HYGIENETECH
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September 15, 2008

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

Document No. 20802001.17

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
14TH Floor

Dear Mr. Gau:

On various dates in February, March, and April of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 14TH 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, 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 – 14TH 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

SEPTEMBER 15, 2008

1.0 BACKGROUND

On various dates in February, March, and April of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 14th 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 14TH 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 (CO_2), ozone (O_3), air temperature, and relative humidity.

2.0 OBSERVATIONS

The interior building materials of the 14TH Floor included, but were not limited to, metal window frames; painted gypsum board and/or metal windowsills; metal doorjambs 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. However, be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers.

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 a laboratory 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 O_3 and VOC levels, the results of which appear in Table 20802001-177 in Appendix A of this report. A discussion of the airborne CO_2 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/M^3), appear in Table 20802001-171.

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/ M^3), can be found in Table 20802001-172.

3.3 Surface Fungal Growth Potentials

Surface samples were collected for fungal growth assessment using Zefon brand Bio-Tape™ surface samplers. 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 20802001-173.

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 20802001-174.

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/M^3) and appear in Table 20802001-175.

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/M^3 and appear in Table 20802001-176.

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 14TH 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 O_3 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 CO_2 concentration was 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 a stationary location 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 ascospores, basidiospores, *Botrytis*, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Oidium*, other brown, smuts, and/or *Stemphylium*, with basidiospores predominating in both samples. Indoors, the data showed low airborne concentrations of common fungal spores that included one or more of the following: *Alternaria*, basidiospores, *Bipolaris/Drechslera* group, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Curvularia*, other brown, *Pithomyces*, rusts, smuts, and/or *Ulocladium*. 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 337 CFU/M^3 and 742 CFU/M^3 in the two samples collected, with *Cladosporium* predominating in both. Indoors, fungi were either not detected at or above the laboratory analytical detection limit of 18 CFU/M^3 or were found at levels well below those found outdoors. 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

The surface assessment data involving the samples collected from various cubicle partitions surfaces throughout the 14TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, the surface assessment data recorded from the HVAC supply air registers indicated minimal fungal growth involving *Alternaria*, *Cladosporium,* and/or *Penicillium* on seven of the eight locations sampled. Be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

4.4 Airborne Fibrous Dust

The data recorded in the surveyed areas indicated that airborne fibrous dusts were either not detected above the laboratory detection limit of 0.004 f/cc or were detected at levels ranging from 0.004 to 0.006 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, cellulosics (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.

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 0.12 and 0.13 mg/M^3. 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

4.0 DISCUSSION (CONTINUED)

4.5 Airborne Total Dust (Continued)

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/M^3, 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/M^3; the U.S. Environmental Protection Agency (EPA) National Ambient Air Quality Primary Standard of 0.26 mg/M^3 (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 424 ng/m^3 to 735 ng/m^3, 2-hexanone at levels ranging from 127 ng/m^3 to 132 ng/m^3, and 2-heptanone at levels ranging from 146 ng/m^3 to 190 ng/m^3. Microbial growth related VOCs 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 the above mentioned MVOC were found at very low levels indoors would indicate that such MVOCs were most likely not fungal growth related and attributable to 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 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.

4.8 Airborne Ozone

O_3 was not detected at or above the Dräger instrument detection limits of 0.05 ppm.

4.0 DISCUSSION (CONTINUED)

4.9 Airborne Carbon Dioxide

On April 4, 2008, the direct-reading results indicated that CO_2 was detected at levels ranging from 513 to 620 ppm on the 14TH Floor. While these data were somewhat higher than the expected outdoor CO_2 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 CO_2 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 CO_2 value) as stated in ASHRAE 62-2001.

Based on historic studies performed by HygieneTech, building occupant complaints of "stuffy" air often begin when CO_2 levels exceed 800 ppm. HygieneTech has also found that some sensitive persons may experience discomfort, including eye irritation and headache, when CO_2 levels reach 1,000 ppm. Such symptoms are not believed to be the result of an unhealthful exposure to CO_2; 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

On April 4, 2008, the air temperatures ranged between 72.46 and 75.22 degrees Fahrenheit (°F). 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 within the comfort range recommended for the summer months. Relative humidity data were recorded indoors at levels ranging from 27.2 to 29.4 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 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 assessment data involving the samples collected from various cubicle partitions surfaces throughout the 14TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, the surface assessment data recorded from the HVAC supply air registers indicated minimal fungal growth involving *Alternaria*, *Cladosporium,* and/or *Penicillium* on seven of the eight locations sampled. Be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

5.0 CONCLUSIONS (CONTINUED)

5.3 The airborne total and fibrous dust, VOC, O_3, and $C0_2$ 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 424 ng/m^3 to 735 ng/m^3, 2-hexanone at levels ranging from 127 ng/m^3 to 132 ng/m^3, and 2-heptanone at levels ranging from 146 ng/m^3 to 190 ng/m^3. Microbial growth related VOCs 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 the above mentioned MVOC were found at very low levels indoors would indicate that such MVOCs were most likely not fungal growth related and attributable to 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 On April 4, 2008, the air temperatures ranged between 72.46 and 75.22 degrees Fahrenheit (°F). 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 within the comfort range recommended for the summer months. Relative humidity data were recorded indoors at levels ranging from 27.2 to 29.4 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.

5.6 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 14TH Floor, additional assessment evaluations may be required as more information is known regarding the history of water intrusion episodes in discrete building areas.

6.0 RECOMMENDATIONS (CONTINUED)

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 Routine cleaning of the HVAC supply air registers on the 14TH Floor should be performed to preclude the build-up of dust and debris, which may potentially contribute to fungal growth on those surfaces.

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 14TH 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.

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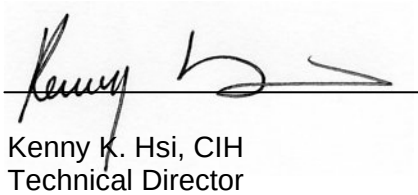
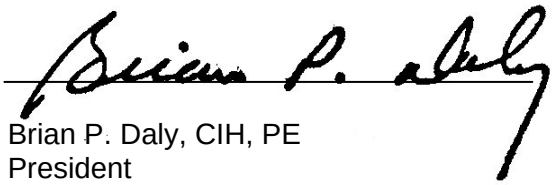


Kenny K. Hsi, CIH
Technical Director

Date: September 15, 2008



Brian P. Daly, CIH, PE
President

Date: September 15, 2008

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-171
AIRBORNE TOTAL FUNGI RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20 AND 27, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	20802001-TM143CCJL	20802001-TM144CCJL	20802001-TM145CCJL	20802001-TM146CCJL
SAMPLING LOCATION/ACTIVITIES	Room 1407; about eight feet northwest of Column L22 area; within ceiling plenum/Sampling activities only	Room 1407; Column N22 area; Cubicle 109; within ceiling plenum/Sampling activities only	Room 1407; about six feet north of Column N20; within ceiling plenum/Sampling activities only	Room 1407; Column M18 area; Cubicle 012; northwestern corner; within ceiling plenum/Sampling activities only
DATE	02-20-08	02-20-08	02-20-08	02-20-08
START/STOP	14:39:00/14:44:00	14:47:00/14:52:00	14:57:00/14:15:02	15:04:00/15:09:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			13
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	160	53	53	160
Bipolaris/Drechslera group			27	
Botrytis				
Chaetomium				
Cladosporium	53	267	160	373
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown				13
Penicillium/Aspergillus types				53
Pithomyces				13
Rusts			13	
Smuts (Periconia, Myxomycetes)		13		13
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				13
Hyphal fragments	<13	27	<13	13
Background particulates*	1+	2+	3+	2+
TOTAL**	226	333	253	651

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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14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20 AND 27, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	20802001-TM147CCJL	20802001-TM148CCJL	20802001-TM149CCJL	20802001-TM150CCJL
SAMPLING LOCATION/ACTIVITIES	Room 1407; Column M18 area; Cubicle 004; within ceiling plenum/Sampling activities only	Room 1407; Column K18 area; about three feet south of Cubicle 024; within ceiling plenum/Sampling activities only	Room 1407; about five feet south of Column K20 area; within ceiling plenum/ Sampling activities only	Room 1407; Column K22 area; Cubicle 050; within ceiling plenum/Sampling activities only
DATE	02-20-08	02-20-08	02-20-08	02-20-08
START/STOP	15:13:00/15:18:00	15:20:00/15:25:00	15:29:00/15:34:00	15:36:00/15:41:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores		53	160	107
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	213	160	107	107
Curvularia		13		
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces		13		
Rusts		13		
Smuts (Periconia, Myxomycetes)		40		
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	13	13	27	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	213	305	267	214

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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14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20 AND 27, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	20802001-TM71OUTME	20802001-TM72ME	20802001-TM73ME	20802001-TM74ME
SAMPLING LOCATION/ACTIVITIES	Outdoors; 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Room 1407; Column L22 area; about two feet south of Cubicle 145; approximately five feet above floor/Normal office activities	Room 1407; Column L22 area; about five feet east of Cubicle 78 ; approximately five feet above floor/Normal office activities	Room 1407; Column M22 area; about five feet east of Cubicle 082; approximately five feet above floor/Normal office activities
DATE	02-27-08	02-27-08	02-27-08	02-27-08
START/STOP	10:35:00/10:40:00	10:50:00/10:55:00	11:00:00/11:05:00	11:10:00/11:15:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores	587			
Aureobasidium				
Basidiospores	19,500			13
Bipolaris/Drechslera group				
Botrytis	13			
Chaetomium				
Cladosporium	160			
Curvularia				
Epicoccum	13			
Nigrospora				
Oidium				
Penicillium/Aspergillus types	427			
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	20,700	<13	<13	13

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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AIRBORNE TOTAL FUNGI RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20 AND 27, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20802001-TM75ME**	**20802001-TM76ME**	**20802001-TM77ME**	**20802001-TM78ME**
SAMPLING LOCATION/ACTIVITIES	Room 1407; Column N22 area; about five feet south of Cubicle 109; approximately five feet above floor/Normal office activities	Room 1407; Column N21 area; about two feet south of Cubicle 111; approximately five feet above floor/Normal office activities	Room 1407; Column N20 area; about four feet south of Cubicle 114; approximately five feet above floor/Normal office activities	Room 1407; Column N19 area; about two feet east of Cubicle 139;approximately five feet above floor/Normal office activities
DATE	02-27-08	02-27-08	02-27-08	02-27-08
START/STOP	11:20:00/11:25:00	11:30:00/11:35:00	11:40:00/11L:45:00	11:50:00/11:55:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				13
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown		13		
Penicillium/Aspergillus types			13	
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	<13	13	13	13

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 20802001-171
AIRBORNE TOTAL FUNGI RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20 AND 27, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	20802001-TM79ME	20802001-TM80ME	20802001-TM81ME	20802001-TM82
SAMPLING LOCATION/ACTIVITIES	Room 1407; Column N19 area; about two feet south of Cubicle 117; approximately five feet above floor/Normal office activities	Room 1407; Column N18 area; about two feet west of Cubicle 001; approximately five feet above floor/Normal office activities	Room 1407; Column M18 area; about four feet west of Cubicle 130; approximately five feet above floor/Normal office activities	Room 1407; Column K18 area; about two feet west of Cubicle 020; approximately five feet above floor/Normal office activities
DATE	02-27-08	02-27-08	02-27-08	02-27-08
START/STOP	12:00:00/12:05:00	13:05:00/13:10:00	13:15:00/13:20:00	13:25:00/13:30:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores			107	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				160
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	3+
TOTAL**	<13	<13	107	160

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 20802001-171
AIRBORNE TOTAL FUNGI RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20 AND 27, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20802001-TM83ME**	**20802001-TM84ME**	**20802001-TM85ME**	**20802001-TM86ME**
SAMPLING LOCATION/ACTIVITIES	Room 1407; column K18 area; about ten feet north of Cubicle 038; approximately five feet above floor/Normal office activities	Room 1407; Column K19 area; about three feet west of Cubicle 041; approximately five feet above floor/Normal office activities	Room 1407; Column K20 area; about ten feet north of Cubicle 044; approximately five feet above floor/Normal office activities	Room 1407; Column K21 area; about three feet south of Cubicle 054; approximately five above floor/Normal office activities
DATE	02-27-08	02-27-08	02-27-08	02-27-08
START/STOP	13:35:00/13:40:00	13:45:00/13:50:00	13:55:00/14:00:00	14:05:00/14:10:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores			53	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		160		53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	<13	160	53	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+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-171
AIRBORNE TOTAL FUNGI RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20 AND 27, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20802001-TM87ME**	**20802001-TM88OUTME**		
SAMPLING LOCATION/ACTIVITIES	Room 1407; Column K21 area; about three feet south of Cubicle 058; 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	02-27-08	02-27-08		
START/STOP	14:15:00/14:20:00	14:30:00/14:35:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores		1,110		
Aureobasidium				
Basidiospores	53	5,640		
Bipolaris/Drechslera group	13			
Botrytis		13		
Chaetomium				
Cladosporium		533		
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium		13		
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13	53		
Stemphylium		13		
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	13		
Background particulates*	2+	3+		
TOTAL**	79	7,375		

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

TABLE 20802001-172
AIRBORNE VIABLE FUNGI RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 27, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	**20802001-VM29OUTME**	**20802001-VM30ME**	**20802001-VM31ME**	**20802001-VM32ME**
SAMPLING LOCATION/ACTIVITIES	Outdoor; about 25 feet east of building; approximately five above ground/Normal outdoor activities	Room 1407; Column L22 area; about two feet south of Cubicle 145; approximately five feet above floor/Normal office activities	Room 1407; Column M22 area; about five feet east of Cubicle 082; approximately five feet above floor/Normal office activities	Room 1407; Column N22 area; about five feet south of Cubicle 109; approximately five feet above floor/Normal office activities
START/STOP	10:41:00/10:43:00	10:56:00/10:58:00	11:16:00/11:18:00	11:26:00/11:28:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria	18			
Aspergillus flavus				
Aspergillus niger				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	230			
Curvularia				
Epicoccum				
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi	53			
Others				
Paecilomyces				
Penicillium	18			
Phoma/coelomycetes	18			
Sporobolomyces				
Stachybotrys				
Torula				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	337	<18	<18	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-172
AIRBORNE VIABLE FUNGI RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 27, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	**20802001-VM33ME**	**20802001-VM34ME**	**20802001-VM35ME**	**20802001-VM36ME**
SAMPLING LOCATION/ACTIVITIES	Room 1407; Column N19 area; about two feet east of Cubicle 139;approximately five feet above floor/Normal office activities	Room 1407; Column N18 area; about two feet west of Cubicle 001; approximately five feet above floor/Normal office activities	Room 1407; column K18 area; about ten feet north of Cubicle 038; approximately five feet above floor/Normal office activities	Room 1407; Column K20 area; about ten feet north of Cubicle 044; approximately five feet above floor/Normal office activities
START/STOP	11:56:00/11:58:00	13:11:00/13:13:00	13:41:00/13:43:00	14:01:00/14:03:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Fusarium				
Memnoniella				
Myrothecium				
Non-sporulating fungi			18	
Others				
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	<18	<18	18	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-172
AIRBORNE VIABLE FUNGI RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 27, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	**20802001-VM37ME**	**20802001-VM38ME**		
SAMPLING LOCATION/ACTIVITIES	Room 1407; Column K21 area; about three feet south of Cubicle 058; 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	14:21:00/14:23:00	14:36:00/14:38:00		
SAMPLE TIME	2 minutes	2 minutes		
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		636		
Curvularia				
Epicoccum				
Fusarium				
Memnoniella				
Myrothecium				
Non-sporulating fungi		18		
Others				
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula				
Trichoderma				
Ulocladium				
Yeasts		88		
TOTAL	<18	742		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-173
SURFACE FUNGAL GROWTH POTENTIALS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20, 2008

SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20802001-TL109ME	Room 1407; west of Column K22 area; Cubicle 063; western cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL110ME	Room 1407; west of Column K21 area; Cubicle 059; northern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL111ME	Room 1407; west of Column K20; Cubicle 056; Northern cubicle partition; about center; from top horizontal surface	Moderate	None	None	None	Background
20802001-TL112ME	Room 1407; west of Column K19 area; Cubicle 029; northern cubicle partition; about center; from top horizontal surface	Moderate	Very few	None	None	Background
20802001-TL113ME	Room 1407; south of Column K21; Cubicle 054; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
20802001-TL114ME	Room 1407; south of Column K20; Cubicle 037; western cubicle partition; about center; from top horizontal surface	Moderate	Very few	None	None	Background
20802001-TL115ME	Room 1407; south of Column K19; Cubicle 034; southern cubicle partition; about center; from top horizontal surface	Light	None	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 20802001-173
SURFACE FUNGAL GROWTH POTENTIALS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20, 2008

SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20802001-TL116ME	Room 1407; east of Column K18; Cubicle 024; eastern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL117ME	Room 1407; east of Column L18 area; Cubicle 018; eastern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL118ME	Room 1407; east of Column M18; Cubicle 014; eastern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL119ME	Room 1407; east of Column N18; Cubicle 134; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
20802001-TL120ME	Room 1407; west of Column N19 area; Cubicle 128; southern partition wall; about center; from top horizontal surface	Moderate	Very few	None	None	Background
20802001-TL121ME	Room 1407; south of Column N20 area; Cubicle 135; northern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL122ME	Room 1407; west of Column N21 area; Cubicle 098; southern cubicle partition; about center; from top horizontal surface	Light	None	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 20802001-173
SURFACE FUNGAL GROWTH POTENTIALS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20, 2008

SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20802001-TL123ME	Room 1407; north of Column N19 area ; Cubicle 118; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
20802001-TL124ME	Room 1407; north of Column N20 area; Cubicle 114; southern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL125ME	Room 1407; north of Column N21; Cubicle 110; southern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL126ME	Room 1407; west of Column N22; Cubicle 095; western cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL127ME	Room 1407; west of Column M22; Cubicle 080; eastern cubicle partition; about center; from top horizontal surface	Light	None	None	None	Background
20802001-TL128ME	Room 1407; west of Column L22; Cubicle 077; eastern cubicle partition; about center; from top horizontal surface	Scant	None	None	None	Background
20802001-S33JL	Room 1407; Column L22 area; about eight feet northwest of Column L22 area; about center; ceiling; from reverse side of HVAC supply air register	Moderate	Few	<1+ *Penicillium* species (spores, hypae, conidiophores)	None	Minimal fungal growth

*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 20802001-173
SURFACE FUNGAL GROWTH POTENTIALS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20, 2008

SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20802001-S34JL	Room 1407; Column N22 area; Cubicle 109; about center; ceiling; from reverse side of HVAC supply air register	Moderate	Few	<1+ *Penicillium* species (spores, hypae, conidiophores) <1+ *Alternaria* species (spores, hypae)	None	Minimal fungal growth
20802001-S35JL	Room 1407; Column N22 area; about six feet north of Column N22; ceiling; from reverse side of HVAC supply air register	Moderate	Few	<1+ *Penicillium* species (spores, hypae, conidiophores)	None	Minimal fungal growth
20802001-S36JL	Room 1407; Column M18 area; Cubicle 012; northwestern corner; ceiling; from reverse side of HVAC supply air register	Moderate	Few	None	None	Background
20802001-S37JL	Room 1407; Column M18 area; Cubicle 004; about center; ceiling; from reverse side of HVAC supply air register	Moderate	Few	<1+ *Penicillium* species (spores, hypae, conidiophores)	None	Minimal fungal growth
20802001-S38JL	Room 1407; Column K18 area; about three feet south of Cubicle 024; ceiling; from reverse side of HVAC supply air register	Moderate	Few	<1+ *Cladosporium* species (spores, hypae) <1+ *Alternaria* species (spores, hypae)	None	Minimal fungal growth
20802001-S39JL	Room 1407; Column K20 area; about five feet south of Column K20; ceiling; from reverse side of HVAC supply air register	Moderate	Few	<1+ *Cladosporium* species (spores, hypae)	None	Minimal fungal growth
20802001-S40JL	Room 1407; Column K22 area; Cubicle 050; about center; ceiling; from reverse side of HVAC supply air register	Moderate	Few	<1+ *Cladosporium* species (spores, hypae)	None	Minimal fungal growth

*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 20802001-174
AIRBORNE FIBERS RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 11, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (f/cc)	PEL (f/cc)
Area Sample	Room 1407; Column K22 area; about one foot west of Cubicle 063; approximately six feet above floor/Normal office activities	N/A	20803001-F08ME	07:56/ 16:13	497 minutes	Fibers	**0.004**	0.1
Area Sample	Room 1407;Column; K20 area; about five feet south of Cubicle 056; approximately six feet above floor/Normal office activities	N/A	20803001-F09ME	8:14/ 16:14	480 minutes	Fibers	**0.005**	0.1
Area Sample	Room 1407; Column K18 area; about two feet south of Cubicle 022; approximately six feet above floor/Normal office activities	N/A	20803001-F10ME	8:17/ 16:54	517 minutes	Fibers	**0.006**	0.1
Area Sample	Room 1407; Column N18 area; about two feet northeast of Cubicle 134; approximately six feet above floor/Normal office activities	N/A	20803001-F11ME	8:21/ 16:58	517 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 1407; Column N20 area; about three feet west of Cubicle 127; approximately six feet above floor/Normal office activities	N/A	20803001-F12ME	8:24/ 16:59	515 minutes	Fibers	**0.006**	0.1
Area Sample	Room 1407; Column N22 area; about two feet south Cubicle 109; approximately six feet above floor/Normal office activities	N/A	20803001-F13ME	8:28/ 17:00	512 minutes	Fibers	**0.005**	0.1
Area Sample	Room 1407; Column L22 area; about 20 feet east of Cubicle 078; approximately six feet above floor/Normal office activities	N/A	20803001-F14ME	8:39/ 17:02	503 minutes	Fibers	**<0.004**	0.1
Blank	N/A	N/A	20803001-F45BLANKME	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 20802001-175
AIRBORNE TOTAL DUST RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 26, 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 1407;Column K22 area; southwest corner adjacent to Cubicle 074; approximately six feet above floor/Normal office activities	N/A	20802001-TD11ME	9:35/ 16:43	428 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column K20 area; about 10 feet north of Cubicle 044; approximately six feet above floor/Normal office activities	N/A	20802001-TD12ME	9:40/ 16:41	421 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column K18 area; southeast corner; approximately six feet above floor/Normal office activities	N/A	20802001-TD13ME	9:41/ 16:48	427 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column L18 area; Cubicle 018; about center; approximately six feet above floor/Normal office activities	N/A	20802001-TD14ME	9:44/ 16:51	427 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column M18 area; northeast corner; Cubicle 001; about center; approximately six feet above floor/Normal office activities	N/A	20802001-TD15ME	9:46/ 16:57	431 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column N19 area; northeast corner; Cubicle 118 about center; approximately six feet above floor/Normal office activities	N/A	20802001-TD16ME	9:53/ 17:00	427 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column N20 area; approximately three feet south of Cubicle 114; approximately six feet above floor/Normal office activities	N/A	20802001-TD17ME	9:56/ 17:04	428 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column N22 area; northwest corner; Cubicle 109; about center; approximately six feet above floor/Normal office activities	N/A	20802001-TD18ME	10:05/ 17:07	422 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column M22 area; northwest corner; Cubicle 082; about center; approximately six feet above floor/Normal office activities	N/A	20802001-TD19ME	10:21/ 17:08	407 minutes	Total dust	**<0.12**	10
Area Sample	Room 1407; Column L22 area; about center; approximately six feet above floor/Normal office activities	N/A	20802001-TD20ME	10:42/ 17:10	388 minutes	Total dust	**<0.13**	10
Blank	N/A	N/A	20802001-TD101BLKME	N/A	N/A	Total dust	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
mg/M^3: Milligrams per cubic meter

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-176
MICROBIAL VOLATILE ORGANIC COMPOUNDS
14TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 25, 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 1407; about five feet south of Column K20 area; approximately six feet above floor/Normal office activities	N/A	20803001-M09JL	13:27/ 15:03	96 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol (309)	**534 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	**132 x10^{-6}**	410
						2-Heptanone	**190 x10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	N/A
						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-3-1(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
mg/M^3: 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 20802001-176
MICROBIAL VOLATILE ORGANIC COMPOUNDS
14TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 25, 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 1407;Column L18 area; about two feet east of Cubicle 018; approximately six feet above floor/Normal office activities	N/A	20803001-M10JL	13:30/ 15:06	96 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**424 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	**130 x10^{-6}**	410
						2-Heptanone	**153 x10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	N/A
						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-3-1(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
mg/M^3: Milligrams per cubic meter
nd: Not detected

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APPENDIX A

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Sacramento, California 94279

TABLE 20802001-176
MICROBIAL VOLATILE ORGANIC COMPOUNDS
14TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 25, 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 1407; Column N20 area; about five feet north of Column N20; approximately six feet above floor/Normal office activities	N/A	20803001-M11JL	13:33/ 15:07	94 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**nd**	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	**nd**	410
						2-Heptanone	**nd**	468
						5-Methyl-3-heptanone	**nd**	N/A
						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-3-1(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
mg/M^3: 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 20802001-176
MICROBIAL VOLATILE ORGANIC COMPOUNDS
14TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 25, 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 1407; Column L22; about three feet east of Cubicle 078; approximately six feet above floor/Normal office activities	N/A	20803001-M12JL	13:36/ 15:09	93 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**735 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	**127 x10^{-6}**	410
						2-Heptanone	**146 x10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	N/A
						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-3-1(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
mg/M^3: 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 20802001-177
DIRECT-READING RESULTS
14TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20, 2008

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
Room 1407; southwestern corner; Column K22 area; about five feet southeast of Cubicle 063; approximately five feet above floor/Normal office activities	10:44/10:52	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A
Room 1407; Column M22 area; about fifteen northwest of Column M22; approximately five feet above floor/Normal office activities	11:00/11:04	Volatile Organic Compounds Ozone	ND <0.1 ND < 0.05	N/A
Room 1407; northeastern corner; Column N18 area; approximately five feet above floor/Normal office activities	11:08/11:13	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A
Room 1407; southeastern corner; Column K18 area; approximately five feet above floor/Normal office activities	11:18/11:22	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A

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: 20802001
EML ID: 394501

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 03-05-2008
Spore trap analysis: 03-05-2008

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

EMLab P&K
5473 Kearny Villa Road, Suite 130, San Diego, CA 92123
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM71outME		20802001-TM72ME		20802001-TM73ME		20802001-TM74ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1732088-1		1732089-1		1732090-1		1732091-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	11	587						
Aureobasidium								
Basidiospores*	366	19,500					1	13
Bipolaris/Drechslera group								
Botrytis	1	13						
Chaetomium								
Cladosporium	3	160						
Curvularia								
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	8	427						
Pithomyces								
Rusts*								
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+)	None		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		20,700		< 13		< 13		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 then 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.

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C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM75ME		20802001-TM76ME		20802001-TM77ME		20802001-TM78ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1732092-1		1732093-1		1732094-1		1732095-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group							1	13
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown			1	13				
Other colorless								
Penicillium/Aspergillus types†					1	13		
Pithomyces								
Rusts*								
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		< 13		13		13		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.
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Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM79ME		20802001-TM80ME		20802001-TM81ME		20802001-TM82ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1732096-1		1732097-1		1732098-1		1732099-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*					2	107		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium							3	160
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		3+	
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		< 13		< 13		107		160

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.
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Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM83ME		20802001-TM84ME		20802001-TM85ME		20802001-TM86ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1732100-1		1732101-1		1732102-1		1732103-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*					1	53		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			3	160			1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
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		< 13		160		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.
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Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM87ME		20802001-TM88outME	
Comments (see below)	None		None	
Lab ID-Version‡:	1732104-1		1732105-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*			23	1,110
Aureobasidium				
Basidiospores*	1	53	108	5,640
Bipolaris/Drechslera group	1	13		
Botrytis			1	13
Chaetomium				
Cladosporium			10	533
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium			1	13
Other brown				
Other colorless				
Penicillium/Aspergillus types†				
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*	1	13	4	53
Stachybotrys				
Stemphylium			1	13
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		3+	
Hyphal fragments/m3	< 13		13	
Pollen/m3	< 13		120	
Skin cells (1-4+)	1+		None	
Sample volume (liters)	75		75	
TOTAL SPORE/m3		79		7,375

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.
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Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20802001-TM71outME

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: February				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	19	190	35	7	27	230	60
Bipolaris/Drechslera group	-	7	13	160	10	7	13	120	14
Chaetomium	-	7	13	130	7	7	13	110	19
Cladosporium	160	27	290	4,300	89	53	640	6,500	98
Curvularia	-	7	13	340	8	7	13	210	7
Epicoccum	13	7	13	240	14	7	13	160	21
Nigrospora	-	7	13	140	8	7	13	170	8
Penicillium/Aspergillus types	427	27	160	1,700	84	40	210	2,500	89
Stachybotrys	-	7	13	370	3	7	13	330	5
Stemphylium	-	7	13	80	4	7	13	67	10
Torula	-	7	13	230	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	587	13	110	2,200	67	13	110	1,800	73
Basidiospores	19,500	13	270	8,600	87	13	270	6,900	95
Botrytis	13	7	16	230	12	7	20	200	21
Oidium	-	7	13	170	9	7	13	200	20
Rusts	-	7	13	240	11	7	13	270	29
Smuts, Periconia, Myxomycetes	-	7	27	270	53	8	40	480	71
TOTAL SPORES/M3	20,700								

† 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.

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20802001-TM88outME

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: February				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	19	190	35	7	27	230	60
Bipolaris/Drechslera group	-	7	13	160	10	7	13	120	14
Chaetomium	-	7	13	130	7	7	13	110	19
Cladosporium	533	27	290	4,300	89	53	640	6,500	98
Curvularia	-	7	13	340	8	7	13	210	7
Epicoccum	-	7	13	240	14	7	13	160	21
Nigrospora	-	7	13	140	8	7	13	170	8
Penicillium/Aspergillus types	-	27	160	1,700	84	40	210	2,500	89
Stachybotrys	-	7	13	370	3	7	13	330	5
Stemphylium	13	7	13	80	4	7	13	67	10
Torula	-	7	13	230	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	1,110	13	110	2,200	67	13	110	1,800	73
Basidiospores	5,640	13	270	8,600	87	13	270	6,900	95
Botrytis	13	7	16	230	12	7	20	200	21
Oidium	13	7	13	170	9	7	13	200	20
Rusts	-	7	13	240	11	7	13	270	29
Smuts, Periconia, Myxomycetes	53	7	27	270	53	8	40	480	71
TOTAL SPORES/M3	7,375								

† 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.

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Date of Report: 03-05-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20802001-TM71outME:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	587	13 - 160 - 4,200	76
Basidiospores	19,500	13 - 320 - 14,000	92
Botrytis	13	7 - 20 - 210	13
Cladosporium	160	40 - 530 - 8,500	95
Epicoccum	13	7 - 13 - 320	24
Penicillium/Aspergillus types	427	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	ND	7 - 40 - 760	70
Total	20,700		

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

Indoor Samples

Location: 20802001-TM72ME

% 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: 4.2794 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: 20802001-TM73ME

% 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: 4.2794 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

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM74ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7286 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	13
Total	13

Location: 20802001-TM75ME

% 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: 4.2794 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: 20802001-TM76ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 7 Result: -0.0536 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	13
Total	13

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM77ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.3857 Critical value: 0.7714 Outside Similar: No	Score: 102 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Penicillium/Aspergillus types				13
Total				13

Location: 20802001-TM78ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 7 Result: -0.0536 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Bipolaris/Drechslera group				13
Total				13

Location: 20802001-TM79ME

% 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: 4.2794 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

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM80ME

% 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: 4.2794 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: 20802001-TM81ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7286 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	107
Total	107

Location: 20802001-TM82ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.2143 Critical value: 0.7714 Outside Similar: No	Score: 110 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	160
Total	160

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM83ME

% 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: 4.2794 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: 20802001-TM84ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.2143 Critical value: 0.7714 Outside Similar: No	Score: 110 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	160
Total	160

Location: 20802001-TM85ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.7286 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Total	53

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM86ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.2143 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Total	53

Location: 20802001-TM87ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.0536 Critical value: 0.6190 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Bipolaris/Drechslera group	13
Smuts, Periconia, Myxomycetes	13
Total	79

* 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.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

**** 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&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20802001-TM88outME:

Species detected	Outdoor sample spores/m3 <100 1K 10K >100K	Typical outdoor ranges (North America)	Freq. %
Ascospores	1,110	13 - 160 - 4,200	76
Basidiospores	5,640	13 - 320 - 14,000	92
Botrytis	13	7 - 20 - 210	13
Cladosporium	533	40 - 530 - 8,500	95
Oidium	13	7 - 13 - 230	15
Penicillium/Aspergillus types	ND	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	53	7 - 40 - 760	70
Stemphylium	13	7 - 13 - 67	6
Total	7,375		

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

Indoor Samples

Location: 20802001-TM72ME

% 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: 4.2794 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: 20802001-TM73ME

% 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: 4.2794 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

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM74ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.7232 Critical value: 0.6786 Outside Similar: Yes	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	13
Total	13

Location: 20802001-TM75ME

% 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: 4.2794 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: 20802001-TM76ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 8 Result: 0.0238 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	13
Total	13

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Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM77ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 8 Result: 0.0238 Critical value: 0.6190 Outside Similar: No	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	13
Total	13

Location: 20802001-TM78ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 8 Result: 0.0238 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Bipolaris/Drechslera group	13
Total	13

Location: 20802001-TM79ME

% 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: 4.2794 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

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM80ME

% 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: 4.2794 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: 20802001-TM81ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.7232 Critical value: 0.6786 Outside Similar: Yes	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	107
Total	107

Location: 20802001-TM82ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.4732 Critical value: 0.6786 Outside Similar: No	Score: 109 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	160
Total	160

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Date of Report: 03-05-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM83ME

% 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: 4.2794 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: 20802001-TM84ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.4732 Critical value: 0.6786 Outside Similar: No	Score: 109 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	160
Total	160

Location: 20802001-TM85ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.7232 Critical value: 0.6786 Outside Similar: Yes	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Total	53

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM86ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.4732 Critical value: 0.6786 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Total	53

Location: 20802001-TM87ME

% 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: 4.2794 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.3155 Critical value: 0.6190 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Bipolaris/Drechslera group	13
Smuts, Periconia, Myxomycetes	13
Total	79

* 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.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

**** 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&Kreserves 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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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20802001-TM71outME

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		3	160
Curvularia		ND	< 13
Epicoccum		1	13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		8	427
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		11	587
Basidiospores††		366	19,500
Botrytis		1	13
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		ND	< 13
Total			**20,700**

Location: 20802001-TM72ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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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MoldSCORE™: Spore Trap Report

Location: 20802001-TM73ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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: 20802001-TM74ME

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

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM75ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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: 20802001-TM76ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
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			**13**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM77ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	13		102
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			**13**	**Final MoldSCORE**	**102**

Location: 20802001-TM78ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		1	13		105
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			**13**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM79ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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: 20802001-TM80ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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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MoldSCORE™: Spore Trap Report

Location: 20802001-TM81ME

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

Location: 20802001-TM82ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		3	160		110
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			**160**	**Final MoldSCORE**	**110**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM83ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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: 20802001-TM84ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		3	160		110
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			**160**	**Final MoldSCORE**	**110**

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM85ME

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

Location: 20802001-TM86ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**103**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM87ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		1	13		105
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††		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		1	13		103
Total			**79**	**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.

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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20802001-TM88outME

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		10	533
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		ND	< 13
Stachybotrys		ND	< 13
Stemphylium		1	13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		23	1,110
Basidiospores††		108	5,640
Botrytis		1	13
Oidium		1	13
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		4	53
Total			**7,375**

Location: 20802001-TM72ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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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MoldSCORE™: Spore Trap Report

Location: 20802001-TM73ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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: 20802001-TM74ME

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

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM75ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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: 20802001-TM76ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
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			**13**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM77ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	13		102
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			**13**	**Final MoldSCORE**	**102**

Location: 20802001-TM78ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		1	13		105
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			**13**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM79ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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: 20802001-TM80ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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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MoldSCORE™: Spore Trap Report

Location: 20802001-TM81ME

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

Location: 20802001-TM82ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		3	160		109
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			**160**	**Final MoldSCORE**	**109**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM83ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		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: 20802001-TM84ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		3	160		109
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			**160**	**Final MoldSCORE**	**109**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM85ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		101
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**101**

Location: 20802001-TM86ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**103**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM87ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		1	13		105
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††		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		1	13		102
Total			**79**	**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: 20802001
EML ID: 394501

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 03-05-2008

Project SOPs: Culturable air fungi (Incl. Asp spp.) (I100002)

EMLab P&K
5473 Kearny Villa Road, Suite 130, San Diego, CA 92123
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM29outME		20802001-VM30ME		20802001-VM31ME		20802001-VM32ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1732078-1		1732079-1		1732080-1		1732081-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria	1	18						
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger								
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	13	230						
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi	3	53						
Paecilomyces								
Penicillium	1	18						
Phoma								
Phoma/coelomycetes	1	18						
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		337		< 18		< 18		< 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.

EMLab P&K
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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM33ME		20802001-VM34ME		20802001-VM35ME		20802001-VM36ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1732082-1		1732083-1		1732084-1		1732085-1	
	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								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi					1	18		
Paecilomyces								
Penicillium								
Phoma								
Phoma/coelomycetes								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		< 18		< 18		18		< 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.

EMLab P&K
5473 Kearny Villa Road, Suite 130, San Diego, CA 92123
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-27-2008
Date of Receipt: 02-29-2008
Date of Report: 03-05-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM37ME		20802001-VM38outME	
Comments (see below)	None		None	
Lab ID-Version‡:	1732086-1		1732087-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus fumigatus				
Aspergillus nidulans				
Aspergillus niger				
Aspergillus ochraceus				
Aspergillus versicolor				
Aureobasidium				
Basidiomycetes				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			34	636
Curvularia				
Epicoccum				
Fusarium				
Non-sporulating fungi			1	18
Paecilomyces				
Penicillium				
Phoma				
Phoma/coelomycetes				
Rhizopus				
Stachybotrys chartarum				
Ulocladium				
Yeasts			5	88
Positive Hole	400		400	
Sample volume (liters)	56.6		56.6	
TOTAL CFU*/M3		< 18		742

* 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.

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: 20802001 Date Submitted: 2/28/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EML Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TM71OUTME	75L	Allergen D	Total Mold Assessment
TM72ME			
TM73ME			
TM74ME			
TM75ME			
TM76ME			
TM77ME			
TM78ME			
TM79ME			
TM80ME			
TM81ME			
TM82ME			
TM83ME			
TM84ME			
TM85ME			
TM86ME			

Special Instructions:

1. **Sampled by:** Melissa Ea 2/27/08 17:00 **Received by:** 2/27/08 17:00
2. **Relinquished by:** 2/28/08 10:00 **Received by:** 2/28/08 10:30
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only:

10435

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: 20802001 Date Submitted: 2/26/08

Project Contact: Wei Feng Turnaround Required: Standard

Lab Destination: EMLab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-IM87MF	75L	Aggregated	Total Mold Assessment
↓ -IM88OUTDOOR	↓	↓	↓
20802001-VM29OUTDOOR	56.6L	MEA	Viable Fungi - ID
-VM30MF			
-VM31MF			
-VM32MF			
-VM33MF			
-VM34MF			
-VM35MF			
-VM36MF			
-VM37MF			
-VM38OUTDOOR			

Special Instructions:

1. Sampled by: Mark Fa 2/27/08 17:00 Received by: 2/27/08 17:00
2. Relinquished by: 2/28/08 10:30 Received by: 2/29/08 10:30
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only:

34501

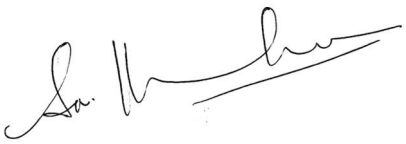
EMLab P&K

Report for:

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

Regarding: Project: 20802001
EML ID: 391401

Approved by:



Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Direct microscopic exam (Qualitative): 02-26-2008
Spore trap analysis: 02-26-2008

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

EMLab P&K
3800 Watt Ave., Suite 145, Sacramento, CA 95821
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-20-2008
Date of Receipt: 02-21-2008
Date of Report: 02-26-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM143CCJL		20802001-TM144CCJL		20802001-TM145CCJL		20802001-TM146CCJL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1718384-1		1718385-1		1718386-1		1718387-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13					1	13
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	3	160	1	53	1	53	3	160
Bipolaris/Drechslera group					2	27		
Botrytis								
Chaetomium								
Cladosporium	1	53	5	267	3	160	7	373
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown							1	13
Other colorless								
Penicillium/Aspergillus types†							1	53
Pithomyces							1	13
Rusts*					1	13		
Smuts*, Periconia, Myxomycetes*			1	13			1	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium							1	13
Zygomycetes								
Background debris (1-4+)††	1+		2+		3+		2+	
Hyphal fragments/m3	< 13		27		< 13		13	
Pollen/m3	< 13		13		13		27	
Skin cells (1-4+)	1+		1+		3+		2+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		226		333		253		651

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 then 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.

EMLab P&K
3800 Watt Ave., Suite 145, Sacramento, CA 95821
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-20-2008
Date of Receipt: 02-21-2008
Date of Report: 02-26-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM147CCJL		20802001-TM148CCJL		20802001-TM149CCJL		20802001-TM150CCJL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1718388-1		1718389-1		1718390-1		1718391-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13				
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			1	53	3	160	2	107
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	4	213	3	160	2	107	2	107
Curvularia			1	13				
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces			1	13				
Rusts*			1	13				
Smuts*, Periconia, Myxomycetes*			3	40				
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	13		13		27		< 13	
Pollen/m3	27		13		< 13		< 13	
Skin cells (1-4+)	2+		2+		2+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		213		305		267		214

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 then 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.

EMLab P&K
3800 Watt Ave., Suite 145, Sacramento, CA 95821
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-20-2008
Date of Receipt: 02-21-2008
Date of Report: 02-26-2008

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‡: 1718376-1: Swab sample 20802001-S33JL				
Moderate	Few	< 1+ *Penicillium* species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 1718377-1: Swab sample 20802001-S34JL				
Moderate	Few	< 1+ *Penicillium* species (spores, hyphae, conidiophores) < 1+ *Alternaria* species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1718378-1: Swab sample 20802001-S35JL				
Moderate	Few	< 1+ *Penicillium* species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 1718379-1: Swab sample 20802001-S36JL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 1718380-1: Swab sample 20802001-S37JL				
Moderate	Few	< 1+ *Penicillium* species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 1718381-1: Swab sample 20802001-S38JL				
Moderate	Few	< 1+ *Cladosporium* species (spores, hyphae) < 1+ *Alternaria* species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1718382-1: Swab sample 20802001-S39JL				
Moderate	Few	< 1+ *Cladosporium* species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1718383-1: Swab sample 20802001-S40JL				
Moderate	Few	< 1+ *Cladosporium* species (spores, hyphae)	None	Minimal mold growth

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

HYGIENE TECH
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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: 20802001 Date Submitted: 2/21/08

Project Contact: Wes Frey Turnaround Required: standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-S33JL	N/A	Swab	surface fungi ID qualitative
-S34JL	↓	↓	↓
-S35JL			
-S36JL			
-S37JL			
-S38JL			
-S39JL			
-S40JL	↓	↓	↓
-TM143CCJL	75L	allergenco D	Total fungi ID
-TM144CCJL	↓	↓	↓
-TM145CCJL			
-TM146CCJL			
-TM147CCJL			
-TM149CCJL			
-TM148CCJL			
-TM150CCJL	↓	↓	↓

Special Instructions:

1. **Sampled by:** John Le 2/20/08 **Received by:** 2/20/08
2. **Relinquished by:** 2/21/08 **Received by:** 2/22/08
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only:

EMLab P&K

Report for:

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

Regarding: Project: 20802001
EML ID: 391390

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Direct microscopic exam (Qualitative): 02-26-2008

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

EMLab P&K
1010 N Central Avenue, Glendale, CA 91202
(858) 569-5800 Fax (858) 569-5806 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-20-2008
Date of Receipt: 02-21-2008
Date of Report: 02-26-2008

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‡: 1718117-1: Tape sample 20802001-TL109ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718118-1: Tape sample 20802001-TL110ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718119-1: Tape sample 20802001-TL111ME				
Moderate	None	None	None	No mold spores detected
Lab ID-Version: 1718120-1: Tape sample 20802001-TL112ME				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1718121-1: Tape sample 20802001-TL113ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1718122-1: Tape sample 20802001-TL114ME				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1718123-1: Tape sample 20802001-TL115ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718124-1: Tape sample 20802001-TL116ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718125-1: Tape sample 20802001-TL117ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718126-1: Tape sample 20802001-TL118ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718127-1: Tape sample 20802001-TL119ME				
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‡: 1718128-1: Tape sample 20802001-TL120ME				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1718129-1: Tape sample 20802001-TL121ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718130-1: Tape sample 20802001-TL122ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718131-1: Tape sample 20802001-TL123ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1718132-1: Tape sample 20802001-TL124ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718133-1: Tape sample 20802001-TL125ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718134-1: Tape sample 20802001-TL126ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718135-1: Tape sample 20802001-TL127ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718136-1: Tape sample 20802001-TL128ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718137-1: Tape sample 20802001-TL129ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718138-1: Tape sample 20802001-TL130ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1718139-1: Tape sample 20802001-TL131ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718140-1: Tape sample 20802001-TL132ME				
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‡: 1718141-1: Tape sample 20802001-TL133ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718142-1: Tape sample 20802001-TL134ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718143-1: Tape sample 20802001-TL135ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718144-1: Tape sample 20802001-TL136ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718145-1: Tape sample 20802001-TL137ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718146-1: Tape sample 20802001-TL138ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718147-1: Tape sample 20802001-TL139ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718148-1: Tape sample 20802001-TL40ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718149-1: Tape sample 20802001-TL141ME				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1718150-1: Tape sample 20802001-TL142ME				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 1718151-1: Tape sample 20802001-TL143ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718152-1: Tape sample 20802001-TL144ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718153-1: Tape sample 20802001-TL145ME				
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‡: 1718154-1: Tape sample 20802001-TL146ME				
Light	None	None	None	No mold spores detected
Lab ID-Version: 1718155-1: Tape sample 20802001-TL147ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1718156-1: Tape sample 20802001-TL148ME				
Moderate	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: 20802.001 Date Submitted: 2/21/08

Project Contact: wes Frey Turnaround Required: Standard

Lab Destination: EML Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TL109ME	N/A	Bio Tape	Surface Fungi ID
-TL110ME			
-TL111ME			
-TL112ME			
-TL113ME			
-TL114ME			
-TL115ME			
-TL116ME			
-TL117ME			
-TL118ME			
-TL119ME			
-TL120ME			
-TL121ME			
-TL122ME			
-TL123ME			
-TL124ME			

Special Instructions:

1. Sampled by: Makka Em 2/20/08 17:00 Received by: 2/20/08 5:00
2. Relinquished by: 2/21/08 7:00 Received by:
3. Relinquished by: Received by: FedEx 8022 2080 1000

Please include signature, date, and time

Lab Use Only:

38150

HYGIENE TECH
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3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
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(310) 370-2474 FAX
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Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/21/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EML Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001 - TL125ME	N/A	Bio Tape	Surface Fungi ID
- TL126ME			
- TL127ME			
- TL128ME			
- TL129ME			
TL130ME			
TL131ME			
TL132ME			
TL133ME			
TL134ME			
TL135ME			
TL136ME			
TL137ME			
TL138ME			
TL139ME			
TL140ME			

Special Instructions:

1. Sampled by: Makka Em 2/20/08 17:00 Received by: GL 2/20/08 9:00
2. Relinquished by: GL 2/21/08 900 Received by: [illegible] 2/21/08 9:45
3. Relinquished by: Received by: [illegible] 2/22/08 1000

Please include signature, date, and time

Lab Use Only:

37130

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(310) 370-2474 FAX
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Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/21/08

Project Contact: [redacted] Wes Frey Turnaround Required: Standard

Lab Destination: EML Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001 – TL141ME	N/A	BioTape	Surface fungi ID
– TL142ME			
– TL143ME			
– TL144ME			
– TL145ME			
– TL146ME			
– TL147ME			
– TL148ME			

Special Instructions:

1. Sampled by: Mike Em 2/20/08 17:00 Received by: [redacted] 2/20/08 5:00
2. Relinquished by: 2/21/08 9:00 Received by: [redacted] 2/21/08 9:45
3. Relinquished by: Received by: Jennifer Forzato 2/21/08 1000

Please include signature, date, and time

Lab Use Only:

291340