



HYGIENETECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-7026 FAX
www.hygienetech.com

July 20, 2011

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

Document No. 21106001.1

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
21st Floor Pre-Occupancy Assessment

Dear Mr. Gau:

On June 27, 2011, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 21st Floor of the State of California Board of Equalization (BOE) building located at the above mentioned address. This survey was performed in response to BOE's need to reoccupy the 21st Floor subsequent to fungal growth remediation and other renovation work performed under the direction of the State of California Department of General Services (DGS) on that floor. At the time of the survey, various samples were collected and direct-reading instruments were used to assess the general indoor air quality. 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



HYGIENETECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-7026 FAX
www.hygienetech.com

**LIMITED INDOOR AIR QUALITY SURVEY
PRE-OCCUPANCY ASSESSMENT – 21ST FLOOR**

**450 N STREET
SACRAMENTO, CALIFORNIA**

PREPARED FOR:

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

PREPARED BY:

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

JULY 20, 2011



1.0 BACKGROUND

On June 27, 2011, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 21st Floor of the State of California Board of Equalization (BOE) building located at 450 N Street in Sacramento, California. This survey was performed in response to BOE's need to reoccupy the 21st Floor subsequent to fungal growth remediation and other renovation work performed under the direction of the State of California Department of General Services (DGS) on that floor. During the survey, a variety of samples were collected and direct-reading instruments were used to assess the general indoor air quality on the 21st Floor of the subject building. Various air samples were collected in order to assess fungal growth exposure potentials. In addition, air samples were collected throughout the floor for fibrous dust, 4-phenylcyclohexene, formaldehyde, total dust, and total volatile organic compounds (VOCs) analysis. Direct-reading instruments were also used to determine airborne VOCs, carbon dioxide (CO₂), air temperature, and relative humidity.

2.0 OBSERVATIONS

The interior building materials of the 21st Floor included, but were not limited to, metal window frames; painted gypsum board and/or metal windowsills; metal doorjambs and door frames; painted gypsum board walls in the general work areas; tile covered walls and painted gypsum board ceilings in the restrooms; suspended 2' by 4' ceiling tiles and or gypsum board ceilings in the general work areas; ceramic tile flooring in the restrooms, vinyl tile flooring in the break rooms and storage rooms; and carpet flooring in the hallways, elevator lobby and general work areas.

The floor was unoccupied on the survey date but was furnished with typical office desks, upholstered chairs, shelves, fabric covered cubicles, and other general office items. Note that new carpet had been installed in the hallways as well as elevator lobby and new vinyl floor tiles had been installed in the storage rooms, mail room, and copy room areas of the floor in the weeks preceding the survey date.

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, 4-phenylcyclohexene, formaldehyde, total dust and total volatile organic compounds (VOCs) determinations using 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 applicable blanks (identical sampling media through which no air was drawn) 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 VOC levels, the results of which appear in Table 21106001-7 in Appendix A of this report. A discussion of the airborne CO₂ data, along with air temperature and relative humidity results, appears in Section 4.0 of this report. Additional information concerning the specific sampling and analytical methods appears below.



3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.1 Airborne Total Fungi

Air samples for airborne total (viable and nonviable) fungi determinations were collected using a Zefon brand Bio-Pump™ equipped with Air-O-Cell™ cassettes. All such samples were collected at various indoor locations and two samples were collected outdoors for comparison purposes. The resultant data, which are presented in spores per cubic meter of air (spores/M³), appear in Table 21106001-1.

3.2 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 21106001-2.

3.3 Airborne Total Dust

Area air samples for total dust determination were collected at stationary locations on filter cassettes containing pre-weighed 37-millimeter diameter, polyvinyl chloride filters having a pore size of five micrometers. The samples were analyzed by gravimetric method in accordance with the NIOSH Method 0500. These data are presented in milligrams per cubic meter of air (mg/M³) and appear in Table 21106001-3.

3.4 Formaldehyde

Area air samples were collected for formaldehyde determinations using DNPH silica gel sorbent tubes. The analyses were performed by high performance liquid chromatography using an ultraviolet detector in accordance with a modified NIOSH Method 2016. These data are presented in parts per million (ppm) and appear in Table 21106001-4.

3.5 Airborne 4-Phenylcyclohexene

One area air sample for 4-phenylcyclohexene was collected using a mini-canister that was calibrated by and received from Galson Laboratories, and was analyzed by gas chromatography with mass spectrometry detection (GC-MS) in accordance with the modified OSHA PV2120/U.S. EPA Method TO15. These data are presented in parts per billion volume (ppbv) and appear in Table 21106001-5.

3.6 Airborne Volatile Organic Compounds

Area air samples for total VOCs were collected using mini-canisters that were calibrated by and received from Galson Laboratories, and each sample was analyzed by GC-MS in accordance with the modified OSHA PV2120/U.S. EPA Method TO15. These data are presented in parts per million and appear in Table 21106001-6.



3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.6 Airborne Volatile Organic Compounds (Continued)

Direct-reading air measurements for VOCs were also recorded at various locations on the 21st 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 ppm.

3.7 Airborne Carbon Dioxide

Direct-reading air measurements for airborne CO₂ concentration was recorded at a stationary location using a Telaire[®] 7001 Carbon Dioxide and Temperature Monitor. The data are presented in ppm.

3.8 Air Temperature and Relative Humidity

Air temperature and relative humidity data were recorded at stationary locations using a Telaire[®] 7001 Carbon Dioxide and Temperature Monitor and Extech Instrument hygro-thermometer.

4.0 DISCUSSION

4.1 Airborne Total Fungi

The airborne total fungi data showed mostly common fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Curvularia*, *Epicoccum*, *Oidium*, rusts, smuts, *Stachybotrys*, *Stemphylium*, and/or *Ulocladium*, with *Cladosporium* predominating. Indoors, the ambient data showed that airborne fungal spores were either not detected at or above the laboratory analytical detection limit or were detected at low airborne concentrations. The common fungal spore types found indoors included *Alternaria*, basidiospores, *Cladosporium*, and/or smuts. Indoors, the distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall data recorded outdoors. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

4.2 Airborne Fibrous Dust

The data recorded in the surveyed areas indicated that airborne fibrous dusts were detected at levels ranging from 0.007 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, cellulose (paper or wood composition), gypsum, and other fibrous dusts common in the environment, are well below the current Cal-OSHA 8-hour TWA PEL for asbestos fibers of 0.1 f/cc, the most restrictive exposure limit for fibrous dusts.



4.0 DISCUSSION (CONTINUED)

4.3 Airborne Total Dust

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

The data recorded in the surveyed areas showed that airborne total dust was not detected at or above the laboratory analytical detection limits of 0.21 mg/M³. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data are well below the State of California, Department of Industrial Relations, Division of Occupational Safety and Health (Cal-OSHA) 8-hour time-weighted average (TWA) permissible exposure limit (PEL) for total dust of 10 mg/M³, as defined in Title 8 of the California Code of Regulations, Section 5155 (T8, CCR § 5155). Note that these data are also well below the American Conference of Governmental Industrial Hygienists 8-hour TWA threshold limit value (TLV-TWA) for particulate (not otherwise specified) of 10 mg/M³; 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.

4.4 Formaldehyde

The data recorded in the surveyed areas indicated that airborne formaldehyde was either not detected at or above the laboratory analytical detection limit of 0.006 ppm or was detected at the levels of 0.006 ppm and 0.01 ppm. Because these samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data are well below the State of California, Department of Industrial Relations, Division of Occupational Safety and Health (Cal-OSHA) 8-hour time-weighted average (TWA) permissible exposure limit (PEL) for Formaldehyde of 0.75 ppm, as defined in Title 8 of the California Code of Regulations, Section 5155 (T8, CCR § 5155).

4.5 Airborne 4-Phenylcyclohexene

The airborne datum indicated that 4-phenylcyclohexene was not detected at or above the laboratory analytical detection limits of 1.0 ppbv. Although current standards or guidelines have not been established for 4-phenylcyclohexene at the time of this report, this datum is considered unremarkable

4.6 Airborne Volatile Organic Compounds

The airborne data indicated that a majority of the VOCs were not detected at or above the laboratory analytical detection limits listed in the enclosed Galson Laboratories report. The remaining VOCs were detected at very low levels which, when listed, were found to be well below applicable Cal-OSHA PELs. These data are also well below the industry guidelines established by the American



4.0 DISCUSSION (CONTINUED)

4.6 Airborne Volatile Organic Compounds (Continued)

Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE), which are theoretical values for non-occupational environments of 1/10 of the American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit values (TLV).

With the use of a direct-reading photoionization detector, VOCs were detected at levels ranging from less than the instrument detection limit of 0.1 ppm to a peak level of 0.2 ppm, with average levels that did not exceed the instrument detection limit of 0.1 ppm. Because these data were recorded at various 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 also 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.

4.7 Airborne Carbon Dioxide

The direct-reading results indicated that CO₂ was detected at levels ranging from 500 to 568 ppm on the 21st Floor. While these data were somewhat higher than the expected outdoor CO₂ levels, which generally range between 320 and 350 ppm, they are considered normal for indoor environments and they are all well below the Cal-OSHA 8-hour TWA PEL for CO₂ of 5000 ppm (T8, CCR, § 5155). They are also below the level of 1000 ppm, which is essentially equivalent to the recommended upper limit for building occupant comfort and odor control established by ASHRAE (not greater than 700 ppm above the outdoor CO₂ value) as stated in ASHRAE 62-2001.

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

4.8 Air Temperature and Relative Humidity

The recorded air temperatures ranged between 70.9 and 73.5 degrees Fahrenheit (°F). Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer).

Relative humidity data were recorded indoors at levels ranging from 38.1 to 43.4 percent. Such levels were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.



5.0 CONCLUSIONS

- 5.1 The airborne total fungi data recorded in the surveyed areas showed airborne fungi levels that were below those recorded outdoors and therefore considered unremarkable. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.
- 5.2 The airborne total and fibrous dust, 4-phenylcyclohexene, formaldehyde, VOC, and CO₂ levels 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.
- 5.3 The air temperatures ranged between 70.9 and 73.5 degrees Fahrenheit (°F). Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). Relative humidity data were recorded indoors at levels ranging from 38.1 to 43.4 percent. Such levels were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.
- 5.4 Be advised that the data provided in this report only represent fungal growth 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 21st Floor, additional assessment evaluations may be required as more information is known regarding the history of water intrusion episodes in discrete building areas.

- 6.1 Additional fungal growth remediation is potentially required within the core of the 21st Floor due to known fungal growth reservoirs confirmed in similar areas on other floors during destructive testing, as stated by LaCroix Davis, LLC in their *California State Board of Equalization Building Assessment – Final Report* dated February 29, 2009. The purpose of this assessment was to allow the BOE to safely reoccupy the 21st Floor. Until such time that these confirmed fungal growth and perhaps other unknown reservoirs are remediated within the structure, it is highly likely that complaints related to fungal growth-like odors, which has been a common concern on several floor, will continue to be an issue. The HygieneTech investigation into the odor complaints, conclusions, and recommendations can be found in HygieneTech Document No. 20903001.1 dated May 4, 2009.



6.0 RECOMMENDATIONS (CONTINUED)

- 6.2 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.
- 6.3 Air temperatures levels on the 21st 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 21st Floor do experience non-specific ill effects of unknown etiology, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If more information becomes available, further investigation and air monitoring may be warranted.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH
Technical Director

Date: July 20, 2011

Brian P. Daly, CIH, PE
President

Date: July 20, 2011

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

**TABLE 21106001-1
AIRBORNE TOTAL FUNGI RESULTS
21ST FLOOR
SACRAMENTO, CALIFORNIA
JUNE 27, 2011**

Page 1

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

SAMPLE NUMBER	21106001-1 TM01OUT	21106001-1 TM02	21106001-1 TM03	21106001-1 TM04
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet east of building; approximately five feet above ground/Normal outdoor activities	Storage Room 21B; about center; approximately five feet above floor/Sampling activities only	Elevator lobby; about center; approximately five feet above floor/Sampling activities only	Northern hallway; immediately north of stairwell entry door; approximately five feet above floor/Sampling activities only
START/STOP SAMPLE TIME	15:17:00/15:22:00 5 minutes	15:29:00/15:34:00 5 minutes	15:35:00/15:40:00 5 minutes	15:42:00/15:47:00 5 minutes
Alternaria	200	13		
Arthrimum				
Ascospores	110			
Aureobasidium				
Basidiospores	320	13	53	
Bipolaris/Drechslera group				
Chaetomium	13			
Cladosporium	2,900			160
Curvularia	13			
Epicoccum	13			
Fusarium				
Nigrospora				
Oidium				
Penicillium/Aspergillus types	110			
Pithomyces				
Rusts	93			
Smuts (Periconia, Myxomycetes)	1,800	53	40	80
Stachybotrys	27			
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	250	<13	<13	<13
Background debris*	2+	2+	2+	2+
TOTAL **	5,600	80	93	240

*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+.

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21106001-1
AIRBORNE TOTAL FUNGI RESULTS
21ST FLOOR
SACRAMENTO, CALIFORNIA
JUNE 27, 2011

Page 2

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

SAMPLE NUMBER	21106001-1 TM05	21106001-1 TM06	21106001-1 TM07	21106001-1 TM08
SAMPLING LOCATION/ACTIVITIES	Southern hallway; immediately south of stairwell entry door; approximately five feet above floor/Sampling activities only	Copy Room 2115; about center; approximately five feet above floor/Sampling activities only	Column N22 area; Cubicle 70; about center; approximately five feet above floor/Sampling activities only	Column L17 area; Cubicle 124; about center; approximately five feet above floor/Sampling activities only
START/STOP	15:50:00/15:55:00	15:57:00/16:02:00	16:09:00/16:14:00	16:18:00/16:23:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Chaetomium				
Cladosporium		53		
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	190	160		250
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	13	<13	13
Background debris*	2+	1+	1+	1+
TOTAL**	190	230	<13	250

*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+.

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21106001-1
AIRBORNE TOTAL FUNGI RESULTS
21ST FLOOR
SACRAMENTO, CALIFORNIA
JUNE 27, 2011

Page 3

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

SAMPLE NUMBER	21106001-1 TM09	21106001-1 TM10OUT		
SAMPLING LOCATION/ACTIVITIES	Column K20 area; Cubicle 31; about center; approximately five feet above floor/Sampling activities only	Outdoors; about 15 feet north of building; approximately five feet above ground/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
START/STOP	16:26:00/16:31:00	16:43:00/16:48:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria		390		
Arthrinium				
Ascospores		110		
Aureobasidium				
Basidiospores		480		
Bipolaris/Drechslera group		27		
Chaetomium				
Cladosporium		3,400		
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium		67		
Penicillium/Aspergillus types		320		
Pithomyces				
Rusts		690		
Smuts (Periconia, Myxomycetes)	13	1,900		
Stachybotrys				
Stemphylium		27		
Torula				
Ulocladium		13		
Hyphal fragments	40	640		
Background debris*	1+	3+		
TOTAL **	13	7,400		

*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+.

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21106001-2
21ST FLOOR
AIRBORNE FIBERS RESULTS
SACRAMENTO, CALIFORNIA
JUNE 27, 2011

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (f/cc)	PEL (f/cc)
Area Sample	Column K21 area; Cubicle immediately north of Column K21; northern portion; approximately five feet above floor/Sampling activities only	N/A	21106001-2 F01	08:13/ 12:13	240 minutes	Fibers	0.008	0.1
Area Sample	Mail Room 21B; about center; approximately five feet above floor/Sampling activities only	N/A	21106001-2 F02	08:20/ 12:20	240 minutes	Fibers	0.007	0.1
Area Sample	Northern hallway; about two feet south of Break Room 2113; approximately five feet above floor/Sampling activities only	N/A	21106001-2 F03	12:27/ 16:27	240 minutes	Fibers	0.007	0.1
Blank	N/A	N/A	21102001-2 F04BLANK	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

f/cc: Fibers per cubic centimeter of air

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21106001-3
21ST FLOOR
AIRBORNE TOTAL DUST RESULTS
SACRAMENTO, CALIFORNIA
JUNE 27, 2011

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/M ³)	PEL (mg/M ³)
Area Sample	Column K21 area; Cubicle immediately north of Column K21; northern portion; approximately five feet above floor/Sampling activities only	N/A	21106001-3 TD01	08:29/ 12:31	242 minutes	Total Dust	<0.21	10
Area Sample	Elevator lobby; northeastern corner; emergency defibrillator box approximately five feet above floor/Sampling activities only	N/A	21106001-3 TD02	08:33/ 12:34	241 minutes	Total Dust	<0.21	10
Area Sample	Mail Room 21B; about center; approximately five feet above floor/Sampling activities only	N/A	21106001-3 TD03	08:39/ 12:39	240 minutes	Total Dust	<0.21	10
Blank	N/A	N/A	21106001-3 TD04BLANK	N/A	N/A	Total Dust	All data blank corrected	N/A

LEGEND

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

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

** Note that area sample results have been converted from Micrograms per cubic meter to Milligrams per cubic meter

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21106001-4
21ST FLOOR
AIRBORNE FORMALDEHYDE RESULTS
SACRAMENTO, CALIFORNIA
JUNE 27, 2011

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS** (ppm)	PEL (ppm)
Area Sample	Column L23 area; Cubicle 53; western cubicle partition; approximately five feet above floor/Sampling activities only	N/A	21106001-4 FO01	14:38/ 15:53	75 minutes	Formaldehyde	0.01	0.75
Area Sample	Copy Room 2115; northeastern corner; approximately five feet above floor/Sampling activities only	N/A	21106001-4 FO02	14:41/ 15:56	75 minutes	Formaldehyde	0.006	0.75
Area Sample	Northern hallway; northwestern drinking fountain area; approximately five feet above floor/Sampling activities only	N/A	21106001-4 FO03	14:43/ 15:58	75 minutes	Formaldehyde	<0.006	0.75
Blank	N/A	N/A	21106001-4 FO04BLANK	N/A	N/A	Formaldehyde	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
ppm: Parts per million

<: Less than
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
** Note that area sample results have been converted from parts per billion to parts per million

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21106001-5
21ST FLOOR
AIRBORNE 4-PHENYLCYCLOHEXENE RESULTS
SACRAMENTO, CALIFORNIA
JUNE 27, 2011

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (ppbv)	PEL (ppbv)
Area Sample	Elevator lobby; northeastern corner; emergency defibrillator box; approximately five feet above floor/Sampling activities only	N/A	21106001-5 4PCH01	07:40/ 15:40	480 minutes	4-Phenylcyclohexene	<1.0	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PPBV: Parts per billion volume

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 21106001-6
TOTAL VOLATILE ORGANIC COMPOUNDS
21ST FLOOR
SACRAMENTO, CALIFORNIA
JUNE 27, 2011

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT*	RESULTS** (ppm)	PEL (ppm)
Area Sample	Mail Room 21B; northern portion; about center; approximately four feet above floor/Sampling activities only	N/A	21106001-5 TV01	07:35/15:35	480 minutes	61 Compounds profile	ND	N/A
						Tentatively identified compounds	ND	N/A
Area Sample	Column N22 area; about two feet north of Column N22; approximately four feet above floor/Sampling activities only	N/A	21106001-5 TV02	07:37/15:37	480 minutes	61 Compounds profile		
						Acetone	0.016	500
						Isopropyl alcohol	0.022	400
						Tentatively identified compounds		
Ethanol	0.0051	1000						
Isobutane	0.0059	N/L						
Area Sample	Elevator lobby; northeastern corner; approximately five feet above floor/Sampling activities only	N/A	21106001-5 TV03	07:39/15:39	480 minutes	61 Compounds profile	ND	N/A
						Tentatively identified compounds	ND	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
ppm: Parts per million
N/L: Not Listed
ND: Not detected at or above the laboratory analytical detection limit

* Refer to the enclosed Galson Laboratories analytical report for a full list of chemical compounds
** Note that area sample results have been converted from parts per billion to parts per million

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

**TABLE 21107001-7
DIRECT-READING RESULTS
21ST FLOOR
SACRAMENTO, CALIFORNIA
JUNE 27, 2011**

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
Elevator lobby; approximately five feet above floor/Sampling activities only	11:52/12:02	Volatile Organic Compounds	Average: <0.1 Peak: 0.1	N/A
Mail Room 21B; approximately five feet above floor/Sampling activities only	12:06/12:16	Volatile Organic Compounds	Average: <0.1 Peak: <0.1	N/A
Storage Room 21D; approximately five feet above floor/Sampling activities only	12:20/12:33	Volatile Organic Compounds	Average: <0.1 Peak: <0.1	N/A
Storage Room 21A; approximately five feet above floor/Sampling activities only	12:41/12:51	Volatile Organic Compounds	Average: <0.1 Peak: <0.1	N/A
Copy Room 2115; approximately five feet above floor/Sampling activities only	12:53/13:03	Volatile Organic Compounds	Average: <0.1 Peak: <0.1	N/A
Storage Room 21E; approximately five feet above floor/Sampling activities only	13:05/13:15	Volatile Organic Compounds	Average: <0.1 Peak: 0.2	N/A
Storage Room 21C; approximately five feet above floor/Sampling activities only	13:19/13:29	Volatile Organic Compounds	Average: <0.1 Peak: 0.1	N/A
Northern quadrant; approximately five feet above floor/Sampling activities only	13:37/13:47	Volatile Organic Compounds	Average: <0.1 Peak: <0.1	N/A
Eastern quadrant; approximately five feet above floor/Sampling activities only	13:51/14:01	Volatile Organic Compounds	Average: <0.1 Peak: <0.1	N/A
Southern quadrant; approximately five feet above floor/Sampling activities only	14:08/14:18	Volatile Organic Compounds	Average: <0.1 Peak: <0.1	N/A
Western quadrant; approximately five feet above floor/Sampling activities only	14:22/14:32	Volatile Organic Compounds	Average: <0.1 Peak: <0.1	N/A

LEGEND

ND: Not detected
<: Less than

N/A: Not applicable
ppm: Parts per million



Report for:

Mr. Wesley Frey, Mr. Larry Sandhu, Mr. Ken Tse
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21106001-1
EML ID: 799397

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 06-28-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey, Mr. Larry Sandhu, Mr. Ken Tse
Re: 21106001-1

Date of Submittal: 06-27-2011
Date of Receipt: 06-28-2011
Date of Report: 06-29-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21106001-1TM01OUT		21106001-1TM02		21106001-1TM03		21106001-1TM04	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	3541172-1		3541173-1		3541174-1		3541175-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	15	200	1	13				
Arthrinium								
Ascospores*	2	110						
Aureobasidium								
Basidiospores*	6	320	1	13	1	53		
Bipolaris/Drechslera group								
Chaetomium	1	13						
Cladosporium	54	2,900					3	160
Curvularia	1	13						
Epicoccum	1	13						
Fusarium								
Nigrospora								
Oidium								
Penicillium/Aspergillus types†	2	110						
Pithomyces								
Rusts*	7	93						
Smuts*, Periconia, Myxomycetes*	136	1,800	4	53	3	40	6	80
Stachybotrys	2	27						
Stemphylium								
Torula								
Ulocladium								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	250		< 13		< 13		< 13	
Pollen/m3	27		< 13		13		< 13	
Skin cells (1-4+)	1+		< 1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		5,600		80		93		240

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
 * Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
 †† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
 ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
 § Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey, Mr. Larry Sandhu, Mr. Ken Tse
 Re: 21106001-1

Date of Submittal: 06-27-2011
 Date of Receipt: 06-28-2011
 Date of Report: 06-29-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21106001-1TM05		21106001-1TM06		21106001-1TM07		21106001-1TM08	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	3541176-1		3541177-1		3541178-1		3541179-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13				
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Chaetomium								
Cladosporium			1	53				
Curvularia								
Epicoccum								
Fusarium								
Nigrospora								
Oidium								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	14	190	12	160			19	250
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Background debris (1-4+)††	2+		1+		1+		1+	
Hyphal fragments/m3	< 13		13		< 13		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	2+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		190		230		< 13		250

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
 * Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
 †† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
 ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
 § Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey, Mr. Larry Sandhu, Mr. Ken Tse
 Re: 21106001-1

Date of Submittal: 06-27-2011
 Date of Receipt: 06-28-2011
 Date of Report: 06-29-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21106001-1TM09		21106001-1TM010OUT	
Comments (see below)	None		None	
Lab ID-Version‡:	3541180-1		3541181-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			29	390
Arthrinium				
Ascospores*			2	110
Aureobasidium				
Basidiospores*			9	480
Bipolaris/Drechslera group			2	27
Chaetomium				
Cladosporium			64	3,400
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium			5	67
Penicillium/Aspergillus types†			6	320
Pithomyces				
Rusts*			52	690
Smuts*, Periconia, Myxomycetes*	1	13	141	1,900
Stachybotrys				
Stemphylium			2	27
Torula				
Ulocladium			1	13
Background debris (1-4+)††	1+		3+	
Hyphal fragments/m3	40		640	
Pollen/m3	< 13		250	
Skin cells (1-4+)	1+		1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		13		7,400

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
 * Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
 †† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
 ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
 § Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.



HYGIENE TECH

Hygiene Technologies International, Inc.



000799397

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1843
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 21106001-1 Date Submitted: 6/27/11
 Project Contact: W Filey, L Sandhu K TSE Turnaround Required: Standard
 Lab Destination: EMLab Lab Contact: Leanne Purn

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21106001-1 TMO1OUT	75L	Air Ocell	Spore Trap Analysis
TMO2			
TMO3			
TMO4			
TMO5			
TMO6			
TMO7			
TMO8			
TMO9			
✓ TMO10OUT		✓	✓

Special Instructions: _____

1. Sampled by: KENTSE 6/27/11 15:00 Received by: _____
 2. Relinquished by: KENTSE 6/27/11 17:48 Received by: [Signature] 6/28/11 8:00AM
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only:



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

July 06, 2011

DOH ELAP# 11626

Account# 11324

Login# L243295

Dear Mr. Frey:

Enclosed are the revised analytical results for the samples received by our laboratory on June 28, 2011. The report was revised in order to correct the air volume for sample L243295-14. This version of the report replaces any previously issued versions. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Heidi Fruhlinger at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

6601 Kirkville Road East Syracuse, NY 13057 (315) 432-5227 FAX: (315) 437-0571 www.galsonlabs.com	Client : Hygiene Technologies International Site : BOE Project No. : 21st Floor IAQ Date Sampled : 27-JUN-11 Date Received : 28-JUN-11 Date Analyzed : 28-JUN-11 Report ID : 697536	Account No.: 11324 Login No. : L243295
---	---	---

Formaldehyde

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Front</u> <u>ug</u>	<u>Back</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u> <u>ug/m3</u>	<u>ppb</u>
21106001-4 FO01	L243295-13	15	0.2	<0.1	0.2	10	10
21106001-4 FO02	L243295-14	15	0.1	<0.1	0.1	7	6
21106001-4 FO03	L243295-15	14.25	<0.1	<0.1	<0.1	<7	<6
21106001-4 FO04 BL	L243295-16	NA	<0.1	<0.1	<0.1	NA	NA

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.1 ug	Submitted by: tlh/jap
Analytical Method : mod. NIOSH 2016; HPLC/UV	Approved by : MWJ/LLS
OSHA PEL (TWA) : 0.75 ppm	Date : 06-JUL-11 NYS DOH # : 11626
Collection Media : 226-119	QC by: Tom Burgess

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



LABORATORY ANALYSIS REPORT

6601 Kirkville Road	Client	: Hygiene Technologies International
East Syracuse, NY 13057	Site	: BOE
(315) 432-5227	Project No.	: 21st Floor IAQ
FAX: (315) 437-0571	Date Sampled	: 27-JUN-11
www.galsonlabs.com	Date Received	: 28-JUN-11
	Date Analyzed	: 30-JUN-11
	Report ID	: 697868
	Account No.:	: 11324
	Login No.:	: L243295

Fiber Count

<u>Sample ID</u>	<u>Lab ID</u>	<u>Fibers/ Fields</u>	<u>Fibers/ mm2</u>	<u>Fibers/ Filter</u>	<u>Air Volume (cc)</u>	<u>Fibers/ cc</u>
21106001-2F01	L243295-1	32/100	40.8	15,708	1,908,000	0.008
21106001-2F02	L243295-2	27.5/100	35	13,475	1,908,000	0.007
21106001-2F03	L243295-3	26/100	33.1	12,744	1,914,000	0.007
21106001-2F04 BLANK	L243295-4	3/100	<13	<5000	NA	NA

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Sample Matrix : PCM	Submitted by : MJS
Analytical Method : NIOSH 7400 "B" Rules; PCM	Approved by : PAW
Limit of Quantitation : 10 Fibers/ 100 Fields	Date : 01-JUL-11
Microscope field area : 0.00785 mm2	QC by: Tom Burgess
Filter collection area: 385 mm2	NYSDOH # : 11626

< -Less Than	> -Greater Than	ND -Not Detected
NA -Not Applicable	cc -Cubic Centimeters	NS -Not Specified
mm2 -Square millimeters		



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Hygiene Technologies International
Site : BOE
Project No. : 21st Floor IAQ
Date Sampled : 27-JUN-11
Date Received : 28-JUN-11
Date Analyzed : 30-JUN-11
Report ID : 697990

Account No.: 11324
Login No. : L243295

Galson ID: L243295-9
Client ID: 21106001-54PCH01

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3
4-Phenylcyclohexene	1.0	6.5	<1.0	<6.5

Analytical Method : mod.OSHA PV2120/EPA TO15
Collection Media : Mini Can

Submitted by: kaw
Approved by : rjw
Date : 01-JUL-11 NYS DOH # : 11626
QC by : Tom Burgess

< -Less Than	MG -Milligrams	M3 -Cubic Meters
> -Greater Than	UG -Micrograms	L -Liters
NA -Not Applicable	ND -Not Detected	ppbv-Parts per Billion Volume
NS -Not Specified	KG -Kilograms	LOQ -Limit of Quantitation



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
 East Syracuse, NY 13057
 (315) 432-5227
 FAX: (315) 437-0571
 www.galsonlabs.com

Client : Hygiene Technologies International
 Site : BOE
 Project No. : 21st Floor IAQ
 Date Sampled : 27-JUN-11
 Date Received : 28-JUN-11
 Date Analyzed : 30-JUN-11
 Report ID : 698016
 Account No.: 11324
 Login No. : L243295

Galson ID: L243295-10 L243295-11 L243295-12
 Client ID: 21106001-6 TV01 21106001-6 TV02 21106001-6 TV03

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Propylene	5.0	8.6	<5.0	<8.6	<5.0	<8.6	<5.0	<8.6
Freon-12	5.0	25	<5.0	<25	<5.0	<25	<5.0	<25
Chloromethane	5.0	10	<5.0	<10	<5.0	<10	<5.0	<10
Freon-114	5.0	35	<5.0	<35	<5.0	<35	<5.0	<35
Vinyl Chloride	5.0	13	<5.0	<13	<5.0	<13	<5.0	<13
1,3-Butadiene	5.0	11	<5.0	<11	<5.0	<11	<5.0	<11
Bromomethane	5.0	19	<5.0	<19	<5.0	<19	<5.0	<19
Chloroethane	5.0	13	<5.0	<13	<5.0	<13	<5.0	<13
Vinyl Bromide	5.0	22	<5.0	<22	<5.0	<22	<5.0	<22
Freon-11	5.0	28	<5.0	<28	<5.0	<28	<5.0	<28
Isopropyl Alcohol	5.0	12	<5.0	<12	22	54	<5.0	<12
Acetone	5.0	12	<5.0	<12	16	38	<5.0	<12
1,1-Dichloroethene	5.0	20	<5.0	<20	<5.0	<20	<5.0	<20
Methylene Chloride	5.0	17	<5.0	<17	<5.0	<17	<5.0	<17
Freon-113	5.0	38	<5.0	<38	<5.0	<38	<5.0	<38
Allyl Chloride	5.0	16	<5.0	<16	<5.0	<16	<5.0	<16
Carbon Disulfide	10	31	<10	<31	<10	<31	<10	<31
Trans-1,2-Dichloroethene	5.0	20	<5.0	<20	<5.0	<20	<5.0	<20
Methyl Tert-Butyl Ether	5.0	18	<5.0	<18	<5.0	<18	<5.0	<18
1,1-Dichloroethane	5.0	20	<5.0	<20	<5.0	<20	<5.0	<20
Vinyl Acetate	5.0	18	<5.0	<18	<5.0	<18	<5.0	<18

Analytical Method : mod.OSHA PV2120/EPA TO15
 Collection Media : Mini Can

Submitted by: rjw/kaw
 Approved by : rjw
 Date : 01-JUL-11 NYS DOH # : 11626
 QC by : Tom Burgess

< -Less Than MG -Milligrams M3 -Cubic Meters
 > -Greater Than UG -Micrograms L -Liters
 NA -Not Applicable ND -Not Detected ppbv-Parts per Billion Volume
 NS -Not Specified KG -Kilograms LOQ -Limit of Quantitation



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
 East Syracuse, NY 13057
 (315) 432-5227
 FAX: (315) 437-0571
 www.galsonlabs.com

Client : Hygiene Technologies International
 Site : BOE
 Project No. : 21st Floor IAQ
 Date Sampled : 27-JUN-11
 Date Received : 28-JUN-11
 Date Analyzed : 30-JUN-11
 Report ID : 698016
 Account No.: 11324
 Login No. : L243295

Galson ID: L243295-10 L243295-11 L243295-12
 Client ID: 21106001-6 TV01 21106001-6 TV02 21106001-6 TV03

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Methyl Ethyl Ketone	5.0	15	<5.0	<15	<5.0	<15	<5.0	<15
cis-1,2-Dichloroethylene	5.0	20	<5.0	<20	<5.0	<20	<5.0	<20
Hexane	5.0	18	<5.0	<18	<5.0	<18	<5.0	<18
Ethyl Acetate	5.0	18	<5.0	<18	<5.0	<18	<5.0	<18
Chloroform	5.0	24	<5.0	<24	<5.0	<24	<5.0	<24
Tetrahydrofuran	5.0	15	<5.0	<15	<5.0	<15	<5.0	<15
1,2-Dichloroethane	5.0	20	<5.0	<20	<5.0	<20	<5.0	<20
1,1,1-Trichloroethane	5.0	27	<5.0	<27	<5.0	<27	<5.0	<27
Cyclohexane	5.0	17	<5.0	<17	<5.0	<17	<5.0	<17
Carbon Tetrachloride	5.0	31	<5.0	<31	<5.0	<31	<5.0	<31
Benzene	5.0	16	<5.0	<16	<5.0	<16	<5.0	<16
1,4-Dioxane	20	72	<20	<72	<20	<72	<20	<72
2,2,4-Trimethylpentane	5.0	23	<5.0	<23	<5.0	<23	<5.0	<23
Heptane	5.0	20	<5.0	<20	<5.0	<20	<5.0	<20
1,2-Dichloropropane	5.0	23	<5.0	<23	<5.0	<23	<5.0	<23
Trichloroethylene	5.0	27	<5.0	<27	<5.0	<27	<5.0	<27
Bromodichloromethane	5.0	34	<5.0	<34	<5.0	<34	<5.0	<34
cis-1,3-Dichloropropene	5.0	23	<5.0	<23	<5.0	<23	<5.0	<23
trans-1,3-Dichloropropene	5.0	23	<5.0	<23	<5.0	<23	<5.0	<23
1,1,2-Trichloroethane	5.0	27	<5.0	<27	<5.0	<27	<5.0	<27
Toluene	5.0	19	<5.0	<19	<5.0	<19	<5.0	<19

Analytical Method : mod.OSHA PV2120/EPA TO15
 Collection Media : Mini Can

Submitted by: rjw/kaw
 Approved by : rjw
 Date : 01-JUL-11 NYS DOH # : 11626
 QC by : Tom Burgess

< -Less Than MG -Milligrams M3 -Cubic Meters
 > -Greater Than UG -Micrograms L -Liters
 NA -Not Applicable ND -Not Detected ppbv-Parts per Billion Volume
 NS -Not Specified KG -Kilograms LOQ -Limit of Quantitation



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
 East Syracuse, NY 13057
 (315) 432-5227
 FAX: (315) 437-0571
 www.galsonlabs.com

Client : Hygiene Technologies International
 Site : BOE
 Project No. : 21st Floor IAQ
 Date Sampled : 27-JUN-11
 Date Received : 28-JUN-11
 Date Analyzed : 30-JUN-11
 Report ID : 698016
 Account No.: 11324
 Login No. : L243295

Galson ID: L243295-10 L243295-11 L243295-12
 Client ID: 21106001-6 TV01 21106001-6 TV02 21106001-6 TV03

	LOQ ppbv	LOQ ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Dibromochloromethane	5.0	43	<5.0	<43	<5.0	<43	<5.0	<43
Methyl Isobutyl Ketone	20	82	<20	<82	<20	<82	<20	<82
Methyl Butyl Ketone	20	82	<20	<82	<20	<82	<20	<82
1,2-Dibromoethane	5.0	38	<5.0	<38	<5.0	<38	<5.0	<38
Tetrachloroethylene	5.0	34	<5.0	<34	<5.0	<34	<5.0	<34
Chlorobenzene	5.0	23	<5.0	<23	<5.0	<23	<5.0	<23
Ethylbenzene	5.0	22	<5.0	<22	<5.0	<22	<5.0	<22
Bromoform	5.0	52	<5.0	<52	<5.0	<52	<5.0	<52
m & p-xylene	10	43	<10	<43	<10	<43	<10	<43
Styrene	5.0	21	<5.0	<21	<5.0	<21	<5.0	<21
o-Xylene	5.0	22	<5.0	<22	<5.0	<22	<5.0	<22
1,1,2,2-Tetrachloroethane	5.0	34	<5.0	<34	<5.0	<34	<5.0	<34
4-Ethyltoluene	5.0	25	<5.0	<25	<5.0	<25	<5.0	<25
1,3,5-Trimethylbenzene	5.0	25	<5.0	<25	<5.0	<25	<5.0	<25
1,2,4-Trimethylbenzene	5.0	25	<5.0	<25	<5.0	<25	<5.0	<25
1,3-Dichlorobenzene	5.0	30	<5.0	<30	<5.0	<30	<5.0	<30
Benzyl Chloride	5.0	29	<5.0	<29	<5.0	<29	<5.0	<29
1,4-Dichlorobenzene	5.0	30	<5.0	<30	<5.0	<30	<5.0	<30
1,2-Dichlorobenzene	5.0	30	<5.0	<30	<5.0	<30	<5.0	<30
Total Volatile Organics				ND		92.		ND

Analytical Method : mod.OSHA PV2120/EPA TO15
 Collection Media : Mini Can

Submitted by: rjw/kaw
 Approved by : rjw
 Date : 01-JUL-11 NYS DOH # : 11626
 QC by : Tom Burgess

< -Less Than MG -Milligrams M3 -Cubic Meters
 > -Greater Than UG -Micrograms L -Liters
 NA -Not Applicable ND -Not Detected ppbv-Parts per Billion Volume
 NS -Not Specified KG -Kilograms LOQ -Limit of Quantitation



LABORATORY ANALYSIS REPORT

6601 Kirkville Road East Syracuse, NY 13057 (315) 432-5227 FAX: (315) 437-0571 www.galsonlabs.com	Client : Hygiene Technologies International Site : BOE Project No. : 21st Floor IAQ Date Sampled : 27-JUN-11 Date Received : 28-JUN-11 Date Analyzed : 30-JUN-11 Report ID : 697991	Account No.: 11324 Login No. : L243295
---	---	---

Client ID : 21106001-6 TV01

Lab ID : L243295-10

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u>	
			<u>ppbv</u>	<u>ug/m3</u>
No Volatiles Found			0.0	0.0
Total VOC's				ND

Analytical Method : mod.OSHA PV2120/EPA TO15
Collection Media : Mini Can

Submitted by: kaw

Approved by : rjw

Date : 01-JUL-11 NYS DOH # : 11626

QC by: Tom Burgess

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	LOQ -Limit of Quantitation
NA -Not Applicable	ND -Not Detected	NS -Not Specified	ppbv-Parts per Billion Volume

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
 East Syracuse, NY 13057
 (315) 432-5227
 FAX: (315) 437-0571
 www.galsonlabs.com

Client : Hygiene Technologies International
 Site : BOE
 Project No. : 21st Floor IAQ
 Date Sampled : 27-JUN-11
 Date Received : 28-JUN-11
 Date Analyzed : 30-JUN-11
 Report ID : 697991
 Account No. : 11324
 Login No. : L243295

Client ID : 21106001-6 TV02

Lab ID : L243295-11

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u>	
			<u>ppbv</u>	<u>ug/m3</u>
Isobutane	000075-28-5	4.97	5.9	14
Ethanol	000064-17-5	5.78	5.1	9.5
Total VOC's				24

Analytical Method : mod.OSHA PV2120/EPA TO15
 Collection Media : Mini Can

Submitted by: kaw
 Approved by : rjw

Date : 01-JUL-11 NYS DOH # : 11626
 QC by: Tom Burgess

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
 > -Greater Than ug -Micrograms l -Liters LOQ -Limit of Quantitation
 NA -Not Applicable ND -Not Detected NS -Not Specified ppbv-Parts per Billion Volume

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Hygiene Technologies International
Site : BOE
Project No. : 21st Floor IAQ
Date Sampled : 27-JUN-11
Date Received : 28-JUN-11
Date Analyzed : 30-JUN-11
Report ID : 697991

Account No.: 11324
Login No. : L243295

Client ID : 21106001-6 TV03

Lab ID : L243295-12

Table with 5 columns: Tentatively Identified Compounds, CAS Number, Retention Time, Estimated Concentration (ppbv, ug/m3). Rows include 'No Volatiles Found' and 'Total VOC's'.

Analytical Method : mod.OSHA PV2120/EPA TO15
Collection Media : Mini Can

Submitted by: kaw
Approved by : rjw

Date : 01-JUL-11 NYS DOH # : 11626
QC by: Tom Burgess

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
> -Greater Than ug -Micrograms l -Liters LOQ -Limit of Quantitation
NA -Not Applicable ND -Not Detected NS -Not Specified ppbv-Parts per Billion Volume

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Hygiene Technologies International
Site : BOE
Project No. : 21st Floor IAQ
Date Sampled : 27-JUN-11
Date Received : 28-JUN-11
Date Analyzed : 30-JUN-11
Report ID : 697991

Account No. : 11324
Login No. : L243295

LEED TESTING RESULTS

<u>Sample ID</u>	<u>Lab ID</u>	<u>TVOCs</u> <u>ug/m3</u>
21106001-6 TV01	L243295-10	ND
21106001-6 TV02	L243295-11	120
21106001-6 TV03	L243295-12	ND



LABORATORY ANALYSIS REPORT

6601 Kirkville Road	Client	: Hygiene Technologies International
East Syracuse, NY 13057	Site	: BOE
(315) 432-5227	Project No.	: 21st Floor IAQ
FAX: (315) 437-0571	Date Sampled	: 27-JUN-11
www.galsonlabs.com	Date Received	: 28-JUN-11
	Date Analyzed	: 29-JUN-11
	Report ID	: 697549
	Account No.:	: 11324
	Login No.:	: L243295

Total Dust

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Total</u> <u>mg</u>	<u>Conc</u> <u>ug/m3</u>
21106001-3TD01	L243295-5	482	<0.10	<210
21106001-3TD02	L243295-6	480	<0.10	<210
21106001-3TD03	L243295-7	478	<0.10	<210
21106001-3TD04	BLANK L243295-8	NA	<0.10	NA

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.10 mg	Submitted by: MLJ
Analytical Method : mod. NIOSH 0500; GRAV	Approved by : KRK
OSHA PEL (TWA) : PNOR 15 mg/m3	Date : 29-JUN-11 NYS DOH # : 11626
Collection Media : PVC PW	QC by: Tom Burgess

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client Name : Hygiene Technologies International
Site : BOE
Project No. : 21st Floor IAQ

Date Sampled : 27-JUN-11 Account No.: 11324
Date Received: 28-JUN-11 Login No. : L243295
Date Analyzed: 28-JUN-11 - 30-JUN-11

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L243295 (Report ID: 697536):
SOPs: LC-SOP-4(8)
Total ug corrected for a desorption efficiency of 99%.
Results have been corrected for the average background found on the front section of the media:
0.0273 ug for lot #7188.

L243295 (Report ID: 697868):
Samples were analyzed by the NIOSH method 7400 "B" rules.
Sample results are not corrected for the blank value.
SOPs: ia-pcm(14)
The current intra-laboratory coefficients of variation (CVs) for the applicable fiber ranges are as follows:
0.113 (5-20 fibers/100 fields)
0.098 (>20-50 fibers/100 fields)
0.073 (>50-100 fibers/100 fields)
0.064 (>100 fibers/100 fields)
The stated CVs apply to the media, technology, and SOP(s) referenced in the report and do not take into account any uncertainty associated with the sampling process.
Fiber count samples will be discarded sixty days from report date.

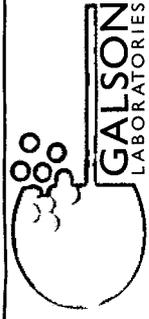
L243295 (Report ID: 697990):
SOPs: in-vocs(17)

L243295 (Report ID: 698016):
SOPs: in-vocs(17)
The blank spike RPD was 26.6% for Propylene, which exceeds the upper control limit of 25%. Sample results are not affected as the individual spike recoveries were within control limits. RPD = relative percent difference

L243295 (Report ID: 697991):
Tentatively Identified Compounds (TICS) are estimated values. TICS are calculated using an average response factor of 1 for all compounds.
SOPs: in-vocs(17)

L243295 (Report ID: 697549):
PNOR = Particulates Not Otherwise Regulated.
SOPs: GRAV-SOP-1(7)
There is an average weight loss of 0.028 mg +/- 0.056 mg (95% confidence level) per PVC sample filter. The sample results have not been corrected for the average loss.

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



6601 Kirkville Rd
 East Syracuse, NY 13057-9672
 Tel: 315-432-5227
 888-432-5227
 www.galsonlabs.com

Report To*: Hygiene Technologies
 3625 DeLamb Blvd, Ste #180
 Torrance, CA-90503

Invoice To*: Hygiene Technologies
 3625 DeLamb Blvd, Ste #180
 Torrance, CA-90503

Phone No*: 310-370-8370
 Cell No*:
 Fax/Email: 310-370-2484
 Latchpreet Sandhu
 Ken TSE

Site Name: BOB
 Project: 21st Floor I/O
 Samples submitted using FreePumpLoan™ Program. Samples submitted using the FreeSamplingBadges™ Program.

Client Account No*:
 Purchase Order No*:
 Credit Card: Credit Card on File Will Phone in Credit Card Information

Email Results To: L. Sandhu, w.frey, k.hsi
 Email Address: lsandhu@hygienetechn.com
 w.frey@hygienetechn.com, khsi@hygienetechn.com

Please indicate which OEL this data will be used for:
 OSHA PEL ACGIH TLV Cal OSHA
 Other (please specify):

Sample Identification*	Date Sampled (mm/dd/yy)	Collection Medium	Sample* Volume, Time, or Area	Sample* L, ml, min., in2, cm2, ft2	Analysis Requested*	Method Reference*	Metals Technique Required, ICAP or ICPMS* (Additional Cost)
EXAMPLE	01/01/10	3pc UW MCE	960	L	Lead	Mod., NIOSH 7300	ICPMS
211060011-2F01	06/27/11	25mm MCE	240	1908L	Total Fibers	NIOSH 7300	
211060011-2F02		PCM	240	1908L			
211060011-2F03			240	1914L			
211060011-2F04			N/A	N/A			
211060011-3TD01		Premixed sum 2 PC-PVC	242	482L	Total dust	NIOSH 0500	
211060011-3TD02			240	480L			
211060011-3TD03			240	478L			
211060011-3TD04			N/A	N/A			
211060011-54PC401	6/27/11	Minicor 1-liter	8 hrs	1L	4PEH	TO15	WASER

For Hexavalent Chromium: process must be listed for each sample submitted (ex. welding, painting, etc.):
 For Crystalline Silica: form(s) of silica needed must be indicated (Quartz, Cristobalite, and/or Tridymite)*:
 List description of industry or process/interferences present in sampling area:
 Comments: PSY 206361

Chain of Custody: Kenneth Tse
 Relinquished by: Kenneth Tse
 Received by LAB: Ken Tse
 Signature: [Signature]
 Date/Time: 6/27/11 5:30PM
 Samples received after 3pm will be considered as next day's business.
 *Required fields, failure to complete these fields may result in a delay in your samples being processed.
 Page 1 of 1
 LAB ORIGINAL



6601 Kirkville Rd
 East Syracuse, NY 13057
 Tel: (315) 432-5227
 Fax: (315) 437-0571
 www.galsonlabs.com

Check if change of address
 New Client? yes no

Report To: Hygiene Technologies
 3625 Del Amo Blvd, STE #180
 Torrance, CA 90503

Phone No.: 310-370-8370
 Fax No.: 310-370-2474

Invoice To: Hygiene Technologies
 3625 Del Amo Blvd
 ST B #180
 Torrance, CA 90503

Phone No.: 310-370-8370
 Fax No.: 310-370-2474

Site Name: BDF

Project: 21st Fl ADA

Sampled By: Ken TSE

Samples submitted using the Free Pump Loan Program

Samples submitted using the Free Sampling Badges™ Program

Client Account No.:
 Purchase Order No.:
 Credit Card No.:

Card Holder Name: Exp.:

Email / Fax Results To: L. Sandhu, w.frey, K.hsi
 Email Address: lsandhu@hygienetech.com
 w.frey@hygienetech.com, khsi@hygienetech.com

Fax No.:

Need Results By:	(surcharge)	Date Sampled	Collection Medium	*Air Volume (L/min)	Passive Monitors (Min)	Analysis Requested	Method Reference	Specific DL Needed
<input type="checkbox"/> 5 Business Days	0%	06/27/11	MiniCan	400cc	N/A	TO15+TICS		WA737
<input type="checkbox"/> 4 Business Days	35%	↓	↓	↓	↓	↓		WA750
<input checked="" type="checkbox"/> 3 Business Days	50%	06/29/11	226-119	15.0 L	N/A	Formaldehyde	Med. No. SH206	WA957
<input type="checkbox"/> 2 Business Days	75%	↓	↓	15.0 L	↓	↓		
<input type="checkbox"/> Next Day by 6pm	100%	↓	↓	14.25 L	↓	↓		
<input type="checkbox"/> Next Day by Noon	150%	↓	↓	N/A	↓	↓		
<input type="checkbox"/> Same day	200%	↓	↓					
Report Reference:								
1.								
2.	21106001-6 TX01							
3.	21106001-6 TX02							
4.	21106001-6 TX03							
5.	21106001-4 FO01							
6.	21106001-4 FO02							
7.	21106001-4 FO03							
8.	21106001-4 FO04 BLANK							
9.								
10.								
11.								

Yes No We normally add a laboratory blank for each analyte. We will charge you for this at our normal rate. If you agree please check "Yes" otherwise check "No".
 List description of industry or process / interference's present in sampling area: PS4206361

Comments:

Chain of Custody	Signature	Date/Time
Relinquished by:	<i>Kenneth Tse</i>	6/27/11 5:30 PM
Received by LAB:	<i>[Signature]</i>	6/28/11 9:41

Samples received after 3pm will be considered as next day's business. * sample collection time X LPM = Air Vol.

LAB ORIGINAL

Page 1 of 1