ENTEK

MOLD INVESTIGATION

JUNE 22 & 24 AND JULY 8, 2004

BY

DEPARTMENT OF GENERAL SERVICES

DGS MEMORANDUM

Date: July 20, 2004

To: Mr. Michael Davis, Building Manager II
Department of General Services – Real Estate Services Division
Building and Property Management Branch
450 N Street, Suite 1200, Sacramento, CA 95818

From: Larry J. Bellani, CIH, Associate Industrial Hygienist
Lance Lister, Associate Industrial Hygienist
Department of General Services – Real Estate Services Division
Building and Property Management Branch
Environmental Safety Health and Operations Program
1304 O Street, Suite 300, Sacramento, CA 95814-5906

Subject: INDOOR STATIONARY AIRBORNE BIOAEROSOLS AIR MONITORING RESULTS AT THE BOARD OF EQUALIZATION BUILDING, 450 N STREET, SACRAMENTO, CA 95814

On June 22 & 24 and on July 8, 2004, indoor stationary air monitoring for mold spores was conducted at the Board of Equalization Building, Floor nos. 22, 11, 24, 2 & 3. This evaluation was requested by Mr. Dade Powers, Chief of Administrative Support Division for the Board of Equalization.

As requested, indoor air sampling for bioaerosols was performed to characterize the presence of mold spores within the occupied spaces. It is important to note that standards do not currently exist for the indoor airborne bioaerosol contaminants that were analyzed for. The results are used to identify "potential" problems and are not compared to any legislated criteria.

The attached detailed stationary area indoor airborne bioaerosols air monitoring results indicate relatively typical and normal constituents of mold spores. All of the indoor air monitoring results are considered to be very low when compared to the outdoor comparison air sample results. Low or normal mold spore concentrations were observed and are considered typical, and the types identified are not unusual, and also not likely related to indoor air quality concerns.

These air sample results are considered typical of modern occupied office buildings with filtered ventilation systems and there are no uncommon findings, which suggest a likely causal agent that could be associated with indoor air quality complaints.

CONCLUSIONS AND RECOMMENDATIONS

All of the results support that this indoor air evaluation was unable to identify a likely causal agent that could be associated with indoor air quality concerns. No unusual findings were made with relatively low airborne levels of indoor airborne mold spores that are consistent with what is normally observed in modern occupied buildings.

Mr. Michael Davis, Building Manager II July 20, 2004

This concludes our report addressing the indoor stationary airborne bioaerosols air monitoring evaluation that was performed for the Board of Equalization. No recommendations are indicated at this time. Please contact the BPM - ESHOP at 916-552-9037 if you have any questions or require any additional information.

LJB/boeiaq1

Attachments (6)

cc: Vincent Paul, Manager of BPM - ESHOP
Annette Salazar, Assistant Chief for BPM

BOARD OF EQUALIZATION BUILDIN , 450 N STREET, SACRAMENTO, C 11TH FLOOR
SUBJECT: STATIONARY AREA INDOOR AIRBORNE BIOAEROSOL AIR MONITORING RESULTS

Stationary area indoor airborne bioaerosol air sampling was performed to characterize the presence of mold spores within the occupied spaces. It is important to note that standards for indoor airborne bioaerosol contaminants listed in the table below do not currently exist. The results are used to identify "potential" problems and are not compared to any legislated criteria.

The below listed detailed analytical results indicate relatively typical and normal constituents of indoor airborne bioaerosols. Low levels of mold spores and rusts were observed. The concentrations of mold spores are considered typical and the types identified are not unusual, and also not likely related to indoor air quality concerns. All of the indoor air monitoring results are considered to be very low when compared to the outdoor comparison air sample results.

These air sample results are considered typical of modern occupied office buildings with filtered ventilation systems and there are no uncommon findings that could suggest a likely causal agent, which could be associated with indoor air quality concerns.

Detailed air monitoring results follow:

DATE / TIME SAMPLED	6/22/04-T 1252-1257 Hours	6/22/04-T 1301-1306 Hours	6/22/04-T 1311-1316 Hours	6/22/04-T 1601-1606 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 11th Floor; South curtain wall; West corner - open file storage area routine operations.	BOE - 11th Floor; South curtain wall; middle - open file storage area; routine operations.	BOE - 11th Floor; South curtain wall; East corner - open file storage area; routine operations.	BOE - 11th Floor; North wall; middle - open file storage area; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	40	107	52	93
Ascospores	27	67	13	27
Basidiospores	**ND	27	13	40
Cladosporium	**ND	13	13	13
Penicillium / Aspergillus	13	**ND	13	13
Rusts	**ND	**ND	**ND	**ND
Pollen	**ND	**ND	**ND	**ND

DATE / TIME SAMPLED	6/22/04-T 1558-1603 Hours	6/22/04-T 1600-1605 Hours	6/24/04-Th. 1608-1613 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 11th Floor; SE wall; corner office cubicle near column K-18; routine operations.	BOE - 11th Floor; East wall; open office cubicle #5; routine operations.	BOE - Roof top; outdoor comparison sample; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	39	132	2,479
Ascospores	13	13	360
Basidiospores	13	13	240
Chaetomium	**ND	**ND	13
Cladosporium	**ND	93	1,640
Penicillium / Aspergillus	13	**ND	133
Pollen	**ND	**ND	40
Rusts	**ND	13	40
Torula	**ND	**ND	13

* Counts Per Cubic Meter Of Air
** Not Detected; Below The Analytical Limit Of Detection

BOARD OF EQUALIZATION BUILI , 450 N STREET, SACRAMENTO, (22ND FLOOR
SUBJECT: STATIONARY AREA INDOOR AIRBORNE BIOAEROSOL AIR MONITORING RESULTS

Stationary area indoor airborne bioaerosol air sampling was performed to characterize the presence of mold spores within the occupied spaces. It is important to note that standards for indoor airborne bioaerosol contaminants listed in the table below do not currently exist. The results are used to identify "potential" problems and are not compared to any legislated criteria.

The below listed detailed analytical results indicate relatively typical and normal constituents of indoor airborne bioaerosols. Low levels of mold spores and pollen were observed. The concentrations of mold spores are considered typical and the types identified are not unusual, and also not likely related to indoor air quality concerns. All of the indoor air monitoring results are considered to be very low when compared to the outdoor comparison air sample results.

These air sample results are considered typical of modern occupied office buildings with filtered ventilation systems and there are no uncommon findings that could suggest a likely causal agent, which could be associated with indoor air quality concerns.

Detailed air monitoring results follow:

DATE / TIME SAMPLED	6/22/04-T 1141-1146 Hours	6/22/04-T 1153-1158 Hours	6/22/04-T 1204-1209 Hours	6/22/04-T 1150-155 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 22nd Floor; South curtain wall; SW corner open office cubicle #73; routine operations.	BOE - 22nd Floor; South curtain wall; middle open office cubicle #78; routine operations.	BOE - 22nd Floor; South curtain wall; SE corner open office cubicle #85; routine operations.	BOE - 22nd Floor; East wall; open office cubicle #097; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	66	40	26	53
Ascospores	27	**ND	13	**ND
Basidiospores	13	**ND	**ND	13
Cladosporium	**ND	13	13	27
Penicillium / Aspergillus	13	27	**ND	13
Rusts	13	**ND	**ND	**ND
Pollen	**ND	**ND	**ND	**ND

DATE / TIME SAMPLED	6/22/04-T 1152-1157-Hours	6/22/04-T 1205-1210 Hours	6/22/04-T 1208-1213 Hours	6/24/04-Th. 1608-1613 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 22nd Floor; SE wall; open office cubicle #085; routine operations.	BOE - 22nd Floor; East wall; office no. 2234; routine operations.	BOE - 22nd Floor; North wall; open office cubicle #60; routine operations.	BOE - Roof top; outdoor comparison sample; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	66	27	53	2,479
Ascospores	40	**ND	13	360
Basidiospores	**ND	27	**ND	240
Chaetomium	**ND	**ND	**ND	13
Cladosporium	13	**ND	13	1,640
Penicillium / Aspergillus	**ND	**ND	27	133
Pollen	13	**ND	**ND	40
Rusts	**ND	**ND	**ND	40
Torula	**ND	**ND	**ND	13

Counts Per Cubic Meter Of Air
**Not Detected; Below The Analytical Limit Of Detection

BOARD OF EQUALIZATION BUIL G, 450 N STREET, SACRAMENTO, - 24TH FLOOR
SUBJECT: STATIONARY AREA INDOOR AIRBORNE BIOAEROSOL AIR MONITORING RESULTS

Stationary area indoor airborne bioaerosol air sampling was performed to characterize the presence of mold spores within the occupied spaces. It is important to note that standards for indoor airborne bioaerosol contaminants listed in the table below do not currently exist. The results are used to identify "potential" problems and are not compared to any legislated criteria.

The below listed detailed analytical results indicate relatively typical and normal constituents of indoor airborne bioaerosols. Low levels of mold spores, pollen & rusts were observed. The concentrations of mold spores are considered typical and the types identified are not unusual, and also not likely related to indoor air quality concerns. All of the indoor air monitoring results are considered to be very low when compared to the outdoor comparison air sample results.

These air sample results are considered typical of modern occupied office buildings with filtered ventilation systems and there are no uncommon findings that could suggest a likely causal agent, which could be associated with indoor air quality concerns.

Detailed air monitoring results follow:

DATE / TIME SAMPLED	6/24/04-Th. 1346-1351 Hours	6/24/04-Th. 1355-1400 Hours	6/24/04-Th. 1404-1409 Hours	6/24/04-Th. 1349-1354 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 24th Floor; South curtain wall; Hallway near office #2417; routine operations.	BOE - 24th Floor; East wall; Hallway near office #2446; routine operations.	BOE - 24th Floor; Library; Middle aisleway; routine operations.	BOE - 24th Floor; NW wall; open office cubicle #021; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	186	106	40	53
Ascospores	53	13	27	**ND
Basidiospores	40	13	13	13
Cladosporium	67	67	**ND	27
Penicillium / Aspergillus	**ND	13	**ND	13
Pollen	13	**ND	**ND	**ND
Rusts	13	**ND	**ND	**ND

DATE / TIME SAMPLED	6/24/04-Th. 1351-1356 Hours	6/24/04-Th. 1357-1402 Hours	6/24/04-Th. 1608-1613 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 24th Floor; North wall; office #2434; routine operations.	BOE - 24th Floor; NE wall; open office cubicle #007; routine operations.	BOE - Roof top; outdoor comparison sample; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	66	27	2,479
Ascospores	40	**ND	360
Basidiospores	**ND	27	240
Chaetomium	**ND	**ND	13
Cladosporium	13	**ND	1,640
Penicillium / Aspergillus	**ND	**ND	133
Pollen	13	**ND	40
Rusts	**ND	**ND	40
Torula	**ND	**ND	13

* Counts Per Cubic Meter Of Air
** Not Detected; Below The Analytical Limit Of Detection

BOARD OF EQUALIZATION BUI G, 450 N STREET, SACRAMENTC A - 2ND FLOOR
SUBJECT: STATIONARY AREA INDOOR AIRBORNE BIOAEROSOL AIR MONITORING RESULTS

Stationary area indoor airborne bioaerosol air sampling was performed to characterize the presence of mold spores within the occupied spaces. It is important to note that standards for indoor airborne bioaerosol contaminants listed in the table below do not currently exist. The results are used to identify "potential" problems and are not compared to any legislated criteria.

The below listed detailed analytical results indicate relatively typical and normal constituents of indoor airborne bioaerosols. Low levels of mold spores and pollen were observed. The concentrations of mold spores are considered typical and the types identified are not unusual, and also not likely related to indoor air quality concerns. All of the indoor air monitoring results are considered to be very low when compared to the outdoor comparison air sample results.

These air sample results are considered typical of modern occupied office buildings with filtered ventilation systems and there are no uncommon findings that could suggest a likely causal agent, which could be associated with indoor air quality concerns.

Detailed air monitoring results follow:

DATE / TIME SAMPLED	6/24/04-Th. 1344-1349 Hours	6/24/04-Th. 1452-1457 Hours	6/24/04-Th. 1459-1504 Hours	6/24/04-Th. 1425-1430 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 2nd Floor; South curtain wall; Middle of aisleway near file room 210; routine operations.	BOE - 2nd Floor; South curtain wall; Middle of aisleway near Mail Processing Room #207; routine operations.	BOE - 2nd Floor; South curtain wall; SW corner; Middle of aisleway; routine operations.	BOE - 2nd Floor; SW wall; open office cubicle #088; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	13	13	13	13
Ascospores	13	**ND	**ND	**ND
Basidiospores	**ND	13	**ND	**ND
Cladosporium	**ND	**ND	13	13
Penicillium / Aspergillus	**ND	**ND	**ND	**ND
Rusts	**ND	**ND	**ND	**ND
Pollen	**ND	**ND	**ND	**ND

DATE / TIME SAMPLED	6/24/04-Th. 1426-1431 Hours	6/24/04-Th. 1459-1504 Hours	6/24/04-Th. 1503-1508 Hours	6/24/04-Th. 1608-1613 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 2nd Floor; West wall; open office cubicle #048; routine operations.	BOE - 2nd Floor; NW wall; open office cubicle #102; routine operations.	BOE - 2nd Floor; NE wall; open office cubicle #121; routine operations.	BOE - Roof top; outdoor comparison sample; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	26	13	26	2,479
Ascospores	13	**ND	**ND	360
Basidiospores	**ND	13	13	240
Chaetomium	**ND	**ND	**ND	13
Cladosporium	**ND	**ND	**ND	1,640
Penicillium / Aspergillus	**ND	**ND	13	133
Pollen	13	**ND	**ND	40
Rusts	**ND	**ND	**ND	40
Torula	**ND	**ND	**ND	13

Counts Per Cubic Meter Of Air
Not Detected; Below The Analytical Limit Of Detection

BOARD OF EQUALIZATION BUILDIN /50 N STREET, SACRAMENTO, CA .D FLOOR
SUBJECT: STATIONARY AREA INDOOR AIRBORNE BIOAEROSOL AIR MONITORING RESULTS

Stationary area indoor airborne bioaerosol air sampling was performed to characterize the presence of mold spores within the occupied spaces. It is important to note that standards for indoor airborne bioaerosol contaminants listed in the table below do not currently exist. The results are used to identify "potential" problems and are not compared to any legislated criteria.

The below listed detailed analytical results indicate relatively typical and normal constituents of indoor airborne bioaerosols. Low levels of mold spores were observed. The concentrations of mold spores are considered typical and the types identified are not unusual, and also not likely related to indoor air quality concerns. All of the indoor air monitoring results are considered to be very low when compared to the outdoor comparison air sample results.

These air sample results are considered typical of modern occupied office buildings with filtered ventilation systems and there are no uncommon findings that could suggest a likely causal agent, which could be associated with indoor air quality concerns.

Detailed air monitoring results follow:

DATE / TIME SAMPLED	6/24/04-Th. 1523-1528 Hours	6/24/04-Th. 1452-1457 Hours	6/24/04-Th. 1459-1504 Hours	6/24/04-Th. 1517-1522 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 3rd Floor; South curtain wall; West side; Middle of aisleway; routine operations.	BOE - 3rd Floor; South curtain wall; East corner; Middle of aisleway in Room #308; routine operations.	BOE - 3rd Floor; South curtain wall; Middle of aisleway in Room #307; routine operations.	BOE - 3rd Floor; West wall; open office cubicle #55B; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	13	13	13	26
Ascospores	13	**ND	**ND	**ND
Basidiospores	**ND	13	**ND	13
Cladosporium	**ND	**ND	13	13
Penicillium / Aspergillus	**ND	**ND	**ND	**ND
Rusts	**ND	**ND	**ND	**ND
Pollen	**ND	**ND	**ND	**ND

DATE / TIME SAMPLED	6/24/04-Th. 1515-1520 Hours	6/24/04-Th. 1523-1528 Hours	6/24/04-Th. 1608-1613 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 3rd Floor; West wall; Conference Room 325; routine operations.	BOE - 3rd Floor; North wall; open office cubicle #035; routine operations.	BOE - Roof top; outdoor comparison sample; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	106	52	2,479
Ascospores	40	13	360
Basidiospores	13	13	240
Chaetomium	**ND	**ND	13
Cladosporium	40	13	1,640
Diplocladiella	**ND	13	**ND
Penicillium / Aspergillus	13	**ND	133
Pollen	**ND	**ND	40
Rusts	**ND	**ND	40
Torula	**ND	**ND	13

Counts Per Cubic Meter Of Air
Not Detected; Below The Analytical Limit Of Detection

BOARD OF EQUALIZATION BUIL..G, 450 N STREET, SACRAMENTO, ..A - ROOF TOP

SUBJECT: STATIONARY AREA OUTDOOR COMPARISON AIR MONITORING RESULTS FOR AIRBORNE BIOAEROSOLS

Detailed air monitoring results follow:

DATE / TIME SAMPLED	6/24/04-Th. 1607-1612 Hours	7/8/04-Th. 1509-1514 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - Roof top; outdoor comparison sample; routine operations.	BOE - Roof top; outdoor comparison sample; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	1,293	1,413
Alternaria	13	**ND
Ascospores	80	280
Basidiospores	280	40
Chaetomium	27	**ND
Cladosporium	680	1,080
Penicillium / Aspergillus	120	**ND
Pollen	**ND	13
Rusts	40	**ND
Stemphylium	13	**ND
Torula	27	**ND

* Counts Per Cubic Meter Of Air

** Not Detected; Below The Analytical Limit Of Detection

BOARD OF EQUALIZATION BUILDIN_, 450 N STREET, SACRAMENTO, C 11TH FLOOR (Cont'd.)
SUBJECT: STATIONARY AREA INDOOR AIRBORNE BIOAEROSOL AIR MONITORING RESULTS

Detailed air monitoring results follow:

DATE / TIME SAMPLED	7/8/04-Th. 1342-1347 Hours	7/8/04-Th. 1449-1454 Hours	7/8/04-Th. 1455-1500 Hours	7/8/04-Th. 1515-1520 Hours
AREA SAMPLE LOCATION / ACTIVITY	BOE - 11th Floor; NE wall; open office cubicle #061; routine operations.	BOE - 11th Floor; NE wall; open office cubicle #061; routine operations.	BOE - 11th Floor; NE wall; center of aisleway near column N-18; routine operations.	BOE - Roof top; outdoor comparison sample; routine operations.
*TOTAL MOLD SPORES (*Cts/m³)*	40	107	52	1,639
Alternaria	**ND	**ND	**ND	13
Ascospores	27	67	13	560
Basidiospores	**ND	27	13	200
Cladosporium	**ND	13	13	760
Penicillium / Aspergillus	13	**ND	13	80
Rusts	**ND	**ND	**ND	**ND
Pollen	**ND	**ND	**ND	13
Stemphylium	**ND	**ND	**ND	13

* Counts Per Cubic Meter Of Air
** Not Detected; Below The Analytical Limit Of Detection

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-22SW-S5 6923102			BOE-11SW-W 6923084		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	1	13	50%	2	27	67%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%						
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	1	13	50%			
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%				1	13	33%
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		2	27		3	40	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, *MicroTest Labs*™, *Inc.*

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-11SW-M 6923098			BOE-11SW-EC 6923087		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	5	67	63%	1	13	25%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	2	27	25%	1	13	25%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	1	13	13%	1	13	25%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%				1	13	25%
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		8	107		4	53	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, *MicroTest Labs™, Inc.*

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-11NW-M 6923091			BOE-24SWH-2417 6923086		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	2	27	29%	4	53	29%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	3	40	43%	3	40	21%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	1	13	14%	5	67	36%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%	1	13	14%			
Pollen	3	40	2%							1	13	7%
Rusts	3	40	2%	3	40	3%				1	13	7%
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	**186**	**2,479**		**97**	**1,293**		**7**	**93**		**14**	**187**	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Many			Many		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, *MicroTest Labs™, Inc.*

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-24EWH-2446 6923159			BOE-24-Library 6923085		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	1	13	13%	2	27	67%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	1	13	13%	1	13	33%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	5	67	63%			
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%	1	13	13%			
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		8	107		3	40	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, *MicroTest Labs™, Inc.*

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-2SW-EAST-210 6923158			BOE-2sW-WEST207 6923092		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	1	13	100%			
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%				1	13	100%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%						
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%						
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Perid/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		1	13		1	13	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, *MicroTest Labs™, Inc.*

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⟹	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-2SW-SW Corner 6923157			BOE-3SW-WESTM 6923187		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%						
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%						
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	1	13	100%	1	13	50%
Curvularia												
Drechslera/Bipolaris Group										1	13	50%
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%						
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	**186**	**2,479**		**97**	**1,293**		**1**	**13**		**2**	**27**	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, *MicroTest Labs*™, *Inc.*

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-3SW-E Corner 6923162			BOE-3SW-R307 6923188		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	1	13	50%			
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%						
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	1	13	50%	1	13	100%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%						
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		2	27		1	13	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Few			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, *MicroTest Labs*™, *Inc.*

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇒	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-22-EAST-097 6923101			BOE-22-SE-065 6923103		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%				3	40	60%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	1	13	25%			
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	2	27	50%	1	13	20%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%	1	13	25%			
Pollen	3	40	2%							1	13	20%
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	**186**	**2,479**		**97**	**1,293**		**4**	**53**		**5**	**67**	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Few			Few		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⟹	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-22-EAST-2234 6923094			BOE-22-NORTH-060 6923093		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%				1	13	25%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	2	27	100%			
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%				1	13	25%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%				2	27	50%
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	**186**	**2,479**		**97**	**1,293**		**2**	**27**		**4**	**53**	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Few		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-11-SE-K18 6923096			BOE-11-EAST-05 6923097		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	1	13	33%	1	13	10%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	1	13	33%	1	13	10%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%				7	93	70%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%	1	13	33%			
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%				1	13	10%
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	**186**	**2,479**		**97**	**1,293**		**3**	**40**		**10**	**133**	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⟹	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-11-NE-061 6923099			BOE-24-NW-021 6923088		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	1	13	17%	3	40	60%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%				1	13	20%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	2	27	33%	1	13	20%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%	1	13	17%			
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys							2	27	33%			
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		6	80		5	67	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-24-NORTH-2434 6923156			BOE-24-NE-007 6923161		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%						
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	1	13	33%	1	13	20%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	2	27	67%			
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%				4	53	80%
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		3	40		5	67	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-22SW-73 6923160			BOE-22SW-78 6923100		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	2	27	40%			
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	1	13	20%			
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%				1	13	33%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%	1	13	20%	2	27	67%
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%	1	13	20%			
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		5	67		3	40	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Moderate			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, *MicroTest Labs™, Inc.*

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-02-SW-088 6923184			BOE-02-WEST-048 6923163		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%				1	13	50%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%						
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	1	13	100%			
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%						
Pollen	3	40	2%							1	13	50%
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		1	13		2	27	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Few			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⟹	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-02-NW-102 6923089			BOE-02-NE-121 6923183		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%						
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	1	13	100%	1	13	50%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%						
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%				1	13	50%
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		1	13		2	27	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Few			Few		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇒	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-03-WEST-55B 6923201			BOE-03-WEST-325 6923197		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%				3	40	38%
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	1	13	50%	1	13	13%
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	1	13	50%	3	40	38%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%				1	13	13%
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	186	2,479		97	1,293		2	27		8	107	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Many			Moderate			Few			Moderate		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Lance Lister and Larry Bellani, CIH
	1304 "O" Street Suite 300	Sampler:	Lance Lister and Larry Bellani, CIH
	Sacramento, CA 95814	Sampling Date:	6/22/2004 and 6/24/04
Project:	450 N Street	Receipt Date:	6/28/04
	Board Of Equalization Building	Report Date:	6/30/04
		Accession No:	418028-418061

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS2-R 6923200 Outdoor Comparison Sample			BOE-OCS1-R 6923202 Outdoor Comparison Sample			BOE-03-NORTH-035 6923189					
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	27	360	15%	6	80	6%	1	13	25%			
Aureobasidium												
Basidiospores	18	240	10%	21	280	22%	1	13	25%			
Botrytis												
Chaetomium	1	13	1%	2	27	2%						
Cladosporium	123	1640	66%	51	680	53%	1	13	25%			
Curvularia												
Diplocladiella							1	13	25%			
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*	10	133	5%	9	120	9%						
Pollen	3	40	2%									
Rusts	3	40	2%	3	40	3%						
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula	1	13	1%	2	27	2%						
Ulocladium												
Scopulariopsis				1	13	1%						
Total Spores (Cts/m³):	**186**	**2,479**		**97**	**1,293**		**4**	**53**				
Sample Volume (Liters)	75			75			75					
Sample Time Minutes:	5			5			5					
Background Debris**	Many			Moderate			Moderate					

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Jenny Pettis, Andy Strahl, *MicroTest Labs*™

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Client Name:	State of California BPM	Contact Name:	Larry Bellaini, CIH	
	1304 "O" Street Suite 300	Sampler:	Larry Bellaini, CIH	
	Sacramento, CA 95814	Sampling Date:	7/8/04	
Project:	450 N. Street	Receipt Date:	7/12/04	
	Board Of Equalization Building	Report Date:	7/13/04	
	Suite 1200	Accession No:	419401-419405	Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS-R3 6923198			BOE-OCS-R4 6923250			BOE-11-NE-N18 6923181					
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	21	280	20%	42	560	34%	3	40	38%			
Aureobasidium												
Basidiospores	3	40	3%	15	200	12%						
Botrytis												
Chaetomium												
Cladosporium	81	1080	76%	57	760	46%	5	67	63%			
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*				6	80	5%						
Pollen	1	13	1%	1	13	1%						
Rusts												
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula												
Ulocladium												
Total Spores (Cts/m³):	106	1,413		123	1,640		8	107				
Sample Volume (Liters)	75			75			75					
Sample Time Minutes:	5			5			5					
Background Debris**	Few			Few			Few					

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Andy Strahl, *MicroTest Labs*™, *Inc.*

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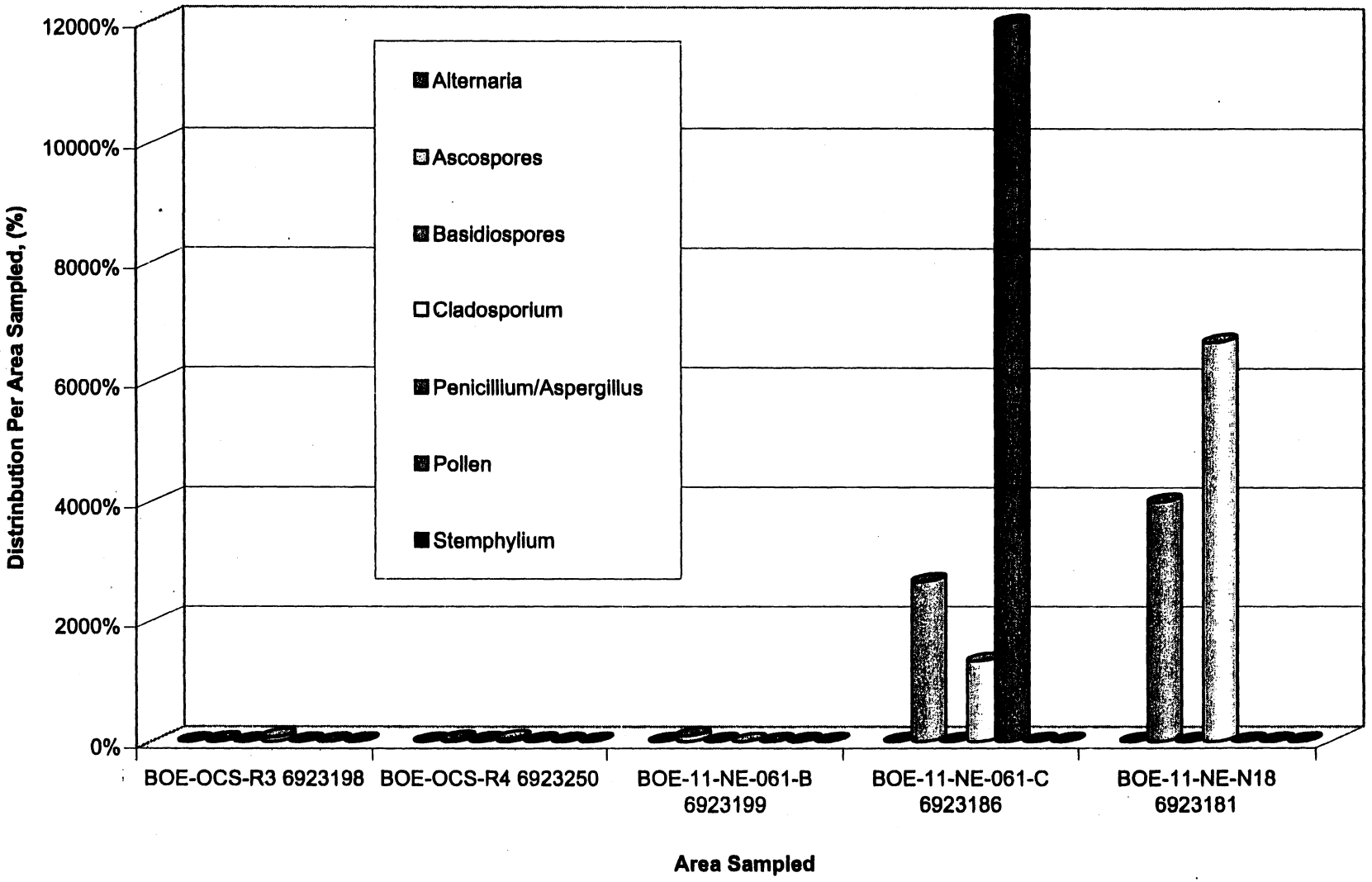
Air Sampling Results, 450 N Street-Board Of Equalization Building- Suite 1200, 7-08-04



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Client Name:	State of California BPM	Contact Name:	Larry Bellaini, CIH
	1304 "O" Street Suite 300	Sampler:	Larry Bellaini, CIH
	Sacramento, CA 95814	Sampling Date:	7/8/04
Project:	450 N. Street	Receipt Date:	7/12/04
	Board Of Equalization Building	Report Date:	7/13/04
	Suite 1200	Accession No:	419401-419405

Instrument Used: Zefon

Non-Viable Bioaerosol Analysis

Client Project Identification ⇨	BOE-OCS-R3 6923198			BOE-OCS-R4 6923250			BOE-11-NE-061-B 6923199			BOE-11-NE-061-C 6923186		
	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area	raw ct.	Cts/m³	% Area
Alternaria				1	13	1%						
Arthrinium												
Ascospores	21	280	20%	42	560	34%	2	27	100%	2	27	17%
Aureobasidium												
Basidiospores	3	40	3%	15	200	12%						
Botrytis												
Chaetomium												
Cladosporium	81	1080	76%	57	760	46%				1	13	8%
Curvularia												
Drechslera/Bipolaris Group												
Epicoccum												
Hyphae Fragments												
Penicillium/Aspergillus*				6	80	5%				9	120	75%
Pollen	1	13	1%	1	13	1%						
Rusts												
Pithomyces												
Smuts/Peric/Myxomycetes												
Stachybotrys												
Stemphylium				1	13	1%						
Torula												
Ulocladium												
Total Spores (Cts/m³):	106	1,413		123	1,640		2	27		12	160	
Sample Volume (Liters)	75			75			75			75		
Sample Time Minutes:	5			5			5			5		
Background Debris**	Few			Few			Few			Few		

*The spores of ***Penicillium/Aspergillus*** cannot be differentiated by non-viable sampling methods.

**Fibers, skin fragments and dust are indicated by few, moderate, many, and abundant.

Comments:

Technologist: Andy Strahl, *MicroTest Labs™, Inc.*

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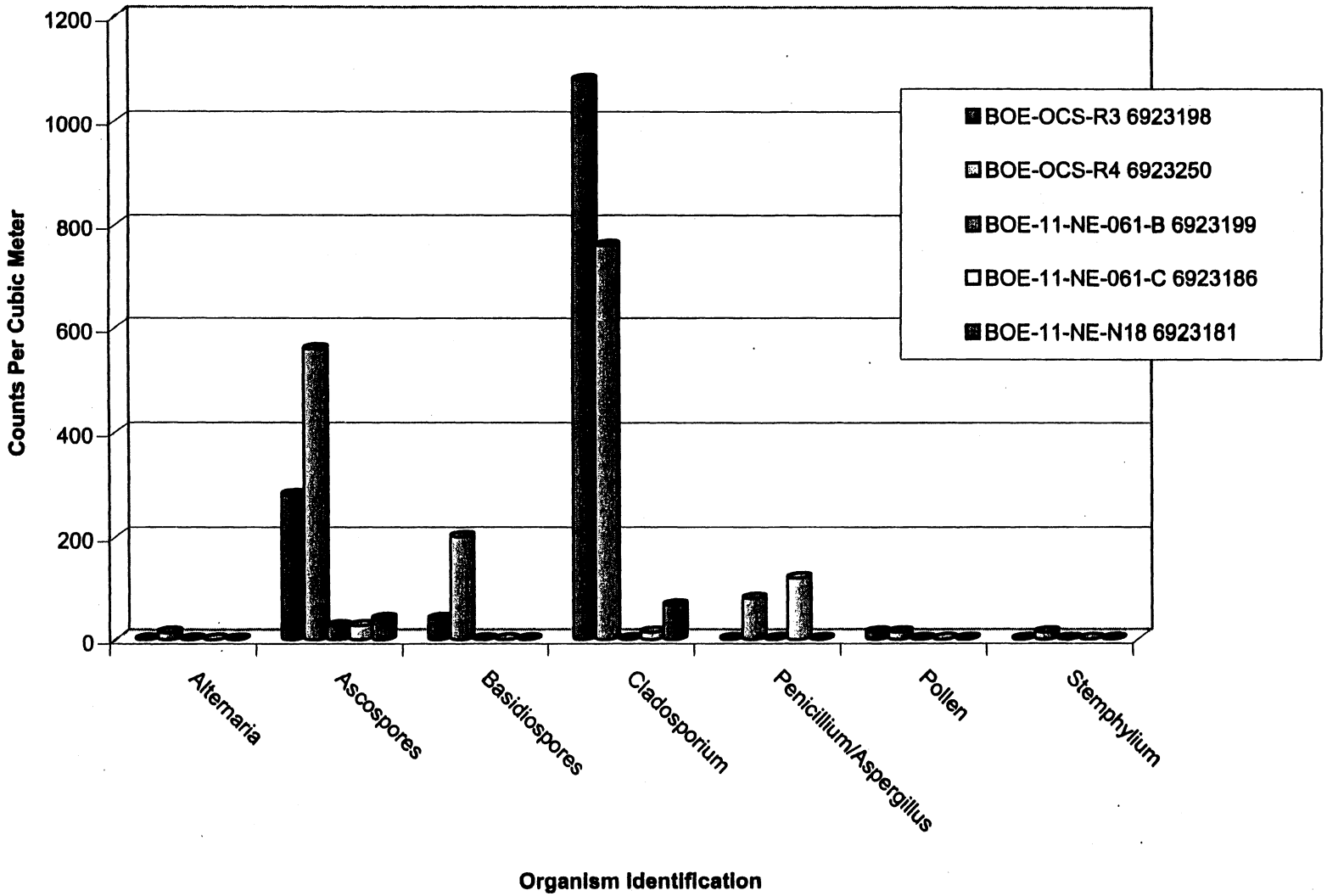
Air Sampling Results, 450 N Street-Board Of Equalization Building- Suite 1200, 7-08-04



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