

**Appendix C**  
**Laboratory Reports**



**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

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Regarding: Project: 2372.02-572; DGS-BOE Floor 17 Janitor Room  
EML ID: 565344

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody', is written over a light blue horizontal line.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-30-2009

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

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

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

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

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Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC

Date of Sampling: 07-29-2009

C/O: Mr. Chris Corpuz, Mr. Ted Ice

Date of Receipt: 07-30-2009

Re: 2372.02-572; DGS-BOE Floor 17 Janitor Room

Date of Report: 07-30-2009

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2507146-1: Tape sample 2372-729-01: Floor 17, janitor, above ceiling stain				
Very Heavy	Very few	None	Heavy amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 2507147-1: Tape sample 2372-729-02: Floor 17, janitor, above ceiling wall stain				
Moderate	Very few	None	None	Normal trapping

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



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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 • (800) 651-4802  
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 898-6653

Company: **La Croix Davis, LLC**  
 Contact: **Chris Corpuz, Ted Ice**  
 Phone: **925 299 1140**

Address: **2105 Mt Diablo Blvd # 210 Lafayette, CA 94549**  
 Special Instructions: **Same Day / email corpuz@lacroixdavis.com tice@lacroixdavis.com**

PROJECT INFORMATION  
 Project ID: **2372-02-572**  
 Project Desc: **UGS - 100E Floor 17 Janitor Room**  
 Sampling Date & Time: **7/29/08 11:15 AM**  
 PO Number:

TURN AROUND TIME CODES (TAT)  
 STD - Standard (DEFAULT)  
 ND - Next Business Day  
 SD - Same Business Day Rush  
 WH - Weekend/Holiday

NOTE: Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample Type (Below):  
 TAT (Above):  
 Total Volume/Area (as applicable):  
 NOTES: (Time of day, Temp, RH, etc.)

2372-72A-01 Floor 17 Janitor - above ceiling - wall stain  
 2372-72A-02 Floor 17 Janitor - above ceiling - wall stain

WEATHER:			
None	Fog	Rain	Snow
Light			
Moderate			
Heavy			

Non-Culturable		Culturable	
Spore Trap	Spore Trap Analysis	1-Media Surface Fungi (Genus ID + App. spp.)	1-Media Surface Fungi (Genus ID + App. spp.)
Spore Trap	Direct Microscopic Exam (Qualitative)	2-Media Surface Fungi (Genus ID + App. spp.)	2-Media Surface Fungi (Genus ID + App. spp.)
Spore Trap	Qualitative Spore Count Direct Exam	3-Media Surface Fungi (Genus ID + App. spp.)	3-Media Surface Fungi (Genus ID + App. spp.)
Spore Trap		Culturable Air Fungi (Genus ID + App. spp.)	Culturable Air Fungi (Genus ID + App. spp.)
Spore Trap		Gram Stain and Counts (Culturable Air and Surface Bacteria)	Gram Stain and Counts (Culturable Air and Surface Bacteria)
Spore Trap		Logistic Culture	Logistic Culture
Spore Trap		Total Coliforms, E. coli (Presence/Absence)	Total Coliforms, E. coli (Presence/Absence)
Spore Trap		Maintainable Filtration (Please specify organism)	Maintainable Filtration (Please specify organism)
Spore Trap		MPN Bacteria (Please specify organism)	MPN Bacteria (Please specify organism)
Spore Trap		Quant. Tray - Sewage Screen	Quant. Tray - Sewage Screen
Spore Trap		Adenosin Analyte - PCM Airborne Fiber Counts (NIOSH 7400)	Adenosin Analyte - PCM Airborne Fiber Counts (NIOSH 7400)
Spore Trap		Adenosin Analyte - PLM (EPA method 600/4-93-116)	Adenosin Analyte - PLM (EPA method 600/4-93-116)
Spore Trap		PCR (Please specify test)	PCR (Please specify test)

000565344  
 BioCassette™ Andersen, SA  
 Water, Bulk, Dust, Soil, Con

7/29/08 F17 Janitor

SAMPLE TYPE CODES		DATE & TIME	
CP - Contact Plate	T - Taps	D - Dust	
ST - Spore Trap:	SW - Swab	W - Water	
Zofin, Allergenco, Burford...	B - Bulk	SO - Soil	
D - Other:			

RELINQUISHED BY: **Chris Davis**  
 DATE & TIME: **7/29/08 11:15 AM**

RECEIVED BY: **STAN DENBERG**  
 DATE & TIME: **7/30/08 8 AM**



## EMLab P&K

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

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Regarding: Project: 2372.03-572; DGS BOE Firesprink Cabs  
EML ID: 602123

Approved by:

A handwritten signature in black ink, appearing to read "Malcolm Moody", is written over a white background.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-17-2009

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

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

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach  
 Re: 2372.03-572; DGS BOE Firesprink Cabs

Date of Sampling: 11-13-2009  
 Date of Receipt: 11-16-2009  
 Date of Report: 11-17-2009

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2669912-1: Tape sample 2372-1112-FS22T01: F22 Water Stain W				
Very Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669913-1: Tape sample 2372-1112-FS21T02: F21 VMG				
Moderate	Very few	1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669914-1: Tape sample 2372-1112-FS21T03: F21 Water Stain N				
Very Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669915-1: Tape sample 2372-1112-FS20T04: F20 VMG				
Very Heavy	Very few	None	Very few <i>Chaetomium</i> spores detected. Moderate amounts of colorless spores typical of <i>Penicillium/Aspergillus</i> detected.	Mold growth in vicinity?
Lab ID-Version: 2669916-1: Tape sample 2372-1112-FS20T05: F20 Water Stain W				
Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) < 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) < 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669917-1: Tape sample 2372-1112-FS19T06: F19 VMG				
Moderate	Very few	4+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2669918-1: Tape sample 2372-1112-FS19T07: F19 Water Stain W				
Very Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669919-1: Tape sample 2372-1112-FS18T08: F18 SVMG				
Very Heavy	Very few	< 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 2669920-1: Tape sample 2372-1112-FS18T09: F18 Water Stain W				
Very Heavy	Very few	None	Very few <i>Chaetomium</i> spores detected. Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669921-1: Tape sample 2372-1112-FS17T10: F17 Water Stain W				
Very Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669922-1: Tape sample 2372-1112-FS17T11: F17 Water Stain N				
Very Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669923-1: Tape sample 2372-1112-FS16T12: F16 Water Stain S				
Very Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669924-1: Tape sample 2372-1112-FS15T13: F15 VMG-Suspect N				
Very Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth
Lab ID-Version: 2669925-1: Tape sample 2372-1112-FS15T14: F15 VMG-Suspect N				
Very Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669926-1: Tape sample 2372-1112-FS14T15: F14 VMG NW				
Very Heavy	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669927-1: Tape sample 2372-1113-FS11T16: F11 Water Stain N				
Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2669928-1: Tape sample 2372-1113-FS10T17: FS10 VMG N+W				
Heavy	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669929-1: Tape sample 2372-1113-FS9T18: FS9 VMG				
Very Heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669930-1: Tape sample 2372-1113-FS8T19: FS8 SVMG W				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669931-1: Tape sample 2372-1113-FS7T20: FS7 Water Stain W				
Very Heavy	Very few	< 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 2669932-1: Tape sample 2372-1113-FS6T21: FS6 VMG				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669933-1: Tape sample 2372-1113-FS5T22: FS5 Water Stain N				
Moderate	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669934-1: Tape sample 2372-1113-FS4T23: FS4 Water Stain W				
Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2669935-1: Tape sample 2372-1113-FS3T24: FS3 VMG S+W				
Heavy	Very few	2+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 2669936-1: Tape sample 2372-1113-FS2T25: FS2 Water Stain S				
Very Heavy	Very few	None	Moderate amounts of <i>Cladosporium</i> spores detected.	Mold growth in vicinity?

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2669937-1: Tape sample 2372-1113-FS1T26: FS1 VMG N				
Heavy	Very few	4+ <i>Gliomastix</i> -like species (spores, hyphae) 2+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 1+ <i>Acremonium</i> species (spores, hyphae, conidiophores) < 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth

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







**CHAIN OF CUSTODY** **EMLab P&K**  
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**REQUESTED SERVICES (BY BOX)**

Non-Culturable		Culturable	
Spore Trap	Tapir Swab Bulk	BioCassette™, Anderson, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate	Other Requests

WEATHER		Fog	Rain	Snow	Wind	Clear
Name						
Light						
Moderate						
Heavy						

**CONTACT INFORMATION**  
 Company: MACNORY DAVIS  
 Address: 3685 Mt Diablo #210  
 Special Instructions: Lafayette  
 Contact: ccapoz, T.ica, A. Steinbeck  
 Phone: 925 299 1140  
 Email: emad

**PROJECT INFORMATION**  
 Project ID: 2372-08-572  
 Project: Fire Sprinkler Cabinet  
 Date & Time: 11/13/09  
 PO Number: \_\_\_\_\_

**TURN AROUND TIME CODES (TAT)**  
 STD - Standard (DEFAULT)  
 Next Business Day  
 SD - Same Business Day Rush  
 WH - Weekend/Holiday

Sample ID	Description	Sample Type (Tape, Swab, Bulk, etc.)	Volume/Area (if applicable)	Notes
2372-08-572-01	ES2 Water Stain	T	ND	
2372-08-572-02	ES1 VMG N	T	ND	

Non-Culturable	Culturable	Other Requests
Spore Trap Analysis - Other particles	1-Media Surface Fungi (Genus ID + spp.)	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
Direct Microscopic Exam (Qualitative)	2-Media Surface Fungi (Genus ID + spp.)	Asbestos Analysis - PLM (EPA method 600/R-93-116)
Quantitative Spore Count Direct Exam	3-Media Surface Fungi (Genus ID + spp.)	PCR (please specify test)
	1-Media Surface Fungi (Genus ID + spp.)	
	2-Media Surface Fungi (Genus ID + spp.)	
	3-Media Surface Fungi (Genus ID + spp.)	
	Culturable Air Fungi (Genus ID + spp.)	
	Gram Stain and Counts (Culturable Air and Surface Bacteria)	
	Lagomorph Culture	
	Total Coliform, E.coli (Presence/Absence)	
	Membrane Filtration (Please specify organism)	
	MPN Bacteria (Please specify organism)	
	Quartray - Sewage Screen	

SAMPLE TYPE CODES		RELINQUISHED BY		DATE/TIME	
ST - Spore Trap; Zefon, Allergenco, Burkard...	T - Tape	<u>Macnory Davis</u>	<u>11/16/09 16:55</u>	<u>Macnory Davis</u>	<u>11/16/09 16:55</u>
SAS - Surface Air Sampler	SW - Swab				
CP - Contact Plate	B - Bulk				
	D - Dust				
	SO - Soil				
	O - Other:				

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**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

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Regarding: Project: DGS BOE; Fire Riser Cabs 19, 18, 17  
EML ID: 641429

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody', written in a cursive style.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 03-27-2010

Service SOPs: Spore trap analysis (I100000)

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

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Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach  
 Re: DGS BOE; Fire Riser Cabs 19, 18, 17

Date of Sampling: 03-27-2010  
 Date of Receipt: 03-27-2010  
 Date of Report: 03-27-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-327-A01: Exterior SW		2372-327-A02: Floor 19 Ambient - SE Stairs		2372-327-A03: Floor 19 Contain - Fire Riser		2372-327-A04: Floor 18 Ambient - SE Stairs	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	2840777-1		2840778-1		2840779-1		2840780-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	3	160						
Aureobasidium								
Basidiospores*	121	6,500			1	53		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	6	320					1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora	1	13						
Other brown	1	13						
Penicillium/Aspergillus types†	6	320						
Pithomyces								
Rusts*	1	13					1	13
Smuts*, Periconia, Myxomycetes*	2	27	3	40				
Stachybotrys								
Stemphylium								
Torula	1	13						
Ulocladium								
Background debris (1-4+)††	2+		1+		1+		3+	
Hyphal fragments/m3	40		< 13		< 13		27	
Pollen/m3	1,000		27		< 13		40	
Skin cells (1-4+)	< 1+		< 1+		< 1+		2+	
Sample volume (liters)	75		75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>7,300</b>		<b>40</b>		<b>53</b>		<b>67</b>

**Comments:**

\* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher 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.

‡ 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach  
 Re: DGS BOE; Fire Riser Cabs 19, 18, 17

Date of Sampling: 03-27-2010  
 Date of Receipt: 03-27-2010  
 Date of Report: 03-27-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-327-A05: Floor 18 Contain - Fire Riser		2372-327-A06: Floor 17 Ambient - SE Stairs		2372-327-A07: Floor 17 Contain - Fire Riser	
Comments (see below)	A		None		A	
Lab ID-Version‡:	2840781-1		2840782-1		2840783-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Arthrinium						
Ascospores*						
Aureobasidium						
Basidiospores*						
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium						
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*			1	13		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Background debris (1-4+)††	1+		3+		1+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		13		13	
Skin cells (1-4+)	< 1+		1+		< 1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORES/m3</b>		< 13		13		< 13

**Comments:** A) No spores detected.

\* 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 sample volumes when evaluating dust levels.

The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach  
 Re: DGS BOE; Fire Riser Cabs 19, 18, 17

Date of Sampling: 03-27-2010  
 Date of Receipt: 03-27-2010  
 Date of Report: 03-27-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-327-A01, Exterior SW**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: March				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	22	200	35	7	27	230	56
Bipolaris/Drechslera group	-	7	13	120	10	7	13	130	13
Chaetomium	-	7	13	110	9	7	13	120	20
Cladosporium	320	20	270	3,700	87	53	630	7,100	97
Curvularia	-	7	13	200	7	7	13	230	7
Nigrospora	13	7	13	130	7	7	13	180	8
Other brown	13	7	13	93	29	7	13	93	35
Penicillium/Aspergillus types	320	13	160	1,500	75	33	210	2,500	85
Stachybotrys	-	7	13	240	3	7	13	250	5
Torula	13	7	13	180	7	7	13	150	12
<b>Seldom found growing indoors**</b>									
Ascospores	160	11	110	2,100	69	13	110	2,000	70
Basidiospores	6,500	13	210	5,200	87	13	210	8,000	93
Rusts	13	7	13	250	14	7	13	270	28
Smuts, Periconia, Myxomycetes	27	7	27	310	50	8	40	510	69
<b>§ TOTAL SPORES/m3</b>	7,300								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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



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 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6653

REQUESTED SERVICES (LAB) 00641429

Culturable  
 Bio-Cassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate

Other Requests

PCR (please specify test)	
Asbestos Analysis - PLM (EPA method 600/R-93-116)	
Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	
QuantTray - Sewage Screen	
MPP Bacteria (Please specify organism)	
Membrane Filtration (Please specify organism)	
Total Coliform, E.coli (Presence/Absence)	
Legionella culture	
Gram Stain and Counts (Culturable Air and Surface Bacteria)	
Culturable Air Fungi (Genus ID + App. spp.)	
3-Media Surface Fungi (Genus ID + App. spp.)	
2-Media Surface Fungi (Genus ID + App. spp.)	
1-Media Surface Fungi (Genus ID + App. spp.)	
Quantitative Spore Count Direct Exam	
Direct Microscopic Exam (Qualitative)	
Spore Trap Analysis - Other particles	
Fungus - Spore Trap Analysis	

REMOVED BY	DATE & TIME
<i>Chris Corpuz</i>	<i>3/27/10 1:00</i>

WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light					
Moderate					
Heavy					

**CONTACT INFORMATION**

Company: LaCroix Davis LLC  
 Address: 3685 Mt. Diablo Blvd. Ste. 210, Lafayette, CA 94549  
 Contact: Ted Ice; Chris Corpuz; A. Hernandez  
 Phone: (925) 719-5842  
*duped contacts*

**TURN AROUND TIME CODES (TAT)**

STD - Standard (DEFAULT)  
 ND - Next Business Day  
 SED - Same Business Day Rush  
 WH - Weekend/Holiday

**PROJECT INFORMATION**

Project ID: DGS BOE  
 Project Desc: *Five Riser Cabinets 19, 18, 17*  
 Project: *19, 18, 17*  
 Zip Code: 94279  
 Date & Time:  
 PO Number: 2372.02-572

**TURN AROUND TIME CODES (TAT)**

Sample ID	Description	TAT (Above)	Volume/Area (if applicable)	Notes
2372-19-1A01	EXTREME SKU	ST	75	19:00
2372-19-1A02	Floor 19 Ambient - SES	ST	75	
2372-19-1A03	Floor 19 Contain - Fire Riser	WH	75	
2372-19-1A04	Floor 18 Ambient - SES	ST	75	
2372-19-1A05	Floor 18 Contain - Fire Riser	WH	75	
2372-19-1A06	Floor 17 Ambient - SES	ST	75	
2372-19-1A07	Floor 17 Contain - Fire Riser	WH	75	

REMOVED BY	DATE & TIME
<i>Chris Corpuz</i>	<i>3/27/10 1:00</i>

**SAMPLE TYPE CODES**

BC - Bio-Cassette™	T - Tape	D - Dust
A15 - Andersen	SW - Swab	SO - Soil
SAS - Surface Air Sampler	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other



## EMLab P&K

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

---

Regarding: Project: 2372-1102; 17th Floor  
EML ID: 721560

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody', written in a cursive style.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-03-2010 to 11-03-2010

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

---

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea  
 Steinbach  
 Re: 2372-1102; 17th Floor

Date of Sampling: 11-02-2010  
 Date of Receipt: 11-03-2010  
 Date of Report: 11-03-2010

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3196864-1: Tape sample 2372-1102-F17-C01: Grid 1				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196865-1: Tape sample 2372-1102-F17-C02: Grid 2				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196866-1: Tape sample 2372-1102-F17-C03: Grid 8				
Very Heavy	Very few	< 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 3196867-1: Tape sample 2372-1102-F17-C04: Grid 7				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196868-1: Tape sample 2372-1102-F17-C05: Grid 13				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196869-1: Tape sample 2372-1102-F17-C06: Grid 19				
Very Heavy	Very few	None	Very few <i>Chaetomium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 3196870-1: Tape sample 2372-1102-F17-C07: Grid 25				
Very Heavy	Very few	1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 3196871-1: Tape sample 2372-1102-F17-C08: Grid 26				
Very Heavy	Very few	1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 3196872-1: Tape sample 2372-1102-F17-C09: Grid 27				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196873-1: Tape sample 2372-1102-F17-C10: Grid 28				
Very Heavy	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3196874-1: Tape sample 2372-1102-F17-C11: Grid 29				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196875-1: Tape sample 2372-1102-F17-C12: Grid 24				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196876-1: Tape sample 2372-1102-F17-C13: Grid 18				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196877-1: Tape sample 2372-1102-F17-C14: Grid 12				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196878-1: Tape sample 2372-1102-F17-C15: Grid 23				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196879-1: Tape sample 2372-1102-F17-C16: Grid 22				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196880-1: Tape sample 2372-1102-F17-C17: Grid 21				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196881-1: Tape sample 2372-1102-F17-C18: Grid 20				
Very Heavy	Very few	2+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 3196882-1: Tape sample 2372-1102-F17-C19: Grid 9				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196883-1: Tape sample 2372-1102-F17-C20: Grid 10				
Very Heavy	Very few	3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 3196884-1: Tape sample 2372-1102-F17-C21: Grid 4 cube 109				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196885-1: Tape sample 2372-1102-F17-C22: Grid 3				
Very Heavy	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3196886-1: Tape sample 2372-1102-F17-C23: Grid 5				
Very Heavy	Very few	None	None	Normal trapping

‡ 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".







**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

---

Regarding: Project: 2372.02-572  
EML ID: 721562

Approved by:

A handwritten signature in black ink, appearing to read "Malcolm Moody", is written over a white background.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-03-2010

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

---

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea  
 Steinbach  
 Re: 2372.02-572

Date of Sampling: 11-02-2010  
 Date of Receipt: 11-03-2010  
 Date of Report: 11-03-2010

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

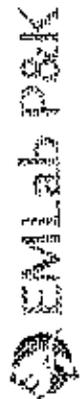
Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3196892-1: Tape sample 2372-1102-F17-T01: SE ceiling men's restroom				
Heavy	Few	< 1+ <i>Alternaria</i> species (spores, hyphae) < 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 3196893-1: Tape sample 2372-1102-F17-T02: SW ceiling men's restroom				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196894-1: Tape sample 2372-1102-F17-T03: NW wall men's restroom				
Light	Very few	4+ <i>Cladosporium</i> species (spores, hyphae) 2+ <i>Alternaria</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 3196895-1: Tape sample 2372-1102-F17-T04: NE wall men's restroom				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196896-1: Tape sample 2372-1102-F17-T05: SW wall women's restroom				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3196897-1: Tape sample 2372-1102-F17-T06: Center ceiling women's restroom				
Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3196898-1: Tape sample 2372-1102-F17-T07: Center ceiling women's restroom				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3196899-1: Tape sample 2372-1102-F17-T08: NE wall women's restroom				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3196890-1: Bulk sample 2372-1102-F17-B09: NE FP women's restroom				
Miscellaneous debris	Very few	None	None	Normal trapping
Lab ID-Version: 3196900-1: Tape sample 2372-1102-F17-T10: SE ceiling women's restroom				
Heavy	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3196891-1: Bulk sample 2372-1102-F17-B11: SW FP women's restroom				
Miscellaneous debris	Very few	None	None	Normal trapping
Lab ID-Version: 3196901-1: Tape sample 2372-1102-F17-T12: JC SW wall				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3196902-1: Tape sample 2372-1102-F17-T13: JC SW ceiling				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3196903-1: Tape sample 2372-1102-F17-T14: JC N wall				
Heavy	Very few	None	None	Normal trapping

‡ 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".

1 of 2

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6633



000721562

REQUESTED SERVICES	
Non-Culturable	Culturable
Spore Trap	BioCassette™ Andersen, SAS, Swab Water, Bulk, Dust, Soil, Contact Plate

Quantitative Spore Count Direct Exam	X	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	
Direct Microscopic Exam (Qualitative)	X	Asbestos Analysis - PLM (EPA method 600/R-93-116)	
Fungal Spore Trap Analysis	X	PCR (please specify test)	
Spore Trap Analysis - Other particles	X		
Quantitative Spore Count Direct Exam	X		
1-Media Surface Fungi (Genus ID + App. spp.)	X		
2-Media Surface Fungi (Genus ID + App. spp.)	X		
3-Media Surface Fungi (Genus ID + App. spp.)	X		
Culturable Air Fungi (Genus ID + App. spp.)	X		
Gram Stain and Counts (Culturable Air and Surface Bacteria)	X		
Legionella culture	X		
Total Coliform, E.coli (Presence/Absence)	X		
Membrane Filtration (Please specify organism)	X		
MFN Bacteria (Please specify organism)	X		
Quant. Tray - Sewage Screen	X		

RECEIVED BY	DATE & TIME
<i>Thompson</i>	11/3/10 8:45

WEATHER		Fog	Tail	Snow	Wind	Clear
None						
Light						
Moderate						
Heavy						

LEVEL:  None  
 Light  
 Moderate  
 Heavy

**CONTACT INFORMATION**  
Company: *LaCroix Davis LLC*  
Address: *1000 Mt Diablo #210*  
Contact: *Ted Ice iCorpus, A Studytech Email Contacts*  
Phone: *925-299-1140*

**PROJECT INFORMATION**  
Project ID: *2372-1102*  
Project Desc: *SE ceiling men's restroom*  
Project Zip Code: *925-299-1140*  
Sampling Date & Time: *11/2/10*

**TURN AROUND TIME CODES - (TAT)**  
STD - Standard (DEFAULT)  
NID - Next Business Day  
SD - Same Business Day Rush  
WH - Weekend/Holiday

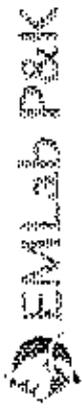
SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
372-1102-F17-T01	SE ceiling men's restroom	T	SD		
1372-1102-F17-T02	SW ceiling men's restroom	T	SD		
T03	NW wall men's restroom	T	SD		
T04	NE wall men's restroom	T	SD		
T05	SW wall women's restroom	T	SD		
T06	ceiling women's restroom	T	SD		
T07	"	T	SD		
T08	NE wall women's restroom	T	SD		
B09	NE FP women's restroom	B	SD		
T10	SE ceiling women's restroom	T	SD		
B11	SW FP women's restroom	B	SD		
T12	SC SW wall	T	SD		

RELINQUISHED BY	DATE & TIME
<i>Thompson</i>	<i>11/3/10 8:45</i>

**SAMPLE TYPE CODES**  
BC - BioCassette™ CP - Contact Place T - Tape D - Dust  
A15 - Andersen ST - Spore Trap: Zoon, Allergenco, Burkard... W - Water  
SAS - Surface Air Sampler B - Bulk SO - Soil  
O - Other

2 of 2

CHAIN OF CUSTODY  
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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (856) 888-6653

WEATHER		Fog	Rain	Snow	Wind	Clear
Level						
None						
Light						
Moderate						
Heavy						

**CONTACT INFORMATION**  
 Company: La Croix Davis LLC  
 Address: 3685 Mt Diablo Blvd 210 Lafayette CA 94549  
 Special Instructions: avoid conflicts

**PROJECT INFORMATION**  
 Project ID: 2372-1102  
 Project Desc.:  
 Project Zip Code: 94549  
 Sampling Date & Time: 11/2/10  
 PO Number:

SAMPLE ID	DESCRIPTION	Sample Type (Above/Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
2372-1102-F17-T13	JC SW ceiling	T	SD		Rushes received after 2pm on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
2372-1102-F17-T14	JC N wall	T	SD		

SAMPLE TYPE CODES	DATE & TIME		
	BC - BioCassette AIS - Andersen SAS - Surface Air Sampler O - Other	CP - Contact Plate ST - Spore Trap Zefon, Allergenco, Burkard...	T - Tape SW - Swab B - Bulk

**REQUESTED SERVICES**  
 Culturable  
 BioCassette - Anderson, SAS, Swab  
 Water, Bulk, Duct, Soil, Contact Plat

Non-Culturable	Culturable
Spore Trap Fungi - Spore Trap Analysis Spore Trap Analysis - Other particles Direct Microscopic Exam (Qualitative) Quantitative Spore Count Direct Exam	Membrane Filtration (Please specify organism) Total Coliform, E.coli (Presence/Absence) Legumella culture Gram Stain and Counts (Culturable Air and Surface Bacteria) Culturable Air Fungi (Genus ID + Asp. spp.) 3-Media Surface Fungi (Genus ID + Asp. spp.) 2-Media Surface Fungi (Genus ID + Asp. spp.) 1-Media Surface Fungi (Genus ID + Asp. spp.) Quantitative Spore Count Direct Exam

Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7460)	Asbestos Analysis - PCM (EPA method 600/R-93-116)	PCR (please specify test)
---	---	---------------------------

RECEIVED BY	DATE & TIME
<u>Doyle Fox</u>	<u>11/2/10 8AM</u>

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## EMLab P&K

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

---

Regarding: Project: DGS-BOE; Floor 17 Supp WDA  
EML ID: 722362

Approved by:

A handwritten signature in black ink, appearing to read "Malcolm Moody". The signature is fluid and cursive, with the first and last names being the most prominent.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-04-2010

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

---

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

880 Riverside Parkway, West Sacramento, CA 95605  
 (866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Supp WDA

Date of Sampling: 11-04-2010  
 Date of Receipt: 11-04-2010  
 Date of Report: 11-04-2010

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3200366-1: Tape sample 2372-1104-F17T16: Womens SW Very Heavy	Very few	None	water stains None	Normal trapping
Lab ID-Version: 3200367-1: Tape sample 2372-1104-F17T17: Room 1723 S at CB Light	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3200368-1: Tape sample 2372-1104-F17T18: Col J19 south b CT Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3200369-1: Tape sample 2372-1104-F17T19: Col J20 south b CT Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3200370-1: Tape sample 2372-1104-F17T20: Col J19 south b CT Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3200371-1: Tape sample 2372-1104-F17T21: Room 1720 SE corner at CB Light	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae)	Moderate amounts of colorless spores typical of <i>Penicillium/Aspergillus</i> detected.	Mold growth

‡ 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".

**CHAIN OF CUSTODY**  **EMLab P&K**

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 Phoenix, AZ: 1501 West Kaudern Drive, Phoenix, AZ 85027 • (800) 651-4802  
 San Bruno, CA: 1150 Baymill Drive, #100, San Bruno, CA 94066 • (866) 888-6663



000722362

**REQUESTED SERVICES**  
 Culturable  
 BioCassette™ Andersen, SAS, Swab,  
 Water, Bulk, Dust, Soil, Contact Plate

Other requests

Asbestos Analysis - PCM (EPA method 600/R-93-116)  
 Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)  
 Membrane Filtration (Please specify organism)  
 MFM Bacteria (Please specify organism)  
 QuantTray - Sewage Screen

1-Media Surface Fungi (Genus ID + Asp. spp.)  
 2-Media Surface Fungi (Genus ID + Asp. spp.)  
 3-Media Surface Fungi (Genus ID + Asp. spp.)  
 Culturable Air Fungi (Genus ID + Asp. spp.)  
 Crustal Stain and Counts (Culturable Air and Surface Bacteria)  
 Lysogenic culture  
 Total Coliform, E.coli (Presence/Absence)

Direct Microscopic Exam (Qualitative)  
 Spore Trap Analysis - Other particles  
 Fungi - Spore Trap Analysis

Quantitative Spore Count Direct Exam

Non-Culturable

Spore Trap

Swab

Bulk

Tape

Water, Bulk, Dust, Soil, Contact Plate

Andersen, SAS, Swab

Asbestos Analysis - PCM (EPA method 600/R-93-116)

Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)

Membrane Filtration (Please specify organism)

MFM Bacteria (Please specify organism)

QuantTray - Sewage Screen

1-Media Surface Fungi (Genus ID + Asp. spp.)

2-Media Surface Fungi (Genus ID + Asp. spp.)

3-Media Surface Fungi (Genus ID + Asp. spp.)

Culturable Air Fungi (Genus ID + Asp. spp.)

Crustal Stain and Counts (Culturable Air and Surface Bacteria)

Lysogenic culture

Total Coliform, E.coli (Presence/Absence)

Direct Microscopic Exam (Qualitative)

Spore Trap Analysis - Other particles

Fungi - Spore Trap Analysis

Quantitative Spore Count Direct Exam

Non-Culturable

Spore Trap

Swab

Bulk

Tape

Water, Bulk, Dust, Soil, Contact Plate

Andersen, SAS, Swab

Asbestos Analysis - PCM (EPA method 600/R-93-116)

Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)

Membrane Filtration (Please specify organism)

MFM Bacteria (Please specify organism)

QuantTray - Sewage Screen

1-Media Surface Fungi (Genus ID + Asp. spp.)

2-Media Surface Fungi (Genus ID + Asp. spp.)

3-Media Surface Fungi (Genus ID + Asp. spp.)

Culturable Air Fungi (Genus ID + Asp. spp.)

Crustal Stain and Counts (Culturable Air and Surface Bacteria)

Lysogenic culture

Total Coliform, E.coli (Presence/Absence)

Direct Microscopic Exam (Qualitative)

Spore Trap Analysis - Other particles

Fungi - Spore Trap Analysis

Quantitative Spore Count Direct Exam

Non-Culturable

Spore Trap

Swab

Bulk

Tape

Water, Bulk, Dust, Soil, Contact Plate

Andersen, SAS, Swab

Asbestos Analysis - PCM (EPA method 600/R-93-116)

Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)

Membrane Filtration (Please specify organism)

MFM Bacteria (Please specify organism)

QuantTray - Sewage Screen

1-Media Surface Fungi (Genus ID + Asp. spp.)

2-Media Surface Fungi (Genus ID + Asp. spp.)

3-Media Surface Fungi (Genus ID + Asp. spp.)

Culturable Air Fungi (Genus ID + Asp. spp.)

WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light					
Moderate					
Heavy					

**CONTACT INFORMATION**  
 CONTACT: *La Croix Davis, LLC*  
 Address: *3685 Mt. Diablo Blvd Ste 210*  
 City: *San Ramon, CA 94583*  
 Phone: *925-299-1140*  
 Email: *email contacts*

**WORKSHEET INFORMATION**  
 Project ID: *DGS-BDE*  
 Project Desc: *Floor 17 Supp. Wdr*  
 Project: *Sampling*  
 Date & Time: *11/4/10*  
 Zip Code: *94583*  
 PO Number: *ASTRIA-572*

**STANDARD TIME SCHEDULE**  
 STD - Standard (DEFAULT)  
 ND - Next Business Day  
 SD - Same Business Day Rush  
 WH - Weekend/Holiday

**REMARKS**  
 Business received after 2pm on 11/4/10  
 All samples were received by 11/4/10  
 All samples were analyzed on 11/4/10

**NOTES**  
 Total  
 All samples were analyzed on 11/4/10

Sample ID	Location	Sample Type	Analysis	Result
2372-1104-FIT16	Warrens SW Water Steams	T	SD	
2372-1104-FIT17	Room 1723 S WCB	T	SD	
2372-1104-FIT18	Col J19 South bet	T	SD	
2372-1104-FIT19	Col J20 South bet	T	SD	
2372-1104-FIT20	Col J19 South bet	T	SD	
2372-1104-FIT21	Room 1720 SE Comm	T	SD	

REQUISITION BY	DATE & TIME
<i>oneometer</i>	<i>11/4/10 14:00</i>
<i>AS/MS</i>	<i>11/4/10 17:2</i>

REQUISITION BY	DATE & TIME
<i>Ashley McKinley</i>	<i>11/4/10 14:21</i>
<i>AS/MS</i>	<i>11/4/10 22:22</i>

REQUISITION BY	DATE & TIME
<i>Ashley McKinley</i>	<i>11/4/10 14:21</i>
<i>AS/MS</i>	<i>11/4/10 22:22</i>

REQUISITION BY	DATE & TIME
<i>Ashley McKinley</i>	<i>11/4/10 14:21</i>
<i>AS/MS</i>	<i>11/4/10 22:22</i>

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<i>Ashley McKinley</i>	<i>11/4/10 14:21</i>
<i>AS/MS</i>	<i>11/4/10 22:22</i>

REQUISITION BY	DATE & TIME
<i>Ashley McKinley</i>	<i>11/4/10 14:21</i>
<i>AS/MS</i>	<i>11/4/10 22:22</i>

REQUISITION BY	DATE & TIME
<i>Ashley McKinley</i>	<i>11/4/10 14:21</i>
<i>AS/MS</i>	<i>11/4/10 22:22</i>

BC - BioCassette™	T - Tape	D - Dust

A15 - Andersen	SW - Swab	SO - Soil

SAS - Surface Air Sampler	B - Bulk	O - Other:

ST - Spore Trap, Zefon,	D - Dust
Allergenco, Burkard...	

P - Potable Water	O - Other:

NP - Non-Potable Water	O - Other:

NP - Non-Potable Water	O - Other:

NP - Non-Potable Water	O - Other:

REQUISITION BY	DATE & TIME
<i>oneometer</i>	<i>11/4/10 14:00</i>
<i>AS/MS</i>	<i>11/4/10 17:2</i>

REQUISITION BY	DATE & TIME
<i>oneometer</i>	<i>11/4/10 14:00</i>
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REQUISITION BY	DATE & TIME
<i>oneometer</i>	<i>11/4/10 14:00</i>
<i>AS/MS</i>	<i>11/4/10 17:2</i>



**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

---

Regarding: Project: DGS-BOE; Floor 17 Supp WDA  
EML ID: 722146

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody', is written over a light blue horizontal line.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-04-2010

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

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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880 Riverside Parkway, West Sacramento, CA 95605  
 (866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Supp WDA

Date of Sampling: 11-04-2010  
 Date of Receipt: 11-04-2010  
 Date of Report: 11-04-2010

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3199280-1: Tape sample 2372-1103-F17C24: Core hall east ctr				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3199281-1: Tape sample 2372-1104-F17T15: Men's NE cavity SW wall				
Moderate	Very few	None	None	Normal trapping

‡ 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".

# CHAIN OF CUSTODY EMLab P&K

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 Phoenix, AZ 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
 San Bruno, CA 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6653



000722146

WEATHER		Fog	Rain	Snow	Wind	Clear
None						
Light						
Moderate						
Heavy						

**CONTACT INFORMATION**

Company: **LaCroix Davis, LLC**  
 Address: **3885 Mt. Diablo Blvd Ste 210**  
 CONTACT: **S. Corpuz, Tice, Astorbeck, Ambrose**  
 Phone: **925.299.1140** *email contacts*

**COLLECTION INFORMATION**

Project ID: **D.G.S-BOE**  
 Project Desc: **Floor 17 supp WDA**  
 Project: **Sampling**  
 Date & Time: **11/4/10**  
 Zip Code: **94066**  
 PO Number: **2372.02-572**

**TURNING/STORAGE CONDITIONS (TSC)**

STD - Standard (DEFAULT)  
 ND - Next Business Day  
 SD - Same Business Day Rush  
 WH - Weekend/Holiday

Sample ID	Sample Type (Below)	Temp (Approx) (as applicable)	Notes
2372.1103.F17C24 Core Hall East Ctr	T SD		
2372.1104.F17T15 men's Necessity SW Wkly	T SD		

SAMPLE TYPE POINTS	DATE & TIME
BC - Bio-Cassette A15 - Andersen SAS - Surface Air Sampler CP - Contact Plate	11/4/10 10:30 AM

**REQUESTED SERVICES**

Non-Culturable

Spore Trap Analysis - Other particles

Direct Microscopic Exam (Qualitative)

Quantitative Spore Count Direct Exam

1-Media Surface Fungi (Genus ID + App. spp.)

2-Media Surface Fungi (Genus ID + App. spp.)

3-Media Surface Fungi (Genus ID + App. spp.)

Culturable Air Fungi (Genus ID + App. spp.)

Dam Spores and Counts (Culturable Air and Surface Bacteria)

Logonella culture

Total Coliform, E. coli (Presence/Absence)

Membrane Filtration (Please specify organism)

MPN Bacteria (Please specify organism)

QuantTray - Sewage Screen

Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)

Asbestos Analysis - PLM (EPA method 600/R-93-118)

PCR (Please specify test)

Non-Culturable	Culturable
Spore Trap	
Trap	
Tap	
Swab	
Bulk	

REQUISITION BY	DATE & TIME
<i>Theodore</i>	11/4/10 10:30 AM

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at [www.emlabpk.com/terms.html](http://www.emlabpk.com/terms.html)  
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## EMLab P&K

Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 17 Janitor Rm  
EML ID: 722788

Approved by:



Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 11-05-2010 and 11-05-2010

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 corrections of results is not a standard practice. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Janitor Rm

Date of Sampling: 11-05-2010  
 Date of Receipt: 11-05-2010  
 Date of Report: 11-05-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-1105-F17A01: Exterior west		2372-1105-F17A02: Floor 17 S hall ambient		2372-1105-F17A03: Janitor room containment		2372-1105-F17A04: Exterior east	
Comments (see below)	None		None		A		None	
Lab ID-Version‡:	3201978-1		3201979-1		3201980-1		3201981-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27					2	27
Arthrinium								
Ascospores*	5	270						
Aureobasidium								
Basidiospores*	72	40,000					72	40,000
Bipolaris/Drechslera group	2	27					1	13
Chaetomium	4	53	1	13			2	27
Cladosporium	45	25,000	3	160			56	31,000
Curvularia								
Epicoccum	4	53					2	27
Fusarium								
Nigrospora							3	40
Oidium							7	93
Other brown	1	13						
Penicillium/Aspergillus types†	32	1,700	1	53			36	1,900
Pithomyces								
Rusts*							28	370
Smuts*, Periconia, Myxomycetes*	10	130	1	13			16	210
Stachybotrys								
Stemphylium								
Torula							5	67
Ulocladium								
Background debris (1-4+)††	4+		1+		3+		4+	
Hyphal fragments/m3	150		< 13		< 13		130	
Pollen/m3	93		< 13		13		270	
Skin cells (1-4+)	< 1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>67,000</b>		<b>240</b>		<b>&lt; 13</b>		<b>74,000</b>

Comments: A) No spores detected.

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.

‡ 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Janitor Rm

Date of Sampling: 11-05-2010  
 Date of Receipt: 11-05-2010  
 Date of Report: 11-05-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-1105-F17A01, Exterior west**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	27	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	27	7	13	190	19	7	13	130	12
Chaetomium	53	7	13	210	13	7	13	120	19
Cladosporium	25,000	27	570	10,000	94	53	590	7,300	97
Curvularia	-	7	20	760	19	7	13	230	7
Epicoccum	53	7	20	340	28	7	13	160	19
Nigrospora	-	7	13	210	20	7	13	190	8
Other brown	13	7	13	110	31	7	13	93	33
Penicillium/Aspergillus types	1,700	25	210	2,900	78	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	130	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	270	13	120	2,900	75	13	110	2,100	69
Basidiospores	40,000	13	390	18,000	93	13	210	8,600	92
Oidium	-	7	13	240	9	7	13	200	18
Rusts	-	7	13	320	25	7	13	250	25
Smuts, Periconia, Myxomycetes	130	7	53	760	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>67,000</b>								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Janitor Rm

Date of Sampling: 11-05-2010  
 Date of Receipt: 11-05-2010  
 Date of Report: 11-05-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-1105-F17A04, Exterior east**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	27	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	13	7	13	190	19	7	13	130	12
Chaetomium	27	7	13	210	13	7	13	120	19
Cladosporium	31,000	27	570	10,000	94	53	590	7,300	97
Curvularia	-	7	20	760	19	7	13	230	7
Epicoccum	27	7	20	340	28	7	13	160	19
Nigrospora	40	7	13	210	20	7	13	190	8
Other brown	-	7	13	110	31	7	13	93	33
Penicillium/Aspergillus types	1,900	25	210	2,900	78	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	67	7	13	130	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	-	13	120	2,900	75	13	110	2,100	69
Basidiospores	40,000	13	390	18,000	93	13	210	8,600	92
Oidium	93	7	13	240	9	7	13	200	18
Rusts	370	7	13	320	25	7	13	250	25
Smuts, Periconia, Myxomycetes	210	7	53	760	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>74,000</b>								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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## EMLab P&K

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

---

Regarding: Project: DGS-BOE; Floor 17  
EML ID: 722790

Approved by:



Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-05-2010

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

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17

Date of Sampling: 11-05-2010  
 Date of Receipt: 11-05-2010  
 Date of Report: 11-05-2010

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3201982-1: Tape sample 2372-1105-F17T22: Men water fountain at CB				
Very Heavy	Very few	None	None	Normal trapping

‡ 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".

# CHAIN OF CUSTODY EMLab P&K

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Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 \* (866) 871-1984  
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6653

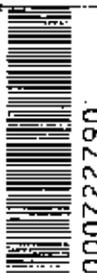
**CONTACT INFORMATION**  
 Client: LALFOIX DAVIS, LLC  
 Address: 1055 Mt. Diablo Blvd Ste 210  
Concord, CA 94504  
 Contact: Tracy A. Reinbach, A. McKinley  
 Special Instructions: mail contacts  
 Phone: 925-299-1140

**PROJECT INFORMATION**  
 Project ID: DGS-BOE  
 Project Desc: FLOOR 17  
 Project: Sampling  
 Date & Time: 11/5/10  
 Zip Code: 94512  
 PO Number: 2372-02-572

**TURN AROUND TIME (TAT)**  
 (This includes the time to collect samples, will be longer if we need to re-test. Please allow for the extra time if you need to re-test. We will analyze as soon as possible.)

Sample Type (See Note)	Volume (Liters)	Volume (Gallons)	Total Volume (Liters)	Total Volume (Gallons)
<u>ST</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
<u>D</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
<u>SW</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
<u>B</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
<u>Q</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>

**SAFETY INFORMATION**  
 ST - Spore Trap; Zefon, Allergenco, Burkard...  
 A15 - Andersen  
 SAS - Surface Air Sampler  
 CP - Contact Plate  
 T - Tape  
 SW - Swab  
 B - Bulk  
 Q - Other  
 D - Dust  
 SO - Soil



000722790

**REQUISITE SERVICES**  
 Culturable  
 Bio-Cassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate  
 Other Requests

Non-Culturable	Culturable
Spore Trap	
Spore Swab	
Bulk	
Fungi - Spore Trap Analysis	
Spore Trap Analysis - Other particles	
Direct Microscopic Exam (Qualitative)	
Quantitative Spore Count Direct Exam	
1-Media Surface Fungi (Genus ID + Sp. spp.)	
2-Media Surface Fungi (Genus ID + Sp. spp.)	
3-Media Surface Fungi (Genus ID + Sp. spp.)	
Culturable Air Fungi (Genus ID + Sp. spp.)	
Gram Stain and Counts (Culturable Air and Surface Bacteria)	
Legionella culture	
Total Coliform, E.coli (Presence/Absence)	
Membrane Filtration (Please specify organism)	
MPI Bacteria (Please specify organism)	
QuantTray - Sewage Screen	
Asbestos Analysis - PCM (NIOSH 7400)	
Asbestos Analysis - PLM (EPA method 600/R-93-116)	
PCR (Please specify test)	

**RECEIVED BY**  
Thompson  
11/5/10 1300  
**DATE & TIME**  
11/5/10 PM

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at [www.emlabpk.com/terms.html](http://www.emlabpk.com/terms.html)

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**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

---

Regarding: Project: DGS-BOE; Floor 17 Containments  
EML ID: 723140

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody'.

Lab Manager  
Malcolm Moody

Dates of Analysis:  
Spore trap analysis: 11-08-2010

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-08-2010  
 Date of Receipt: 11-08-2010  
 Date of Report: 11-08-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372.1106. F17A01: Exterior West		2372.1106. F17A02: Floor 17 N ambient		2372.1106. F17A03: Men's containment		2372.1106. F17A04: Women's containment		2372.1106. F17A05: Exterior East	
Comments (see below)	None		A		None		None		None	
Lab ID-Version‡:	3203272-1		3203273-1		3203274-1		3203275-1		3203276-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13						
Arthrinium										
Ascospores*	40	2,100							58	3,100
Aureobasidium										
Basidiospores*	55	29,000	7	370	2	110	1	53	63	34,000
Bipolaris/Drechslera group										
Botrytis										
Chaetomium										
Cladosporium	16	850	8	430	2	110	1	53	7	370
Curvularia										
Epicoccum										
Fusarium										
Nigrospora					1	13				
Other brown			1	13	1	13				
Penicillium/Aspergillus types†			19	490	3	160	2	110	3	160
Pithomyces										
Rusts*			2	27			1	13		
Smuts*, Periconia, Myxomycetes*	3	40	1	13			2	27	1	13
Stachybotrys			1	13						
Stemphylium										
Torula										
Ulocladium										
Background debris (1-4+)††	2+		4+		3+		3+		3+	
Hyphal fragments/m3	130		27		13		13		80	
Pollen/m3	27		< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>32,000</b>		<b>1,400</b>		<b>400</b>		<b>250</b>		<b>37,000</b>

**Comments:** A) 13 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. 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.

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§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Date of Sampling: 11-08-2010  
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**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372.1106.F17A01, Exterior West**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	210	13	7	13	120	19
Cladosporium	850	27	570	10,000	94	53	590	7,300	97
Curvularia	-	7	20	760	19	7	13	230	7
Nigrospora	-	7	13	210	20	7	13	190	8
Penicillium/Aspergillus types	-	25	210	2,900	78	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	130	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	2,100	13	120	2,900	75	13	110	2,100	69
Basidiospores	29,000	13	390	18,000	93	13	210	8,600	92
Rusts	-	7	13	320	25	7	13	250	25
Smuts, Periconia, Myxomycetes	40	7	53	760	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	32,000								

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 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-08-2010  
 Date of Receipt: 11-08-2010  
 Date of Report: 11-08-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372.1106.F17A05, Exterior East**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	210	13	7	13	120	19
Cladosporium	370	27	570	10,000	94	53	590	7,300	97
Curvularia	-	7	20	760	19	7	13	230	7
Nigrospora	-	7	13	210	20	7	13	190	8
Penicillium/Aspergillus types	160	25	210	2,900	78	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	130	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	3,100	13	120	2,900	75	13	110	2,100	69
Basidiospores	34,000	13	390	18,000	93	13	210	8,600	92
Rusts	-	7	13	320	25	7	13	250	25
Smuts, Periconia, Myxomycetes	13	7	53	760	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>37,000</b>								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 \* (866) 871-1984  
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6653



**CONTACT INFORMATION**  
 Company: Lacroix Davis, LLC  
 Address: 3605 Mt. Diablo Blvd Ste 210  
San Ramon, CA 94579  
 Contact: T. Coe, A. Stenbrach, M. Pappas  
 Phone: 925.299.1140

**PROJECT INFORMATION**  
 Project ID: DGS-DOE  
 Project Desc: Floor 17 Contaminants  
 Project: Sampling  
 Date & Time: 11/8/10 8  
 Zip Code: 94579  
 PO Number: 2372-02-572

Sample ID	Sample Type (See below)	TAT (hours)	Total Volume (g)	MISTE (Time of day, Temp, RH, etc)	TURN AROUND TIME (TAT)	
					STD - Standard (DEFAULT)	ND - Next Business Day
2372-1108-F17A01 Exterior West	ST SD	75	75	7:54		
2372-1108-F17A02 Floor 17 N Ambient	ST SD	75	75			
2372-1108-F17A03 Men's Containment	ST SD	75	75			
2372-1108-F17A04 Women's Containment	ST SD	75	75			
2372-1108-F17A05 Exterior East	ST SD	75	75	9:03		

**SAMPLE TYPE CODES**  
 ST - Spore Trap; Zefon, Allegenco, Burkard...  
 SW - Swab  
 P - Potable Water  
 NP - Non-Potable Water

**REQUESTED SERVICES**  
 Non-Culturable: Spore Trap, Direct Microscopic Exam, Quantitative Spore Count Direct Exam  
 Culturable: 1-Media Surface Fungi, 2-Media Surface Fungi, 3-Media Surface Fungi, Culturable Air Fungi, Gram Stain and Counts, Legionella culture, Total Coliform, E. coli, Membrane Filtration, MPN Bacteria, QuantTray - Sewage Screen

**OTHER REQUESTED**  
 Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)  
 Asbestos Analysis - PLM (EPA method 600/R-93-116)  
 PCR (Please specify test)

**WEATHER**  
 None, Light, Moderate, Heavy, Fog, Rain, Snow, Wind, Clear

**RECEIVED BY**  
 DATE & TIME  
 11/8/10 9:15  
 [Signature]



## EMLab P&K

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

---

Regarding: Project: DGS-BOE; Floor 17 Supp WDA  
EML ID: 723482

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody', is written over a light blue horizontal line.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-09-2010 and 11-09-2010

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

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Supp WDA

Date of Sampling: 11-08-2010  
 Date of Receipt: 11-09-2010  
 Date of Report: 11-09-2010

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3204776-1: Bulk sample 2372-1108-F17 B23: Stain FP M17				
Miscellaneous debris	Very few	None	None	Normal trapping
Lab ID-Version: 3204778-1: Tape sample 2372-1108-F17 T24: Stain GB ac K17				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3204779-1: Tape sample 2372-1108-F17 T25: Stain GB ac J19				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3204780-1: Tape sample 2372-1108-F17 T26: Stain GB ac J20				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3204777-1: Bulk sample 2372-1108-F17 B27: Stain FP J21 No 5'B				
Miscellaneous debris	Very few	None	None	Normal trapping
Lab ID-Version: 3204781-1: Tape sample 2372-1108-F17 T28: Stain GB ac J21				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3204782-1: Tape sample 2372-1108-F17 T29: Stain GB ac J22				
Moderate	Very few	None	None	Normal trapping

‡ 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".



000723482

# CHAIN OF CUSTODY EMLab P&K

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 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6653

## REQUESTED SERVICES

Non-Culturable

Spore Trap  
 Spore Trap Analysis - Other particles  
 Direct Microscopic Exam (Qualitative)  
 Quantitative Spore Count Direct Exam

Culturable

1-Media Surface Fungi (Genus ID + Asp. spp.)  
 2-Media Surface Fungi (Genus ID + Asp. spp.)  
 3-Media Surface Fungi (Genus ID + Asp. spp.)  
 Culturable Air Fungi (Genus ID + Asp. spp.)  
 Gram Stain and Counts (Culturable Air and Surface Bacteria)  
 Lyophilic Culture  
 Total Coliform, E.coli (Presence/Absence)  
 Membrane Filtration (Please specify organism)  
 MPN Bacteria (Please specify organism)  
 QuantTray - Sewage Screen  
 Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)  
 Asbestos Analysis - PLM (EPA method 600/R-93-116)  
 PCR (Please specify test)

Other Requests

BioCassette - Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate

WEATHER		Fog	Rain	Snow	Wind	Clear
None						
Light						
Moderate						
Heavy						

**CONTACT INFORMATION**

Company: K. Gray Davis, LLC  
 Address: 2185 Mt Diablo Blvd Ste 210 Lafayette, CA  
 Contact: Colpoz, T. Co, A. Seimbach, A. N. K. R. B. J.  
 Phone: 925-299-1140  
 Email: omail contacts

**PROJECT INFORMATION**

Project ID: 065-BOE  
 Project Desc: Floor 17 Supp Wk  
 Project: Sampling  
 Zip Code: 94010  
 PO Number: 237A-02-572

Sample ID	Sample Type	Sample Location	Time	Notes
237A-108-F17D20	ST	Stain FP M17	SD	
237A-108-F17T24	T	Stain GBac K17	SD	
237A-108-F17T25	T	Stain GBac J19	SD	
237A-108-F17T26	T	Stain GBac J20	SD	
237A-108-F17D27	P	Stain FP JAIN5	SD	
237A-108-F17T28	T	Stain GBac J21	SD	
237A-108-F17T29	T	Stain GBac J22	SD	

BC - BioCassette	ST - Spore Trap: Zefon, Allergenco, Burkard ...	T - Tape	D - Dust
		SW - Swab	SO - Soil
A15 - Andersen	P - Porable Water	B - Bulk	
SAS - Surface Air Sampler	NP - Non-Porable Water	O - Other:	
CP - Contact Plate			

RECEIVED BY	DATE/TIME
<u>Monster</u>	<u>11/8/10 1800</u>
<u>Bob Cox</u>	<u>11/10/10 8AM</u>

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**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

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Regarding: Project: DGS-BOE; Floor 17 Containments  
EML ID: 724636

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody'.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 11-11-2010 and 11-11-2010

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-11-2010  
 Date of Receipt: 11-11-2010  
 Date of Report: 11-12-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372.1111.F17A01: Exterior NE		2372.1111.F17A02: Floor 17 SEL ambient		2372.1111.F17A03: Room 1704 containments		2372.1111.F17A04: Exterior SW	
Comments (see below)	None		None		None		A	
Lab ID-Version‡:	3209632-1		3209633-1		3209634-1		3209635-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13					1	13
Arthrinium								
Ascospores*	32	1,700					32	1,700
Basidiospores*	84	45,000	2	110			52	28,000
Bipolaris/Drechslera group								
Botrytis	1	13						
Chaetomium								
Cladosporium	29	1,500			1	53	79	3,300
Curvularia								
Epicoccum	1	13					3	40
Myrothecium								
Nigrospora	1	13						
Penicillium/Aspergillus types†	5	270					8	430
Pithomyces								
Rusts*							5	67
Smuts*, Periconia, Myxomycetes*	2	27					4	53
Stachybotrys								
Stemphylium							1	13
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		3+		3+		1+	
Hyphal fragments/m3	< 13		13		< 13		120	
Pollen/m3	< 13		< 13		< 13		13	
Skin cells (1-4+)	< 1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>48,000</b>		<b>110</b>		<b>53</b>		<b>33,000</b>

Comments: A) 24 of the raw count *Cladosporium* spores were present as a single clump.

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.

‡ 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-11-2010  
 Date of Receipt: 11-11-2010  
 Date of Report: 11-12-2010

**MoldRANGE™: Extended Outdoor Comparison**  
**Outdoor Location: 2372.1111.F17A01, Exterior NE**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	13	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	230	12	7	13	120	19
Cladosporium	1,500	27	560	11,000	94	53	590	7,700	97
Curvularia	-	7	22	760	19	7	13	230	7
Epicoccum	13	7	20	350	28	7	13	170	19
Nigrospora	13	7	13	210	21	7	13	200	9
Penicillium/Aspergillus types	270	20	210	3,000	77	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Stemphylium	-	7	13	80	4	7	13	67	8
Torula	-	7	13	150	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	1,700	13	120	3,000	76	13	110	2,200	70
Basidiospores	45,000	13	420	20,000	93	13	210	9,000	92
Botrytis	13	7	22	370	8	7	13	200	15
Rusts	-	7	13	330	25	7	13	260	25
Smuts, Periconia, Myxomycetes	27	7	53	730	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>48,000</b>								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-11-2010  
 Date of Receipt: 11-11-2010  
 Date of Report: 11-12-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372.1111.F17A04, Exterior SW**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	13	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	230	12	7	13	120	19
Cladosporium	3,300	27	560	11,000	94	53	590	7,700	97
Curvularia	-	7	22	760	19	7	13	230	7
Epicoccum	40	7	20	350	28	7	13	170	19
Nigrospora	-	7	13	210	21	7	13	200	9
Penicillium/Aspergillus types	430	20	210	3,000	77	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Stemphylium	13	7	13	80	4	7	13	67	8
Torula	-	7	13	150	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	1,700	13	120	3,000	76	13	110	2,200	70
Basidiospores	28,000	13	420	20,000	93	13	210	9,000	92
Botrytis	-	7	22	370	8	7	13	200	15
Rusts	67	7	13	330	25	7	13	260	25
Smuts, Periconia, Myxomycetes	53	7	53	730	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>33,000</b>								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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# CHAIN OF CUSTODY

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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 • (800) 651-4802  
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6653

WEATHER						
None	Fog	Rain	Snow	Wind	Clear	
Light						
Mod/Heavy						
Heavy						

000724636

## REQUESTED SERVICE

Non-Culturable  
 Spore Trap  
 Bio-Casette™ Andersen  
 Wacer, Bulk, Dust, Soil, Contact Plate

**CONTACT INFORMATION**  
 Company: LACROUX DAVIS, LLC  
 Address: 1085 My. Diablo Blvd, Ste 210  
 City/State: San Jose, CA 95129  
 Phone: 925-299-1140

**PROJECT INFORMATION**  
 Project ID: DGS-BDE  
 Project Desc: Floor IT Contaminants  
 Project: Sampling  
 Date & Time: 11/11/10 9:00  
 PO Number: R37R-02-57Z

**STANDARD AROUND-THE-CLOCK (STATS)**  
 STD - Standard (DEFAULT)  
 ND - Next Business Day  
 SD - Same Business Day Rush  
 WH - Weekend/Holiday

Sample ID	Description	Sample Type (Taps)	Notes
27R-III-ETAP1	Exterior NE	ST ND 75	
27R-III-ETAP2	Floor IT SEL Ambient	ST ND 75	
27R-III-ETAP3	Room IT 4 Contaminant	ST ND 75	
27R-III-ETAP4	Exterior SW	ST ND 75	

SAMPLE TYPE CODES		DATE/TIME	
BC - Bio-Casette	ST - Spore Trap; Zefon, Allergenco, Burkard...	11/11/10	10:30
ATIS - Andersen	T - Taps; D - Dust		
SAS - Surface Air Sampler	SW - Swab; SO - Soil		
CP - Contact Plate	P - Potable Water; NP - Non-Potable Water		

Test Method	Result
Spore Trap Analysis - Other particles	
Direct Microscopic Exam (Qualitative)	
Quantitative Spore Count Direct Exam	
1-Media Surface Fungi (Genus ID + Sp. spp.)	
2-Media Surface Fungi (Genus ID + Sp. spp.)	
3-Media Surface Fungi (Genus ID + Sp. spp.)	
Culturable Air Fungi (Genus ID + Sp. spp.)	
Cream Stain and Counts (Culturable Air and Surface Bacteria)	
Legionella culture	
Total Coliform, E.coli (Presence/Absence)	
Membrane Filtration (Please specify organism)	
MPN Bacteria (Please specify organism)	
Quarantary - Sewage Screen	
Asbestos Analytes - PCM Airborne Fiber Count (NIOSH 7400)	
Asbestos Analytes - PLM (EPA method 600/R-93-116)	
PCR (Please specify test)	

RECEIVED BY	DATE/TIME
[Signature]	11/11/10 10:30

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**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

---

Regarding: Project: DGS-BOE; Floor 17 South Containment  
EML ID: 726583

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody'.

Lab Manager  
Malcolm Moody

Dates of Analysis:  
Spore trap analysis: 11-17-2010

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 South Containment

Date of Sampling: 11-17-2010  
 Date of Receipt: 11-17-2010  
 Date of Report: 11-17-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-1117-F17A01: Exterior West	2372-1117-F17A02: Floor 17 South Ambient	2372-1117-F17A03: South containment Grid 2	2372-1117-F17A04: South containment Grid 7	
Comments (see below)	None	None	None	A	
Lab ID-Version‡:	3217431-1	3217432-1	3217433-1	3217434-1	
	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	
Alternaria		1 13			
Arthrinium					
Ascospores*	40 2,100				
Aureobasidium					
Basidiospores*	186 9,900	1 53	1 53		
Bipolaris/Drechslera group					
Botrytis					
Chaetomium					
Cladosporium	17 910	1 53			
Curvularia					
Epicoccum					
Fusarium					
Nigrospora	1 13				
Oidium	1 13				
Other brown	2 27		1 13		
Penicillium/Aspergillus types†	15 800	4 210			
Pithomyces					
Rusts*	3 40	1 13			
Smuts*, Periconia, Myxomycetes*	1 13	2 27			
Stachybotrys					
Stemphylium					
Torula					
Background debris (1-4+)††	4+	2+	< 1+	< 1+	
Hyphal fragments/m3	67	< 13	< 13	< 13	
Pollen/m3	110	< 13	< 13	< 13	
Skin cells (1-4+)	< 1+	1+	< 1+	< 1+	
Sample volume (liters)	75	75	75	75	
<b>§ TOTAL SPORES/m3</b>		14,000	370	67	< 13

Comments: A) No spores detected.

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.

‡ 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 South Containmentment

Date of Sampling: 11-17-2010  
 Date of Receipt: 11-17-2010  
 Date of Report: 11-17-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-1117-F17A05: South containment Grid 13	2372-1117-F17A06: South containment Grid 19	2372-1117-F17A07: South containment Grid 26	2372-1117-F17A08: South containment Grid 20
Comments (see below)	A	A	A	A
Lab ID-Version‡:	3217435-1	3217436-1	3217437-1	3217438-1
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*				
Aureobasidium				
Basidiospores*				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types†				
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*				
Stachybotrys				
Stemphylium				
Torula				
Background debris (1-4+)††	< 1+	< 1+	< 1+	< 1+
Hyphal fragments/m3	< 13	< 13	< 13	< 13
Pollen/m3	< 13	< 13	< 13	< 13
Skin cells (1-4+)	< 1+	< 1+	< 1+	< 1+
Sample volume (liters)	75	75	75	75
<b>§ TOTAL SPORES/m3</b>		< 13	< 13	< 13

Comments: A) No spores detected.

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.

‡ 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea  
 Steinbach  
 Re: DGS-BOE; Floor 17 South Containment

Date of Sampling: 11-17-2010  
 Date of Receipt: 11-17-2010  
 Date of Report: 11-17-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-1117-F17A09: South containment Grid 28	2372-1117-F17A10: South containment Grid 24	2372-1117-F17A11: South containment Grid 18	2372-1117-F17A12 Exterior East				
Comments (see below)	A	A	A	B				
Lab ID-Version‡:	3217439-1	3217440-1	3217441-1	3217442-1				
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*							26	1,400
Aureobasidium								
Basidiospores*							203	11,000
Bipolaris/Drechslera group								
Botrytis							1	13
Chaetomium								
Cladosporium							45	2,000
Curvularia								
Epicoccum							2	27
Fusarium								
Nigrospora								
Oidium							1	13
Other brown							1	13
Penicillium/Aspergillus types†							23	1,200
Pithomyces								
Rusts*							1	13
Smuts*, Periconia, Myxomycetes*							7	93
Stachybotrys								
Stemphylium								
Torula								
Background debris (1-4+)††	1+	< 1+		1+			3+	
Hyphal fragments/m3	< 13	13		< 13			53	
Pollen/m3	< 13	< 13		< 13			27	
Skin cells (1-4+)	< 1+	< 1+		< 1+			< 1+	
Sample volume (liters)	75	75		75			75	
<b>§ TOTAL SPORES/m3</b>		< 13		< 13		< 13		16.000

**Comments:** A) No spores detected. B) 9 of the raw count *Cladosporium* spores were present as a single clump.

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.

‡ 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea  
 Steinbach  
 Re: DGS-BOE; Floor 17 South Containmentment

Date of Sampling: 11-17-2010  
 Date of Receipt: 11-17-2010  
 Date of Report: 11-17-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-1117-F17A01, Exterior West**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	230	12	7	13	120	19
Cladosporium	910	27	560	11,000	94	53	590	7,700	97
Curvularia	-	7	22	760	19	7	13	230	7
Epicoccum	-	7	20	350	28	7	13	170	19
Nigrospora	13	7	13	210	21	7	13	200	9
Other brown	27	7	13	110	30	7	13	93	33
Penicillium/Aspergillus types	800	20	210	3,000	77	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	150	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	2,100	13	120	3,000	76	13	110	2,200	70
Basidiospores	9,900	13	420	20,000	93	13	210	9,000	92
Botrytis	-	7	22	370	8	7	13	200	15
Oidium	13	7	13	240	9	7	13	200	18
Rusts	40	7	13	330	25	7	13	260	25
Smuts, Periconia, Myxomycetes	13	7	53	730	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>14,000</b>								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea  
 Steinbach  
 Re: DGS-BOE; Floor 17 South Containmentment

Date of Sampling: 11-17-2010  
 Date of Receipt: 11-17-2010  
 Date of Report: 11-17-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-1117-F17A12, Exterior East**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	230	12	7	13	120	19
Cladosporium	2,000	27	560	11,000	94	53	590	7,700	97
Curvularia	-	7	22	760	19	7	13	230	7
Epicoccum	27	7	20	350	28	7	13	170	19
Nigrospora	-	7	13	210	21	7	13	200	9
Other brown	13	7	13	110	30	7	13	93	33
Penicillium/Aspergillus types	1,200	20	210	3,000	77	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	150	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	1,400	13	120	3,000	76	13	110	2,200	70
Basidiospores	11,000	13	420	20,000	93	13	210	9,000	92
Botrytis	13	7	22	370	8	7	13	200	15
Oidium	13	7	13	240	9	7	13	200	18
Rusts	13	7	13	330	25	7	13	260	25
Smuts, Periconia, Myxomycetes	93	7	53	730	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>16,000</b>								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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





**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

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Regarding: Project: DGS-BOE; Floor 17 Containments  
EML ID: 726959

Approved by:



Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 11-18-2010 and 11-18-2010

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-18-2010  
 Date of Receipt: 11-18-2010  
 Date of Report: 11-18-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-1118-F17A01: Exterior West		2372-1118-F17A02: Floor 17 Cone Hall N ambient		2372-1118-F17A03: Room 1720 containments		2372-1118-F17A04: Exterior East	
Comments (see below)	A		A		A		B	
Lab ID-Version‡:	3219116-1		3219117-1		3219118-1		3219119-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria							1	13
Arthrinium								
Ascospores*	23	1,200					12	640
Basidiospores*	70	3,700			1	53	51	2,700
Bipolaris/Drechslera group								
Botrytis							2	27
Chaetomium								
Cladosporium	23	1,200					70	2,300
Curvularia								
Epicoccum	1	13						
Myrothecium								
Nigrospora	1	13					1	13
Penicillium/Aspergillus types†	1	53	1	53	1	53	26	710
Pithomyces								
Rusts*	2	27						
Smuts*, Periconia, Myxomycetes*	3	40						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		2+		2+	
Hyphal fragments/m3	< 13		13		< 13		110	
Pollen/m3	13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		2+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>6,300</b>		<b>53</b>		<b>110</b>		<b>6,400</b>

**Comments:** A) Analysis of replicate sample is delayed. B) 36 of the raw count *Cladosporium* spores were present as a single clump. 17 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. Analysis of replicate sample is delayed.

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.

‡ 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-18-2010  
 Date of Receipt: 11-18-2010  
 Date of Report: 11-18-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-1118-F17A01, Exterior West**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	230	12	7	13	120	19
Cladosporium	1,200	27	560	11,000	94	53	590	7,700	97
Curvularia	-	7	22	760	19	7	13	230	7
Epicoccum	13	7	20	350	28	7	13	170	19
Nigrospora	13	7	13	210	21	7	13	200	9
Penicillium/Aspergillus types	53	20	210	3,000	77	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	150	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	1,200	13	120	3,000	76	13	110	2,200	70
Basidiospores	3,700	13	420	20,000	93	13	210	9,000	92
Botrytis	-	7	22	370	8	7	13	200	15
Rusts	27	7	13	330	25	7	13	260	25
Smuts, Periconia, Myxomycetes	40	7	53	730	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	6,300								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-18-2010  
 Date of Receipt: 11-18-2010  
 Date of Report: 11-18-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-1118-F17A04, Exterior East**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	13	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	230	12	7	13	120	19
Cladosporium	2,300	27	560	11,000	94	53	590	7,700	97
Curvularia	-	7	22	760	19	7	13	230	7
Epicoccum	-	7	20	350	28	7	13	170	19
Nigrospora	13	7	13	210	21	7	13	200	9
Penicillium/Aspergillus types	710	20	210	3,000	77	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	150	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	640	13	120	3,000	76	13	110	2,200	70
Basidiospores	2,700	13	420	20,000	93	13	210	9,000	92
Botrytis	27	7	22	370	8	7	13	200	15
Rusts	-	7	13	330	25	7	13	260	25
Smuts, Periconia, Myxomycetes	-	7	53	730	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	6,400								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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# CHAIN OF CUSTODY EMLab P&K

www.EMLabPK.com

Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 \* (866) 871-1984  
 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6653

**CONTRACT INFORMATION**  
 Company: Lacroix Davis, LLC  
 Address: 3685 Mt. Diablo Blvd., Ste 210  
 Special Instructions: Lafayette, CA 94549  
 Contact: C. Corpuz; T. Ke. A. Steimbach; A. McKeeney  
 Phone: 925.299.1140  
 email contacts

**PROJECT INFORMATION**  
 Project ID: DGS - BOE  
 Project Desc: Floor 17 Containments  
 Project: Sampling  
 Date & Time: 11/18/10  
 Zip Code:   
 PO Number: 3372-02-572

**TURN AROUND TIME (TAT) CODES (TAT)**  
 STD - Standard (DEFAULT)  
 ND - Next Business Day  
 SD - Same Business Day Rush  
 WH - Weekend/Holiday

**NGRES**  
 \* This request is for a weekend analysis. Please allow for an additional 2-3 business days.  
 \* This request is for a weekend analysis. Please allow for an additional 2-3 business days.  
 \* This request is for a weekend analysis. Please allow for an additional 2-3 business days.

Sample ID	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NGRES
2372-118-AT1A01	EXTERIOR WEST	ST SD	75	10:08
2372-118-AT1A02	Floor 17 Core Hall N	ST SD	75	10:19
2372-118-AT1A03	Room 1720 Containments	ST SD	75	10:27
2372-118-AT1A04	EXTERIOR EAST	ST SD	75	10:44

**WEATHER**

Temp	Rain	Snow	Wind	Clear
None				
Light				X
Moderate				
Heavy				

**REQUESTED SERVICES**

Non-Culturable	Cult
Spore Trap	
Tap	
Swab	
Risk	

BioCassette™ And  
 Water, Bulk, Dust, Soil, Contact Phase

000726959

Method	Media	Analysis
Fungal - Spore Trap Analysis	1-Media Surface Fungi (Genus ID + Sp. spp.)	Abasbestos Analysis - PCM (EPA method 600/R-93-116)
Spore Trap Analysis - Other particles	2-Media Surface Fungi (Genus ID + Sp. spp.)	Abasbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
Direct Microscopic Exam (Qualitative)	3-Media Surface Fungi (Genus ID + Sp. spp.)	QuantTray - Sewage Screen
Quantitative Spore Count Direct Exam	Membrane Filtration (Please specify organism)	MFP Bacteria (Please specify organism)
	Culturable Air Fungi (Genus ID + Sp. spp.)	Total Coliform, E.coli (Presence/Absence)
	Gram Stain and Counts (Culturable Air and Surface Factors)	Legionella culture
		PCR (Please specify test)

**SAMPLE TIME CODES**

ST - Spore Trap; Zefon, Allergenco, Burkard...	T - Tape	D - Dust
P - Potable Water	SW - Swab	SD - Soil
NP - Non-Potable Water	B - Bulk	
	O - Other	

**REQUIRED BY** Sharon Lee **DATE/TIME** 11/18/10 11:15am

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at [www.emlabpk.com/terms.html](http://www.emlabpk.com/terms.html)  
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 Doc. # 200176 Rev. 24 Revised 6/25/09 Page 1 of 1, QAD



**EMLab P&K**

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**  
**LaCroix Davis, LLC**  
3685 Mt. Diablo Blvd.  
Suite 210  
Lafayette, CA 94549

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Regarding: Project: DGS-BOE; Floor 17 Containments  
EML ID: 727834

Approved by:

A handwritten signature in black ink, appearing to read 'Malcolm Moody', is written over a light blue horizontal line.

Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 11-22-2010

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-22-2010  
 Date of Receipt: 11-22-2010  
 Date of Report: 11-22-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-1122-F17A01: Exterior west	2372-1122-F17A02: Floor 17 ambient N hall	2372-1122-F17A03: NE containment west	2372-1122-F17A04: NE containment center
Comments (see below)	None	None	None	A
Lab ID-Version‡:	3222755-1	3222756-1	3222757-1	3222758-1
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*	10	530		
Basidiospores*	58	3,100	1	53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	1	53	2	110
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Penicillium/Aspergillus types†	3	160		
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	3+		2+	
Hyphal fragments/m3	27		13	
Pollen/m3	13		< 13	
Skin cells (1-4+)	< 1+		1+	
Sample volume (liters)	75		75	
<b>§ TOTAL SPORES/m3</b>		<b>3,800</b>		<b>160</b>
				<b>53</b>
				<b>&lt; 13</b>

Comments: A) No spores detected.

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.

‡ 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-22-2010  
 Date of Receipt: 11-22-2010  
 Date of Report: 11-22-2010

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-1122-F17A05: NE containment east		2372-1122-F17A06: Exterior east	
Comments (see below)	A		B	
Lab ID-Version‡:	3222759-1		3222760-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*			2	110
Aureobasidium				
Basidiospores*			35	1,900
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			36	1,000
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Penicillium/Aspergillus types†				
Pithomyces				
Rusts*			1	13
Smuts*, Periconia, Myxomycetes*				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	1+		1+	
Hyphal fragments/m3	< 13		< 13	
Pollen/m3	< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+	
Sample volume (liters)	75		75	
<b>§ TOTAL SPORES/m3</b>		<b>&lt; 13</b>		<b>3,000</b>

**Comments:** A) No spores detected. B) 22 of the raw count *Cladosporium* spores were present as a single clump.

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.

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The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" 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: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-22-2010  
 Date of Receipt: 11-22-2010  
 Date of Report: 11-22-2010

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-1122-F17A01, Exterior west**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	230	12	7	13	120	19
Cladosporium	53	27	560	11,000	94	53	590	7,700	97
Curvularia	-	7	22	760	19	7	13	230	7
Nigrospora	-	7	13	210	21	7	13	200	9
Penicillium/Aspergillus types	160	20	210	3,000	77	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	150	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	530	13	120	3,000	76	13	110	2,200	70
Basidiospores	3,100	13	420	20,000	93	13	210	9,000	92
Rusts	-	7	13	330	25	7	13	260	25
Smuts, Periconia, Myxomycetes	-	7	53	730	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>3,800</b>								

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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

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

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley  
 McKinley, Ms. Andrea Steinbach  
 Re: DGS-BOE; Floor 17 Containments

Date of Sampling: 11-22-2010  
 Date of Receipt: 11-22-2010  
 Date of Report: 11-22-2010

**MoldRANGE™: Extended Outdoor Comparison**

**Outdoor Location: 2372-1122-F17A06, Exterior east**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: November				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	27	280	50	7	27	230	53
Bipolaris/Drechslera group	-	7	13	190	19	7	13	130	12
Chaetomium	-	7	13	230	12	7	13	120	19
Cladosporium	1,000	27	560	11,000	94	53	590	7,700	97
Curvularia	-	7	22	760	19	7	13	230	7
Nigrospora	-	7	13	210	21	7	13	200	9
Penicillium/Aspergillus types	-	20	210	3,000	77	33	210	2,400	84
Stachybotrys	-	7	13	280	4	7	13	230	4
Torula	-	7	13	150	10	7	13	160	11
<b>Seldom found growing indoors**</b>									
Ascospores	110	13	120	3,000	76	13	110	2,200	70
Basidiospores	1,900	13	420	20,000	93	13	210	9,000	92
Rusts	13	7	13	330	25	7	13	260	25
Smuts, Periconia, Myxomycetes	-	7	53	730	73	7	40	530	67
<b>§ TOTAL SPORES/m3</b>	<b>3,000</b>								

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

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