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July 3, 2008

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

Document No. 20802001.12 Revised

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
20TH 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 20TH 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 – 20TH 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

JULY 3, 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 20TH 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 20TH 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 20TH Floor included, but were not limited to, metal window frames; painted gypsum board and/or metal window sills; 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 20802001-121 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 each 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 20802001-115.

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 20802001-116.

3.3 Surface Fungal Growth Potentials

Surface samples were collected for fungal growth assessment using Scotch® brand cellophane tape segments affixed to microscope slides. Additionally, surface fungi samples were collected from various heating, ventilating, and air conditioning (HVAC) supply air register surfaces using Healthlink® Transporters™ (Rayon tipped swabs immersed in 0.5 ml modified Stuart's transport medium). These data are presented in Table 20802001-117.

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 20802001-118.

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 20802001-119.

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 20802001-120.

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 20TH 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 basidiospores and/or colorless spores typical of *Penicillium* and *Aspergillus* species, with basidiospores predominating in both samples. Indoors, the ambient data showed low airborne concentrations of common fungal spores that included one or more of the following: ascospores, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, and/or other brown spores. The overall spore counts within the tested areas were well below the overall data recorded outdoors. Additionally, the air samples collected within the ceiling plenums indicated low levels of *Alternaria*, basidiospores, *Cladosporium*, other brown, rust, smuts, *Stachybotrys*, and/or *Trichocladium*. Note that the minimal detectable level of *Stachybotrys* in one sample was likely an anomaly 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.

4.0 DISCUSSION (CONTINUED)

4.2 Airborne Viable Fungi

The viable fungi data recorded outdoors showed overall levels of 194 CFU/M^3 and 124 CFU/M^3 in two outdoors samples, with *Penicillium* and *Aspergillus niger* predominating in the respective samples. Indoors, low levels of common fungi were found, including *Aspergillus niger*, *Epicoccum*, non-sporulating fungi, *Paecilomyces*, and/or yeasts. Again, the data recorded were unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

4.3 Surface Fungal Growth Potentials

The surface assessment data involving the samples collected from various cubicle partitions and other surfaces throughout the 20TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, the surface assessment data from the samples collected from the HVAC supply air registers indicated fungal growth involving *Cladosporium* on one of the eight locations sampled. Additionally, heavy amounts of myxomycetes spores were detected on another HVAC ceiling register surface. 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 at or above the laboratory detection limit of 0.004 f/cc or were detected at levels ranging from 0.004 to 0.007 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 laboratory analytical detection limit of 0.17 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 or passing through the

4.0 DISCUSSION (CONTINUED)

4.5 Airborne Total Dust (Continued)

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 3-Methylfuran at levels ranging from 26 ng/m^3 to 43 ng/m^3, 1-butanol at levels ranging from 196 ng/m^3 to 379 ng/m^3, 2-Pentanol at levels ranging from not detected to 139 ng/m^3, 2-Hexanone at levels ranging from 50 ng/m^3 to 82 ng/m^3, and 2-Heptanone at levels ranging from 81 ng/m^3 to 139 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 either not detected at or above the instrument detection limit of 0.1 ppm or were detected at 0.5 and 0.8 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

The direct-reading results indicated that CO_2 was detected at levels ranging from 493 to 620 ppm on the 20th 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

Air temperatures ranged between 73.84 and 77.31 degrees Fahrenheit (°F) on the survey date. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were generally higher than the comfort range recommended for the winter months.

Relative humidity data were recorded indoors at levels ranging from 23.4 to 23.7 percent. Such levels were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.0 CONCLUSIONS

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

5.2 The surface assessment data involving the samples collected from various cubicle partitions and other surfaces throughout the 20TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, the surface assessment data involving the samples collected from the HVAC supply air registers indicated fungal growth involving *Cladosporium* on one of the eight locations sampled. Additionally, heavy amounts of myxomycetes spores were detected on another HVAC ceiling register surface. Be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of

5.0 CONCLUSIONS (CONTINUED)

all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

5.3 The airborne total and fibrous dust, VOC, and O_3 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 3-Methylfuran at levels ranging from 26 ng/m^3 to 43 ng/m^3, 1-butanol at levels ranging from 196 ng/m^3 to 379 ng/m^3, 2-Pentanol at levels ranging from not detected to 139 ng/m^3, 2-Hexanone at levels ranging from 50 ng/m^3 to 82 ng/m^3, and 2-Heptanone at levels ranging from 81 ng/m^3 to 139 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 Air temperatures ranged between 73.84 and 77.31 degrees Fahrenheit (°F) on the survey date. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were generally higher than the comfort range recommended for the winter months. Relative humidity data were recorded indoors at levels ranging from 23.4 to 23.7 percent, levels that were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.6 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 20TH 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 20TH 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 Air temperatures and relative humidity levels on the 20TH Floor should be adjusted to the appropriate ranges recommended by ASHRAE for occupant comfort.

6.4 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 20TH Floor do experience non-specific ill effects of unknown etiology, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If more information becomes available, further investigation and air monitoring may be warranted.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH
Technical Director

Date: July 3, 2008

Brian P. Daly, CIH, PE
President

Date: July 3, 2008

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-115
AIRBORNE TOTAL FUNGI RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

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

SAMPLE NUMBER	20802001-TM17CCAR	20802001-TM18CCAR	20802001-TM19CCAR	20802001-TM20CCAR
SAMPLING LOCATION/ACTIVITIES	Room 2002; Column M18 area; Cubicle 004; within ceiling plenum/Sampling activities only	Room 2002; Column M18 area; Cubicle 118; within ceiling plenum/Sampling activities only	Room 2002; Column N19 area; Cubicle 111; within ceiling plenum/Sampling activities only	Room 2002; Column N21 area; Cubicle 80; about center; within ceiling plenum/ Sampling activities only
DATE	2-7-08	2-7-08	2-7-08	2-7-08
START/STOP	13:45:00/13:50:00	13:53:00/13:58:00	14:00:00/14:05:00	14:08:00/14:13:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria			13	
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	27			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53		53	
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown	13			
Penicillium/Aspergillus types				160
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Trichocladium			13	
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	93	<13	79	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+.

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20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

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

SAMPLE NUMBER	**20802001-TM21CCAR**	**20802001-TM22CCAR**	**20802001-TM23CCAR**	**20802001-TM24CCAR**
SAMPLING LOCATION/ACTIVITIES	Room 2002; Area between Columns L22 and M22; about center; within ceiling plenum/Sampling activities only	Room 2002; Column K22 area; Cubicle 57; within ceiling plenum/Sampling activities only	Room 2002; about four feet south of Column K20; within ceiling plenum/Sampling activities only	Room 2002; Column K18 area; Cubicle 43; within ceiling plenum/Sampling activities only
DATE	2-7-08	2-7-08	2-7-08	2-7-08
START/STOP	14:16:00/14:21:00	14:45:00/14:50:00	15:00:00/15:05:00	15:08:00/15:13:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores		13		27
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				213
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown	13			
Penicillium/Aspergillus types			53	
Pithomyces				
Rusts	13	13		13
Smuts (Periconia, Myxomycetes)	13			13
Stachybotrys	13			
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	13
Background particulates*	2+	2+	2+	3+
TOTAL**	52	26	53	266

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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20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

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

SAMPLE NUMBER	20802001-TM19OUTAR	20802001-TM20AR	20802001-TM21AR	20802001-TM22AR
SAMPLING LOCATION/ACTIVITIES	Outdoor; 23rd Floor; western deck; about center; approximately five feet above deck/Normal outdoor activities	Room 2002; Area between Column M22 and L22; about center; approximately five feet above floor/Normal office activities	Room 2002; Column L22 area; about five feet east of Cubicle 68; approximately five feet above floor/Normal office activities	Room 2002; about five feet west of Column K21; approximately five feet above floor/Normal office activities
DATE	2-8-08	2-8-08	2-8-08	2-8-08
START/STOP	9:35:00/9:40:00	09:55:00/10:00:00	9:58:00/10:03:00	10:00:00/10:05:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores		53		
Aureobasidium				
Basidiospores	2,350	53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown		13		
Penicillium/Aspergillus types			53	
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Trichocladium				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	2,350	119	53	<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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20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

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

SAMPLE NUMBER	20802001-TM23AR	20802001-TM24AR	20802001-TM25AR	20802001-TM26AR
SAMPLING LOCATION/ACTIVITIES	Room 2002; Column K20 area; Cubicle 23; approximately five feet above floor/Normal office activities	Room 2002; Column K19 area; Cubicle 48; northern partition counter top; approximately five feet above floor/Normal office activities	Room 2002; Column K19 area; Cubicle 40; about center; approximately five feet above floor/Normal office activities	Room 2002; hallway adjacent to Column K18; approximately five feet above floor/Normal office activities
DATE	2-8-08	2-8-08	2-8-08	2-8-08
START/STOP	10:03:00/10:08:00	10:04:00/10:09:00	10:14:00/10:19:00	10:15:00/10:20:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		53		
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Trichocladium				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	1+	2+
TOTAL**	<13	53	<13	53

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-115
AIRBORNE TOTAL FUNGI RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

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

SAMPLE NUMBER	**20802001-TM27AR**	**20802001-TM28AR**	**20802001-TM29AR**	**20802001-TM30AR**
SAMPLING LOCATION/ACTIVITIES	Room 2002; Column K18 area; Cubicle 11; approximately five feet above floor/Normal office activities	Room 2002; Column L18 area; Cubicle 5; about center; approximately five feet above floor/Normal office activities	Room 2002; Column M18 area; Cubicle 2; about center; approximately five feet above floor/Normal office activities	Room 2002; Column N18 area; print station; about center; approximately five feet above floor/Normal office activities
DATE	2-8-08	2-8-08	2-8-08	2-8-08
START/STOP	10:21:00/10:26:00	10:21:00/10:26:00	10:28:00/10:33:00	10:30:00/10:35:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		13		
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Trichocladium				
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 20802001-115
AIRBORNE TOTAL FUNGI RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

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

SAMPLE NUMBER	**20802001-TM31AR**	**20802001-TM32AR**	**20802001-TM33AR**	**20802001-TM34AR**
SAMPLING LOCATION/ACTIVITIES	Room 2002; Column N19 area; Cubicle 97; about center; approximately five feet above floor/Normal office activities	Room 2002; Column N19 area; Cubicle 113; about center; approximately five feet above floor/Normal office activities	Room 2002; Column N20 area; Cubicle 101; about center; approximately five feet above floor/Normal office activities	Room 2002; approximately ten feet west of Column N21; approximately five feet above floor/Normal office activities
DATE	2-8-08	2-8-08	2-8-08	2-8-08
START/STOP	10:41:00/10:46:00	10:42:00/10:47:00	10:50:00/10:55:00	10:56:00/11:01:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53			
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Trichocladium				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	53	<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 20802001-115
AIRBORNE TOTAL FUNGI RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

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

SAMPLE NUMBER	**20802001-TM35AR**	**20802001-TM36OUTAR**		
SAMPLING LOCATION/ACTIVITIES	Room 2002; Column N22 area; Cubicle 77;; approximately five feet above floor/Normal office activities	Outdoor; 23rd Floor; western deck; about center; approximately five feet above deck/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
DATE	2-8-08+	2-8-08		
START/STOP	10:03:00/10:08:00	11:10:00/11:15:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores		1,850		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown	13			
Penicillium/Aspergillus types		160		
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Trichocladium				
Ulocladium				
Hyphal fragments	<13	<13		
Background particulates*	2+	1+		
TOTAL**	13	2,010		

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 20802001-116
AIRBORNE VIABLE FUNGI RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 8, 2008

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

SAMPLE NUMBER	20802001-VM11OUTAR	20802001-VM12AR	20802001-VM13AR	20802001-VM14AR
SAMPLING LOCATION/ACTIVITIES	Outdoor; 23rd Floor; western deck; about center; approximately five feet above deck/Normal outdoor activities	Room 2002; Area between Column M22 and L22; about center; approximately five feet above floor/Normal office activities	Room 2002; Column L22 area; about five feet east of Cubicle 68; approximately five feet above floor/Normal office activities	Room 2002; Column K19 area; Cubicle 48; northern partition counter top; about center; approximately five feet above floor/Normal office activities
START/STOP	9:48:00/9:50:00	9:58:00/10:00:00	10:04:00/10:06:00	10:10:00/10:10:12:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger	35		18	
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	18			
Curvularia				
Epicoccum			18	
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi	35	18		
Others				
Paecilomyces				
Penicillium	71			
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts	35			
TOTAL	194	18	36	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-116
AIRBORNE VIABLE FUNGI RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 8, 2008

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

SAMPLE NUMBER	**20802001-VM15AR**	**20802001-VM16AR**	**20802001-VM17AR**	**20802001-VM18AR**
SAMPLING LOCATION/ACTIVITIES	Room 2002; hallway adjacent to Column K18; approximately five feet above floor/Normal office activities	Room 2002; Column L18 area; Cubicle 5; about center; approximately five feet above floor/Normal office activities	Room 2002; Column N18 area; print station; about center; approximately five feet above floor/Normal office activities	Room 2002; Column N19 area; Cubicle 113; about center; approximately five feet above floor/Normal office activities
START/STOP	10:19:00/10:21:00	10:24:00/10:26:00	10:30:00/10:32:00	10:44:0010:46:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger			18	
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi				
Others				
Paecilomyces			18	
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts	18			
TOTAL	18	<18	36	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-116
AIRBORNE VIABLE FUNGI RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 8, 2008

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

SAMPLE NUMBER	**20802001-VM19AR**	**20802001-VM20OUTAR**		
SAMPLING LOCATION/ACTIVITIES	Room 2002; approximately ten feet west of Column N21; approximately five feet above floor/Normal office activities	Outdoor; 23rd Floor; western deck; about center; approximately five feet above deck/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
START/STOP	10:57:00/10:59:00	11:11:00/11:13:00		
SAMPLE TIME	2 minutes	2 minutes		
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger		106		
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		18		
Curvularia				
Epicoccum				
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi				
Others				
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	<18	124		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
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TABLE 20802001-117
SURFACE FUNGAL GROWTH POTENTIALS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
2/7/08	20802001-S17AR	Room 2002; Column M18 area; Cubicle 004; about center; from reverse side of HVAC supply air register;	Very heavy	Very few	None	None	Background
2/7/08	20802001-S18AR	Room 2002; Column M18 area; Cubicle 118; northeastern corner; from reverse side of HVAC supply air register	Heavy	Very few	3+ *Cladosporium* species (spores, hyphae)	None	Fungal growth
2/7/08	20802001-S19AR	Room 2002; Column N19 area; Cubicle 111; northwestern corner; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/7/08	20802001-S20AR	Room 2002; Column N21 area; Cubicle 80; southern end; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/7/08	20802001-S21AR	Room 2002; Area between Column L22 and M22 areas; about center; from reverse side of HVAC supply air register	Very heavy	Very few	None	Heavy amounts of myxomycetes detected	Possible settling from fungal growth in vicinity
2/7/08	20802001-S22AR	Room 2002; Column K22 area; Cubicle 57; southwestern corner; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background
2/7/08	20802001-S23AR	Room 2002; about four feet south of Column K20; about center; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/7/08	20802001-S24AR	Room 2002; Column K18 area; Cubicle 43; southeastern corner; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/8/08	20802001-TL101AR	Room 2002; Column M22 area; Cubicle 74; eastern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL102AR	Room 2002; Column L22 area; Cubicle 68; eastern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL103AR	Room 2002; Column K22 area; file cabinet; contiguous with Cubicle 57: southern partition; about center; from horizontal surface	Scant	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 20802001-117
SURFACE FUNGAL GROWTH POTENTIALS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
2/8/08	20802001-TL104AR	Room 2002; Column K22 area; Cubicle 28; northern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL105AR	Room 2002; Column K22 area; Cubicle 29; southern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL106AR	Room 2002; Column K20 area; Cubicle 34; eastern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL107AR	Room 2002; printer contiguous with Column K20; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL108AR	Room 2002; Column K18 area; Cubicle 19; northern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL109AR	Room 2002; Column K18 area; Cubicle 45; desk; northern partition; about center; from vertical surface	Scant	None	None	None	Background
2/8/08	20802001-TL110AR	Room 2002; Column K18 area; Cubicle 43; eastern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL111AR	Room 2002; Column L18 area; Cubicle 005; western partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL112AR	Room 2002; Column M18 area; Cubicle 122; southern partition; about center; from horizontal surface	Light	None	None	None	Background
2/8/08	20802001-TL113AR	Room 2002; Column M18 area; about five feet west of Cubicle 001; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL114AR	Room 2002; Column M18 area; Cubicle 118; northern partition; about center; from horizontal surface	Scant	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+.

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

TABLE 20802001-117
SURFACE FUNGAL GROWTH POTENTIALS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 7 AND 8, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
2/8/08	20802001-TL115AR	Room 2002; Column N19 area; Cubicle 114; southern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL116AR	Room 2002; Column M18 area; Cubicle 87; southern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL117AR	Room 2002; Column N21 area; Cubicle 101; northern partition; about center; from horizontal surface	Scant	None	None	None	Background
2/8/08	20802001-TL118AR	Room 2002; Column N21 area; Cubicle 107; southern partition; about center; from horizontal surface	Light	None	None	None	Background
2/8/08	20802001-TL119AR	Room 2002; Column N22 area; Cubicle 200; western partition; about center; from horizontal surface	Light	None	None	None	Background
2/8/08	20802001-TL120AR	Room 2002; Column M22 area; Cubicle 75; eastern partition; about center; from horizontal surface	Scant	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 20802001-118
AIRBORNE FIBERS RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 20, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (f/cc)	PEL (f/cc)
Area Sample	Room 2002; Column L18 area; Cubicle 7; southwestern corner; approximately six feet above floor/Normal office activities	N/A	20802001-F01ME	8:37/ 16:49	492 minutes	Fibers	**0.004**	0.1
Area Sample	Room 2002; Column N18 area; Cubicle 117; southeastern corner; approximately six feet above floor/Normal office activities	N/A	20802001-F02ME	8:39/ 16:45	486 minutes	Fibers	**0.006**	0.1
Area Sample	Room 2002; Column N20 area; Cubicle 87; top of southern cubicle partition; about center; approximately six feet above floor/Normal office activities	N/A	20802001-F03ME	8:41/ 16:56	495 minutes	Fibers	**0.007**	0.1
Area Sample	Room 2002; Column N21 area; Cubicle 105; top of southern cubicle partition; about center; approximately six feet above floor/Normal office activities	N/A	20802001-F04ME	8:43/ 16:53	490 minutes	Fibers	**0.004**	0.1
Area Sample	Room 2002; Column N22 area; Cubicle 78; top of western cubicle partition; about center; approximately six feet above floor/Normal office activities	N/A	20802001-F05ME	8:45/ 16:59	494 minutes	Fibers	**0.004**	0.1
Area Sample	Room 2002; Column L22 area; Cubicle 71; northeastern corner; approximately six feet above floor/Normal office activities	N/A	20802001-F06ME	8:48/ 17:01	493 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 2002; Column K22 area; Cubicle 29; southwestern corner; approximately six feet above floor/Normal office activities	N/A	20802001-F07ME	8:50/ 16:55	485 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 2002; Column K20 area; Cubicle 22; northwestern corner; approximately six feet above floor/Normal office activities	N/A	20802001-F08ME	8:51/ 16:56	485 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 2002; Column K21 area; Cubicle 51; northwestern corner; approximately six feet above floor/Normal office activities	N/A	20802001-F09ME	8:53/ 16:53	480 minutes	Fibers	**0.006**	0.1
Area Sample	Room 2002; Column K18 area; Cubicle 42; southeastern corner; approximately six feet above floor/Normal office activities	N/A	20802001-F10ME	8:55/ 16:58	483 minutes	Fibers	**<0.005**	0.1
Blank	N/A	N/A	20802001-F100 BLANKME	N/A	N/A	Fibers	All data blank corrected	0.1

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 20802001-119
AIRBORNE TOTAL DUST RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
APRIL 22, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL
Area Sample	Room 2002; Column K18 area; Cubicle 8; about center; approximately six feet above floor/Normal office activities	N/A	20802001-TD25JL	11:28/ 16:19	291	Total dust	**<0.17**	10 mg/M^3
Area Sample	Room 2002; Column N18 area; about two feet south of Cubicle 117; approximately six feet above floor/Normal office activities	N/A	20802001-TD26JL	11:32/ 16:22	290	Total dust	**<0.17**	10 mg/M^3
Area Sample	Room 2002; about 10 feet north of Column N20; approximately six feet above floor/Normal office activities	N/A	20802001-TD27JL	11:34/ 16:24	290	Total dust	**<0.17**	10 mg/M^3
Area Sample	Room 2002; Column N21 area; Cubicle 80; about center; approximately six feet above floor/Normal office activities	N/A	20802001-TD28JL	11:38/ 16:26	288	Total dust	**<0.17**	10 mg/M^3
Area Sample	Room 2002; Column M22 area; about two feet east of Cubicle 73; approximately six feet above floor/Normal office activities	N/A	20802001-TD29JL	11:40/ 16:28	288	Total dust	**<0.17**	10 mg/M^3
Area Sample	Room 2002; Column K22 area; about two feet north of Cubicle 55; approximately six feet above floor/Normal office activities	N/A	20802001-TD30JL	11:42/ 16:29	287	Total dust	**<0.17**	10 mg/M^3
Area Sample	Room 2002; Column K20 area; about six feet south of Column K20; approximately six feet above floor/Normal office activities	N/A	20802001-TD31JL	11:45/ 16:31	286	Total dust	**<0.17**	10 mg/M^3
Blank	N/A	N/A	20802001-TD32 BLANKJL	N/A	N/A	Total dust	All data blank corrected	10 mg/M^3

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 20802001-120
MICROBIAL VOLATILE ORGANIC COMPOUNDS
20TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 7, 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 2002; Column M22 area; about four feet east of Cubicle 73; approximately six feet above floor/Normal office activities	N/A	20803001-M13AC	10:50/ 12:39	109 minutes	3-Methylfuran	**36 x10^{-6}**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**221 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	**82 x10^{-6}**	410
						2-Heptanone	**139 x10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	130
						1-Octen-3-ol	**nd**	N/A
						3-Octanone	**nd**	N/A
						3-Octanol	**nd**	N/A
						2-Pentylfuran	**nd**	N/A
						2-Octen-1-ol	**nd**	N/A
						2-Methoxy-2-1(methylethyl)	**nd**	N/A
						pyrazine	**nd**	N/A
						2-Nonanone	**nd**	N/A
						Fenchone	**nd**	N/A
						2-Methyl-isoborneol	**nd**	N/A
						a-Terpineol	**nd**	N/A
						Borneol	**nd**	N/A
						Geosmin	**nd**	N/A
						Thujopsene	**nd**	N/A

LEGEND

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

<: Less than
mg/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 20802001-120
MICROBIAL VOLATILE ORGANIC COMPOUNDS
20TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 7, 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 2002; Column K20 area; about six feet north of Cubicle 23; approximately six feet above floor/Normal office activities	N/A	20803001-M14AC	10:52/ 12:31	101 minutes	3-Methylfuran	**29 x10^{-6}**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**196 x10^{-6}**	300
						3-Methyl-2-butanol	**nd**	N/A
						2-Pentanol	**139 x10^{-6}**	N/A
						3-Methyl-2-butanol	**nd**	N/A
						Methyl disulfide	**nd**	N/A
						Ethyl isobutyrate	**nd**	N/A
						2-Hexanone	**50 x10^{-6}**	410
						2-Heptanone	**81 x10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	130
						1-Octen-3-ol	**nd**	N/A
						3-Octanone	**nd**	N/A
						3-Octanol	**nd**	N/A
						2-Pentylfuran	**nd**	N/A
						2-Octen-1-ol	**nd**	N/A
						2-Methoxy-2-1(methylethyl)	**nd**	N/A
						pyrazine	**nd**	N/A
						2-Nonanone	**nd**	N/A
						Fenchone	**nd**	N/A
						2-Methyl-isoborneol	**nd**	N/A
						a-Terpineol	**nd**	N/A
						Borneol	**nd**	N/A
						Geosmin	**nd**	N/A
						Thujopsene	**nd**	N/A

LEGEND

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

<: Less than
mg/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 20802001-120
MICROBIAL VOLATILE ORGANIC COMPOUNDS
20TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 7, 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 2002; Column N20 area; about center; approximately six feet above floor/Normal office activities	N/A	20802001-M15AC	12:43/ 14:38	115 minutes	3-Methylfuran	**26×10^{-6}**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**320×10^{-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	**54×10^{-6}**	410
						2-Heptanone	**94×10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	130
						1-Octen-3-ol	**nd**	N/A
						3-Octanone	**nd**	N/A
						3-Octanol	**nd**	N/A
						2-Pentylfuran	**nd**	N/A
						2-Octen-1-ol	**nd**	N/A
						2-Methoxy-2-1(methylethyl)	**nd**	N/A
						pyrazine	**nd**	N/A
						2-Nonanone	**nd**	N/A
						Fenchone	**nd**	N/A
						2-Methyl-isoborneol	**nd**	N/A
						a-Terpineol	**nd**	N/A
						Borneol	**nd**	N/A
						Geosmin	**nd**	N/A
						Thujopsene	**nd**	N/A

LEGEND

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

<: Less than
mg/M^3: Milligrams per cubic meter
nd: Not detected

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APPENDIX A

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

TABLE 20802001-120
MICROBIAL VOLATILE ORGANIC COMPOUNDS
20TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 7, 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 2002; Column M18 area; Cubicle 3; about center; approximately six feet above floor/Normal office activities	N/A	20803001-M16AC	12:45/ 14:46	121 minutes	3-Methylfuran	**43×10^{-6}**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**379×10^{-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	**59×10^{-6}**	410
						2-Heptanone	**93×10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	130
						1-Octen-3-ol	**nd**	N/A
						3-Octanone	**nd**	N/A
						3-Octanol	**nd**	N/A
						2-Pentylfuran	**nd**	N/A
						2-Octen-1-ol	**nd**	N/A
						2-Methoxy-2-1(methylethyl)	**nd**	N/A
						pyrazine	**nd**	N/A
						2-Nonanone	**nd**	N/A
						Fenchone	**nd**	N/A
						2-Methyl-isoborneol	**nd**	N/A
						a-Terpineol	**nd**	N/A
						Borneol	**nd**	N/A
						Geosmin	**nd**	N/A
						Thujopsene	**nd**	N/A

LEGEND

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

<: Less than
mg/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 20802001-121
DIRECT-READING RESULTS
20TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 8, 2008

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
Room 2002; Column L22 area; Cubicle 68; approximately five feet above floor/Normal office activities	15:00/15:04	Volatile Organic Compounds Ozone	ND <0.1 ND <0.05	N/A
Room 2002; Column K18 area; Cubicle 43; approximately five feet above floor/Normal office activities	15:05/15:09	Volatile Organic Compounds Ozone	ND <0.1 ND <0.05	N/A
Room 2002; Column M18 area; Cubicle 001;approximately five feet above floor/Normal office activities	15:10/15:19	Volatile Organic Compounds Ozone	0.8 ND <0.05	N/A
Room 2002; Column N22 area; Cubicle 200; approximately five feet above floor/Normal office activities	15:20/15:24	Volatile Organic Compounds Ozone	0.5 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: 386798

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Direct microscopic exam (Qualitative): 02-13-2008
Spore trap analysis: 02-13-2008

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

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

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM09CCAR		20802001-TM10CCAR		20802001-TM11CCAR		20802001-TM12CCAR	
Comments (see below)	None		None		A		None	
Lab ID-Version‡:	1697461-1		1697462-1		1697463-1		1697464-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					1	13	6	80
Arthrinium								
Ascospores*			1	13	1	13	2	27
Aureobasidium								
Basidiospores*					1	53		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53			5	267	7	373
Curvularia								
Epicoccum							1	13
Fusarium								
Myrothecium								
Nigrospora					1	13		
Other brown	1	13			1	13		
Other colorless								
Penicillium/Aspergillus types†	1	13	1	53	24	360		
Pithomyces								
Rusts*					1	13	1	13
Smuts*, Periconia, Myxomycetes*	2	27			2	27	3	40
Stachybotrys								
Stemphylium								
Torula							2	27
Trichocladium								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		3+	
Hyphal fragments/m3	< 13		13		27		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	2+		1+		1+		3+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		106		66		772		573

Comments: A) 23 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

* 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: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM13CCAR		20802001-TM14CCAR		20802001-TM15CCAR		20802001-TM16CCAR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1697465-1		1697466-1		1697467-1		1697468-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	1	13			4	93		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			1	53	1	53	2	107
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†					1	53		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*					2	27	1	13
Stachybotrys								
Stemphylium								
Torula								
Trichocladium								
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		26		53		226		120

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM17CCAR		20802001-TM18CCAR		20802001-TM19CCAR		20802001-TM20CCAR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1697469-1		1697470-1		1697471-1		1697472-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					1	13		
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	2	27						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53			1	53		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†							3	160
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Trichocladium					1	13		
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	27		< 13		13		< 13	
Skin cells (1-4+)	3+		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		93		< 13		79		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: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM21CCAR		20802001-TM22CCAR		20802001-TM23CCAR		20802001-TM24CCAR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1697473-1		1697474-1		1697475-1		1697476-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			1	13			2	27
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium							4	213
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†					1	53		
Pithomyces								
Rusts*	1	13	1	13			1	13
Smuts*, Periconia, Myxomycetes*	1	13					1	13
Stachybotrys	1	13						
Stemphylium								
Torula								
Trichocladium								
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+		3+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		52		26		53		266

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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C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-07-2008
Date of Receipt: 02-08-2008
Date of Report: 02-13-2008

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‡: 1697445-1: Swab sample 20802001-S09AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697446-1: Swab sample 20802001-S10AR				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697447-1: Swab sample 20802001-S11AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697448-1: Swab sample 20802001-S12AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697449-1: Swab sample 20802001-S13AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1697450-1: Swab sample 20802001-S14AR				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1697451-1: Swab sample 20802001-S15AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697452-1: Swab sample 20802001-S16AR				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697453-1: Swab sample 20802001-S17AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697454-1: Swab sample 20802001-S18AR				
Heavy	Very few	3+ *Cladosporium* species (spores, hyphae)	None	Mold growth
Lab ID-Version: 1697455-1: Swab sample 20802001-S19AR				
Very Heavy	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‡: 1697456-1: Swab sample 20802001-S20AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697457-1: Swab sample 20802001-S21AR				
Very Heavy	Very few	None	Heavy amounts of myxomycetes detected.	Growth of a Myxomycetes in vicinity?
Lab ID-Version: 1697458-1: Swab sample 20802001-S22AR				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697459-1: Swab sample 20802001-S23AR				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1697460-1: Swab sample 20802001-S24AR				
Very Heavy	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: 20802001 Date Submitted: 2/7/08

Project Contact: Wes Frey Turnaround Required: Normal

Lab Destination: EMLab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001 - TM09CCAR	75L	Allergenco D	Spore Trap
- TM10CCAR			
- TM11CCAR			
- TM12CCAR			
- TM13CCAR			
- TM14CCAR			
- TM15CCAR			
- TM16CCAR			
- S09AR	N/A	Swab	Surface Fungi
- S10AR			
- S11AR			
- S12AR			
- S13AR			
- S14AR			
- S15AR			
- S16AR			

Special Instructions:

1. Sampled by: 2/7/08 1300 Received by: 2/8 10AM
2. Relinquished by: Received by: 2/11/08
3. Relinquished by: Received by: 9:40a

Please include signature, date, and time

Lab Use Only:

38678

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8376
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/7/08

Project Contact: Wes Frey Turnaround Required: Normal

Lab Destination: EMLab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001 - TMACCAR	75L	Allergenco D	Spore Trap
- TM18CCAR			
- TM19CCAR			
- TM20CCAR			
- TM 21 CCAR			
- TM 22 CCAR			
- TM 23 CCAR			
- TM24CCAR			
- S17AR	N/A	Swab	Surface Fungi
- S18 AR			
- S19 AR			
- S20 AR			
- S21 AR			
- S22 AR			
- S23 AR			
- S24 AR			

Special Instructions:

1. Sampled by: 2/7/08 1500 Received by:
2. Relinquished by: 2/8/8 Received by: 2/8/8 10AM
3. Relinquished by: Received by: 2/11/08 9:40 am

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: 388439

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 02-18-2008
Spore trap analysis: 02-18-2008

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

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

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM19outAR		20802001-TM20AR		20802001-TM21AR		20802001-TM22AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1704654-1		1704655-1		1704656-1		1704657-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*			1	53				
Aureobasidium								
Basidiospores*	44	2,350	1	53				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown			1	13				
Other colorless								
Penicillium/Aspergillus types†					1	53		
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		2,350		119		53		< 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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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM23AR		20802001-TM24AR		20802001-TM25AR		20802001-TM26AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1704658-1		1704659-1		1704660-1		1704661-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			1	53				
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†							1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		1+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		< 1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		< 13		53		< 13		53

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM27AR		20802001-TM28AR		20802001-TM29AR		20802001-TM30AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1704662-1		1704663-1		1704664-1		1704665-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			1	13				
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
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		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: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM31AR		20802001-TM32AR		20802001-TM33AR		20802001-TM34AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1704666-1		1704667-1		1704668-1		1704669-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	53						
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		53		< 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.
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Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM35AR		20802001-TM36outAR	
Comments (see below)	None		None	
Lab ID-Version‡:	1704670-1		1704671-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*				
Aureobasidium				
Basidiospores*			37	1,850
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Other brown	1	13		
Other colorless				
Penicillium/Aspergillus types†			3	160
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		1+	
Hyphal fragments/m3	< 13		< 13	
Pollen/m3	< 13		13	
Skin cells (1-4+)	< 1+		None	
Sample volume (liters)	75		75	
TOTAL SPORE/m3		13		2,010

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.
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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20802001-TM19outAR

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	20	190	37	7	27	230	61
Bipolaris/Drechslera group	-	7	13	150	11	7	13	120	14
Chaetomium	-	7	13	130	8	7	13	110	19
Cladosporium	-	27	320	4,400	90	53	640	6,500	98
Curvularia	-	7	13	330	8	7	13	220	7
Nigrospora	-	7	13	130	8	7	13	170	8
Penicillium/Aspergillus types	-	27	160	1,800	86	44	210	2,500	89
Stachybotrys	-	7	13	410	3	7	13	320	5
Torula	-	7	13	180	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	-	13	120	2,200	67	13	110	1,800	73
Basidiospores	2,350	13	270	8,800	88	13	270	7,100	95
Rusts	-	7	13	220	11	7	13	270	29
Smuts, Periconia, Myxomycetes	-	7	27	280	54	8	40	480	72
TOTAL SPORES/M3	2,350								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

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

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

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

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20802001-TM36outAR

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	20	190	37	7	27	230	61
Bipolaris/Drechslera group	-	7	13	150	11	7	13	120	14
Chaetomium	-	7	13	130	8	7	13	110	19
Cladosporium	-	27	320	4,400	90	53	640	6,500	98
Curvularia	-	7	13	330	8	7	13	220	7
Nigrospora	-	7	13	130	8	7	13	170	8
Penicillium/Aspergillus types	160	27	160	1,800	86	44	210	2,500	89
Stachybotrys	-	7	13	410	3	7	13	320	5
Torula	-	7	13	180	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	-	13	120	2,200	67	13	110	1,800	73
Basidiospores	1,850	13	270	8,800	88	13	270	7,100	95
Rusts	-	7	13	220	11	7	13	270	29
Smuts, Periconia, Myxomycetes	-	7	27	280	54	8	40	480	72
TOTAL SPORES/M3	2,010								

† 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.

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**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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C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20802001-TM19outAR:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	ND	13 - 160 - 4,200	76
Basidiospores	2,350	13 - 320 - 14,000	92
Cladosporium	ND	40 - 530 - 8,500	95
Penicillium/Aspergillus types	ND	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	ND	7 - 40 - 760	70
Total	2,350		

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-TM20AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 3 Result: 0.6250 Critical value: N/A Outside Similar: N/A	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Ascospores	53
Basidiospores	53
Other brown	13
Total	119

Location: 20802001-TM21AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 108 Result: Low

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

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

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM22AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM23AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM24AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 103 Result: Low

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

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM25AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM26AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	53
Total	53

Location: 20802001-TM27AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM28AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 101 Result: Low

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

Location: 20802001-TM29AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM30AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM31AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	53
Total	53

Location: 20802001-TM32AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM33AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM34AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM35AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 105 Result: Low

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

* 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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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20802001-TM36outAR:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	ND	13 - 160 - 4,200	76
Basidiospores	1,850	13 - 320 - 14,000	92
Cladosporium	ND	40 - 530 - 8,500	95
Penicillium/Aspergillus types	160	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	ND	7 - 40 - 760	70
Total	2,010		

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-TM20AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.1500 Critical value: N/A Outside Similar: N/A	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Ascospores	53
Basidiospores	53
Other brown	13
Total	119

Location: 20802001-TM21AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 108 Result: Low

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

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM22AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM23AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM24AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 3 Result: -0.6250 Critical value: N/A Outside Similar: N/A	Score: 103 Result: Low

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

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Location: 20802001-TM25AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM26AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	53
Total	53

Location: 20802001-TM27AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM28AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 3 Result: -0.6250 Critical value: N/A Outside Similar: N/A	Score: 101 Result: Low

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

Location: 20802001-TM29AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM30AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM31AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 2 Result: -1.0000 Critical value: N/A Outside Similar: N/A	Score: 108 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Penicillium/Aspergillus types				53
Total				53

Location: 20802001-TM32AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM33AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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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Location: 20802001-TM34AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 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-TM35AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 5.6162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 3 Result: -0.6250 Critical value: N/A Outside Similar: N/A	Score: 105 Result: Low

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

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

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

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-TM19outAR

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		ND	< 13
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		ND	< 13
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		ND	< 13
Basidiospores††		44	2,350
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		ND	< 13
Total			**2,350**

Location: 20802001-TM20AR

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††		1	53		121
Basidiospores††		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**119**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM21AR

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	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**108**

Location: 20802001-TM22AR

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-TM23AR

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-TM24AR

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-TM25AR

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-TM26AR

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	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM27AR

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-TM28AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	13		101
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**	**101**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM29AR

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-TM30AR

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-TM31AR

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	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**108**

Location: 20802001-TM32AR

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-TM33AR

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-TM34AR

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-TM35AR

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**

*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-TM36outAR

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		ND	< 13
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		3	160
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		ND	< 13
Basidiospores††		37	1,850
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		ND	< 13
Total			**2,010**

Location: 20802001-TM20AR

Fungi Identified	Indoor 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		ND	< 13
Curvularia		ND	< 13
Nigrospora		ND	< 13
Other brown		1	13
Penicillium/Aspergillus types†		ND	< 13
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		1	53
Basidiospores††		1	53
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		ND	< 13
Total			**119**

MoldSCORE‡ 100 200 300	Score
	100
	100
	100
	100
	100
	100
	105
	100
	100
	100
	121
	100
	100
	100
Final MoldSCORE	**105**

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

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM21AR

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	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**108**

Location: 20802001-TM22AR

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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C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM23AR

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-TM24AR

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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Client: Hygiene Technologies International, Inc.: Northern California
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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM25AR

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-TM26AR

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	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**108**

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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM27AR

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-TM28AR

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	13		101
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**	**101**

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

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM29AR

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-TM30AR

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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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM31AR

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	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**108**

Location: 20802001-TM32AR

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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C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM33AR

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-TM34AR

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

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM35AR

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**

*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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Report for:

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

Regarding: Project: 20802001
EML ID: 388439

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 02-18-2008

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

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

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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Client: Hygiene Technologies International, Inc.: Northern California
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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM11outAR		20802001-VM12AR		20802001-VM13AR		20802001-VM14AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1704644-1		1704645-1		1704646-1		1704647-1	
	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	2	35			1	18		
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	18						
Curvularia								
Epicoccum					1	18		
Fusarium								
Non-sporulating fungi	2	35	1	18				
Paecilomyces								
Penicillium	4	71						
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts	2	35						
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		194		18		36		< 18

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

Comments:

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

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Re: 20802001

Date of Sampling: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM15AR		20802001-VM16AR		20802001-VM17AR		20802001-VM18AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1704648-1		1704649-1		1704650-1		1704651-1	
	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					1	18		
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi								
Paecilomyces					1	18		
Penicillium								
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts	1	18						
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		18		< 18		36		< 18

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

Comments:

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

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: 02-08-2008
Date of Receipt: 02-13-2008
Date of Report: 02-18-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM19AR		20802001-VM20outAR	
Comments (see below)	None		None	
Lab ID-Version‡:	1704652-1		1704653-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus fumigatus				
Aspergillus nidulans				
Aspergillus niger			6	106
Aspergillus ochraceus				
Aspergillus versicolor				
Aureobasidium				
Basidiomycetes				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			1	18
Curvularia				
Epicoccum				
Fusarium				
Non-sporulating fungi				
Paecilomyces				
Penicillium				
Phoma				
Rhizopus				
Stachybotrys chartarum				
Ulocladium				
Yeasts				
Positive Hole	400		400	
Sample volume (liters)	56.6		56.6	
TOTAL CFU*/M3		< 18		124

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

Comments:

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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: 2/8/08

Project Contact: Wes Frey Turnaround Required: Normal

Lab Destination: EMLab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TM19OUTA	75L	Allergenco D	Spore Trap
-TM20AR			
-TM21AR			
-TM22AR			
-TM23AR			
-TM24AR			
-TM25AR			
-TM26AR			
-TM27AR			
-TM28AR			
-TM29AR			
-TM30AR			
-TM31AR			
-TM32AR			
-TM33AR			
-TM34AR			

Special Instructions:

1. Sampled by: 2/8/08 1200 Received by: 2/8/08 1410
2. Relinquished by: 2/13/08 9:32AM Received by: 2/13/08 9:32
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only:

HYGIENE TECH
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Torrance, California 90503-1643
(310) 370-8370
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Request For Analysis

Project Number/Purchase Order: 26802001 Date Submitted: 2/8/08

Project Contact: Wes Frey Turnaround Required: Normal

Lab Destination: EMLab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
26802001-FM35AR	75L	AllergenCoD	Spore Trap
-FM36outAR	↓	↓	↓
-VM11outAR	56.6L	MEA	Surface fungi
-VM12AR			
-VM13AR			
-VM14AR			
-VM15AR			
-VM16AR			
-VM17AR			
-VM18AR			
-VM19AR			
-VM20outAR	↓	↓	

Special Instructions:

1. Sampled by: 2/8/08, 1205 Received by: 2/8/08 1321
2. Relinquished by: Received by:
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only: