HYGIENETECH
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August 20, 2008

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

Document No. 20802001.13

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
19TH Floor

Dear Mr. Gau:

On various dates in February and March of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 19TH 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 – 19TH 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

AUGUST 20, 2008

1.0 BACKGROUND

On various dates in February and March of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 19TH 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 19TH 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 19TH 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 20802001-134 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 20802001-128.

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 20802001-129.

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 20802001-130.

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 20802001-131.

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 20802001-132.

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 AIHA field guide. These data are presented in mg/M^3 and appear in Table 20803001-133.

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 19TH 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 *Alternaria*, basidiospores, *Cladosporium*, other brown, colorless spores typical of *Penicillium* and *Aspergillus* species, smuts, and/or *Torula*, with *Cladosporium* 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, *Epicoccum*, *Nigrospora*, Rust and/or smuts. Indoors, the distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were within normal expected ranges. 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 an overall level of 407 CFU/M^3 in both samples collected, with *Cladosporium* predominating. Indoors, low levels of common fungi were found including *Aspergillus niger*, *Cladosporium*, and/or non-sporulating fungi. 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 throughout the 19TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. Data involving samples collected from the HVAC supply air registers on the 19TH Floor also indicated no evidence of fungal growth or above-background levels of loose fungal spores. 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 recorded in the surveyed areas indicated that airborne fibrous dusts were either not detected above the laboratory detection limit of 0.004 f/cc or were detected at levels ranging from 0.004 to 0.008 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 were either not detected above the respective laboratory analytical detection limits of 0.13 and 0.14 mg/M^3 or was detected at 0.13 mg/M^3. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data are well below the State of California, Department of Industrial Relations, Division of Occupational Safety and Health (Cal-OSHA) 8-hour Health (Cal-OSHA) 8-hour time-weighted average (TWA) permissible

4.0 DISCUSSION (CONTINUED)

4.5 Airborne Total Dust (Continued)

exposure limit (PEL) for total dust of 10 mg/M^3, as defined in Title 8 of the California Code of Regulations, Section 5155 (T8, CCR § 5155). Note that these data are also well below the American Conference of Governmental Industrial Hygienists 8-hour TWA threshold limit value (TLV-TWA) for particulate (not otherwise classified) of 10 mg/M^3; the U.S. Environmental Protection Agency (EPA) National Ambient Air Quality Primary Standard of 0.26 mg/M^3 (24-hour standard); and the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE) theoretical value for non-occupational environments of 1/10 of the TLV.

4.6 Airborne Microbial Volatile Organic Compounds

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

The airborne MVOC data indicated the presence of 1-butanol at levels ranging from 227 ng/m^3 to 718 ng/m^3, 2-hexanone at level of 95 ng/m^3, and 2-heptanone at levels ranging from 147 ng/m^3 to 219 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 1-butanol, 2-hexanone, and 2-heptanone were detected would indicate that their presence on the 19TH Floor was most likely not fungal growth related and attributable to personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.

4.7 Airborne Volatile Organic Compounds

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

4.8 Airborne Ozone

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

4.0 DISCUSSION (CONTINUED)

4.9 Airborne Carbon Dioxide

On March 28, 2008, the direct-reading results indicated that CO_2 was detected at levels ranging from 474 to 610 ppm on the 19TH 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 75.22 degrees Fahrenheit (°F) on the March 28, 2008 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 slightly higher than the comfort range recommended for the winter months.

Relative humidity data were recorded indoors at levels ranging from 23.6 to 28.5 percent. Such levels were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.0 CONCLUSIONS

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

5.2 The surface fungal growth potentials data collected indicated no evidence of fungal growth or above-background levels of loose fungal spores on any of the sampled materials. Be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

5.0 CONCLUSIONS (CONTINUED)

5.3 The airborne total and fibrous dust, VOC, O_3, and CO^2 recorded during the survey were unremarkable. Collectively, the data were well below applicable Cal-OSHA 8-hour TWA PELs and/or other occupational, non-occupational, ASHRAE, or foreign guidelines. The data are not expected to represent conditions that pose a measurable health risk to the building occupants.

5.4 The airborne MVOC data indicated the presence of 1-butanol at levels ranging from 227 ng/m^3 to 718 ng/m^3, 2-Hexanone at level of 95 ng/m^3, and 2-Heptanone at levels ranging from 147 ng/m^3 to 219 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 1-butanol, 2-hexanone, and 2-heptanone were detected would indicate that their presence on the 19TH Floor was most likely not fungal growth related and attributable to personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.

5.5 On March 28, 2008, indoor air temperatures ranged between 73.84 and 75.22 degrees Fahrenheit. 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 slightly higher than the comfort range recommended for the winter months. Relative humidity data were recorded indoors at levels ranging from 23.6 to 28.5 percent, levels that were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.6 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 19th 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 19th 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 19TH 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 19th 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: August 20, 2008

Brian P. Daly, CIH, PE
President

Date: August 20, 2008

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-128
AIRBORNE TOTAL FUNGI RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	20802001-TM01OUTME	20802001-TM02ME	20802001-TM03ME	20802001-TM04ME
SAMPLING LOCATION/ACTIVITIES	Outdoor; about 30 feet north of building; approximately five feet above ground/Normal outdoor activities	Room 1902; Column K22 area; about one foot south of Cubicle 051; approximately five feet above floor/Normal office activities	Room 1902; Column K22 area; about four feet east of Cubicle 61-01; approximately five feet above floor/Normal office activities	Room 1902; Column K20 area; about two feet north of Cubicle 011-00; approximately five feet above floor/Normal office activities
START/STOP	11:38:00/11:43:00	13:40:00/13:45:00	13:46:00/13:51:00	13:55:00/14:00:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	13			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	160		53	
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown	13			
Penicillium/Aspergillus types	53	107	53	53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	40			
Stachybotrys				
Stemphylium				
Torula	27			
Ulocladium				
Hyphal fragments	40	<13	<13	13
Background particulates*	2+	2+	2+	2+
TOTAL**	306	107	106	53

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

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19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-TM05ME**	**20802001-TM06ME**	**20802001-TM07ME**	**20802001-TM08ME**
SAMPLING LOCATION/ACTIVITIES	Room 1902; Column K19 area; area between Cubicle 141-00 and 019-00; approximately five feet above floor/Normal office activities	Room 1902; Column K19 area; about two feet east of Cubicle 28-01; approximately five feet above floor/Normal office activities	Room 1902; Column K19 area; about four feet west of Cubicle 039; approximately five feet above floor/Normal office activities	Room 1902; Column K18 area; about two feet west of Cubicle 139; approximately five feet above floor/Normal office activities
START/STOP	14:01:00/14:06:00	14:07:00/14:12:00	14:15:00/14:20:00	14:21:00/14:26:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				13
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53	53	53	53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	106	53	53	66

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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SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-TM09ME**	**20802001-TM10ME**	**20802001-TM11ME**	**20802001-TM12ME**
SAMPLING LOCATION/ACTIVITIES	Room 1902; Column L18 area; area between Cubicle 135 and 130; approximately five feet above floor/Normal office activities	Room 1902; Column N19 area; about two feet south of Cubicle 091; approximately five feet above floor/Normal office activities	Room 1902; Column N19 area; about four feet from Cubicle 096; approximately five feet above floor/Normal office activities	Room 1902; Column N19 area; about three feet south of Cubicle 123; approximately five feet above floor/Normal office activities
START/STOP	14:27:00/14:32:00	14:35:00/14:40:00	14:41:00/14:46:00	14:47:00/14:52:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum		13		13
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53	53		53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	53	66	<13	66

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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19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-TM13ME**	**20802001-TM14ME**	**20802001-TM15ME**	**20802001-TM16ME**
SAMPLING LOCATION/ACTIVITIES	Room 1902; Column N20 area; northeastern corner of Cubicle 103; approximately five feet above floor/Normal office activities	Room 1902; about eight feet west of Column N20; approximately five feet above floor/Normal office activities	Room 1902; about three feet south of Column N21; approximately five feet above floor/Normal office activities	Room 1902; about three feet south of Room 1921; approximately five feet above floor/Normal office activities
START/STOP	14:55:00/15:00:00	15:01:00/15:06:00	15:07:00/15:12:00	15:15:00/15:20:00
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	13	13	53	53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				13
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	26	13	53	66

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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19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-TM17ME**	**20802001-TM18OUTME**	**20802001-TM100CCJL**	**20802001-TM101CCJL**
SAMPLING LOCATION/ACTIVITIES	Room 1902; about three feet north of Cubicle 056; approximately five feet above floor/Normal office activities	Outdoor; about fifty feet north of building; approximately five feet above ground/Normal outdoor activities	Room 1902; Column K22 area; Cubicle 061-01; about center; within ceiling plenum/Sampling activities only	Room 1902; Column K21 area; Cubicle 011; within ceiling plenum/Sampling activities only
START/STOP	15:21:00/15:26:00	17:40:00/17:45:00	14:20:00/14:25:00	14:28:00/14:33:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores				27
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	107	160	160	
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				13
Oidium				
Other brown				
Penicillium/Aspergillus types	213	147		
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)		40		
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	27	13	13
Background particulates*	2+	2+	2+	2+
TOTAL**	320	360	160	40

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 20802001-128
AIRBORNE TOTAL FUNGI RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-TM102CCJL**	**20802001-TM103CCJL**	**20802001-TM104CCJL**	**20802001-TM105CCJL**
SAMPLING LOCATION/ACTIVITIES	Room 1902; Column K20 area; Cubicle 001-501; about center; within ceiling plenum/Sampling activities only	Room 1902; about five feet east of Column K18; about center; within ceiling plenum/Sampling activities only	Room 1902; Column M18 area; printing and supply station; about center; within ceiling plenum/Sampling activities only	Room 1902; Column N21 area; Cubicle 115; about center; within ceiling plenum/Sampling activities only
START/STOP	14:38:00/14:43:00	14:48:00/14:53:00	14:58:00/15:03:00	15:09:00/15:14:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores	13			
Aureobasidium				
Basidiospores		13		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	107	13	53
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Penicillium/Aspergillus types			13	53
Pithomyces				
Rusts	13	40		
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	13	13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL**	92	160	26	106

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 20802001-128
AIRBORNE TOTAL FUNGI RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-TM106CCJL**	**20802001-TM107CCJL**		
SAMPLING LOCATION/ACTIVITIES	Room 1902; about five feet north of Column N20; within ceiling plenum/Sampling activities only	Room 1902; Column N19 area; Cubicle 123; about center; within ceiling plenum/Sampling activities only	This column intentionally left blank	This column intentionally left blank
START/STOP	15:20:00/15:25:00	15:29:00/15:34:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	53		
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Penicillium/Aspergillus types	53	53		
Pithomyces				
Rusts	13			
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13		
Background particulates*	2+	2+		
TOTAL**	132	106		

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 20802001-129
AIRBORNE VIABLE FUNGI RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-VM100OUTJL**	**20802001-VM101JL**	**20802001-VM102JL**	**20802001-VM103JL**
SAMPLING LOCATION/ACTIVITIES	Outdoors; about twenty-five feet north of building; approximately five above ground/Normal outdoor activities	Room 1902; Column N21 area; printer and supply station; about center; approximately five feet above floor/Normal office activities	Room 1902; Column N22 area; about eight feet north of Column N20 area; approximately five feet above floor/Normal office activities	Room 1902; Column N18 area; Cubicle 100; about center; approximately five feet above floor/Normal office activities
START/STOP	15:38:00/15:40:00	16:34:00/16:36:00	16:43:00/16:45:00	16:48:00/16:50:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Bipolaris/Drechslera group	18			
Botrytis				
Chaetomium				
Cladosporium	283	18		
Curvularia				
Epicoccum				
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi				18
Others				
Paecilomyces				
Penicillium	71			
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts	35	18		
TOTAL	407	36	<18	18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-129
AIRBORNE VIABLE FUNGI RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-VM104JL**	**20802001-VM105JL**	**20802001-VM106JL**	**20802001-VM107JL**
SAMPLING LOCATION/ACTIVITIES	Column K22 area; Cubicle 061-01; about center; approximately five feet above floor/Normal office activities	Column K21 area; Cubicle 009; about center; approximately five feet above floor/Normal office activities	Column K19; Cubicle 028-01; about center; approximately five feet above floor/Normal office activities	Column K18 area; Cubicle 139; northwestern corner; approximately five feet above floor/Normal office activities
START/STOP	16:58:00/17:00:00	17:04:00/17:06:00	17:10:00/17:12:00	17:16:00/17:18:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger			18	
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	18			
Curvularia				
Epicoccum				
Fusarium				
Memnoniella				
Myrothecium				
Non-sporulating fungi				
Others				
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	18	<18	18	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-129
AIRBORNE VIABLE FUNGI RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

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

SAMPLE NUMBER	**20802001-VM108JL**	**20802001-VM109OUTJL**		
SAMPLING LOCATION/ACTIVITIES	Column M18 area; Cubicle 091; about center; approximately five feet above floor/Normal office activities	Outdoor; about 25 feet north of building; approximately five above ground/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
START/STOP	17:21:00/17:23:00	17:48:00/17:50:00		
SAMPLE TIME	2 minutes	2 minutes		
Acremonium				
Alternaria		18		
Aspergillus flavus				
Aspergillus niger				
Aspergillus ochraceus		18		
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Chlamydospore- former				
Cladosporium		318		
Curvularia				
Epicoccum		35		
Fusarium				
Myrothecium				
Non-sporulating fungi				
Paecilomyces				
Penicillium		18		
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	<18	407		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-130
SURFACE FUNGAL GROWTH POTENTIALS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14 AND 15, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
2/14/08	20802001-S01JL	Room 1902; Column K22 area; Cubicle 061-01; ceiling; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/14/08	20802001-S02JL	Room 1902; Column K21 area; Cubicle 011; ceiling; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/14/08	20802001-S03JL	Room 1902; Column K20 area; Cubicle 001-501; ceiling; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/14/08	20802001-S04JL	Room 1902; approximately five feet east of Column K18; ceiling; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/14/08	20802001-S05JL	Room 1902; Column M18 area; printing and supply station; ceiling; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/14/08	20802001-S06JL	Room 1902; Column N21 area; Cubicle 115; ceiling; about center; from reverse side of HVAC supply air register	Very heavy	Very few	None	None	Background
2/14/08	20802001-S07JL	Room 1902; about five feet north of Column N20; ceiling; about center; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background
2/14/08	20802001-S08JL	Room 1902; Column N19 area; Cubicle 123; ceiling; about center; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background
2/15/08	20802001-TL59ME	Room 1902; Column N18 area; Cubicle 096; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL60ME	Room 1902; Column M18 area; Cubicle 125; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background

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

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-130
SURFACE FUNGAL GROWTH POTENTIALS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14 AND 15, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
2/15/08	20802001-TL61ME	Room 1902; Column L18 area; Cubicle 132; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL62ME	Room 1902; Column L18 area; Cubicle 136; northern cubicle partition; about center; from top horizontal surface of plastic	Light	Very few	None	None	Background
2/15/08	20802001-TL63ME	Room 1902; Column K18 area; Cubicle139; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL64ME	Room 1902; Column K19 area; Cubicle 027; southern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL65ME	Room 1902; Column K19 area; Cubicle 143-01; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL66ME	Room 1902; Column K20 area; Cubicle 08-00; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL67ME	Room 1902; Column K21 area; Cubicle 036-00; southeastern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL68ME	Room 1902; Column K22 area; Cubicle 036.01; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL69ME	Room 1902; Column K22 area; Cubicle 052; western cubicle partition; about three feet north of southern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background

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

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-130
SURFACE FUNGAL GROWTH POTENTIALS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14 AND 15, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
2/15/08	20802001-TL70ME	Room 1902; Cubicle 056; western cubicle partition; about four feet south of northern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL71ME	Room 1902; Cubicle 066; eastern cubicle partition; about three feet south of northern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL72ME	Room 1902; Column N22 area; Cubicle 068; southern cubicle partition; about five feet west of Column N22; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL73ME	Room 1902; Column N21 area; Cubicle 110; northern cubicle partition; about three feet east of western cubicle partition; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL74ME	Room 1902; Column N20 area; Cubicle 119; southern cubicle partition; about four feet west of eastern partition; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL75ME	Room 1902; Column N19 area; Cubicle 122; eastern cubicle partition; about four feet north of southern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL76ME	Room 1902; Column N18 area; Cubicle 084; eastern cubicle partition; about three feet north of southern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background
2/15/08	20802001-TL77ME	Room 1902; Column N19 area; Cubicle 080; southern cubicle partition; about three feet east of western cubicle partition; from top horizontal surface	Light	Very few	None	None	Background

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

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-130
SURFACE FUNGAL GROWTH POTENTIALS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14 AND 15, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
2/15/08	20802001-TL78ME	Room 1902; Column N21 area; Cubicle 149; western cubicle partition; about three feet north of southern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background

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

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-131
AIRBORNE FIBERS RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 21, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS	PEL (f/cc)
Area Sample	Room 1902; Column K22 area; about ten feet east of Cubicle 061-01; approximately six feet above floor/Normal office activities	N/A	20802001-F11ME	8:44/ 17:08	504 minutes	Fibers	**0.008**	0.1
Area Sample	Room 1902; Column K21 area; about five feet south Cubicle 030; approximately six feet above floor/Normal office activities	N/A	20802001-F13ME	8:57/ 17:12	495 minutes	Fibers	**0.005**	0.1
Area Sample	Room 1902; Column K19 area; southwestern corner of Cubicle 040; approximately six feet above floor/Normal office activities	N/A	20802001-F14ME	9:00/ 17:13	493 minutes	Fibers	**0.004**	0.1
Area Sample	Room 1902; Column M18 area; about three feet south of Cubicle 088; approximately six feet above floor/Normal office activities	N/A	20802001-F15ME	9:07/ 17:19	492 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 1902; Column K18 area; about five feet north of Cubicle 139; approximately six feet above floor/Normal office activities	N/A	20802001-F16ME	9:04/ 17:15	491 minutes	Fibers	**0.004**	0.1
Area Sample	Room 1902; Column N22 area; about ten feet east of Cubicle 067; approximately six feet above floor/Normal office activities	N/A	20802001-F17ME	9:13/ 17:24	491 minutes	Fibers	**0.006**	0.1
Area Sample	Room 1902; Column N21 area; about center; eastern cubicle partition; approximately six feet above floor/Normal office activities	N/A	20802001-F18ME	9:16/ 17:28	492 minutes	Fibers	**0.006**	0.1
Area Sample	Room 1902; Column N20 area; about 20 feet south of Cubicle 119; approximately six feet above floor/Normal office activities	N/A	20802001-F19ME	9:19/ 17:24	485 minutes	Fibers	**<0.004**	0.1
Area Sample	Room 1902; Column N19 area; southeastern corner of Cubicle 102; approximately six feet above floor/Normal office activities	N/A	20802001-F20ME	9:24/ 17:33	489 minutes	Fibers	**<0.004**	0.1
Blank	N/A	N/A	20802001-F101 BLANKME	N/A	N/A	Fibers	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
<: Less than
f/cc: Fibers per cubic centimeter of air

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-132
AIRBORNE TOTAL DUST RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 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 1902; Column L18 area; Cubicle 130; southeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-TD01JL	10:17 16:44	387 minutes	Total dust	**0.13**	10 mg/M^3
Area Sample	Room 1902; Column N19 area; Cubicle 091; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-TD02JL	10:24 16:42	378 minutes	Total dust	**<0.13**	10 mg/M^3
Area Sample	Room 1902; Column N19 area; Cubicle 099; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-TD03JL	10:30 16:27	357 minutes	Total dust	**<0.14**	10 mg/M^3
Area Sample	Room 1902; Column N22 area; Cubicle 076; northeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-TD04JL	10:35 16:38	363 minutes	Total dust	**<0.14**	10 mg/M^3*
Area Sample	Room 1902; Column N20 area; Print area; adjacent to cubicle 115; approximately five feet above floor/Normal office activities	N/A	20802001-TD05JL	10:38 16:35	357 minutes	Total dust	**<0.14**	10 mg/M^3
Area Sample	Room 1902; Cubicle 064; eastern cubicle partition; about center; approximately five feet above floor/Normal office activities	N/A	20802001-TD06JL	10:42 16:32	350 minutes	Total dust	**<0.14**	*10 mg/M^3
Area Sample	Room 1902; Column K22 area; Cubicle 61- 01; eastern cubicle partition; about center; approximately five feet above floor/Normal office activities	N/A	20802001-TD07JL	10:47/ 16:55	368 minutes	Total dust	**<0.14**	10 mg/M^3
Area Sample	Room 1902; Column K19 area; Printing cubicle adjacent to Cubicle 36-01; southeastern corner; approximately five feet above floor/Normal office activities	N/A	20802001-TD08JL	10:50 16:51	361 minutes	Total dust	**<0.14**	10 mg/M^3
Area Sample	Room 1902; Column K20 area; Cubicle 20; southeastern corner; approximately five above floor/Normal office activities	N/A	20802001-TD09JL	10:53 16:48	355 minutes	Total dust	**<0.14**	10 mg/M^3
Area Sample	Room 1902; area between Columns K18 and K19; about center; approximately five feet above floor/Normal office activities	N/A	20802001-TD10JL	10:57 16:46	349 minutes	Total dust	**<0.14**	10 mg/M^3
Blank	N/A	N/A	20802001-TD101 BLKJL	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 20803001-133
MICROBIAL VOLATILE ORGANIC COMPOUNDS
19TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24, 2008

43NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Room 1902; Column M18 area; about center; approximately six feet above floor/Normal office activities	N/A	20803001-M05ME	11:46/ 13:20	94 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**344 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	**nd**	410
						2-Heptanone	**219 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-3-1(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
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20803001-133
MICROBIAL VOLATILE ORGANIC COMPOUNDS
19TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24, 2008

43NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Room 1902; Column K20 area; about center; approximately six feet above floor/Normal office activities	N/A	20803001-M06ME	11:48/ 13:26	98 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**227 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	**nd**	410
						2-Heptanone	**218 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-3-1(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
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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450 N Street
Sacramento, California 94279

TABLE 20803001-133
MICROBIAL VOLATILE ORGANIC COMPOUNDS
19TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24, 2008

43NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Room 1902; Column K22 area; about center; approximately six feet above floor/Normal office activities	N/A	20802001-M07ME	13:47/ 15:21	94 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**718 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	**nd**	410
						2-Heptanone	**147 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
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20803001-133
MICROBIAL VOLATILE ORGANIC COMPOUNDS
19TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24, 2008

43NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Room 1902; Column K20 area; about center; approximately six feet above floor/Normal office activities	N/A	20803001-M08ME	13:49/ 15:19	90 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**627 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	**95 x10^{-6}**	410
						2-Heptanone	**185 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
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

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

TABLE 20802001-134
DIRECT-READING RESULTS
19TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 14, 2008

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
Room 1902; Column K18 area; about four feet west of Cubicle 139; approximately five feet above floor/Normal office activities	10:20/10:24	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A
Room 1902; Column N19 area; northeastern corner; about two feet west of Cubicle 096; approximately five feet above floor/Normal office activities	10:36/10:39	Volatile Organic Compounds Ozone	ND <0.1 <0.05	N/A
Room 1902; Column N18 area; about five feet north of Room 1912; approximately five feet above floor/Normal office activities	10:47/10:50	Volatile Organic Compounds Ozone	ND < 0.1 ND <0.05	N/A
Room 1902; approximately five feet east of Cubicle 60; approximately five feet above floor/Normal office activities	10:56/10:59	Volatile Organic Compounds Ozone	ND < 0.1 ND <0.05	N/A

LEGEND

ND: Not detected
<: Less than
N/A: Not applicable
ppm: Parts per million

EMLab P&K

Report for:

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

Regarding: Project: 20802001
EML ID: 389460

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Spore trap analysis: 02-20-2008

Project SOPs: Spore trap analysis (I100000)

EMLab P&K
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(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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM01OutME		20802001-TM02ME		20802001-TM03ME		20802001-TM04ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1709364-1		1709365-1		1709366-1		1709367-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	1	13						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	3	160			1	53		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†	1	53	2	107	1	53	1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	3	40						
Stachybotrys								
Stemphylium								
Torula	2	27						
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	40		< 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		306		107		106		53

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
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‡ A "Version" greater than 1 indicates amended data.

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C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM05ME		20802001-TM06ME		20802001-TM07ME		20802001-TM08ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1709368-1		1709369-1		1709370-1		1709371-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*							1	13
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	53	1	53	1	53	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		106		53		53		66

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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM09ME		20802001-TM10ME		20802001-TM11ME		20802001-TM12ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1709372-1		1709373-1		1709374-1		1709375-1	
	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			1	13			1	13
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	53	1	53			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		66		< 13		66

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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM13ME		20802001-TM14ME		20802001-TM15ME		20802001-TM16ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1709376-1		1709377-1		1709378-1		1709379-1	
	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†	1	13	1	13	1	53	1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*							1	13
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		26		13		53		66

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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM17ME		20802001-TM18OutME	
Comments (see below)	None		A	
Lab ID-Version‡:	1709380-1		1709381-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13
Arthrinium				
Ascospores*				
Aureobasidium				
Basidiospores*				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	2	107	3	160
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Other brown				
Other colorless				
Penicillium/Aspergillus types†	4	213	11	147
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*			3	40
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		2+	
Hyphal fragments/m3	< 13		27	
Pollen/m3	< 13		27	
Skin cells (1-4+)	< 1+		< 1+	
Sample volume (liters)	75		75	
TOTAL SPORE/m3		320		360

Comments: A) The 11 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.
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Re: 20802001

Date of Sampling: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20802001-TM01OutME

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: February				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	19	190	35	7	27	230	60
Bipolaris/Drechslera group	-	7	13	160	10	7	13	120	14
Chaetomium	-	7	13	130	7	7	13	110	19
Cladosporium	160	27	290	4,300	89	53	640	6,500	98
Curvularia	-	7	13	340	8	7	13	210	7
Nigrospora	-	7	13	140	8	7	13	170	8
Other brown	13	7	13	80	33	7	13	80	37
Penicillium/Aspergillus types	53	27	160	1,700	84	40	210	2,500	89
Stachybotrys	-	7	13	370	3	7	13	330	5
Torula	27	7	13	230	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	-	13	110	2,200	67	13	110	1,800	73
Basidiospores	13	13	270	8,600	87	13	270	6,900	95
Rusts	-	7	13	240	11	7	13	270	29
Smuts, Periconia, Myxomycetes	40	7	27	270	53	8	40	480	71
TOTAL SPORES/M3	306								

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

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

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

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

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

Date of Sampling: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20802001-TM18OutME

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	13	7	19	190	35	7	27	230	60
Bipolaris/Drechslera group	-	7	13	160	10	7	13	120	14
Chaetomium	-	7	13	130	7	7	13	110	19
Cladosporium	160	27	290	4,300	89	53	640	6,500	98
Curvularia	-	7	13	340	8	7	13	210	7
Nigrospora	-	7	13	140	8	7	13	170	8
Other brown	-	7	13	80	33	7	13	80	37
Penicillium/Aspergillus types	147	27	160	1,700	84	40	210	2,500	89
Stachybotrys	-	7	13	370	3	7	13	330	5
Torula	-	7	13	230	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	-	13	110	2,200	67	13	110	1,800	73
Basidiospores	-	13	270	8,600	87	13	270	6,900	95
Rusts	-	7	13	240	11	7	13	270	29
Smuts, Periconia, Myxomycetes	40	7	27	270	53	8	40	480	71
TOTAL SPORES/M3	360								

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

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

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

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

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20802001-TM01OutME:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	ND	13 - 160 - 4,200	76
Basidiospores	13	13 - 320 - 14,000	92
Cladosporium	160	40 - 530 - 8,500	95
Other brown	13	7 - 13 - 93	35
Penicillium/Aspergillus types	53	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	40	7 - 40 - 760	70
Torula	27	7 - 13 - 160	12
Total	306		

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-TM02ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 34%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 117 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Penicillium/Aspergillus types	107
Total	107

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM03ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 34%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.8571 Critical value: 0.7714 Outside Similar: Yes	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Penicillium/Aspergillus types	53
Total	106

Location: 20802001-TM04ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 17%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

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

Location: 20802001-TM05ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 34%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.8571 Critical value: 0.7714 Outside Similar: Yes	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Penicillium/Aspergillus types	53
Total	106

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM06ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 17%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

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

Location: 20802001-TM07ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 17%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

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

Location: 20802001-TM08ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 21%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.1714 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	13
Penicillium/Aspergillus types	53
Total	66

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM09ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 17%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

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

Location: 20802001-TM10ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 21%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.1518 Critical value: 0.6786 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Epicoccum				13
Penicillium/Aspergillus types				53
Total				66

Location: 20802001-TM11ME

% 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: 5.3162 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-TM12ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 21%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.1518 Critical value: 0.6786 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Epicoccum	13
Penicillium/Aspergillus types	53
Total	66

Location: 20802001-TM13ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 8%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.8571 Critical value: 0.7714 Outside Similar: Yes	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	13
Penicillium/Aspergillus types	13
Total	26

Location: 20802001-TM14ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 4%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 102 Result: Low

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

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM15ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 17%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

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

Location: 20802001-TM16ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 21%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.5286 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	53
Smuts, Periconia, Myxomycetes	13
Total	66

Location: 20802001-TM17ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 104%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.8143 Critical value: 0.7714 Outside Similar: Yes	Score: 132 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	107
Penicillium/Aspergillus types	213
Total	320

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MoldSTAT™: Supplementary Statistical Spore Trap Report

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20802001-TM18OutME:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	13	7 - 27 - 390	55
Ascospores	ND	13 - 160 - 4,200	76
Basidiospores	ND	13 - 320 - 14,000	92
Cladosporium	160	40 - 530 - 8,500	95
Penicillium/Aspergillus types	147	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	40	7 - 40 - 760	70
Total	360		

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-TM02ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 29%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.4000 Critical value: N/A Outside Similar: N/A	Score: 116 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Penicillium/Aspergillus types	107
Total	107

Location: 20802001-TM03ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 29%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 4 Result: 0.9000 Critical value: N/A Outside Similar: N/A	Score: 107 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	53
Penicillium/Aspergillus types	53
Total	106

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM04ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 14%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.4000 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-TM05ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 29%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 4 Result: 0.9000 Critical value: N/A Outside Similar: N/A	Score: 107 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Cladosporium				53
Penicillium/Aspergillus types				53
Total				106

Location: 20802001-TM06ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 14%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.4000 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-TM07ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 14%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.4000 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-TM08ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 18%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.0000 Critical value: 0.8000 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Basidiospores				13
Penicillium/Aspergillus types				53
Total				66

Location: 20802001-TM09ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 14%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.4000 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

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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM10ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 18%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.0000 Critical value: 0.8000 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Epicoccum	13
Penicillium/Aspergillus types	53
Total	66

Location: 20802001-TM11ME

% 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: 5.3162 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-TM12ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 18%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.0000 Critical value: 0.8000 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Epicoccum	13
Penicillium/Aspergillus types	53
Total	66

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Date of Sampling: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20802001-TM13ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 7%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 4 Result: 0.9000 Critical value: N/A Outside Similar: N/A	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	13
Penicillium/Aspergillus types	13
Total	26

Location: 20802001-TM14ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.4000 Critical value: N/A Outside Similar: N/A	Score: 102 Result: Low

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

Location: 20802001-TM15ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 14%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.4000 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-TM16ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 18%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 4 Result: 0.1500 Critical value: N/A Outside Similar: N/A	Score: 108 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Penicillium/Aspergillus types	53
Smuts, Periconia, Myxomycetes	13
Total	66

Location: 20802001-TM17ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 88%	dF: 15 Result: 5.3162 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6667	dF: 4 Result: 0.7500 Critical value: N/A Outside Similar: N/A	Score: 130 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	107
Penicillium/Aspergillus types	213
Total	320

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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

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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20802001-TM01OutME

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		3	160
Curvularia		ND	< 13
Nigrospora		ND	< 13
Other brown		1	13
Penicillium/Aspergillus types†		1	53
Stachybotrys		ND	< 13
Torula		2	27
Seldom found growing indoors**			
Ascospores††		ND	< 13
Basidiospores††		1	13
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		3	40
Total			**306**

Location: 20802001-TM02ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	107		117
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**117**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM03ME

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†		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			**106**	**Final MoldSCORE**	**108**

Location: 20802001-TM04ME

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-TM05ME

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†		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			**106**	**Final MoldSCORE**	**108**

Location: 20802001-TM06ME

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-TM07ME

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-TM08ME

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

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM09ME

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-TM10ME

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
Epicoccum		1	13		105
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			**66**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM11ME

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-TM12ME

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
Epicoccum		1	13		105
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			**66**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM13ME

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†		1	13		102
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**26**	**Final MoldSCORE**	**102**

Location: 20802001-TM14ME

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

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Re: 20802001

Date of Sampling: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM15ME

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-TM16ME

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††		1	13		102
Total			**66**	**Final MoldSCORE**	**108**

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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-20-2008

MoldSCORE™: Spore Trap Report

Location: 20802001-TM17ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	107		105
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		4	213		132
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			**320**	**Final MoldSCORE**	**132**

*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-TM18OutME

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		1	13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		3	160
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		11	147
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		ND	< 13
Basidiospores††		ND	< 13
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		3	40
Total			**360**

Location: 20802001-TM02ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	107		116
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**116**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM03ME

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†		1	53		107
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**106**	**Final MoldSCORE**	**107**

Location: 20802001-TM04ME

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-TM05ME

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†		1	53		107
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**106**	**Final MoldSCORE**	**107**

Location: 20802001-TM06ME

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-TM07ME

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-TM08ME

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

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM09ME

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-TM10ME

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
Epicoccum		1	13		105
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			**66**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM11ME

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-TM12ME

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
Epicoccum		1	13		105
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			**66**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM13ME

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†		1	13		102
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**26**	**Final MoldSCORE**	**102**

Location: 20802001-TM14ME

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

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM15ME

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-TM16ME

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††		1	13		102
Total			**66**	**Final MoldSCORE**	**108**

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MoldSCORE™: Spore Trap Report

Location: 20802001-TM17ME

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	107		105
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		4	213		130
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			**320**	**Final MoldSCORE**	**130**

*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.

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: 2/15/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EML Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TM01OUTME	75L	Aflagrow	Total mold assessment
-TM02ME			
-TM03ME			
-TM04ME			
-TM05ME			
-TM06ME			
-TM07ME			
-TM08ME			
-TM09ME			
-TM10ME			
-TM11ME			
-TM12ME			
-TM13ME			
-TM14ME			
-TM15ME			
-TM16ME			

Special Instructions:

1. Sampled by: Mike Ess 2/14/08 17:00
2. Relinquished by: [illegible] 10:00 2-15-08
3. Relinquished by:

Received by: [illegible] 2-15-8 9:00
Received by: [illegible] 2/15/08 [illegible]
Received by: [illegible] M021808/1400

Please include signature, date, and time

Lab Use Only:

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Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/15/08
Project Contact: Wes Frey Turnaround Required: Standard
Lab Destination: EML Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TMOME	75L	Allergenco-D	Total mold assessment
20802001-TMIBOURME	↓	↓	↓

Special Instructions:

1. Sampled by: Makka Em 2/14/08 17:00 Received by: [illegible] 11-14-08 9:00
2. Relinquished by: [illegible] 2-15-08 10:00 Received by: [illegible] 2/18/08 10AM
3. Relinquished by: Received by: [illegible] M021808/1400

Please include signature, date, and time

Lab Use Only: 388468

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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: 389465

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 02-26-2008

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

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

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

Date of Sampling: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-26-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM100outJL		20802001-VM101JL		20802001-VM102JL		20802001-VM103JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1709422-1		1709423-1		1709424-1		1709425-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger								
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group	1	18						
Botrytis								
Chaetomium								
Cladosporium	16	283	1	18				
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi							1	18
Paecilomyces								
Penicillium	4	71						
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts	2	35	1	18				
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		407		36		< 18		18

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

Comments:

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

EMLab P&K
5473 Kearny Villa Road, Suite 130, San Diego, CA 92123
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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-26-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM104JL		20802001-VM105JL		20802001-VM106JL		20802001-VM107JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1709426-1		1709427-1		1709428-1		1709429-1	
	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	1	18						
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi								
Paecilomyces								
Penicillium								
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		18		< 18		18		< 18

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

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20802001

Date of Sampling: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-26-2008

CULTURABLE AIR FUNGI REPORT

Location:	20802001-VM108JL		20802001-VM109outJL	
Comments (see below)	None		None	
Lab ID-Version‡:	1709430-1		1709431-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium				
Alternaria			1	18
Aspergillus flavus				
Aspergillus fumigatus				
Aspergillus nidulans				
Aspergillus niger				
Aspergillus ochraceus			1	18
Aspergillus versicolor				
Aureobasidium				
Basidiomycetes				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			18	318
Curvularia				
Epicoccum			2	35
Fusarium				
Non-sporulating fungi				
Paecilomyces				
Penicillium			1	18
Phoma				
Rhizopus				
Stachybotrys chartarum				
Ulocladium				
Yeasts				
Positive Hole	400		400	
Sample volume (liters)	56.6		56.6	
TOTAL CFU*/M3		< 18		407

* 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.
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Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/15/08

Project Contact: Wes Frey Turnaround Required: standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-VM100outJL	24.6	MEA	Viable Fungi Analysis
-VM101JL			
-VM102JL			
-VM103JL			
-VM104JL			
-VM105JL			
-VM106JL			
-VM107JL			
-VM108JL			
-VM109outJL			

Special Instructions:

1. **Sampled by:** JL 2.14.08 1700 **Received by:** EJ 2.15.08 9:00
2. **Relinquished by:** EJ 2.15.08 09:00 **Received by:** [illegible] 2/15/08 2PM
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only:

38965

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: 389463

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Direct microscopic exam (Qualitative): 02-19-2008
Spore trap analysis: 02-19-2008

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

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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-19-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM100CCJL		20802001-TM101CCJL		20802001-TM102CCJL		20802001-TM103CCJL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1709390-1		1709391-1		1709392-1		1709393-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*			2	27	1	13		
Aureobasidium								
Basidiospores*							1	13
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	3	160			1	53	2	107
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora			1	13				
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*					1	13	3	40
Smuts*, Periconia, Myxomycetes*					1	13		
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+		2+		3+		2+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		160		40		92		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.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
‡ A "Version" greater than 1 indicates amended data.

EMLab P&K
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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-19-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20802001-TM104CCJL		20802001-TM105CCJL		20802001-TM106CCJL		20802001-TM107CCJL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1709394-1		1709395-1		1709396-1		1709397-1	
	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	1	53	1	53	1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other colorless								
Penicillium/Aspergillus types†	1	13	1	53	1	53	1	53
Pithomyces								
Rusts*					1	13		
Smuts*, Periconia, Myxomycetes*					1	13		
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+		3+		2+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		26		106		132		106

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

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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: 02-14-2008
Date of Receipt: 02-15-2008
Date of Report: 02-19-2008

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‡: 1709382-1: Swab sample 20802001-S01JL				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1709383-1: Swab sample 20802001-S02JL				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1709384-1: Swab sample 20802001-S03JL				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1709385-1: Swab sample 20802001-S04JL				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1709386-1: Swab sample 20802001-S05JL				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1709387-1: Swab sample 20802001-S06JL				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1709388-1: Swab sample 20802001-S07JL				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1709389-1: Swab sample 20802001-S08JL				
Heavy	Very few	None	None	Normal trapping

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

HYGIENETECH
Hygiene Technologies International, Inc.
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Torrance, California 90503-16
(310) 370-83
(310) 370-2474 F
www.hygienetech.c

Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/15/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EMLab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TM100CC	75L	allergenco D	total mold assessment
-TM101CCJL			
-TM102CCJL			
-TM103CCJL			
-TM104CCJL			
-TM105CCJL			
-TM106CCJL			
-TM107CCJL			
-S01JL			
-S02JL			
-S03JL			
-S04JL			
-S05JL			
-S06JL			
-S07JL			
-S08JL			

Special Instructions:

1. Sampled by: John L 2/14/08
2. Relinquished by: Elaine 10:00
3. Relinquished by:

Received by: Elaine 11-14-07 9:00
Received by: [illegible] 2/15/08
Received by: [illegible] 021808/14

Please include signature, date, and time

Lab Use Only:

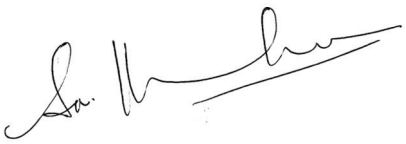
EMLab P&K

Report for:

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

Regarding: Project: 20802001
EML ID: 390731

Approved by:



Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Direct microscopic exam (Qualitative): 02-22-2008

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

EMLab P&K
1150 Bayhill Drive, Suite 100, San Bruno, CA 94066
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

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

Date of Sampling: 02-15-2008
Date of Receipt: 02-20-2008
Date of Report: 02-22-2008

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‡: 1716476-1: Tape sample 20802001-TL59ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716477-1: Tape sample 20802001-TL60ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716478-1: Tape sample 20802001-TL61ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716479-1: Tape sample 20802001-TL62ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716480-1: Tape sample 20802001-TL63ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716481-1: Tape sample 20802001-TL64ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716482-1: Tape sample 20802001-TL65ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716483-1: Tape sample 20802001-TL66ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716484-1: Tape sample 20802001-TL67ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716485-1: Tape sample 20802001-TL68ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716486-1: Tape sample 20802001-TL69ME				
Light	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1716487-1: Tape sample 20802001-TL70ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716488-1: Tape sample 20802001-TL71ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716489-1: Tape sample 20802001-TL72ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716490-1: Tape sample 20802001-TL73ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716491-1: Tape sample 20802001-TL74ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716492-1: Tape sample 20802001-TL75ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716493-1: Tape sample 20802001-TL76ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716494-1: Tape sample 20802001-TL77ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716495-1: Tape sample 20802001-TL78ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716496-1: Tape sample 20802001-TL79ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716497-1: Tape sample 20802001-TL80ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716498-1: Tape sample 20802001-TL81ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716499-1: Tape sample 20802001-TL82ME				
Moderate	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‡: 1716500-1: Tape sample 20802001-TL83ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716501-1: Tape sample 20802001-TL84ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716502-1: Tape sample 20802001-TL85ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716503-1: Tape sample 20802001-TL86ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716504-1: Tape sample 20802001-TL87ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716505-1: Tape sample 20802001-TL88ME				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1716506-1: Tape sample 20802001-TL89ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716507-1: Tape sample 20802001-TL90ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716508-1: Tape sample 20802001-TL91ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716509-1: Tape sample 20802001-TL92ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716510-1: Tape sample 20802001-TL93ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716511-1: Tape sample 20802001-TL94ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716512-1: Tape sample 20802001-TL95ME				
Light	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1716513-1: Tape sample 20802001-TL96ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716514-1: Tape sample 20802001-TL97ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1716515-1: Tape sample 20802001-TL98ME				
Light	Very few	None	None	Normal trapping

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

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
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Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/19/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TL59ME	N/A	tape	surface fungi ID qualitative
-TL60ME			
-TL61ME			
-TL62ME			
-TL63ME			
-TL64ME			
-TL65ME			
-TL66ME			
-TL67ME			
-TL68ME			
-TL69ME			
-TL70ME			
-TL71ME			
-TL72ME			
-TL73ME			
-TL74ME			

Special Instructions:

1. Sampled by: Makka EM 2/15/08
2. Relinquished by: [signature] 4:30 2/15/08 Received by: [signature] 2/15/08 4:
3. Relinquished by: Received by: [signature] 2/20/08 945 Am

Please include signature, date, and time

Lab Use Only: 390731

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Request For Analysis

Project Number/Purchase Order: 20807001 Date Submitted: 2/19/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20807001-TL75ME	N/A	tape	surface fungi ID qualitative
-TL76ME			
-TL77ME			
-TL78ME			
TL79ME			
TL80ME			
TL81ME			
TL82ME			
TL83ME			
TL84ME			
TL85ME			
TL86ME			
TL87ME			
TL88ME			
TL89ME			
TL90ME			

Special Instructions:

1. Sampled by: Makka EM 2/15/08
2. Relinquished by: 4:30 2/18/08
3. Relinquished by:

Received by: 2/19/08 4:00
Received by: 2/20/08 9:45 AM
Received by:

Please include signature, date, and time

Lab Use Only: 390731

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Request For Analysis

Project Number/Purchase Order: 20802001 Date Submitted: 2/19/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EML Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20802001-TL91ME	N/A	Tape	Surface fungi ID qualitative
TL92ME	↓	↓	↓
TL93ME			
TL94ME			
TL95ME			
TL96ME			
TL97ME			
TL98ME			
~~TL99ME~~			

Special Instructions:

1. Sampled by: Mike Fox 2/15/08 17:00 Received by: 2/15/08 9:00
2. Relinquished by: 2/15/08 9:30 Received by: 2/20/08 9:45 AM
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only: 390731