM69JL	20803001-TM70JL	20803001-TM71JL	20803001-TM72JL
SAMPLING LOCATION/ACTIVITIES	Room 512; about three feet south of Cubicle 13; approximately five feet above floor/Normal office activities	Room 514A; about center; approximately five feet above floor/Normal office activities	Room 512; Column N18 area; about three feet north of Cubicle 18; approximately five feet above floor/Normal office activities	Room 512; Column N19 area; Cubicle 26; about center; approximately five feet above floor/Normal office activities
DATE	03-21-08	03-21-08	03-21-08	03-21-08
START/STOP	11:03:00/11:08:00	10:35:00/10:40:00	11:18:00/11:23:00	11:25:00/11:30:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores			13	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53	53	53	
Pithomyces				
Rusts		13		
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL **	53	66	66	<13

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-103
AIRBORNE TOTAL FUNGI RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 20 AND 21, 2008

Page 6

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

SAMPLE NUMBER	20803001-TM73JL	20803001-TM74JL	20803001-TM75JL	20803001-TM76JL
SAMPLING LOCATION/ACTIVITIES	Room 512; Column N19 area; about two feet south of Cubicle 41.01; approximately five feet above floor/Normal office activities	Room 512; Column N19 area; Cubicle 84; about center; approximately five feet above floor/Normal office activities	Room 512; Column N20 area; Cubicle 70; about center; approximately five feet above floor/Normal office activities	Room 512; Column N22 area; Cubicle 77; about center; approximately five feet above floor/Normal office activities
DATE	03-21-08	03-21-08	03-21-08	03-21-08
START/STOP	11:31:00/11:36:00	11:38:00/11:43:00	11:43:00/11:48:00	11:50:00/11:55:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Arthrinium				
Ascospores				13
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53		213	
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	13	53	53	107
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13	13	13	
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	27	<13	<13	27
Background particulates*	2+	2+	2+	2+
TOTAL **	92	66	279	120

Background debris 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+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-103
AIRBORNE TOTAL FUNGI RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 20 AND 21, 2008

Page 7

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

SAMPLE NUMBER	20803001-TM77JL	20803001-TM78OUTJL		
SAMPLING LOCATION/ACTIVITIES	Room 512; Column N21 area; about two feet south of Cubicle 88; approximately five feet above floor/Normal office activities	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
DATE	03-21-08	03-21-08		
START/STOP	11:56:00/12:01:00	12:05:00/12:10:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria		40		
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores		27		
Bipolaris/Drechslera group				
Botrytis	13	13		
Chaetomium				
Cladosporium	107	480		
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53	53		
Pithomyces				
Rusts		13		
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	13	40		
Background particulates*	2+	2+		
TOTAL **	173	626		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-104
AIRBORNE VIABLE FUNGI RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 21, 2008

Page 1

Results reported in colony forming units per cubic meter of air (CFU/M³)

SAMPLE NUMBER	20803001-VM21OUTJL	20803001-VM22JL	20803001-VM23JL	20803001-VM24JL
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Room 519; Column K22 area; about four feet south of Cubicle 58; approximately five feet above floor/Normal office activities	Room 521; Column N22 area; Cubicle 46; about center; approximately five feet above floor/Normal office activities	Room 520; about center; approximately five feet above floor/Normal office activities
START/STOP	9:42:00/9:44:00	9:59:00/10:01	10:15:00/10:17:00	10:27:00/10:29:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium	71			
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	389			
Curvularia				
Epicoccum				
Non-sporulating fungi	35			
Others				
Paecilomyces				
Penicillium	247		18	
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts	71		18	
TOTAL	813	<18	36	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-104
AIRBORNE VIABLE FUNGI RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 21, 2008

Page 2

Results reported in colony forming units per cubic meter of air (CFU/M³)

SAMPLE NUMBER	20803001-VM25JL	20803001-VM26JL	20803001-VM27JL	20803001-VM28JL
SAMPLING LOCATION/ACTIVITIES	Room 515; western end; approximately five feet above floor/Normal office activities	Room 512; Column M18 area; about three feet south of Cubicle 13; approximately five feet above floor/Normal office activities	Room 512; Column N19 area; Cubicle 26; about center; approximately five feet above floor/Normal office activities	Room 512; Column N19 area; Cubicle 84; about center; approximately five feet above floor/Normal office activities
START/STOP	10:37:00/10:39:00	11:05:00/11:07:00	11:27:00/11:29:00	11:40:00/11:42:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger			18	
Aspergillus other				
Aspergillus versicolor				
Aureobasidium			18	
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			18	
Curvularia				
Epicoccum				
Non-sporulating fungi		18		
Others				
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts		18		
TOTAL	<18	36	54	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-104
AIRBORNE VIABLE FUNGI RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 21, 2008

Page 3

Results reported in colony forming units per cubic meter of air (CFU/M³)

SAMPLE NUMBER	20803001-VM29JL	20803001-VM30OUTJL		
SAMPLING LOCATION/ACTIVITIES	Room 512; Column N22 area; Cubicle 77; about center; approximately five feet above floor/Normal office activities	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
START/STOP	11:51:00/11:53:00	12:09:00/12:11:00		
SAMPLE TIME	2 minutes	2 minutes		
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor	18			
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		477		
Curvularia				
Epicoccum				
Mucor		18		
Non-sporulating fungi		35		
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	18	530		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-105
SURFACE FUNGAL GROWTH POTENTIALS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 18, 19, 20, and 26 2008

Page 1

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
3/18/08	20803001-TL21JL	Room 519; Column K22 area; Cubicle 55; western cubicle partition; about center; from horizontal surface	Moderate	Few	None	None	Background
3/18/08	20803001-TL22JL	Room 519; Column K21 area; cubicle 65.03; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/18/08	20803001-TL23JL	Room 512; Column L18 area; Cubicle 6; southern cubicle partition; about center; from horizontal surface	Light	None	None	None	Background
3/18/08	20803001-TL24JL	Room 514A; southwestern cabinet; about center; from horizontal surface	Light	Very few	None	None	Background
3/18/08	20803001-TL25JL	Room 512; Column M18 area; Cubicle 13; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/18/08	20803001-TL26JL	Room 512; Column M18 area; Cubicle 2.01; northern cubicle partition; about center; from horizontal surface	Light	None	None	None	Background
3/18/08	20803002-TL27JL	Room 512; Column M18 area; Cubicle 19; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/18/08	20803001-TL28JL	Room 512; Column N18 area; Cubicle 28; northern cubicle partition; about center; from horizontal surface	Light	Very few	None	Very few <i>Stachybotrys</i> spores detected	Possible settling from fungal growth
3/18/08	20803001-TL29JL	Room 512; Column N19 area; Cubicle 25; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-105
SURFACE FUNGAL GROWTH POTENTIALS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 18, 19, 20, and 26 2008

Page 2

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
3/18/08	20803001-TL30JL	Room 512; Column N19 area; Cubicle 84; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/19/08	20803001-TL31JL	Room 512; Column N20 area; Cubicle 82; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/19/08	20803001-TL32JL	Room 512; Column N21 area; Cubicle 87; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/19/08	20803001-TL33JL	Room 512; Column N21 area; Cubicle 89; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/19/08	20803001-TL34JL	Room 512; Column N22 area; Cubicle 76; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/19/08	20803001-TL35JL	Room 521; Column N22 area; Cubicle 46; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/19/08	20803001-TL36JL	Room 521; Column N22 area; Cubicle 43; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/19/08	20803001-TL37JL	Room 520; Cubicle 520.03; southern cubicle partition; about center; from horizontal surface	Light	None	None	None	Background
3/19/08	20803001-TL38JL	Room 520; Cubicle 520.05; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-105
SURFACE FUNGAL GROWTH POTENTIALS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 18, 19, 20, and 26 2008

Page 3

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
3/19/08	20803001-TL39JL	Room 519; Cubicle 57; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/19/08	20803001-TL40JL	Room 519; Cubicle 53; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
3/20/08	20803001-S17JL	Room 519; Column K21 area; about two feet east of Cubicle 65-03; ceiling; from reverse side of HVAC supply air register	Moderate	Few	None	None	Background
3/20/08	20803001-S18JL	Room 520; Cubicle 520-05; ceiling; ceiling; from reverse side of HVAC supply air register	Heavy	Few	None	None	Background
3/20/08	20803001-S19JL	Room 512; Cubicle 006; ceiling; about center; from reverse side of HVAC supply air register	Heavy	Few	None	None	Background
3/20/08	20803001-S20JL	Room 512; Cubicle 2.01; ceiling; about center; ceiling; from reverse side of HVAC supply air register	Moderate	Few	None	None	Background
3/20/08	20803001-S21JL	Room 512; Column N18 area; Cubicle 27; ceiling; about center; from reverse side of HVAC supply air register	Heavy	Few	None	None	Background
3/20/08	20803001-S22JL	Column N20 area; about two feet east of Cubicle 70; ceiling; from reverse side of HVAC supply air register	Heavy	Few	None	None	Background
3/20/08	20803001-S23JL	Column N22 area; Cubicle 90; ceiling; about center; from reverse side of HVAC supply air register	Heavy	Few	None	None	Background
3/20/08	20803001-S24JL	Room 521; ceiling; about center; from reverse side of HVAC supply air register	Moderate	Few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.



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

TABLE 20803001-105
SURFACE FUNGAL GROWTH POTENTIALS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 18, 19, 20, and 26 2008

Page 4

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
3/26/08	20803001-TL75JL	Room 512; Column N18 area; Cubicle 28; southern cubicle partition; about center; from top horizontal surface	Very light dander Very light fibers Very light particulates	Trace	None	None	Background
3/26/08	20803001-TL76JL	Room 512; Column N18 area; Cubicle 28; northern cubicle partition; about center; from top horizontal surface	Very light dander Very light fibers Very light insect parts Very light particulates	Trace	None	Trace <i>Cladosporium</i> (single spore observed) Trace <i>Penicillium/Aspergillus</i> types	Background
3/26/08	20803001-TL77JL	Room 512; Column N18 area; Cubicle 28; printer; about center; from top horizontal surface	Moderate dander Moderate fibers Moderate particulates Very light insect parts	Trace	None	Trace <i>Alternaria</i> (single spore observed) Trace <i>Cladosporium</i> Trace <i>Epicoccum</i> Trace <i>Scopulariopsis</i> Trace unidentified mitosporic <i>fungi</i>	Background
3/26/08	20803001-TL78JL	Room 512; Column N18 area; Cubicle 28; Dell monitor; about center; from top horizontal surface	Moderate dander Light fibers Very light particulates	Trace	None	Trace unidentified mitosporic <i>fungi</i> (single spores observed)	Background
3/26/08	20803001-TL79JL	Room 512; Column N18 area; Cubicle 28; western top cabinet; about center; from top horizontal surface	Very light dander Very light fibers Very light insect parts Very light particulates	Trace	None	Trace <i>Cladosporium</i> Trace <i>Penicillium/Aspergillus</i> types	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-105
SURFACE FUNGAL GROWTH POTENTIALS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 18, 19, 20, and 26 2008

Page 5

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
3/26/08	20803001-TL80JL	Room 512; Column N18 area; power center; about center; from top horizontal surface	Light dander Light fibers Very light insects parts Very light particulates	Trace	None	Trace <i>Cladosporium</i> Trace <i>Penicillium/Aspergillus</i> types	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



**TABLE 20803001-106
AIRBORNE FIBERS RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 19, 2008**

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (f/cc)	PEL (f/cc)
Area Sample	Room 519; about center; approximately five feet above floor/Normal office activities	N/A	20308001-F29ME	8:50 16:50	480 minutes	Fibers	<0.004	0.1
Area Sample	Room 520; about center; approximately five feet above floor/Normal office activities	N/A	20803001-F30ME	8:52 16:52	480 minutes	Fibers	<0.004	0.1
Area Sample	Room 521; about center; approximately five feet above floor/Normal office activities	N/A	20803001-F31ME	8:55 16:55	480 minutes	Fibers	<0.004	0.1
Area Sample	Room 512; Column L18 area; about four feet west of Cubicle 006; approximately five feet above floor/Normal office activities	N/A	20803001-F32ME	9:00 17:00	480 minutes	Fibers	<0.004	0.1
Area Sample	Room 512; Column N18 area; about four feet south of Cubicle 39; approximately five feet above floor/Normal office activities	N/A	20803001-F33ME	9:02 17:02	480 minutes	Fibers	<0.004	0.1
Area Sample	Room 512; Column N20 area; about four feet east of Cubicle 70; approximately five feet above floor/Normal office activities only	N/A	20803001-F34ME	9:04 17:04	480 minutes	Fibers	<0.004	0.1
Area Sample	Room 512; Column N22 area; about two feet north of Cubicle 77; approximately five feet above floor/Normal office activities	N/A	20803001-F35ME	9:06 17:06	480 minutes	Fibers	<0.004	0.1
Blank	N/A	N/A	20803001-F48BLANK ME	N/A	N/A	Fibers	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
f/cc: Fibers per cubic centimeter of air

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-107
AIRBORNE TOTAL DUST RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
APRIL 02, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/M ³)	PEL (mg/M ³)
Area Sample	Room 519; about center; approximately five feet above floor/Normal office activities	N/A	20804001 -TD01JL	9:40/ 15:55	375 minutes	Total dust	<0.13	10
Area Sample	Room 520; about center; approximately five feet above floor/Normal office activities	N/A	20804001 -TD02JL	9:54/ 16:04	370 minutes	Total dust	<0.14	10
Area Sample	Room 521; about center; approximately five feet above floor/Normal office activities	N/A	20804001 -TD03JL	9:56/ 16:07	371 minutes	Total dust	<0.13	10
Area Sample	Column N21 area; Cubicle 80; about center; approximately five feet above floor/Normal office activities	N/A	20804001 -TD04JL	9:58/ 16:09	371 minutes	Total dust	<0.13	10
Area Sample	Column N19 area; Cubicle 25; about center; approximately five feet above floor/Normal office activities	N/A	20804001 -TD05JL	10:02/ 16:17	375 minutes	Total dust	<0.13	10
Area Sample	Column L18 area; about two feet west of Cubicle 04; approximately five feet above floor/Normal office activities	N/A	20804001 -TD06JL	10:04/ 16:20	376 minutes	Total dust	<0.13	10
Area Sample	Room 515; about center; approximately five feet above floor/Normal office activities	N/A	20804001 -TD07JL	10:07/ 16:21	374 minutes	Total dust	<0.13	10
Blank	N/A	N/A	20804001 -TD08 BLANKJL	N/A	N/A	Total dust	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
mg/M³: Milligrams per cubic meter

<: Less than
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 20803001-108
MICROBIAL VOLATILE ORGANIC COMPOUNDS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 26, 2005

Page 1

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/M ³)	PEL (mg/M ³)
Area Sample	Column K22 area; about four feet south of Cubicle 57; approximately five feet above floor/Normal office activities	N/A	20803001-M29JL	10:15/ 11:46	91 minutes	3-Methylfuran	nd	N/A
						2-Methyl-1-propanol	nd	N/A
						1-Butanol	313 x10 ⁻⁶	300
						3-Methyl-2-butanol	nd	N/A
						2-Pentanol	nd	N/A
						3-Methyl-2-butanol	nd	N/A
						Methyl disulfide	nd	N/A
						Ethyl isobutyrate	nd	N/A
						2-Hexanone	70 x10 ⁻⁶	410
						2-Heptanone	96 x10 ⁻⁶	468
						5-Methyl-3-heptanone	nd	130
						1-Octen-3-ol	nd	N/A
						3-Octanone	nd	N/A
						3-Octanol	nd	N/A
						2-Pentylfuran	nd	N/A
						2-Octen-1-ol	nd	N/A
						2-Methoxy-2-1(methylethyl) pyrazine	nd	N/A
						2-Nonanone	nd	N/A
						Fenchone	nd	N/A
						2-Methyl-isoborneol	nd	N/A
a-Terpineol	nd	N/A						
Borneol	nd	N/A						
Geosmin	nd	N/A						
Thujopsene	nd	N/A						

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M³: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 20803001-108
MICROBIAL VOLATILE ORGANIC COMPOUNDS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 26, 2005

Page 2

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/M ³)	PEL (mg/M ³)
Area Sample	Room 521; about center; approximately five feet above floor/Normal office activities	N/A	20803001- M30JL	10:21/ 11:52	91 minutes	3-Methylfuran	nd	N/A
						2-Methyl-1-propanol	nd	N/A
						1-Butanol	467 x10 ⁻⁶	300
						3-Methyl-2-butanol	nd	N/A
						2-Pentanol	nd	N/A
						3-Methyl-2-butanol	nd	N/A
						Methyl disulfide	nd	N/A
						Ethyl isobutyrate	nd	N/A
						2-Hexanone	145 x10 ⁻⁶	410
						2-Heptanone	196 x10 ⁻⁶	468
						5-Methyl-3-heptanone	nd	130
						1-Octen-3-ol	nd	N/A
						3-Octanone	nd	N/A
						3-Octanol	nd	N/A
						2-Pentylfuran	nd	N/A
						2-Octen-1-ol	nd	N/A
						2-Methoxy-2-1(methylethyl) pyrazine	nd	N/A
						2-Nonanone	nd	N/A
						Fenchone	nd	N/A
						2-Methyl-isoborneol	nd	N/A
a-Terpineol	nd	N/A						
Borneol	nd	N/A						
Geosmin	nd	N/A						
Thujopsene	nd	N/A						

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M³: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 20803001-108
MICROBIAL VOLATILE ORGANIC COMPOUNDS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 26, 2005

Page 3

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/M ³)	PEL (mg/M ³)
Area Sample	Column L18 area; about five feet west of Cubicle 004; approximately five feet above floor/Normal office activities	N/A	20803001- M31JL	10:26/ 11:56	90 minutes	3-Methylfuran	nd	N/A
						2-Methyl-1-propanol	nd	N/A
						1-Butanol	395 x10 ⁻⁶	300
						3-Methyl-2-butanol	nd	N/A
						2-Pentanol	nd	N/A
						3-Methyl-2-butanol	nd	N/A
						Methyl disulfide	nd	N/A
						Ethyl isobutyrate	nd	N/A
						2-Hexanone	41 x10 ⁻⁶	410
						2-Heptanone	131 x10 ⁻⁶	468
						5-Methyl-3-heptanone	nd	130
						1-Octen-3-ol	nd	N/A
						3-Octanone	nd	N/A
						3-Octanol	nd	N/A
						2-Pentylfuran	nd	N/A
						2-Octen-1-ol	nd	N/A
						2-Methoxy-2-1(methylethyl) pyrazine	nd	N/A
						2-Nonanone	nd	N/A
						Fenchone	nd	N/A
						2-Methyl-isoborneol	nd	N/A
a-Terpineol	nd	N/A						
Borneol	nd	N/A						
Geosmin	nd	N/A						
Thujopsene	Nd	N/A						

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M³: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 20803001-108
MICROBIAL VOLATILE ORGANIC COMPOUNDS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 26, 2005

Page 4

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/M ³)	PEL (mg/M ³)
Area Sample	Column N20 area; about four feet east of Cubicle 70; approximately five feet above floor/Normal office activities	N/A	20803001-M32JL	10:28/ 11:58	90 minutes	3-Methylfuran	nd	N/A
						2-Methyl-1-propanol	nd	N/A
						1-Butanol	310 x10 ⁻⁶	300
						3-Methyl-2-butanol	nd	N/A
						2-Pentanol	nd	N/A
						3-Methyl-2-butanol	nd	N/A
						Methyl disulfide	nd	N/A
						Ethyl isobutyrate	nd	N/A
						2-Hexanone	109 x10 ⁻⁶	410
						2-Heptanone	115 x10 ⁻⁶	468
						5-Methyl-3-heptanone	nd	130
						1-Octen-3-ol	nd	N/A
						3-Octanone	nd	N/A
						3-Octanol	nd	N/A
						2-Pentylfuran	nd	N/A
						2-Octen-1-ol	nd	N/A
						2-Methoxy-2-1(methylethyl) pyrazine	nd	N/A
						2-Nonanone	nd	N/A
						Fenchone	nd	N/A
						2-Methyl-isoborneol	nd	N/A
a-Terpineol	nd	N/A						
Borneol	nd	N/A						
Geosmin	nd	N/A						
Thujopsene	nd	N/A						

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M³: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20803001-109
DIRECT-READING RESULTS
5TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 18, 2008

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
Column K22 Area; about center; approximately five feet above floor/Normal office activities	13:14/13:18	Volatile Organic Compounds	< 0.1	N/A
		Ozone	< 0.05	
Column L18 Area; about center; approximately five feet above floor/Normal office activities	13:24/13:28	Volatile Organic Compounds	<0.1	N/A
		Ozone	<0.05	
Column N18 Area; about center; approximately five feet above floor/Normal office activities	13:31/13:37	Volatile Organic Compounds	< 0.1	N/A
		Ozone	<0.05	
Column N22 Area; about center; approximately five feet above floor/Normal office activities	13:41/13:46	Volatile Organic Compounds	< 0.1	N/A
		Ozone	<0.05	

LEGEND

ND: Not detected
<: Less than

N/A: Not applicable
ppm: Parts per million



EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20803001
EML ID: 402346

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Direct microscopic exam (Qualitative): 03-25-2008
Spore trap analysis: 03-25-2008

Project SOPs: Direct microscopic exam (Qualitative) (I100005), Spore trap analysis (I100000)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. 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 corrections of results is not a standard practice. 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.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-20-2008
Date of Receipt: 03-21-2008
Date of Report: 03-25-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM17CCJL		20803001-TM18CCJL		20803001-TM19CCJL		20803001-TM20CCJL	
Comments (see below)	None		None		A		None	
Lab ID-Version‡:	1766624-1		1766625-1		1766626-1		1766627-1	
	raw ct.	spores/m3						
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			2	107				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53	1	53			1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	2	107	1	53			2	107
Pithomyces								
Rusts*			1	13				
Smuts*, Periconia, Myxomycetes*			2	27			1	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		2+		< 1+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		27	
Skin cells (1-4+)	1+		2+		< 1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		160		253		< 13		173

Comments: A) No spores observed.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† 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 Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-20-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM21CCJL		20803001-TM22CCJL		20803001-TM23CCJL		20803001-TM24CCJL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1766628-1		1766629-1		1766630-1		1766631-1	
	raw ct.	spores/m3						
Alternaria								
Arthrinium								
Ascospores*			1	53				
Aureobasidium								
Basidiospores*	1	53	2	107	1	53		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium			1	13			1	13
Cladosporium	1	53	4	213	4	213	6	320
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown							1	13
Other colorless								
Penicillium/Aspergillus types†					1	53		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	2	27			1	13		
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		3+		2+	
Hyphal fragments/m3	13		< 13		53		< 13	
Pollen/m3	< 13		< 13		13		< 13	
Skin cells (1-4+)	1+		1+		2+		2+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		133		386		332		346

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † 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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 ‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-20-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1766616-1: Swab sample 20803001-S17JL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 1766617-1: Swab sample 20803001-S18JL				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1766618-1: Swab sample 20803001-S19JL				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1766619-1: Swab sample 20803001-S20JL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 1766620-1: Swab sample 20803001-S21JL				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1766621-1: Swab sample 20803001-S22JL				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1766622-1: Swab sample 20803001-S23JL				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1766623-1: Swab sample 20803001-S24JL				
Moderate	Few	None	None	Normal trapping

‡ A "Version" greater than 1 indicates amended data.



HYGIENE TECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8970
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: _____
 Project Contact: Wes Frey Turnaround Required: standard
 Lab Destination: EM lab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001 - S17JL	N/A	Swab	Surface fungi ID qualitative
-S18JL	↓	↓	↓
-S19JL	↓	↓	↓
-S20JL	↓	↓	↓
-S21JL	↓	↓	↓
-S22JL	↓	↓	↓
-S23JL	↓	↓	↓
-S24JL	↓	↓	↓
-TM17CCJL	75L	allergenco D	Total fungi ID
-TM18CCJL	↓	↓	↓
-TM19CCJL	↓	↓	↓
-TM20CCJL	↓	↓	↓
-TM21CCJL	↓	↓	↓
-TM22CCJL	↓	↓	↓
-TM23CCJL	↓	↓	↓
-TM24CCJL	↓	↓	↓

Special Instructions: _____

1. Sampled by: Johnie 3/20/08 1600 Received by: [Signature] 3/20/08
 2. Relinquished by: [Signature] 3/20/08 12:40 Received by: [Signature] 3/20/08 1 PM
 3. Relinquished by: _____ Received by: _____
- Please include signature, date, and time

Lab Use Only:

HYGIENE



EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20803001
 EML ID: 402427

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Spore trap analysis: 03-25-2008

Project SOPs: Spore trap analysis (I100000)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. 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 corrections of results is not a standard practice. 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.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-21-2008
Date of Receipt: 03-21-2008
Date of Report: 03-25-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM61outJL		20803001-TM62JL		20803001-TM63JL		20803001-TM64JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1766756-1		1766757-1		1766758-1		1766759-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	3	40						
Aureobasidium								
Basidiospores*	5	67	2	27				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium	7	93						
Cladosporium	8	427						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora	2	27						
Oidium	1	13						
Other colorless								
Penicillium/Aspergillus types†	16	853	3	160	1	53	1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	3	40						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		2+		2+		2+	
Hyphal fragments/m3	27		27		13		< 13	
Pollen/m3	2,390		27		13		40	
Skin cells (1-4+)	< 1+		1+		< 1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		1,560		187		53		53

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† 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 Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM65JL		20803001-TM66JL		20803001-TM67JL		20803001-TM68JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1766760-1		1766761-1		1766762-1		1766763-1	
	raw ct.	spores/m3						
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			1	13				
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium			1	13				
Other colorless								
Penicillium/Aspergillus types†	2	107	1	13			1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		1+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		27		13		< 13	
Skin cells (1-4+)	1+		1+		< 1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		107		39		< 13		53

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † 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 Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM69JL		20803001-TM70JL		20803001-TM71JL		20803001-TM72JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1766764-1		1766765-1		1766766-1		1766767-1	
	raw ct.	spores/m3						
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*					1	13		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other colorless								
Penicillium/Aspergillus types†	1	53	1	53	1	53		
Pithomyces								
Rusts*			1	13				
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		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 SPORE/m3		53		66		66		< 13

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † 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 Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-21-2008
Date of Receipt: 03-21-2008
Date of Report: 03-25-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM73JL		20803001-TM74JL		20803001-TM75JL		20803001-TM76JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1766768-1		1766769-1		1766770-1		1766771-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13						
Arthrinium								
Ascospores*							1	13
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53			4	213		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other colorless								
Penicillium/Aspergillus types†	1	13	1	53	1	53	2	107
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	1	13	1	13	1	13		
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	27		< 13		< 13		27	
Pollen/m3	13		13		13		< 13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		92		66		279		120

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† 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 Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM77JL		20803001-TM78outJL	
Comments (see below)	None		None	
Lab ID-Version‡:	1766772-1		1766773-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			3	40
Arthrinium				
Ascospores*				
Aureobasidium				
Basidiospores*			2	27
Bipolaris/Drechslera group				
Botrytis	1	13	1	13
Chaetomium				
Cladosporium	2	107	9	480
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other colorless				
Penicillium/Aspergillus types†	1	53	1	53
Pithomyces				
Rusts*			1	13
Smuts*, Periconia, Myxomycetes*				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		2+	
Hyphal fragments/m3	13		40	
Pollen/m3	< 13		560	
Skin cells (1-4+)	< 1+		< 1+	
Sample volume (liters)	75		75	
TOTAL SPORE/m3		173		626

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† 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 Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-21-2008
Date of Receipt: 03-21-2008
Date of Report: 03-25-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20803001-TM61outJL

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: March				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	210	43	7	27	230	60
Bipolaris/Drechslera group	-	7	13	120	12	7	13	120	14
Chaetomium	93	7	13	120	8	7	13	110	19
Cladosporium	427	27	320	4,300	91	53	640	6,500	98
Curvularia	-	7	13	210	7	7	13	210	7
Nigrospora	27	7	13	110	7	7	13	170	8
Penicillium/Aspergillus types	853	27	160	1,600	82	40	210	2,500	88
Stachybotrys	-	7	13	310	3	7	13	330	5
Torula	-	7	13	170	8	7	13	150	13
Seldom found growing indoors**									
Ascospores	40	13	130	2,000	74	13	110	1,800	73
Basidiospores	67	13	320	5,700	90	13	270	6,900	95
Botrytis	-	7	27	210	16	7	20	200	21
Oidium	13	7	13	330	14	7	13	200	20
Rusts	-	7	13	320	17	7	13	270	29
Smuts, Periconia, Myxomycetes	40	7	27	310	54	8	40	470	71
TOTAL SPORES/M3	1,560								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 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, 2.5% 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.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*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.

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.:
Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-21-2008
Date of Receipt: 03-21-2008
Date of Report: 03-25-2008

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 20803001-TM78outJL**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: March				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	40	7	27	210	43	7	27	230	60
Bipolaris/Drechslera group	-	7	13	120	12	7	13	120	14
Chaetomium	-	7	13	120	8	7	13	110	19
Cladosporium	480	27	320	4,300	91	53	640	6,500	98
Curvularia	-	7	13	210	7	7	13	210	7
Nigrospora	-	7	13	110	7	7	13	170	8
Penicillium/Aspergillus types	53	27	160	1,600	82	40	210	2,500	88
Stachybotrys	-	7	13	310	3	7	13	330	5
Torula	-	7	13	170	8	7	13	150	13
Seldom found growing indoors**									
Ascospores	-	13	130	2,000	74	13	110	1,800	73
Basidiospores	27	13	320	5,700	90	13	270	6,900	95
Botrytis	13	7	27	210	16	7	20	200	21
Oidium	-	7	13	330	14	7	13	200	20
Rusts	13	7	13	320	17	7	13	270	29
Smuts, Periconia, Myxomycetes	-	7	27	310	54	8	40	470	71
TOTAL SPORES/M3	626								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 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, 2.5% 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.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*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.

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.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20803001-TM61outJL:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores				40	13 - 160 - 4,200	76
Basidiospores				67	13 - 320 - 14,000	92
Chaetomium				93	7 - 13 - 120	13
Cladosporium				427	40 - 530 - 8,400	94
Nigrospora				27	7 - 13 - 210	14
Oidium				13	7 - 13 - 230	15
Penicillium/Aspergillus types				853	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes				40	7 - 40 - 760	70
Total				1,560		

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

Indoor Samples

Location: 20803001-TM62JL

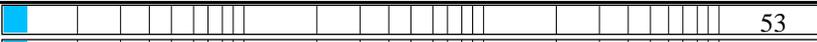
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 11%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.6310 Critical value: 0.6190 Outside Similar: Yes	Score: 113 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				27
	Penicillium/Aspergillus types				160
	Total				187

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MoldSTAT™: Supplementary Statistical Spore Trap Report

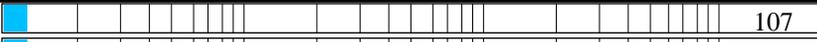
Location: 20803001-TM63JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM64JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM65JL

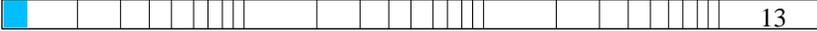
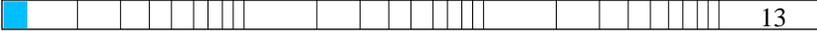
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					107
Total					107

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MoldSTAT™: Supplementary Statistical Spore Trap Report

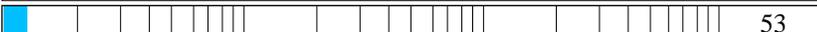
Location: 20803001-TM66JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.3869 Critical value: 0.6190 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					13
Oidium					13
Penicillium/Aspergillus types					13
Total					39

Location: 20803001-TM67JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 20803001-TM68JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
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 Date of Report: 03-25-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM69JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM70JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3042 Critical value: 0.5833 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Rusts					13
Total					66

Location: 20803001-TM71JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.6310 Critical value: 0.6190 Outside Similar: Yes	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					13
Penicillium/Aspergillus types					53
Total					66

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM72JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 20803001-TM73JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 5%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 9 Result: 0.3708 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Cladosporium					53
Penicillium/Aspergillus types					13
Smuts, Periconia, Myxomycetes					13
Total					92

Location: 20803001-TM74JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.5060 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					66

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM75JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 17%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.6845 Critical value: 0.6190 Outside Similar: Yes	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					213
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					279

Location: 20803001-TM76JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 7%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.5060 Critical value: 0.6190 Outside Similar: No	Score: 109 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					13
Penicillium/Aspergillus types					107
Total					120

Location: 20803001-TM77JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 11%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.4917 Critical value: 0.5833 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Botrytis					13
Cladosporium					107
Penicillium/Aspergillus types					53
Total					173

Client: Hygiene Technologies International, Inc.:
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Date of Sampling: 03-21-2008
Date of Receipt: 03-21-2008
Date of Report: 03-25-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

* 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. EMLab P&K reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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 Northern California
 C/O: Mr. Wes Frey
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Date of Sampling: 03-21-2008
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 Date of Report: 03-25-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20803001-TM78outJL:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				40	7 - 27 - 380	54
Ascospores				ND	13 - 160 - 4,200	76
Basidiospores				27	13 - 320 - 14,000	92
Botrytis				13	7 - 20 - 210	13
Cladosporium				480	40 - 530 - 8,400	94
Penicillium/Aspergillus types				53	27 - 210 - 2,600	85
Rusts				13	7 - 14 - 310	23
Smuts, Periconia, Myxomycetes				ND	7 - 40 - 760	70
Total				626		

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

Indoor Samples

Location: 20803001-TM62JL

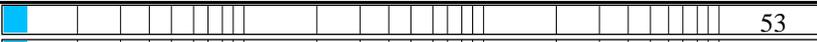
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 29%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.3857 Critical value: 0.7714 Outside Similar: No	Score: 125 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				27
	Penicillium/Aspergillus types				160
	Total				187

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

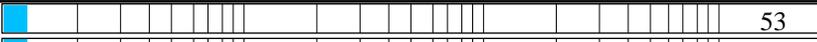
Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

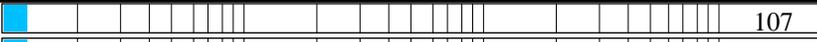
Location: 20803001-TM63JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM64JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM65JL

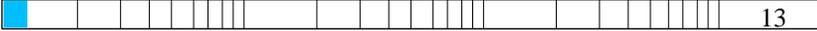
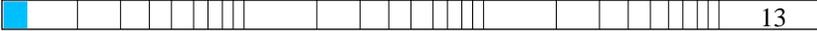
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 17%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 117 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					107
Total					107

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 Date of Receipt: 03-21-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

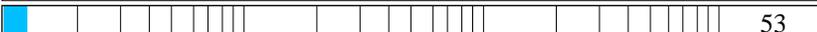
Location: 20803001-TM66JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.3839 Critical value: 0.6786 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					13
Oidium					13
Penicillium/Aspergillus types					13
Total					39

Location: 20803001-TM67JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 20803001-TM68JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Client: Hygiene Technologies International, Inc.:
 Northern California
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 Re: 20803001

Date of Sampling: 03-21-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM69JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM70JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 10%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.1714 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Rusts					13
Total					66

Location: 20803001-TM71JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 10%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.3857 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					13
Penicillium/Aspergillus types					53
Total					66

Client: Hygiene Technologies International, Inc.:
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Date of Sampling: 03-21-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM72JL

% 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: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected				N/A

Location: 20803001-TM73JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 14%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.6161 Critical value: 0.6786 Outside Similar: No	Score: 107 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Alternaria				13
Cladosporium				53
Penicillium/Aspergillus types				13
Smuts, Periconia, Myxomycetes				13
Total				92

Location: 20803001-TM74JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 10%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.1518 Critical value: 0.6786 Outside Similar: No	Score: 108 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Penicillium/Aspergillus types				53
Smuts, Periconia, Myxomycetes				13
Total				66

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM75JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 44%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.5625 Critical value: 0.6786 Outside Similar: No	Score: 109 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					213
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					279

Location: 20803001-TM76JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 19%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.1518 Critical value: 0.6786 Outside Similar: No	Score: 117 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					13
Penicillium/Aspergillus types					107
Total					120

Location: 20803001-TM77JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 27%	dF: 15 Result: 5.1814 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.6714 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Botrytis					13
Cladosporium					107
Penicillium/Aspergillus types					53
Total					173

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MoldSTAT™: Supplementary Statistical Spore Trap Report

* 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. EMLab P&K reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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Date of Sampling: 03-21-2008
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM63JL

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				105
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 105

Location: 20803001-TM64JL

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				105
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 105

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM65JL

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†	█				2	107				110
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						107	Final MoldSCORE 110			

Location: 20803001-TM66JL

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	13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Oidium	█				1	13				105
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						39	Final MoldSCORE 100			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM67JL

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†					ND	< 13	█			100
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						N/A				Final MoldSCORE 100

Location: 20803001-TM68JL

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	█			105
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 105

Client: Hygiene Technologies International, Inc.:
 Northern California
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 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM69JL

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				105
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 105

Location: 20803001-TM70JL

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				104
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts	█				1	13				105
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						66				Final MoldSCORE 104

Client: Hygiene Technologies International, Inc.:
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Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM71JL

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				104
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††	█				1	13				101
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						66				
							Final MoldSCORE	104		

Location: 20803001-TM72JL

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†					ND	< 13				100
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						N/A				
							Final MoldSCORE	100		

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Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM73JL

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					1	13				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					1	13				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					ND	< 13				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					1	13				
Total						92	Final MoldSCORE 107			

Location: 20803001-TM74JL

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				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					ND	< 13				
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††					ND	< 13				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					1	13				
Total						66	Final MoldSCORE 104			

Client: Hygiene Technologies International, Inc.:
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 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM75JL

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	█				4	213				110
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				100
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‡‡	█				1	13				101
Total						279				Final MoldSCORE 110

Location: 20803001-TM76JL

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†	█				2	107				109
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores‡‡	█				1	13				104
Basidiospores‡‡					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes‡‡					ND	< 13				100
Total						120				Final MoldSCORE 109

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 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM77JL

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	107	█			104
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††					ND	< 13	█			100
Botrytis	█				1	13	█			105
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						173	Final MoldSCORE 104			

*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.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡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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Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Outdoor Sample: 20803001-TM78outJL

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					3	40
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					9	480
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††					2	27
Botrytis					1	13
Rusts					1	13
Smuts, Periconia, Myxomycetes††					ND	< 13
Total						626

Location: 20803001-TM62JL

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					ND	< 13
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					3	160
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores††					ND	< 13
Basidiospores††					2	27
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes††					ND	< 13
Total						187

MoldSCORE‡			
100	200	300	Score
			100
			100
			100
			100
			100
			100
			125
			100
			100
			100
			103
			100
			100
Final MoldSCORE			125

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Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM63JL

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			

Location: 20803001-TM64JL

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			

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Date of Sampling: 03-21-2008
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM65JL

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†	█				2	107				117
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						107	Final MoldSCORE 117			

Location: 20803001-TM66JL

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	13				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††					ND	< 13				100
Basidiospores††					ND	< 13				100
Oidium	█				1	13				105
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						39	Final MoldSCORE 102			

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 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM67JL

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†					ND	< 13				100
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						N/A				Final MoldSCORE 100

Location: 20803001-TM68JL

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

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Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM69JL

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

Location: 20803001-TM70JL

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	█				1	13				105
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						66				Final MoldSCORE 108

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 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM71JL

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††	█				1	13				101
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						66				Final MoldSCORE 108

Location: 20803001-TM72JL

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†					ND	< 13				100
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						N/A				Final MoldSCORE 100

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM73JL

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					1	13				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					1	13				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					ND	< 13				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					1	13				
Total						92	Final MoldSCORE 107			

Location: 20803001-TM74JL

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				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					ND	< 13				
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††					ND	< 13				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					1	13				
Total						66	Final MoldSCORE 108			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM75JL

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	█				4	213				109
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				107
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††	█				1	13				103
Total						279				Final MoldSCORE 109

Location: 20803001-TM76JL

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†	█				2	107				117
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††	█				1	13				105
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						120				Final MoldSCORE 117

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-21-2008
 Date of Receipt: 03-21-2008
 Date of Report: 03-25-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM77JL

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	107	█			104
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
Botrytis	█				1	13	█			105
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						173	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.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡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.



EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20803001
 EML ID: 402427

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 03-27-2008
Spore trap analysis: 03-25-2008

Project SOPs: Culturable air fungi (Incl. Asp spp.) (I100002), Spore trap analysis (I100000)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. 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 corrections of results is not a standard practice. 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.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-21-2008
Date of Receipt: 03-21-2008
Date of Report: 03-27-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM21outJL		20803001-VM22JL		20803001-VM23JL		20803001-VM24JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1766746-1		1766747-1		1766748-1		1766749-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger								
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium	4	71						
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	21	389						
Curvularia								
Epicoccum								
Fusarium								
Mucor								
Non-sporulating fungi	2	35						
Paecilomyces								
Penicillium	14	247			1	18		
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts	4	71			1	18		
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		813		< 18		36		< 18

* cfu = colony forming units

Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
 NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
 PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-21-2008
Date of Receipt: 03-21-2008
Date of Report: 03-27-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM25JL		20803001-VM26JL		20803001-VM27JL		20803001-VM28JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1766750-1		1766751-1		1766752-1		1766753-1	
	raw ct.	cfu*/m3						
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger					1	18		
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium					1	18		
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium					1	18		
Curvularia								
Epicoccum								
Fusarium								
Mucor								
Non-sporulating fungi			1	18				
Paecilomyces								
Penicillium								
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts			1	18				
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		< 18		36		54		< 18

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
 NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
 PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-21-2008
Date of Receipt: 03-21-2008
Date of Report: 03-27-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM29JL		20803001-VM30outJL	
Comments (see below)	None		A	
Lab ID-Version‡:	1766754-1		1766755-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus fumigatus				
Aspergillus nidulans				
Aspergillus niger				
Aspergillus ochraceus				
Aspergillus versicolor	1	18		
Aureobasidium				
Basidiomycetes				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			26	477
Curvularia				
Epicoccum				
Fusarium				
Mucor			1	18
Non-sporulating fungi			2	35
Paecilomyces				
Penicillium				
Phoma				
Rhizopus				
Stachybotrys chartarum				
Ulocladium				
Yeasts				
Positive Hole	400		400	
Sample volume (liters)	56.6		56.6	
TOTAL CFU*/M3		18		530

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments: A) The sample was overgrown with a *Mucor* species which may have reduced or eliminated the presence of other fungi.

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
 NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
 PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.



HYGIENE TECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/21/08
 Project Contact: Wes Frey Turnaround Required: standard
 Lab Destination: EM lab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-VM210453L	50.6L	MEA	Viable Fungi ID
-VM223L	↓	↓	↓
-VM233L	↓	↓	↓
-VM243L	↓	↓	↓
-VM253L	↓	↓	↓
-VM263L	↓	↓	↓
-VM273L	↓	↓	↓
-VM283L	↓	↓	↓
-VM293L	↓	↓	↓
-VM300453L	↓	↓	↓
-TM1010453L	75L	allergenco D	Total Fungi ID
-TM623L	↓	↓	↓
-TM633L	↓	↓	↓
-TM643L	↓	↓	↓
-TM653L	↓	↓	↓
-TM663L	↓	↓	↓

Special Instructions: _____

1. Sampled by: John Le. 3/21/08 1400 Received by: [Signature] 3/21/08 3:40P
 2. Relinquished by: _____ Received by: _____
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only: _____

LEHMAN



HYGIENE TECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrence, California 90503-1643
(310) 370-8370
(310) 370-2174 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/21/08
 Project Contact: Wes Freyf Turnaround Required: standard
 Lab Destination: EM lab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TM673L	75L	allergenco D	Total fungi ID
-TM685L			
-TM693L			
-TM703L			
-TM713L			
-TM723L			
-TM733L			
-TM743L			
-TM753L			
-TM763L			
-TM773L			
-TM78043L			

Special Instructions: _____

1. Sampled by: John Le. 3/21/08 14:00 Received by: VANDENBERG 3/21/08 3:40
 2. Relinquished by: _____ Received by: _____
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only: _____

LEHON



EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20803001
 EML ID: 401908

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:

Direct microscopic exam (Qualitative): 03-24-2008

Project SOPs: Direct microscopic exam (Qualitative) (I100005)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. 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 corrections of results is not a standard practice. 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.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-18-2008
 Date of Receipt: 03-20-2008
 Date of Report: 03-24-2008

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1764466-1: Tape sample 20803001-TL01JL				
Light	Very few	None	Very few <i>Stachybotrys</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 1764467-1: Tape sample 20803001-TL02JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764468-1: Tape sample 20803001-TL03JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764469-1: Tape sample 20803001-TL04JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1764470-1: Tape sample 20803001-TL05JL				
Light	Very few	None	None	No mold spores detected
Lab ID-Version: 1764471-1: Tape sample 20803001-TL06JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764472-1: Tape sample 20803001-TL07JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1764473-1: Tape sample 20803001-TL08JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1764474-1: Tape sample 20803001-TL09JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764475-1: Tape sample 20803001-TL10JL				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1764476-1: Tape sample 20803001-TL11JL				
Light	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1764477-1: Tape sample 20803001-TL12JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1764478-1: Tape sample 20803001-TL13JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1764479-1: Tape sample 20803001-TL14JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764480-1: Tape sample 20803001-TL15JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764481-1: Tape sample 20803001-TL16JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764482-1: Tape sample 20803001-TL17JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764483-1: Tape sample 20803001-TL18JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764484-1: Tape sample 20803001-TL19JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1764485-1: Tape sample 20803001-TL20JL				
Light	Very few	< 1+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 1764486-1: Tape sample 20803001-TL21JL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 1764487-1: Tape sample 20803001-TL22JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764488-1: Tape sample 20803001-TL23JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1764489-1: Tape sample 20803001-TL24JL				
Light	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1764490-1: Tape sample 20803001-TL25JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764491-1: Tape sample 20803001-TL26JL				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1764492-1: Tape sample 20803001-TL27JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764493-1: Tape sample 20803001-TL28JL				
Light	Very few	None	Very few <i>Stachybotrys</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 1764494-1: Tape sample 20803001-TL29JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764495-1: Tape sample 20803001-TL30JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764496-1: Tape sample 20803001-TL31JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764497-1: Tape sample 20803001-TL32JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764498-1: Tape sample 20803001-TL33JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764499-1: Tape sample 20803001-TL34JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764500-1: Tape sample 20803001-TL35JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764501-1: Tape sample 20803001-TL36JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764502-1: Tape sample 20803001-TL37JL				
Light	None	None	None	No mold spores detected

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1764503-1: Tape sample 20803001-TL38JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764504-1: Tape sample 20803001-TL39JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764505-1: Tape sample 20803001-TL40JL				
Light	Very few	None	None	Normal trapping

‡ A "Version" greater than 1 indicates amended data.



HYGIENE TECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/19/08
 Project Contact: Wes Frey Turnaround Required: Standard
 Lab Destination: EM lab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TL01JL	N/A	tape	Surface mold ID qualitative
-TL02JL			
-TL03JL			
-TL04JL			
-TL05JL			
-TL06JL			
-TL07JL			
-TL08JL			
-TL09JL			
-TL10JL			
-TL11JL			
-TL12JL			
-TL13JL			
-TL14JL			
-TL15JL			
-TL16JL			

Special Instructions: _____

1. Sampled by: John Ye 3/18/08 1130 Received by: _____
 2. Relinquished by: Mick 3/19/08 1730 Received by: _____
 3. Relinquished by: Prep box Received by: _____
- Please include signature, date, and time

Lab Use Only: _____

401908



HYGIENE TECH

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8825 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/19/08
 Project Contact: Wee Frey Turnaround Required: standard
 Lab Destination: EM lab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TL173L	N/A	tape	Surface mold ID qualitative
↓ -TL183L	↓	↓	↓
↓ -TL193L	↓	↓	↓
↓ -TL203L	↓	↓	↓
↓ -TL213L	↓	↓	↓
↓ -TL223L	↓	↓	↓
↓ -TL233L	↓	↓	↓
↓ -TL243L	↓	↓	↓
↓ -TL253L	↓	↓	↓
↓ -TL263L	↓	↓	↓
↓ -TL273L	↓	↓	↓
↓ -TL283L	↓	↓	↓
↓ -TL293L	↓	↓	↓
↓ -TL303L	↓	↓	↓
↓ -TL313L	↓	↓	↓
↓ -TL323L	↓	↓	↓

Special Instructions: _____

1. Sampled by: John Le 3/18/08 1130 Received by: _____
 2. Relinquished by: Makhan 3/19/08 1730 Received by: _____
 3. Relinquished by: Drop Box Received by: _____
 Please include signature, date, and time

Lab Use Only: _____

4/19/08



HYGIENE TECH

Hygiene Technologies International, Inc.

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Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/19/08
 Project Contact: Wes Frey Turnaround Required: standard
 Lab Destination: EM lab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TL 23 JL	N/A	tape	Surface mold ID qualitative
- TL 34 JL	↓	↓	↓
- TL 35 JL	↓	↓	↓
- TL 36 JL	↓	↓	↓
- TL 37 JL	↓	↓	↓
- TL 38 JL	↓	↓	↓
- TL 39 JL	↓	↓	↓
- TL 40 JL	↓	↓	↓

Special Instructions: _____

1. Sampled by: John Le. 3/18/08 1540 Received by: _____
 2. Relinquished by: Wes Frey 3/20/08 Received by: _____
 3. Relinquished by: Drop Box Received by: _____
 Please include signature, date, and time

Lab Use Only: _____

401988



HYGIENE TECH

Hygiene Technologies International, Inc.

- 0803035

1082

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/27/08
Project Contact: Wes Frey Turnaround Required: Normal
Lab Destination: Bio Hygiene Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001 - TL61JL	N/A	tape	M102.1
20803001 - TL62JL	↓	↓	↓
20803001 - TL63JL			
20803001 - TL64JL			
20803001 - TL65JL			
20803001 - TL66JL			
20803001 - TL67JL			
20803001 - TL68JL			
20803001 - TL69JL			
20803001 - TL70JL			
20803001 - TL71JL			
20803001 - TL72JL			
20803001 - TL73JL			
20803001 - TL74JL			
20803001 - TL75JL			
20803001 - TL76JL			

Special Instructions: _____

1. Sampled by: John Le 3/26/08 12:00 Received by: Makha Em 3/27/08 12:00
2. Relinquished by: Makha Em 3/27/08 17:00 Received by: R. Palley 03.28.08 9:45
3. Relinquished by: R. Palley 03.28.08 11:00 Received by: LHW 03.31.08 11:20AM (-TL61JL to -TL70JL)
R. Palley 03.31.08 8:15:00
(-TL71JL to -TL76JL) 03.31.08

Lab Use Only:
Completed on 04.01.08 Book 3177 p.19 (-TL61JL to -TL68JL) p.20 (-TL69JL, -TL70JL). LHW
Completed on 04.01.08 Book 3202 p.1 (-TL71JL to -TL77JL) p.2 (-TL78JL to -TL80JL) LHW

FINAL REPORT: Direct Microscopic Exam Of Tape Lift Samples

PROJECT NUMBER: 20803001

LABORATORY ID NUMBER: 0803035

Hygiene Technologies International, Inc.

Received Date: March 28, 2008

Attention: Wes Frey

Report Date: April 01, 2008

4330 Auburn Blvd. Suite 1850

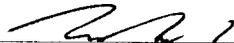
Sacramento, CA 95841

Customer Sample Number	Date of Analysis	Method	Sample Intact	Amorphous Debris	Miscellaneous Fungi/Pollen ¹	Fungi with hyphal and /or sporulating structures ²	Loose spores/ Other comments ²
-TL61JL	04/01/08	M102.1	Yes	Very light dander, Very light fibers, Very light particulates	Trace	None	None
-TL62JL	04/01/08	M102.1	Yes	Light dander, Light particulates, Very light fibers	Trace	None	Trace Cladosporium
-TL63JL	04/01/08	M102.1	Yes	Very light dander, Very light fibers, Very light particulates	None	None	None
-TL64JL	04/01/08	M102.1	Yes	Moderate dander, Light fibers, Light particulates	Trace	None	Trace Alternaria*, Trace Epicoccum*, *(single spore observed)
-TL65JL	04/01/08	M102.1	Yes	Moderate dander, Moderate fibers, Light particulates, Very light wood fibers	Trace	Trace Unidentified hyphal fragments	Trace Alternaria, Trace Bipolaris/Drechslera group*, Trace Cladosporium, Trace Curvularia*, Trace Oidium*, *(single spore observed)
-TL66JL	04/01/08	M102.1	Yes	Light dander, Light fibers, Very light particulates	Trace	None	Trace Cladosporium
-TL67JL	04/01/08	M102.1	Yes	Light dander, Light particulates, Very light fibers	Trace	None	Trace Epicoccum (single spore observed)
-TL68JL	04/01/08	M102.1	Yes	Moderate dander, Light fibers, Light particulates, Very light insect parts	Trace	Trace Unidentified hyphal fragments	Trace Alternaria, Trace Cladosporium, Trace Nigrospora (single spore observed)
-TL69JL	04/01/08	M102.1	Yes	Very light dander, Very light fibers, Very light particulates	None	None	None

1 - Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

2 - Quantities of fungi are graded (from least to greatest) as a percentage of coverage of the slide area examined: none (0%), trace (0 - 10%), few (10 - 40%), numerous (40 - 80%), and massive (>80%).

APPROVED:



DATE:

04/01/08

Name

Lucas Walker

Title:

Lab Analyst

Results reported relate only to the sample items tested. This test report shall not be reproduced (except in full), corrected or added to without written approval from BioHygiene Laboratories, Inc.

FINAL REPORT: Direct Microscopic Exam Of Tape Lift Samples
PROJECT NUMBER: 20803001
LABORATORY ID NUMBER: 0803035
Hygiene Technologies International, Inc.
Received Date: March 28, 2008

Attention: Wes Frey

Report Date: April 01, 2008

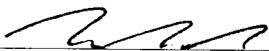
4330 Auburn Blvd. Suite 1850

Sacramento, CA 95841

Customer Sample Number	Date of Analysis	Method	Sample Intact	Amorphous Debris	Miscellaneous Fungi/Pollen ¹	Fungi with hyphal and /or sporulating structures ²	Loose spores/ Other comments ²
-TL70JL	04/01/08	M102.1	Yes	Moderate dander, Light fibers, Light particulates	Trace	Trace Unidentified hyphal fragments	Trace Unidentified mitosporic fungi
-TL71JL	04/01/08	M102.1	Yes	Very light dander, Very light fibers, Very light particulates	Trace	None	None
-TL72JL	04/01/08	M102.1	Yes	Light dander, Very light fibers, Very light particulates	Trace	None	Trace Alternaria (single spore observed)
-TL73JL	04/01/08	M102.1	Yes	Moderate dander, Moderate particulates, Very light fibers	Trace	None	Trace Cladosporium, Trace Penicillium/Aspergillus types
-TL74JL	04/01/08	M102.1	Yes	Moderate fibers, Light dander, Very light particulates	Trace	None	None
-TL75JL	04/01/08	M102.1	Yes	Very light dander, Very light fibers, Very light particulates	Trace	None	None
-TL76JL	04/01/08	M102.1	Yes	Very light dander, Very light fibers, Very light insect parts, Very light particulates	Trace	None	Trace Cladosporium*, Trace Penicillium/Aspergillus types, *(single spore observed)
-TL77JL	04/01/08	M102.1	Yes	Moderate dander, Moderate fibers, Moderate particulates, Very light insect parts	Trace	None	Trace Alternaria*, Trace Cladosporium, Trace Epicoccum, Trace Scopulariopsis, Trace Unidentified mitosporic fungi, *(single spore observed)

1 - Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

2 - Quantities of fungi are graded (from least to greatest) as a percentage of coverage of the slide area examined: none (0%), trace (0 - 10%), few (10 - 40%), numerous (40 - 80%), and massive (>80%).

APPROVED:

DATE:

04/01/08

Name

Lucas Walker

Title:

Lab Analyst

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FINAL REPORT: Direct Microscopic Exam Of Tape Lift Samples

PROJECT NUMBER: 20803001
Hygiene Technologies International, Inc.
Attention: Wes Frey
4330 Auburn Blvd. Suite 1850
Sacramento, CA 95841

LABORATORY ID NUMBER: 0803035
Received Date: March 28, 2008
Report Date: April 01, 2008

Customer Sample Number	Date of Analysis	Method	Sample Intact	Amorphous Debris	Miscellaneous Fungi/Pollen ¹	Fungi with hyphal and /or sporulating structures ²	Loose spores/ Other comments ²
-TL78JL	04/01/08	M102.1	Yes	Moderate dander, Light fibers, Very light particulates	Trace	None	Trace Unidentified mitosporic fungi (single spore observed)
-TL79JL	04/01/08	M102.1	Yes	Very light dander, Very light fibers, Very light particulates	Trace	None	Trace Alternaria, Trace Cladosporium
-TL80JL	04/01/08	M102.1	Yes	Light dander, Light fibers, Very light insect parts, Very light particulates	Trace	None	Trace Cladosporium, Trace Penicillium/Aspergillus types

1 - Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

2 - Quantities of fungi are graded (from least to greatest) as a percentage of coverage of the slide area examined: none (0%), trace (0 - 10%), few (10 - 40%), numerous (40 - 80%), and massive (>80%).

APPROVED:  **DATE:** 04/01/08
Name Lucas Wallin **Title:** Lab Analyst

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